

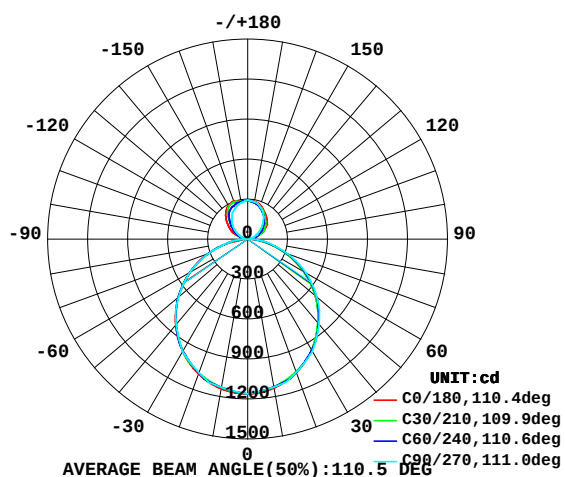
## LUMINAIRE PHOTOMETRIC TEST REPORT

|                                                                   |                  |                   |
|-------------------------------------------------------------------|------------------|-------------------|
| Test:U:120.3V I:0.3402A P:40.78W PF:0.9967 Lamp Flux:3989.84x1 lm |                  |                   |
| NAME: EB1                                                         | TYPE:            | WEIGHT:           |
| SPEC.:                                                            | DIM.: 1280*33*55 | SERIAL No.:       |
| MFR.: Utopia Lighting                                             | SUR.:1280*33     | PROTECTION ANGLE: |

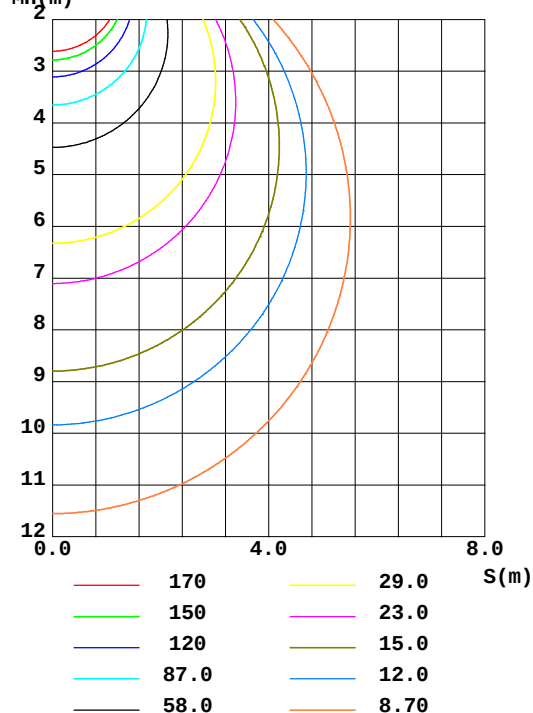
EB1

| DATA OF LAMP     |         | PHOTOMETRIC DATA Eff: 97.84 lm/W |         |                    |            |
|------------------|---------|----------------------------------|---------|--------------------|------------|
| MODEL            |         | I <sub>max</sub> (cd)            | 1162    | S/MH(C0/180)       | 1.25       |
| NOMINAL POWER(W) | 40      | LOR(%)                           | 100.0   | S/MH(C90/270)      | 1.24       |
| RATED VOLTAGE(V) | 100-277 | TOTAL FLUX(lm)                   | 3989.8  | η UP, DN(C0-180)   | 10.5, 38.6 |
| NOMINAL FLUX(lm) | 3989.84 | CIE CLASS                        | SEMI-D. | η UP, DN(C180-360) | 10.2, 40.7 |
| LAMPS INSIDE     | 1       | η up(%)                          | 20.7    | CIBSE SHR NOM      | 1.25       |
| TEST VOLTAGE(V)  | 120     | η down(%)                        | 79.3    | CIBSE SHR MAX      | 1.35       |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



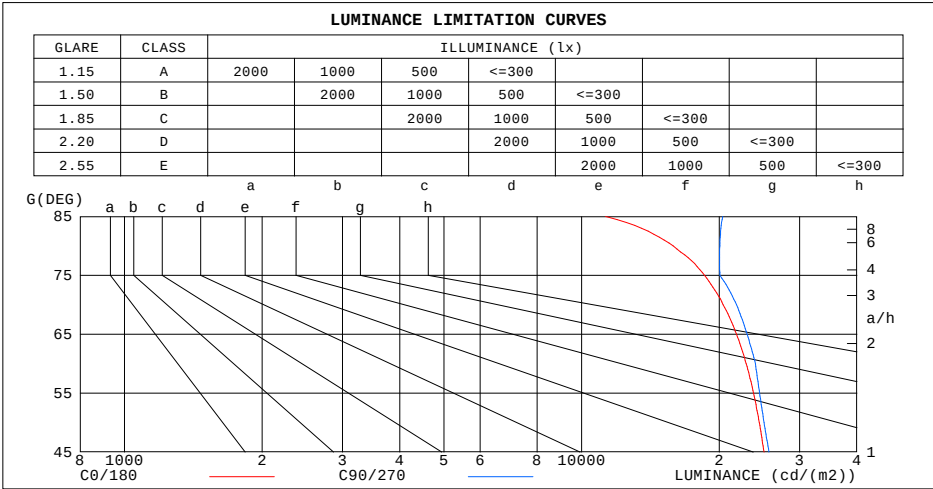
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2024-01-09

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System: EVERFINE G0-2000B\_V1 SYSTEM V2.0.291  
Humidity: 65.0%  
Test Distance: 8.190m [K=1.0000]  
Remarks:

ZONAL FLUX DIAGRAM  
AND LUMINANCE LIMITATION CURVES

ZONAL FLUX DIAGRAM:

| γ   | C0                    | C45   | C90   | C135  | C180  | C225   | C270   | C315  | γ       | φ zone   | φ total | %lum, lamp |
|-----|-----------------------|-------|-------|-------|-------|--------|--------|-------|---------|----------|---------|------------|
| 5   | 1155                  | 1146  | 1145  | 1148  | 1157  | 1148   | 1146   | 1147  | 0- 5    | 27.57    | 27.57   | 0.69,0.69  |
| 10  | 1136                  | 1125  | 1128  | 1129  | 1142  | 1130   | 1130   | 1126  | 5- 10   | 81.45    | 109.0   | 2.73,2.73  |
| 15  | 1107                  | 1099  | 1111  | 1104  | 1115  | 1106   | 1114   | 1101  | 10- 15  | 132.6    | 241.6   | 6.05,6.05  |
| 20  | 1067                  | 1068  | 1065  | 1075  | 1078  | 1077   | 1068   | 1072  | 15- 20  | 179.1    | 420.7   | 10.5,10.5  |
| 25  | 1018                  | 1015  | 1018  | 1022  | 1031  | 1025   | 1021   | 1019  | 20- 25  | 218.7    | 639.4   | 16,16      |
| 30  | 960.6                 | 955.8 | 971.9 | 954.8 | 975.4 | 966.8  | 975.1  | 959.4 | 25- 30  | 250.9    | 890.4   | 22.3,22.3  |
| 35  | 894.9                 | 894.0 | 902.4 | 880.3 | 912.0 | 906.2  | 905.0  | 897.8 | 30- 35  | 274.6    | 1165    | 29.2,29.2  |
| 40  | 822.5                 | 828.0 | 832.9 | 796.8 | 841.7 | 841.2  | 835.0  | 831.9 | 35- 40  | 287.4    | 1452    | 36.4,36.4  |
| 45  | 744.6                 | 746.4 | 763.4 | 641.8 | 764.8 | 758.7  | 764.9  | 749.6 | 40- 45  | 289.0    | 1741    | 43.6,43.6  |
| 50  | 660.9                 | 664.3 | 677.0 | 513.6 | 682.5 | 676.0  | 677.0  | 666.9 | 45- 50  | 280.6    | 2022    | 50.7,50.7  |
| 55  | 572.9                 | 582.6 | 590.6 | 418.0 | 595.3 | 593.3  | 589.0  | 584.7 | 50- 55  | 262.0    | 2284    | 57.2,57.2  |
| 60  | 481.4                 | 486.1 | 504.1 | 335.3 | 504.3 | 497.7  | 501.1  | 488.3 | 55- 60  | 236.0    | 2520    | 63.2,63.2  |
| 65  | 387.4                 | 392.0 | 408.8 | 260.4 | 410.9 | 404.1  | 403.8  | 394.3 | 60- 65  | 203.9    | 2724    | 68.3,68.3  |
| 70  | 293.0                 | 299.4 | 313.5 | 193.6 | 315.9 | 309.2  | 306.5  | 301.0 | 65- 70  | 166.4    | 2890    | 72.4,72.4  |
| 75  | 202.0                 | 207.6 | 218.1 | 132.8 | 214.1 | 212.2  | 209.1  | 208.1 | 70- 75  | 125.3    | 3015    | 75.6,75.6  |
| 80  | 115.7                 | 122.6 | 146.4 | 77.54 | 69.45 | 122.0  | 139.7  | 122.2 | 75- 80  | 84.18    | 3100    | 77.7,77.7  |
| 85  | 41.30                 | 62.62 | 74.56 | 38.86 | 21.32 | 60.93  | 70.26  | 61.47 | 80- 85  | 47.83    | 3147    | 78.9,78.9  |
| 90  | 2.796                 | 3.730 | 2.766 | 1.607 | 2.023 | 0.9805 | 0.8310 | 1.732 | 85- 90  | 15.64    | 3163    | 79.3,79.3  |
| 95  | 3.415                 | 19.53 | 12.03 | 16.72 | 1.909 | 12.65  | 11.72  | 17.96 | 90- 95  | 3.887    | 3167    | 79.4,79.4  |
| 100 | 18.19                 | 36.05 | 21.29 | 32.62 | 12.16 | 25.22  | 22.61  | 35.00 | 95-100  | 10.64    | 3178    | 79.6,79.6  |
| 105 | 40.94                 | 64.34 | 30.55 | 61.52 | 47.48 | 46.19  | 33.49  | 64.26 | 100-105 | 20.35    | 3198    | 80.2,80.2  |
| 110 | 75.17                 | 92.67 | 49.90 | 91.68 | 89.25 | 68.31  | 53.56  | 93.67 | 105-110 | 32.56    | 3231    | 81,81      |
| 115 | 125.0                 | 114.0 | 69.26 | 118.1 | 129.4 | 90.03  | 73.62  | 115.8 | 110-115 | 45.31    | 3276    | 82.1,82.1  |
| 120 | 149.6                 | 131.9 | 88.61 | 142.6 | 151.8 | 113.4  | 93.68  | 134.4 | 115-120 | 54.76    | 3331    | 83.5,83.5  |
| 125 | 172.0                 | 150.5 | 112.9 | 166.9 | 178.2 | 138.1  | 117.7  | 153.6 | 120-125 | 62.49    | 3393    | 85,85      |
| 130 | 189.3                 | 166.6 | 137.2 | 194.4 | 207.1 | 164.5  | 141.8  | 171.4 | 125-130 | 68.98    | 3462    | 86.8,86.8  |
| 135 | 205.1                 | 183.4 | 161.5 | 222.5 | 233.5 | 196.8  | 165.8  | 189.5 | 130-135 | 73.62    | 3536    | 88.6,88.6  |
| 140 | 219.0                 | 201.8 | 185.5 | 246.3 | 256.7 | 243.2  | 186.9  | 208.7 | 135-140 | 75.94    | 3612    | 90.5,90.5  |
| 145 | 231.7                 | 217.5 | 209.6 | 262.9 | 276.9 | 258.9  | 208.0  | 223.4 | 140-145 | 75.66    | 3687    | 92.4,92.4  |
| 150 | 246.1                 | 233.0 | 233.6 | 278.5 | 289.6 | 271.7  | 229.2  | 237.8 | 145-150 | 72.17    | 3759    | 94.2,94.2  |
| 155 | 261.8                 | 249.0 | 249.3 | 293.7 | 298.7 | 286.4  | 242.9  | 251.0 | 150-155 | 65.69    | 3825    | 95.9,95.9  |
| 160 | 274.8                 | 262.9 | 265.1 | 304.1 | 305.7 | 296.6  | 256.7  | 265.1 | 155-160 | 57.05    | 3882    | 97.3,97.3  |
| 165 | 283.8                 | 271.9 | 280.9 | 301.7 | 295.6 | 287.7  | 270.5  | 274.7 | 160-165 | 46.33    | 3929    | 98.5,98.5  |
| 170 | 288.8                 | 279.7 | 284.6 | 297.8 | 292.2 | 287.1  | 278.2  | 281.5 | 165-170 | 33.83    | 3962    | 99.3,99.3  |
| 175 | 289.2                 | 283.1 | 288.4 | 294.1 | 291.8 | 290.9  | 285.8  | 284.7 | 170-175 | 20.57    | 3983    | 99.8,99.8  |
| 180 | 292.1                 | 292.1 | 292.1 | 292.1 | 293.5 | 293.5  | 293.5  | 293.5 | 175-180 | 6.935    | 3990    | 100,100    |
| DEG | LUMINOUS INTENSITY:cd |       |       |       |       |        |        |       |         | UNIT: lm |         |            |



| LUMINANCE cd/(m2) |        |         |
|-------------------|--------|---------|
| G(DEG)            | C0/180 | C90/270 |
| 85                | 11284  | 20368   |
| 80                | 15867  | 20067   |
| 75                | 18583  | 20068   |
| 70                | 20398  | 21822   |
| 65                | 21824  | 23031   |
| 60                | 22922  | 24006   |
| 55                | 23780  | 24514   |
| 50                | 24480  | 25076   |
| 45                | 25071  | 25705   |

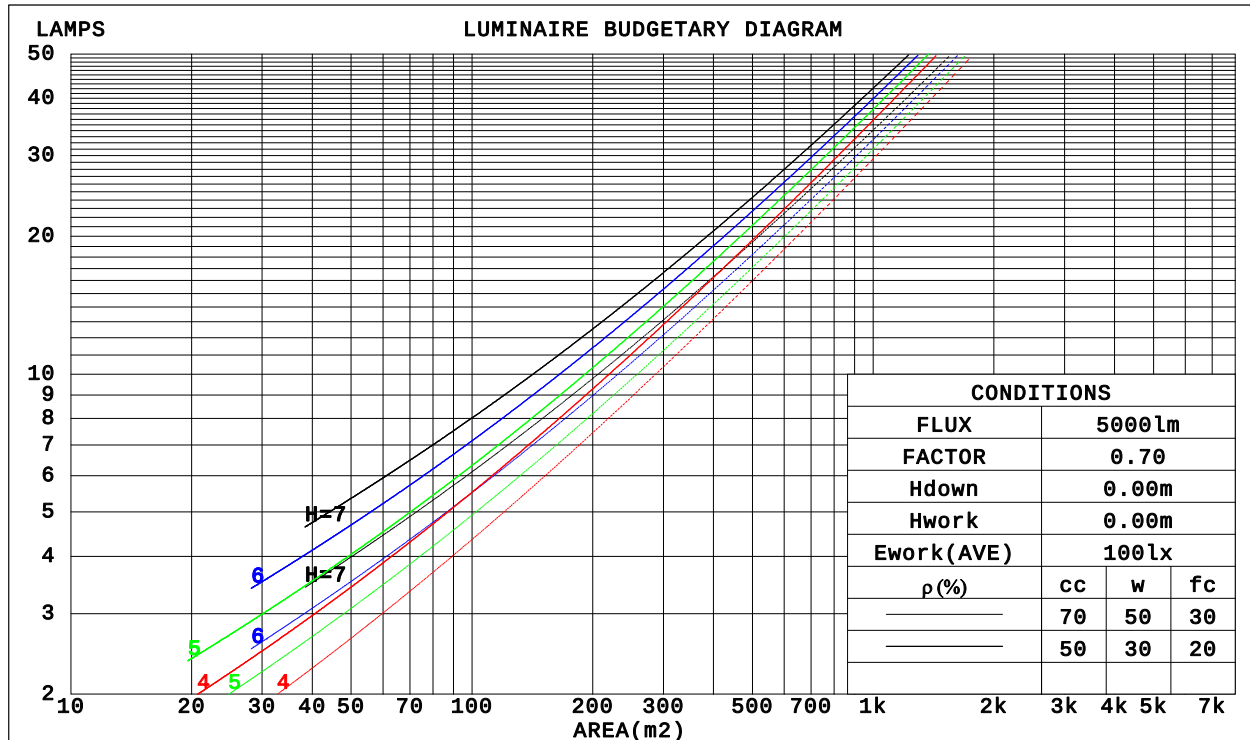
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2024-01-09

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.291  
Humidity:65.0%  
Test Distance:8.190m [K=1.0000]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|                                                                   |                  |                   |
|-------------------------------------------------------------------|------------------|-------------------|
| Test:U:120.3V I:0.3402A P:40.78W PF:0.9967 Lamp Flux:3989.84x1 lm |                  |                   |
| NAME: EB1                                                         | TYPE:            | WEIGHT:           |
| SPEC.:                                                            | DIM.: 1280*33*55 | SERIAL No.:       |
| MFR.: Utopia Lighting                                             | SUR.:1280*33     | PROTECTION ANGLE: |

|             |                       |      |      |                                 |      |      |     |     |     |     |     |     |     |     |     |     |
|-------------|-----------------------|------|------|---------------------------------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| $\rho_{CC}$ | 80%                   |      |      | 70%                             |      |      | 50% |     |     | 30% |     |     | 10% |     |     | 0   |
| $\rho_W$    | 50%                   | 30%  | 10%  | 50%                             | 30%  | 10%  | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0   |
| $\rho_{fc}$ | 20%                   |      |      | 20%                             |      |      | 20% |     |     | 20% |     |     | 20% |     |     | 0   |
| RCR         | RCR:Room Cavity Ratio |      |      | Coefficients of Utilization(CU) |      |      |     |     |     |     |     |     |     |     |     |     |
| 0.0         | 1.14                  | 1.14 | 1.14 | 1.09                            | 1.09 | 1.09 | .00 | .00 | .00 | .91 | .91 | .91 | .83 | .83 | .83 | .79 |
| 1.0         | .00                   | .95  | .92  | .95                             | .92  | .88  | .87 | .84 | .82 | .80 | .78 | .76 | .73 | .71 | .70 | .66 |
| 2.0         | .87                   | .80  | .75  | .83                             | .77  | .72  | .76 | .72 | .68 | .70 | .66 | .63 | .64 | .61 | .59 | .56 |
| 3.0         | .76                   | .69  | .62  | .73                             | .66  | .60  | .67 | .62 | .57 | .62 | .57 | .53 | .57 | .53 | .50 | .47 |
| 4.0         | .68                   | .59  | .53  | .65                             | .57  | .51  | .60 | .53 | .48 | .55 | .50 | .46 | .51 | .46 | .43 | .40 |
| 5.0         | .60                   | .52  | .45  | .58                             | .50  | .44  | .54 | .47 | .42 | .50 | .44 | .40 | .46 | .41 | .37 | .35 |
| 6.0         | .54                   | .46  | .40  | .52                             | .44  | .39  | .48 | .42 | .37 | .45 | .39 | .35 | .41 | .37 | .33 | .30 |
| 7.0         | .49                   | .41  | .35  | .47                             | .40  | .34  | .44 | .37 | .32 | .41 | .35 | .31 | .38 | .33 | .29 | .27 |
| 8.0         | .45                   | .37  | .31  | .43                             | .36  | .30  | .40 | .34 | .29 | .37 | .32 | .27 | .35 | .30 | .26 | .24 |
| 9.0         | .41                   | .33  | .28  | .40                             | .32  | .27  | .37 | .30 | .26 | .34 | .29 | .25 | .32 | .27 | .24 | .22 |
| 10.0        | .38                   | .30  | .25  | .37                             | .29  | .25  | .34 | .28 | .24 | .32 | .26 | .22 | .30 | .25 | .21 | .20 |



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2024-01-09

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
Humidity:65.0%  
Test Distance:8.190m [K=1.0000]  
Remarks:

## WEC AND CCEC

|                                                                   |  |  |                  |  |                   |
|-------------------------------------------------------------------|--|--|------------------|--|-------------------|
| Test:U:120.3V I:0.3402A P:40.78W PF:0.9967 Lamp Flux:3989.84x1 lm |  |  |                  |  |                   |
| NAME: EB1                                                         |  |  | TYPE:            |  | WEIGHT:           |
| SPEC.:                                                            |  |  | DIM.: 1280*33*55 |  | SERIAL No.:       |
| MFR.: Utopia Lighting                                             |  |  | SUR.:1280*33     |  | PROTECTION ANGLE: |

| $\rho_{cc}$ | 80%                   |      |      | 70%  |      |      | 50%                             |      |      | 30%  |      |      | 10%  |      |      | 0 |  |
|-------------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|------|------|------|---|--|
| $\rho_w$    | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%                             | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |  |
| $\rho_{fc}$ | 20%                   |      |      | 20%  |      |      | 20%                             |      |      | 20%  |      |      | 20%  |      |      | 0 |  |
| RCR         | RCR:Room Cavity Ratio |      |      |      |      |      | Wall Exitance Coefficients(WEC) |      |      |      |      |      |      |      |      |   |  |
| 0.0         |                       |      |      |      |      |      |                                 |      |      |      |      |      |      |      |      |   |  |
| 1.0         | .296                  | .169 | .053 | .283 | .162 | .051 | .258                            | .148 | .047 | .235 | .136 | .044 | .214 | .124 | .040 |   |  |
| 2.0         | .278                  | .152 | .047 | .266 | .146 | .045 | .243                            | .135 | .042 | .222 | .125 | .039 | .203 | .115 | .036 |   |  |
| 3.0         | .257                  | .137 | .041 | .246 | .132 | .040 | .226                            | .122 | .037 | .207 | .113 | .035 | .189 | .105 | .032 |   |  |
| 4.0         | .237                  | .123 | .036 | .228 | .119 | .035 | .209                            | .111 | .033 | .192 | .103 | .031 | .176 | .096 | .029 |   |  |
| 5.0         | .220                  | .112 | .032 | .211 | .108 | .032 | .194                            | .101 | .030 | .178 | .094 | .028 | .164 | .087 | .026 |   |  |
| 6.0         | .204                  | .102 | .029 | .196 | .099 | .028 | .181                            | .093 | .027 | .166 | .086 | .025 | .153 | .080 | .024 |   |  |
| 7.0         | .190                  | .094 | .027 | .183 | .091 | .026 | .169                            | .085 | .025 | .155 | .080 | .023 | .143 | .074 | .022 |   |  |
| 8.0         | .178                  | .087 | .024 | .171 | .084 | .024 | .158                            | .079 | .023 | .146 | .074 | .021 | .134 | .069 | .020 |   |  |
| 9.0         | .167                  | .081 | .023 | .161 | .078 | .022 | .149                            | .073 | .021 | .137 | .069 | .020 | .127 | .064 | .019 |   |  |
| 10.0        | .157                  | .075 | .021 | .151 | .073 | .020 | .140                            | .069 | .019 | .130 | .064 | .018 | .120 | .060 | .017 |   |  |

| $\rho_{cc}$ | 80%                   |      |      | 70%                                        |      |      | 50%  |      |      | 30%  |      |      | 10%  |      |      | 0 |
|-------------|-----------------------|------|------|--------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|---|
| $\rho_w$    | 50%                   | 30%  | 10%  | 50%                                        | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |
| $\rho_{fc}$ | 20%                   |      |      | 20%                                        |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 0 |
| RCR         | RCR:Room Cavity Ratio |      |      | Ceiling Cavity Exitance Coefficients(CCEC) |      |      |      |      |      |      |      |      |      |      |      |   |
| 0.0         | .348                  | .348 | .348 | .298                                       | .298 | .298 | .203 | .203 | .203 | .117 | .117 | .117 | .037 | .037 | .037 |   |
| 1.0         | .339                  | .315 | .295 | .290                                       | .271 | .254 | .198 | .186 | .175 | .114 | .108 | .102 | .037 | .035 | .033 |   |
| 2.0         | .331                  | .292 | .260 | .283                                       | .252 | .225 | .194 | .174 | .157 | .112 | .101 | .092 | .036 | .033 | .030 |   |
| 3.0         | .323                  | .275 | .237 | .277                                       | .238 | .206 | .190 | .165 | .144 | .110 | .096 | .085 | .035 | .031 | .028 |   |
| 4.0         | .316                  | .263 | .222 | .271                                       | .227 | .193 | .186 | .158 | .136 | .108 | .093 | .080 | .035 | .030 | .026 |   |
| 5.0         | .309                  | .253 | .211 | .265                                       | .219 | .184 | .183 | .153 | .130 | .106 | .090 | .077 | .034 | .029 | .025 |   |
| 6.0         | .302                  | .245 | .203 | .260                                       | .212 | .177 | .179 | .148 | .125 | .104 | .087 | .074 | .034 | .029 | .025 |   |
| 7.0         | .295                  | .238 | .198 | .254                                       | .206 | .172 | .176 | .145 | .122 | .102 | .085 | .073 | .033 | .028 | .024 |   |
| 8.0         | .289                  | .232 | .193 | .249                                       | .202 | .169 | .172 | .142 | .120 | .100 | .083 | .071 | .032 | .027 | .024 |   |
| 9.0         | .284                  | .228 | .190 | .244                                       | .198 | .166 | .169 | .139 | .118 | .099 | .082 | .070 | .032 | .027 | .023 |   |
| 10.0        | .278                  | .224 | .187 | .240                                       | .194 | .163 | .166 | .137 | .116 | .097 | .081 | .069 | .031 | .027 | .023 |   |

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024-01-09

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity:65.0%  
 Test Distance:8.190m [K=1.0000]  
 Remarks:

## UGR(Unified Glare Rating) Table

|                                                                   |               |                  |      |      |                  |               |                |                   |      |      |      |
|-------------------------------------------------------------------|---------------|------------------|------|------|------------------|---------------|----------------|-------------------|------|------|------|
| Test:U:120.3V I:0.3402A P:40.78W PF:0.9967 Lamp Flux:3989.84x1 lm |               |                  |      |      |                  |               |                |                   |      |      |      |
| NAME: EB1                                                         |               |                  |      |      | TYPE:            |               |                | WEIGHT:           |      |      |      |
| SPEC.:                                                            |               |                  |      |      | DIM.: 1280*33*55 |               |                | SERIAL No.:       |      |      |      |
| MFR.: Utopia Lighting                                             |               |                  |      |      | SUR.:1280*33     |               |                | PROTECTION ANGLE: |      |      |      |
| ceiling/cavity                                                    | 0.7           | 0.7              | 0.5  | 0.5  | 0.3              | 0.7           | 0.7            | 0.5               | 0.5  | 0.3  |      |
| walls                                                             | 0.5           | 0.3              | 0.5  | 0.3  | 0.3              | 0.5           | 0.3            | 0.5               | 0.3  | 0.3  |      |
| working plane                                                     | 0.2           | 0.2              | 0.2  | 0.2  | 0.2              | 0.2           | 0.2            | 0.2               | 0.2  | 0.2  |      |
| Room dimensions                                                   |               | Viewed crosswise |      |      |                  |               | Viewed endwise |                   |      |      |      |
| x = 2H y = 2H                                                     | 2H            | 22.7             | 23.9 | 23.2 | 24.4             | 25.0          | 22.9           | 24.1              | 23.4 | 24.6 | 25.2 |
|                                                                   | 3H            | 24.1             | 25.2 | 24.6 | 25.7             | 26.4          | 24.4           | 25.5              | 24.9 | 26.0 | 26.7 |
|                                                                   | 4H            | 24.6             | 25.7 | 25.2 | 26.2             | 26.9          | 24.9           | 26.0              | 25.5 | 26.6 | 27.2 |
|                                                                   | 6H            | 24.9             | 25.9 | 25.5 | 26.5             | 27.2          | 25.4           | 26.4              | 26.0 | 27.0 | 27.7 |
|                                                                   | 8H            | 25.0             | 26.0 | 25.6 | 26.6             | 27.3          | 25.6           | 26.5              | 26.2 | 27.1 | 27.8 |
|                                                                   | 12H           | 25.0             | 25.9 | 25.7 | 26.6             | 27.3          | 25.7           | 26.6              | 26.3 | 27.2 | 27.9 |
| 4H                                                                | 2H            | 23.2             | 24.3 | 23.8 | 24.8             | 25.5          | 23.4           | 24.4              | 24.0 | 25.0 | 25.7 |
|                                                                   | 3H            | 24.8             | 25.7 | 25.4 | 26.3             | 27.0          | 25.0           | 25.9              | 25.6 | 26.5 | 27.2 |
|                                                                   | 4H            | 25.4             | 26.2 | 26.1 | 26.9             | 27.6          | 25.7           | 26.5              | 26.4 | 27.2 | 27.9 |
|                                                                   | 6H            | 25.8             | 26.6 | 26.5 | 27.2             | 28.0          | 26.3           | 27.0              | 27.0 | 27.7 | 28.5 |
|                                                                   | 8H            | 26.0             | 26.6 | 26.6 | 27.3             | 28.1          | 26.5           | 27.2              | 27.2 | 27.9 | 28.7 |
|                                                                   | 12H           | 26.0             | 26.6 | 26.7 | 27.3             | 28.1          | 26.7           | 27.3              | 27.4 | 28.0 | 28.9 |
| 8H                                                                | 4H            | 25.6             | 26.3 | 26.3 | 26.9             | 27.7          | 25.9           | 26.5              | 26.6 | 27.2 | 28.0 |
|                                                                   | 6H            | 26.2             | 26.7 | 26.9 | 27.4             | 28.3          | 26.6           | 27.2              | 27.3 | 27.9 | 28.7 |
|                                                                   | 8H            | 26.3             | 26.8 | 27.1 | 27.6             | 28.4          | 27.0           | 27.4              | 27.7 | 28.2 | 29.0 |
|                                                                   | 12H           | 26.4             | 26.9 | 27.2 | 27.6             | 28.5          | 27.3           | 27.7              | 28.0 | 28.4 | 29.3 |
| 12H                                                               | 4H            | 25.6             | 26.2 | 26.3 | 26.9             | 27.7          | 25.8           | 26.5              | 26.5 | 27.1 | 28.0 |
|                                                                   | 6H            | 26.2             | 26.7 | 26.9 | 27.4             | 28.3          | 26.6           | 27.1              | 27.4 | 27.8 | 28.7 |
|                                                                   | 8H            | 26.4             | 26.8 | 27.2 | 27.6             | 28.5          | 27.0           | 27.4              | 27.8 | 28.2 | 29.1 |
| Variations with the observer position at spacings:                |               |                  |      |      |                  |               |                |                   |      |      |      |
| S = 1.0H                                                          | + 0.1 / - 0.2 |                  |      |      |                  | + 0.2 / - 0.2 |                |                   |      |      |      |
| 1.5H                                                              | + 0.2 / - 0.3 |                  |      |      |                  | + 0.2 / - 0.3 |                |                   |      |      |      |
| 2.0H                                                              | + 0.2 / - 0.2 |                  |      |      |                  | + 0.2 / - 0.2 |                |                   |      |      |      |

CIE Pub.117 Corrected 3990 lm Total Lamp Luminous Flux.(8log(F/F0) = 4.8)

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024-01-09

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity:65.0%  
 Test Distance:8.190m [K=1.0000]  
 Remarks:

## UTILIZATION FACTORS TABLE

|                                                                   |                  |                   |
|-------------------------------------------------------------------|------------------|-------------------|
| Test:U:120.3V I:0.3402A P:40.78W PF:0.9967 Lamp Flux:3989.84x1 lm |                  |                   |
| NAME: EB1                                                         | TYPE:            | WEIGHT:           |
| SPEC.:                                                            | DIM.: 1280*33*55 | SERIAL No.:       |
| MFR.: Utopia Lighting                                             | SUR.:1280*33     | PROTECTION ANGLE: |

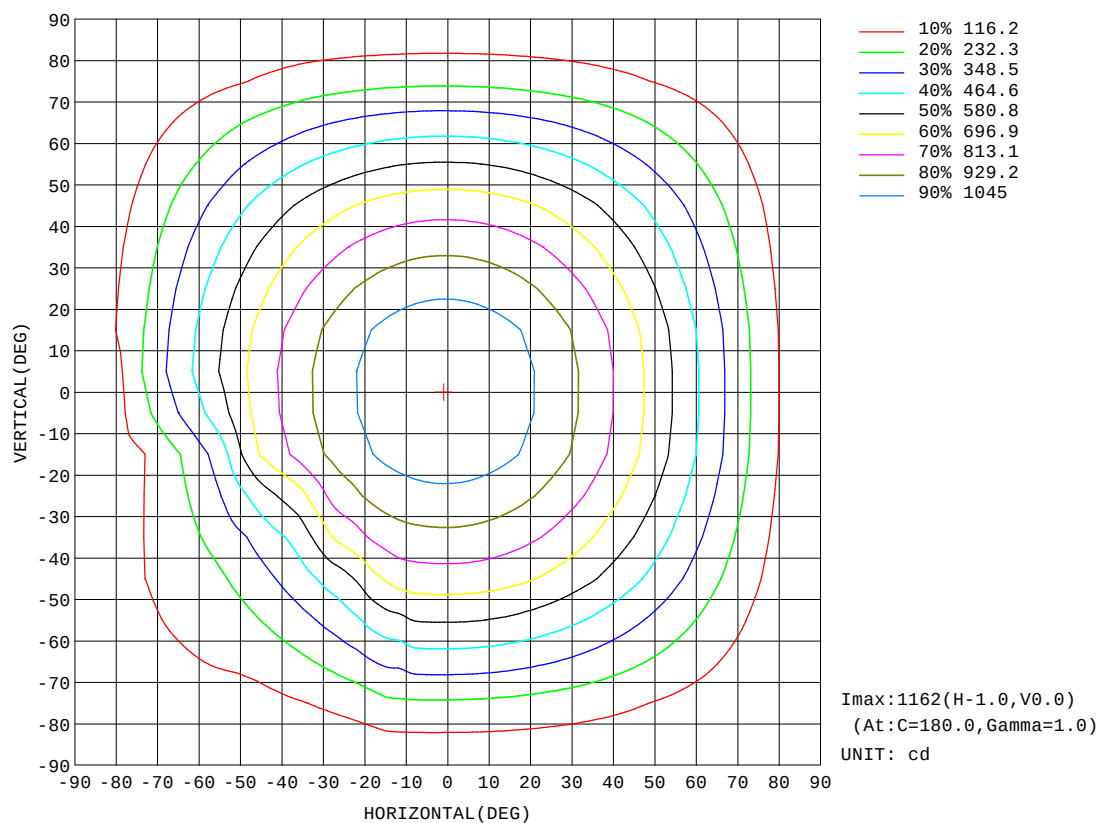
| REFLECTANCE                      |                                                     |     |           |     |     |     |     |               |     |        |
|----------------------------------|-----------------------------------------------------|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling                          | 0.8                                                 | 0.8 | 0.8       | 0.7 | 0.7 | 0.7 | 0.5 | 0.5           | 0.5 | 0      |
| Walls                            | 0.7                                                 | 0.5 | 0.3       | 0.7 | 0.5 | 0.3 | 0.7 | 0.5           | 0.3 | 0      |
| Working plane                    | 0.2                                                 | 0.2 | 0.2       | 0.2 | 0.2 | 0.2 | 0.2 | 0.2           | 0.2 | 0      |
| ROOM INDEX                       | UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$ |     |           |     |     |     |     |               |     |        |
| k = 0.60                         | 52                                                  | 41  | 35        | 51  | 40  | 34  | 48  | 39            | 33  | 26     |
| 0.80                             | 62                                                  | 51  | 44        | 60  | 50  | 43  | 57  | 48            | 42  | 33     |
| 1.00                             | 70                                                  | 59  | 52        | 68  | 58  | 51  | 64  | 57            | 49  | 40     |
| 1.25                             | 77                                                  | 67  | 60        | 75  | 65  | 58  | 70  | 62            | 56  | 46     |
| 1.50                             | 82                                                  | 72  | 65        | 79  | 70  | 64  | 74  | 66            | 61  | 50     |
| 2.00                             | 89                                                  | 80  | 74        | 86  | 78  | 72  | 79  | 73            | 68  | 56     |
| 2.50                             | 93                                                  | 85  | 79        | 90  | 82  | 77  | 83  | 77            | 72  | 59     |
| 3.00                             | 97                                                  | 90  | 84        | 93  | 86  | 81  | 85  | 80            | 76  | 62     |
| 4.00                             | 101                                                 | 95  | 90        | 96  | 91  | 87  | 89  | 85            | 81  | 66     |
| 5.00                             | 103                                                 | 98  | 94        | 99  | 94  | 91  | 91  | 87            | 84  | 68     |
| ROOM INDEX                       | UF(total)                                           |     |           |     |     |     |     |               |     | Direct |
| According to DIN EN 13032-2 2004 |                                                     |     | Suspended |     |     |     |     | SHRNOM = 1.25 |     |        |

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024-01-09

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.291  
 Humidity:65.0%  
 Test Distance:8.190m [K=1.0000]  
 Remarks:

## ISOCANDELA DIAGRAM

|                                                                   |                  |                   |
|-------------------------------------------------------------------|------------------|-------------------|
| Test:U:120.3V I:0.3402A P:40.78W PF:0.9967 Lamp Flux:3989.84x1 lm |                  |                   |
| NAME: EB1                                                         | TYPE:            | WEIGHT:           |
| SPEC.:                                                            | DIM.: 1280*33*55 | SERIAL No.:       |
| MFR.: Utopia Lighting                                             | SUR.:1280*33     | PROTECTION ANGLE: |



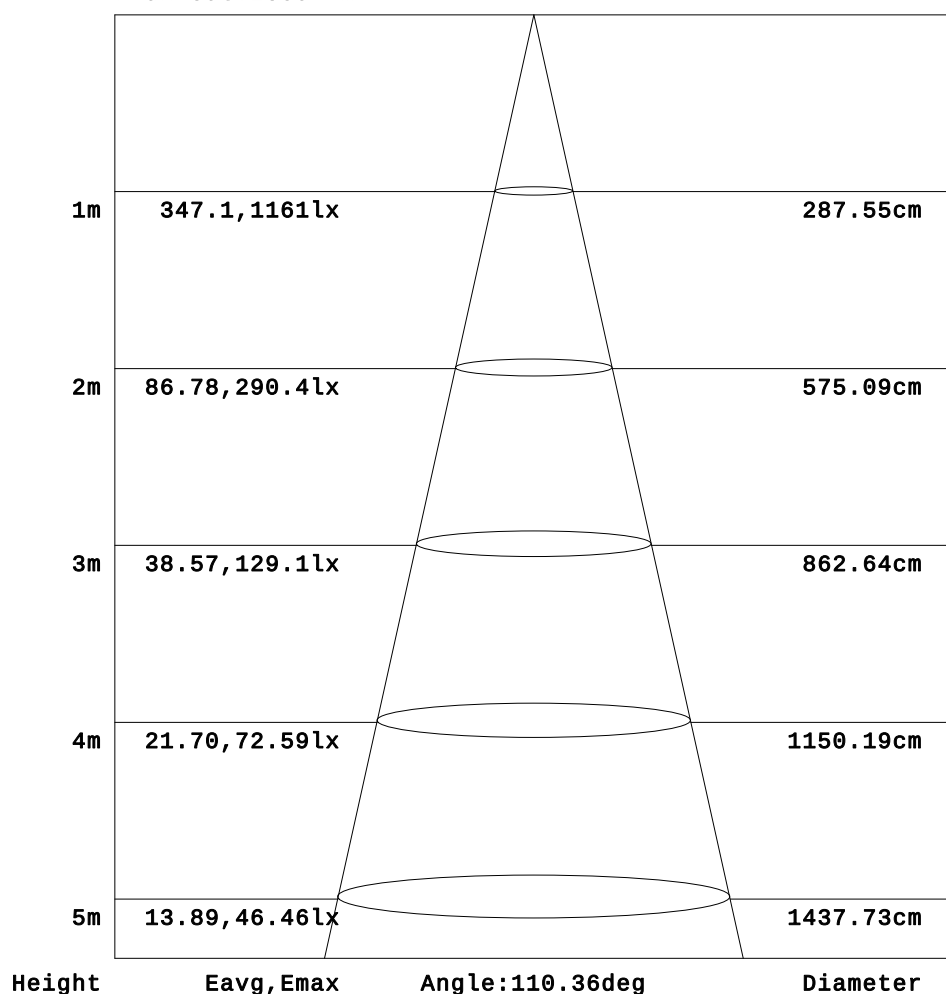
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2024-01-09

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.291  
Humidity:65.0%  
Test Distance:8.190m [K=1.0000]  
Remarks:

## AAI Figure

|                                                                   |                  |                   |
|-------------------------------------------------------------------|------------------|-------------------|
| Test:U:120.3V I:0.3402A P:40.78W PF:0.9967 Lamp Flux:3989.84x1 lm |                  |                   |
| NAME: EB1                                                         | TYPE:            | WEIGHT:           |
| SPEC.:                                                            | DIM.: 1280*33*55 | SERIAL No.:       |
| MFR.: Utopia Lighting                                             | SUR.:1280*33     | PROTECTION ANGLE: |

Flux out:2309 lm



Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

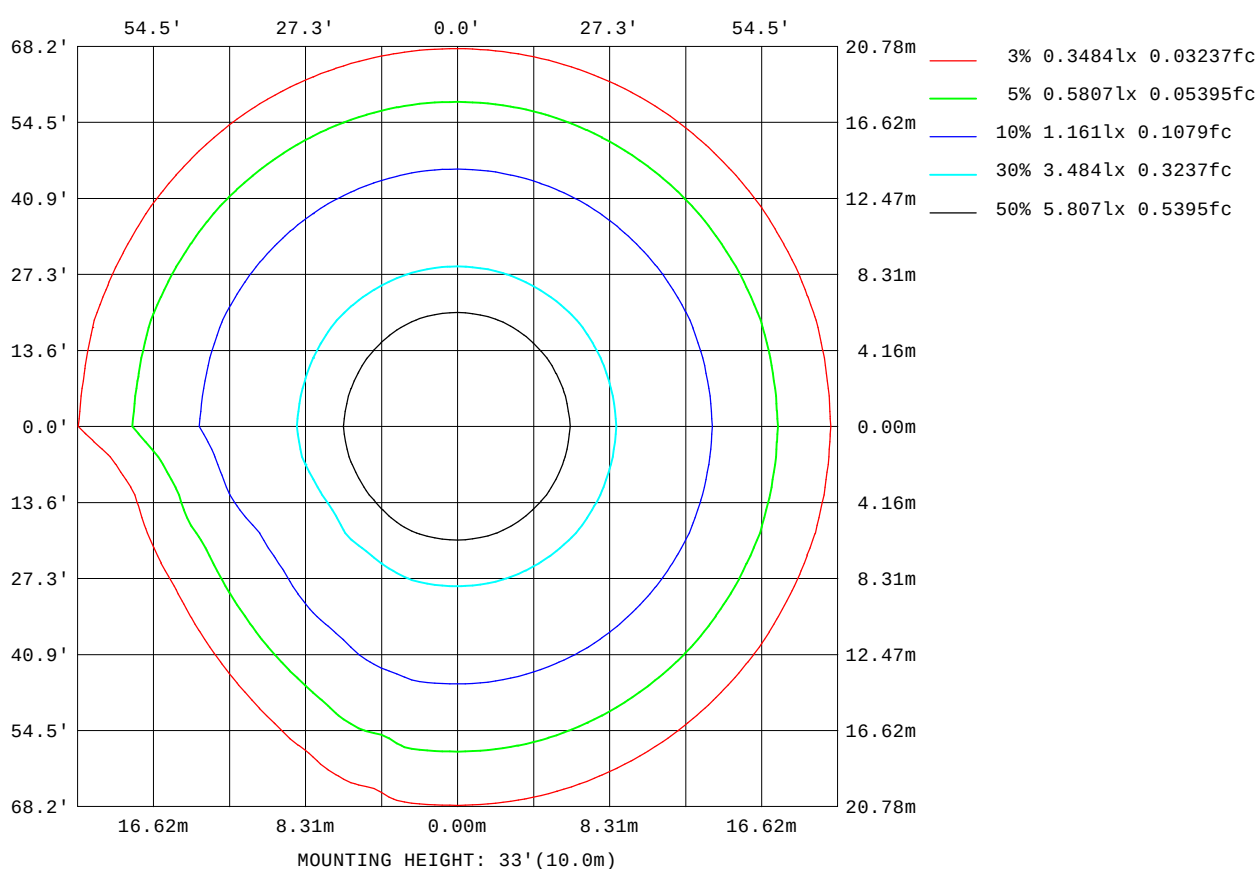
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2024-01-09

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System: EVERFINE G0-2000B\_V1 SYSTEM V2.0.291  
Humidity: 65.0%  
Test Distance: 8.190m [K=1.0000]  
Remarks:



## ISOLUX DIAGRAM

|                                                                   |                  |                   |
|-------------------------------------------------------------------|------------------|-------------------|
| Test:U:120.3V I:0.3402A P:40.78W PF:0.9967 Lamp Flux:3989.84x1 lm |                  |                   |
| NAME: EB1                                                         | TYPE:            | WEIGHT:           |
| SPEC.:                                                            | DIM.: 1280*33*55 | SERIAL No.:       |
| MFR.: Utopia Lighting                                             | SUR.:1280*33     | PROTECTION ANGLE: |



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2024-01-09

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System: EVERFINE G0-2000B\_V1 SYSTEM V2.0.291  
Humidity: 65.0%  
Test Distance: 8.190m [K=1.0000]  
Remarks:

## LED Avg.L Report

|                                                                   |                  |                   |
|-------------------------------------------------------------------|------------------|-------------------|
| Test:U:120.3V I:0.3402A P:40.78W PF:0.9967 Lamp Flux:3989.84x1 lm |                  |                   |
| NAME: EB1                                                         | TYPE:            | WEIGHT:           |
| SPEC.:                                                            | DIM.: 1280*33*55 | SERIAL No.:       |
| MFR.: Utopia Lighting                                             | SUR.:1280*33     | PROTECTION ANGLE: |

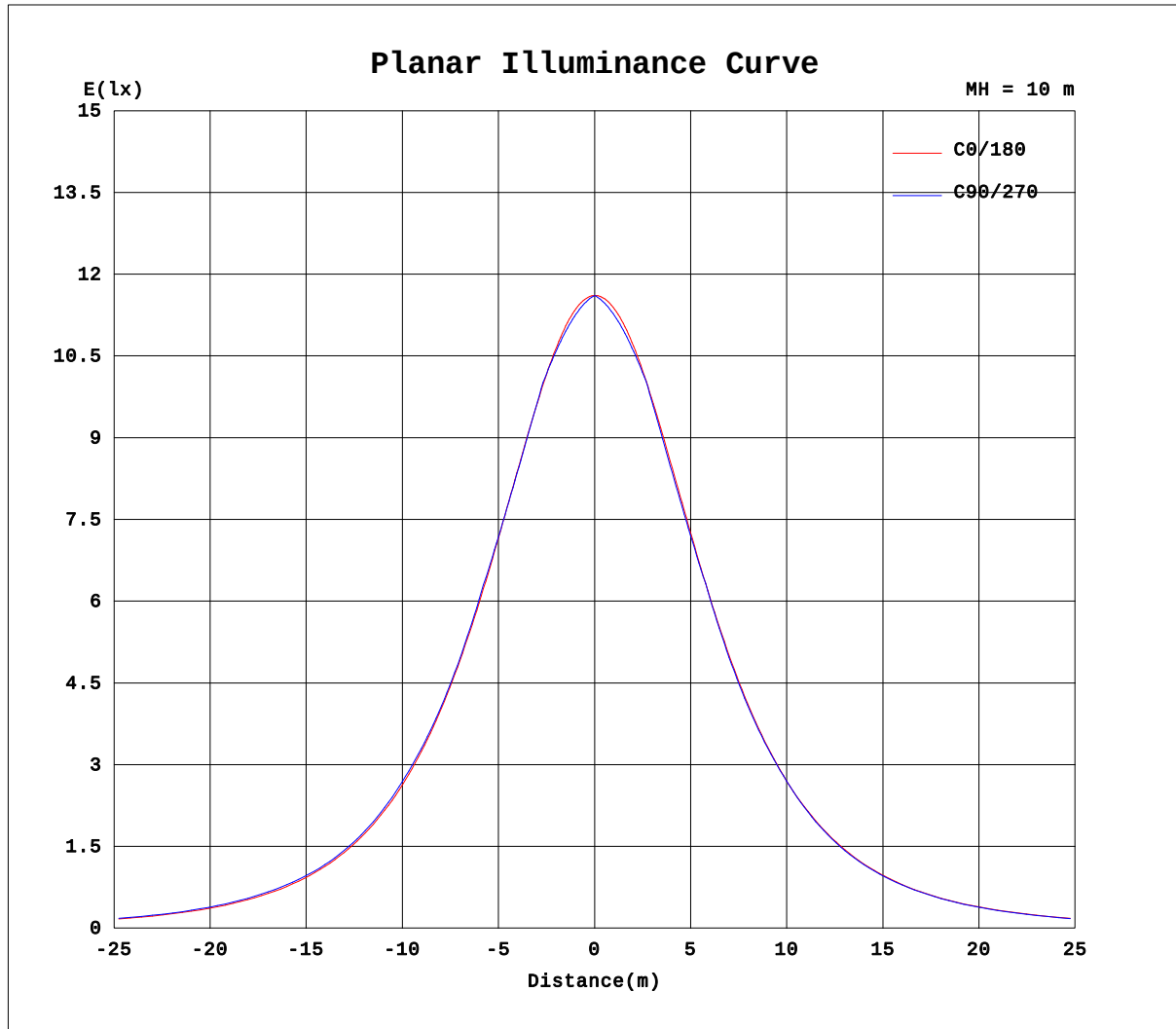
| AvgL           | cd/m2 |
|----------------|-------|
| L_0~180(65)av  | 22487 |
| L_0~180(75)av  | 19138 |
| L_0~180(85)av  | 8554  |
| L_90~270(65)av | 22890 |
| L_90~270(75)av | 19653 |
| L_90~270(85)av | 19782 |
| L_45(65)av     | 20434 |
| L_45(75)av     | 17496 |
| L_45(85)av     | 15289 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2024-01-09

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.291  
Humidity:65.0%  
Test Distance:8.190m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2024-01-09

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE G0-2000B\_V1 SYSTEM V2.0.291  
Humidity: 65.0%  
Test Distance: 8.190m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

|                                                                   |                  |                   |
|-------------------------------------------------------------------|------------------|-------------------|
| Test:U:120.3V I:0.3402A P:40.78W PF:0.9967 Lamp Flux:3989.84x1 lm |                  |                   |
| NAME: EB1                                                         | TYPE:            | WEIGHT:           |
| SPEC.:                                                            | DIM.: 1280*33*55 | SERIAL No.:       |
| MFR.: Utopia Lighting                                             | SUR.:1280*33     | PROTECTION ANGLE: |

Table--1

UNIT: cd

| C(DEG)<br>γ (DEG) | 0    | 5    | 10   | 15   | 20   | 25   | 30   | 35   | 40   | 45   | 50   | 55   | 60   | 65   | 70   | 75   | 80   | 85   | 90   |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0                 | 1161 | 1161 | 1161 | 1161 | 1161 | 1161 | 1161 | 1161 | 1161 | 1161 | 1161 | 1161 | 1161 | 1161 | 1161 | 1161 | 1161 | 1161 | 1161 |
| 5                 | 1155 | 1153 | 1152 | 1151 | 1150 | 1149 | 1148 | 1147 | 1146 | 1146 | 1145 | 1145 | 1145 | 1145 | 1145 | 1144 | 1145 | 1145 | 1145 |
| 10                | 1136 | 1133 | 1131 | 1129 | 1128 | 1127 | 1126 | 1125 | 1125 | 1125 | 1125 | 1125 | 1126 | 1126 | 1126 | 1127 | 1127 | 1128 | 1128 |
| 15                | 1107 | 1103 | 1100 | 1098 | 1096 | 1096 | 1096 | 1096 | 1097 | 1099 | 1100 | 1102 | 1104 | 1106 | 1107 | 1109 | 1110 | 1111 | 1111 |
| 20                | 1067 | 1062 | 1059 | 1057 | 1057 | 1057 | 1059 | 1061 | 1064 | 1068 | 1069 | 1067 | 1066 | 1065 | 1064 | 1064 | 1064 | 1064 | 1065 |
| 25                | 1018 | 1013 | 1009 | 1008 | 1009 | 1012 | 1015 | 1021 | 1017 | 1015 | 1014 | 1014 | 1014 | 1015 | 1015 | 1016 | 1017 | 1018 | 1018 |
| 30                | 961  | 955  | 952  | 952  | 955  | 960  | 961  | 957  | 956  | 956  | 957  | 959  | 961  | 964  | 966  | 968  | 970  | 971  | 972  |
| 35                | 895  | 889  | 887  | 889  | 894  | 895  | 892  | 890  | 892  | 894  | 898  | 902  | 902  | 901  | 901  | 901  | 902  | 902  | 902  |
| 40                | 822  | 816  | 816  | 820  | 823  | 819  | 818  | 820  | 825  | 828  | 827  | 826  | 827  | 828  | 830  | 831  | 832  | 833  | 833  |
| 45                | 745  | 739  | 739  | 746  | 742  | 740  | 742  | 748  | 746  | 746  | 748  | 750  | 753  | 756  | 758  | 760  | 762  | 763  | 763  |
| 50                | 661  | 655  | 658  | 661  | 657  | 659  | 663  | 661  | 662  | 664  | 669  | 673  | 675  | 675  | 676  | 676  | 677  | 677  | 677  |
| 55                | 573  | 568  | 574  | 570  | 570  | 574  | 572  | 573  | 578  | 583  | 582  | 582  | 583  | 585  | 587  | 588  | 589  | 590  | 591  |
| 60                | 481  | 478  | 482  | 478  | 482  | 479  | 481  | 487  | 486  | 486  | 488  | 489  | 492  | 495  | 498  | 501  | 502  | 503  | 504  |
| 65                | 387  | 386  | 386  | 387  | 385  | 387  | 390  | 389  | 390  | 392  | 395  | 398  | 400  | 402  | 404  | 406  | 408  | 408  | 409  |
| 70                | 293  | 294  | 291  | 290  | 292  | 293  | 293  | 295  | 297  | 299  | 301  | 303  | 305  | 307  | 309  | 311  | 312  | 313  | 313  |
| 75                | 202  | 201  | 200  | 200  | 199  | 201  | 202  | 204  | 206  | 208  | 209  | 210  | 211  | 213  | 214  | 215  | 217  | 217  | 218  |
| 80                | 116  | 114  | 115  | 113  | 114  | 116  | 118  | 118  | 119  | 123  | 127  | 131  | 135  | 138  | 141  | 143  | 145  | 146  | 146  |
| 85                | 41.3 | 40.3 | 39.1 | 40.1 | 41.5 | 47.7 | 52.5 | 56.5 | 59.8 | 62.6 | 65.0 | 67.2 | 69.1 | 70.7 | 72.0 | 73.2 | 74.1 | 74.7 | 74.6 |
| 90                | 2.80 | 3.33 | 3.39 | 3.47 | 3.51 | 3.56 | 3.61 | 3.66 | 3.69 | 3.73 | 3.75 | 3.82 | 3.82 | 3.76 | 3.72 | 3.58 | 3.46 | 3.50 | 2.77 |
| 95                | 3.42 | 5.19 | 5.44 | 6.14 | 5.67 | 8.62 | 11.5 | 14.2 | 17.0 | 19.5 | 21.5 | 22.9 | 23.7 | 21.3 | 18.9 | 16.7 | 15.0 | 13.6 | 12.0 |
| 100               | 18.2 | 20.5 | 21.4 | 22.0 | 23.4 | 25.6 | 27.5 | 30.0 | 32.0 | 36.1 | 39.7 | 42.3 | 43.3 | 38.6 | 33.8 | 29.7 | 26.4 | 23.7 | 21.3 |
| 105               | 40.9 | 42.8 | 44.1 | 46.4 | 48.9 | 52.0 | 54.6 | 61.0 | 66.3 | 64.3 | 62.9 | 63.0 | 61.9 | 55.6 | 48.9 | 43.0 | 38.0 | 33.8 | 30.6 |
| 110               | 75.2 | 77.2 | 78.7 | 82.4 | 86.4 | 93.5 | 90.7 | 95.2 | 99.0 | 92.7 | 87.0 | 83.4 | 79.2 | 72.9 | 66.3 | 60.5 | 56.0 | 52.4 | 49.9 |
| 115               | 125  | 124  | 123  | 125  | 123  | 125  | 123  | 122  | 119  | 114  | 108  | 102  | 96.4 | 90.1 | 83.5 | 77.9 | 73.9 | 70.9 | 69.3 |
| 120               | 150  | 147  | 146  | 145  | 146  | 145  | 143  | 141  | 137  | 132  | 127  | 121  | 115  | 109  | 102  | 96.1 | 92.3 | 89.6 | 88.6 |
| 125               | 172  | 168  | 166  | 164  | 163  | 161  | 159  | 156  | 154  | 151  | 146  | 140  | 135  | 129  | 123  | 118  | 115  | 113  | 113  |
| 130               | 189  | 185  | 182  | 180  | 178  | 176  | 175  | 172  | 169  | 167  | 163  | 160  | 155  | 149  | 144  | 140  | 137  | 136  | 137  |
| 135               | 205  | 201  | 198  | 197  | 194  | 192  | 190  | 189  | 186  | 183  | 181  | 177  | 173  | 169  | 165  | 162  | 160  | 160  | 162  |
| 140               | 219  | 216  | 213  | 212  | 210  | 208  | 205  | 204  | 203  | 202  | 199  | 195  | 192  | 189  | 186  | 184  | 182  | 183  | 186  |
| 145               | 232  | 229  | 227  | 225  | 225  | 223  | 221  | 220  | 219  | 217  | 216  | 215  | 212  | 209  | 207  | 205  | 205  | 206  | 210  |
| 150               | 246  | 243  | 241  | 240  | 239  | 239  | 238  | 236  | 235  | 233  | 232  | 230  | 229  | 228  | 227  | 227  | 228  | 230  | 234  |
| 155               | 262  | 259  | 257  | 255  | 254  | 253  | 253  | 253  | 251  | 249  | 247  | 245  | 244  | 243  | 242  | 242  | 243  | 246  | 249  |
| 160               | 275  | 272  | 270  | 269  | 267  | 266  | 265  | 264  | 263  | 263  | 262  | 260  | 259  | 258  | 258  | 258  | 259  | 262  | 265  |
| 165               | 284  | 282  | 280  | 278  | 277  | 276  | 275  | 274  | 273  | 272  | 271  | 271  | 271  | 272  | 273  | 273  | 276  | 278  | 281  |
| 170               | 289  | 287  | 286  | 285  | 284  | 283  | 282  | 281  | 280  | 280  | 279  | 279  | 279  | 278  | 278  | 280  | 281  | 283  | 285  |
| 175               | 289  | 289  | 288  | 287  | 286  | 285  | 284  | 283  | 283  | 283  | 283  | 284  | 285  | 285  | 286  | 287  | 287  | 288  | 288  |
| 180               | 292  | 292  | 292  | 292  | 292  | 292  | 292  | 292  | 292  | 292  | 292  | 292  | 292  | 292  | 292  | 292  | 292  | 292  | 292  |

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2024-01-09

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
Humidity:65.0%  
Test Distance:8.190m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

|                                                                   |                  |                   |
|-------------------------------------------------------------------|------------------|-------------------|
| Test:U:120.3V I:0.3402A P:40.78W PF:0.9967 Lamp Flux:3989.84x1 lm |                  |                   |
| NAME: EB1                                                         | TYPE:            | WEIGHT:           |
| SPEC.:                                                            | DIM.: 1280*33*55 | SERIAL No.:       |
| MFR.: Utopia Lighting                                             | SUR.:1280*33     | PROTECTION ANGLE: |

Table--2

UNIT: cd

| C(DEG)<br>γ (DEG) | 95   | 100  | 105  | 110  | 115  | 120  | 125  | 130  | 135  | 140  | 145  | 150  | 155  | 160  | 165  | 170  | 175  | 180  | 185  |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0                 | 1161 | 1161 | 1161 | 1161 | 1161 | 1161 | 1161 | 1161 | 1161 | 1161 | 1161 | 1161 | 1161 | 1161 | 1161 | 1161 | 1161 | 1161 | 1161 |
| 5                 | 1145 | 1145 | 1145 | 1145 | 1146 | 1146 | 1147 | 1147 | 1148 | 1148 | 1149 | 1150 | 1151 | 1152 | 1153 | 1154 | 1156 | 1157 | 1156 |
| 10                | 1128 | 1128 | 1128 | 1128 | 1128 | 1128 | 1128 | 1129 | 1129 | 1129 | 1130 | 1131 | 1132 | 1133 | 1135 | 1137 | 1139 | 1142 | 1139 |
| 15                | 1111 | 1111 | 1111 | 1110 | 1109 | 1108 | 1107 | 1105 | 1104 | 1103 | 1103 | 1103 | 1103 | 1104 | 1106 | 1108 | 1111 | 1115 | 1111 |
| 20                | 1065 | 1066 | 1067 | 1068 | 1069 | 1071 | 1073 | 1075 | 1075 | 1072 | 1069 | 1067 | 1065 | 1065 | 1066 | 1069 | 1073 | 1078 | 1073 |
| 25                | 1019 | 1019 | 1020 | 1020 | 1020 | 1020 | 1021 | 1022 | 1022 | 1023 | 1025 | 1020 | 1017 | 1016 | 1017 | 1019 | 1024 | 1031 | 1025 |
| 30                | 972  | 972  | 972  | 971  | 970  | 969  | 965  | 960  | 955  | 952  | 956  | 963  | 965  | 962  | 961  | 963  | 968  | 975  | 969  |
| 35                | 903  | 904  | 906  | 907  | 905  | 904  | 902  | 887  | 880  | 880  | 875  | 873  | 889  | 900  | 897  | 897  | 902  | 912  | 905  |
| 40                | 834  | 834  | 835  | 831  | 817  | 804  | 788  | 788  | 797  | 763  | 741  | 742  | 764  | 808  | 820  | 821  | 828  | 842  | 834  |
| 45                | 764  | 765  | 764  | 746  | 720  | 688  | 668  | 664  | 642  | 610  | 569  | 594  | 637  | 688  | 740  | 741  | 749  | 765  | 757  |
| 50                | 678  | 679  | 669  | 649  | 617  | 570  | 541  | 535  | 514  | 484  | 475  | 477  | 510  | 558  | 605  | 624  | 644  | 683  | 674  |
| 55                | 592  | 591  | 567  | 552  | 516  | 477  | 453  | 433  | 418  | 401  | 393  | 387  | 384  | 418  | 441  | 455  | 513  | 595  | 588  |
| 60                | 505  | 501  | 469  | 459  | 421  | 393  | 371  | 351  | 335  | 322  | 311  | 305  | 309  | 314  | 319  | 327  | 399  | 504  | 497  |
| 65                | 410  | 406  | 385  | 368  | 335  | 313  | 292  | 274  | 260  | 250  | 241  | 234  | 232  | 236  | 238  | 239  | 288  | 411  | 404  |
| 70                | 315  | 311  | 303  | 279  | 253  | 234  | 218  | 205  | 194  | 185  | 179  | 181  | 180  | 185  | 180  | 171  | 181  | 316  | 310  |
| 75                | 220  | 221  | 218  | 192  | 173  | 160  | 150  | 141  | 133  | 127  | 131  | 139  | 142  | 143  | 142  | 125  | 107  | 214  | 210  |
| 80                | 147  | 147  | 145  | 125  | 111  | 101  | 93.0 | 85.6 | 77.5 | 76.1 | 83.1 | 89.0 | 93.3 | 97.8 | 98.3 | 97.3 | 81.0 | 69.4 | 124  |
| 85                | 75.4 | 74.9 | 73.3 | 62.9 | 55.8 | 51.0 | 46.8 | 43.1 | 38.9 | 39.0 | 41.6 | 43.8 | 45.0 | 45.0 | 46.1 | 47.9 | 45.4 | 21.3 | 46.3 |
| 90                | 3.43 | 2.46 | 2.39 | 1.81 | 1.66 | 1.64 | 1.60 | 1.56 | 1.61 | 2.01 | 2.17 | 2.06 | 1.93 | 1.85 | 2.28 | 2.31 | 2.08 | 2.02 | 0.83 |
| 95                | 13.5 | 14.4 | 15.8 | 17.8 | 19.9 | 21.7 | 21.2 | 19.2 | 16.7 | 13.6 | 11.2 | 8.97 | 6.43 | 3.78 | 5.13 | 4.33 | 4.45 | 1.91 | 2.22 |
| 100               | 23.4 | 26.2 | 29.2 | 33.5 | 38.0 | 41.7 | 41.0 | 37.5 | 32.6 | 27.4 | 26.5 | 26.3 | 24.7 | 22.0 | 21.7 | 21.6 | 22.4 | 12.2 | 12.9 |
| 105               | 33.4 | 38.2 | 43.0 | 49.9 | 56.8 | 62.2 | 63.0 | 62.6 | 61.5 | 62.3 | 59.2 | 57.9 | 53.9 | 52.4 | 50.6 | 49.7 | 46.9 | 47.5 | 27.2 |
| 110               | 52.4 | 57.9 | 63.5 | 71.1 | 78.3 | 82.8 | 86.3 | 89.3 | 91.7 | 95.7 | 92.9 | 91.3 | 92.7 | 90.3 | 89.4 | 88.6 | 87.0 | 89.3 | 58.9 |
| 115               | 71.3 | 77.4 | 83.8 | 91.9 | 99.8 | 103  | 109  | 114  | 118  | 120  | 121  | 121  | 124  | 123  | 126  | 123  | 124  | 129  | 98.3 |
| 120               | 90.3 | 97.2 | 105  | 113  | 123  | 128  | 135  | 138  | 143  | 145  | 146  | 147  | 148  | 150  | 148  | 148  | 146  | 152  | 128  |
| 125               | 115  | 122  | 129  | 138  | 148  | 155  | 161  | 165  | 167  | 170  | 172  | 174  | 175  | 175  | 176  | 177  | 175  | 178  | 160  |
| 130               | 141  | 146  | 154  | 162  | 172  | 180  | 187  | 193  | 194  | 196  | 198  | 202  | 203  | 204  | 205  | 205  | 204  | 207  | 199  |
| 135               | 165  | 171  | 178  | 186  | 195  | 203  | 210  | 217  | 223  | 227  | 228  | 226  | 227  | 230  | 234  | 232  | 232  | 233  | 232  |
| 140               | 190  | 196  | 203  | 210  | 218  | 225  | 232  | 239  | 246  | 251  | 254  | 257  | 258  | 259  | 256  | 254  | 254  | 257  | 256  |
| 145               | 214  | 221  | 227  | 235  | 242  | 248  | 254  | 258  | 263  | 268  | 272  | 277  | 282  | 284  | 284  | 283  | 282  | 277  | 276  |
| 150               | 238  | 244  | 249  | 255  | 261  | 266  | 270  | 274  | 279  | 283  | 288  | 293  | 295  | 295  | 296  | 297  | 298  | 290  | 288  |
| 155               | 254  | 259  | 264  | 269  | 274  | 279  | 284  | 289  | 294  | 298  | 303  | 303  | 303  | 304  | 305  | 306  | 308  | 299  | 297  |
| 160               | 269  | 273  | 277  | 282  | 286  | 291  | 296  | 301  | 304  | 305  | 306  | 307  | 308  | 309  | 310  | 311  | 312  | 306  | 304  |
| 165               | 284  | 287  | 289  | 292  | 294  | 296  | 298  | 300  | 302  | 303  | 305  | 306  | 307  | 308  | 309  | 310  | 310  | 296  | 296  |
| 170               | 286  | 288  | 290  | 291  | 293  | 294  | 295  | 297  | 298  | 299  | 300  | 301  | 302  | 302  | 303  | 304  | 304  | 292  | 292  |
| 175               | 289  | 290  | 290  | 291  | 292  | 292  | 293  | 294  | 294  | 295  | 295  | 296  | 296  | 296  | 297  | 297  | 297  | 292  | 292  |
| 180               | 292  | 292  | 292  | 292  | 292  | 292  | 292  | 292  | 292  | 292  | 292  | 292  | 292  | 292  | 292  | 292  | 292  | 294  | 294  |

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2024-01-09

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
Humidity:65.0%  
Test Distance:8.190m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

|                                                                   |                  |                   |
|-------------------------------------------------------------------|------------------|-------------------|
| Test:U:120.3V I:0.3402A P:40.78W PF:0.9967 Lamp Flux:3989.84x1 lm |                  |                   |
| NAME: EB1                                                         | TYPE:            | WEIGHT:           |
| SPEC.:                                                            | DIM.: 1280*33*55 | SERIAL No.:       |
| MFR.: Utopia Lighting                                             | SUR.:1280*33     | PROTECTION ANGLE: |

Table--3

UNIT: cd

| C(DEG)<br>γ (DEG) | 190  | 195  | 200  | 205  | 210  | 215  | 220  | 225  | 230  | 235  | 240  | 245  | 250  | 255  | 260  | 265  | 270  | 275  | 280  |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0                 | 1161 | 1161 | 1161 | 1161 | 1161 | 1161 | 1161 | 1161 | 1161 | 1161 | 1161 | 1161 | 1161 | 1161 | 1161 | 1161 | 1161 | 1161 | 1161 |
| 5                 | 1155 | 1153 | 1152 | 1151 | 1150 | 1150 | 1149 | 1148 | 1148 | 1147 | 1147 | 1147 | 1146 | 1146 | 1146 | 1146 | 1146 | 1146 | 1146 |
| 10                | 1137 | 1135 | 1133 | 1132 | 1131 | 1131 | 1130 | 1130 | 1130 | 1130 | 1130 | 1130 | 1130 | 1130 | 1130 | 1130 | 1130 | 1130 | 1129 |
| 15                | 1108 | 1106 | 1105 | 1104 | 1104 | 1104 | 1105 | 1106 | 1107 | 1109 | 1110 | 1111 | 1112 | 1113 | 1114 | 1114 | 1114 | 1114 | 1113 |
| 20                | 1070 | 1068 | 1067 | 1067 | 1068 | 1070 | 1073 | 1077 | 1077 | 1074 | 1073 | 1071 | 1070 | 1069 | 1069 | 1068 | 1068 | 1067 | 1067 |
| 25                | 1022 | 1020 | 1021 | 1023 | 1026 | 1031 | 1027 | 1025 | 1023 | 1023 | 1022 | 1022 | 1022 | 1022 | 1022 | 1022 | 1021 | 1021 | 1020 |
| 30                | 966  | 965  | 967  | 971  | 972  | 969  | 967  | 967  | 967  | 968  | 970  | 972  | 973  | 975  | 975  | 975  | 975  | 974  | 973  |
| 35                | 902  | 902  | 907  | 908  | 904  | 903  | 904  | 906  | 909  | 913  | 911  | 910  | 908  | 907  | 906  | 906  | 905  | 905  | 904  |
| 40                | 832  | 834  | 838  | 833  | 832  | 835  | 839  | 841  | 838  | 837  | 836  | 836  | 836  | 836  | 836  | 836  | 835  | 834  | 834  |
| 45                | 756  | 761  | 757  | 756  | 759  | 764  | 761  | 759  | 758  | 759  | 760  | 762  | 763  | 764  | 765  | 765  | 765  | 764  | 763  |
| 50                | 675  | 676  | 674  | 676  | 680  | 676  | 675  | 676  | 678  | 681  | 682  | 680  | 680  | 679  | 679  | 678  | 677  | 677  | 676  |
| 55                | 590  | 587  | 588  | 592  | 588  | 588  | 590  | 593  | 591  | 590  | 590  | 590  | 590  | 590  | 590  | 590  | 589  | 589  | 588  |
| 60                | 499  | 497  | 501  | 497  | 497  | 500  | 499  | 498  | 498  | 498  | 499  | 500  | 501  | 502  | 502  | 502  | 501  | 501  | 500  |
| 65                | 403  | 407  | 403  | 403  | 404  | 403  | 403  | 404  | 406  | 407  | 407  | 406  | 406  | 406  | 405  | 405  | 404  | 403  | 403  |
| 70                | 309  | 308  | 309  | 307  | 306  | 309  | 310  | 309  | 309  | 310  | 310  | 309  | 309  | 308  | 308  | 307  | 306  | 306  | 306  |
| 75                | 210  | 209  | 210  | 209  | 211  | 212  | 212  | 212  | 213  | 214  | 214  | 213  | 212  | 211  | 210  | 210  | 209  | 209  | 209  |
| 80                | 122  | 121  | 120  | 120  | 120  | 119  | 117  | 122  | 127  | 133  | 135  | 137  | 138  | 139  | 140  | 140  | 140  | 139  | 138  |
| 85                | 45.7 | 44.2 | 43.5 | 48.0 | 51.6 | 54.7 | 57.0 | 60.9 | 63.7 | 66.5 | 67.9 | 68.8 | 69.4 | 70.0 | 70.3 | 70.4 | 70.3 | 70.1 | 69.7 |
| 90                | 0.83 | 0.89 | 0.89 | 0.92 | 0.97 | 0.97 | 0.98 | 0.98 | 0.94 | 0.93 | 0.92 | 0.92 | 0.91 | 0.90 | 0.89 | 0.87 | 0.83 | 0.85 | 0.96 |
| 95                | 3.29 | 3.46 | 3.44 | 5.72 | 7.41 | 8.82 | 10.1 | 12.6 | 15.2 | 17.2 | 18.1 | 17.5 | 16.6 | 16.0 | 14.0 | 11.3 | 11.7 | 12.5 | 13.8 |
| 100               | 15.1 | 16.3 | 17.4 | 19.3 | 20.5 | 20.4 | 20.5 | 25.2 | 30.0 | 33.7 | 35.4 | 33.9 | 32.3 | 31.0 | 27.0 | 21.8 | 22.6 | 24.1 | 26.6 |
| 105               | 30.0 | 34.5 | 37.4 | 39.2 | 41.5 | 42.2 | 44.4 | 46.2 | 49.0 | 52.1 | 53.3 | 51.2 | 48.7 | 46.1 | 40.0 | 32.3 | 33.5 | 35.8 | 39.6 |
| 110               | 55.0 | 57.7 | 60.0 | 61.6 | 61.9 | 65.8 | 67.9 | 68.3 | 69.7 | 71.8 | 72.5 | 70.8 | 69.2 | 64.1 | 58.5 | 50.9 | 53.6 | 55.3 | 58.5 |
| 115               | 84.4 | 81.2 | 80.9 | 81.9 | 83.0 | 85.8 | 88.1 | 90.0 | 90.8 | 91.7 | 91.7 | 90.3 | 89.6 | 82.0 | 77.0 | 70.1 | 73.6 | 74.9 | 77.5 |
| 120               | 111  | 107  | 104  | 105  | 106  | 108  | 111  | 113  | 114  | 116  | 114  | 112  | 110  | 101  | 96.2 | 90.0 | 93.7 | 94.6 | 96.7 |
| 125               | 148  | 144  | 138  | 133  | 135  | 136  | 136  | 138  | 139  | 140  | 138  | 137  | 132  | 127  | 121  | 116  | 118  | 117  | 120  |
| 130               | 195  | 192  | 182  | 172  | 165  | 162  | 160  | 164  | 168  | 164  | 164  | 158  | 160  | 153  | 145  | 142  | 142  | 139  | 142  |
| 135               | 234  | 237  | 224  | 210  | 197  | 187  | 192  | 197  | 203  | 197  | 191  | 182  | 186  | 178  | 167  | 166  | 166  | 162  | 165  |
| 140               | 256  | 258  | 256  | 242  | 234  | 228  | 230  | 243  | 233  | 225  | 217  | 212  | 209  | 199  | 192  | 190  | 187  | 185  | 186  |
| 145               | 275  | 276  | 277  | 272  | 263  | 263  | 263  | 259  | 255  | 251  | 243  | 237  | 229  | 221  | 215  | 210  | 208  | 208  | 206  |
| 150               | 287  | 286  | 286  | 286  | 284  | 280  | 276  | 272  | 268  | 265  | 260  | 255  | 243  | 242  | 238  | 227  | 229  | 231  | 227  |
| 155               | 296  | 295  | 295  | 294  | 293  | 292  | 289  | 286  | 283  | 278  | 270  | 262  | 260  | 253  | 255  | 243  | 243  | 243  | 238  |
| 160               | 302  | 301  | 299  | 298  | 298  | 298  | 298  | 297  | 289  | 282  | 279  | 276  | 270  | 269  | 270  | 261  | 257  | 255  | 252  |
| 165               | 296  | 295  | 295  | 294  | 292  | 290  | 288  | 288  | 288  | 287  | 284  | 282  | 283  | 286  | 285  | 280  | 270  | 265  | 267  |
| 170               | 291  | 291  | 291  | 291  | 290  | 289  | 288  | 287  | 286  | 286  | 287  | 288  | 288  | 288  | 286  | 282  | 278  | 275  | 275  |
| 175               | 291  | 291  | 291  | 291  | 291  | 291  | 291  | 291  | 291  | 291  | 290  | 290  | 290  | 289  | 288  | 287  | 286  | 285  | 284  |
| 180               | 294  | 294  | 294  | 294  | 294  | 294  | 294  | 294  | 294  | 294  | 294  | 294  | 294  | 294  | 294  | 294  | 294  | 294  | 294  |

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2024-01-09

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
Humidity:65.0%  
Test Distance:8.190m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

|                                                                   |  |  |  |  |  |  |  |  |                  |  |  |  |  |  |                   |  |  |
|-------------------------------------------------------------------|--|--|--|--|--|--|--|--|------------------|--|--|--|--|--|-------------------|--|--|
| Test:U:120.3V I:0.3402A P:40.78W PF:0.9967 Lamp Flux:3989.84x1 lm |  |  |  |  |  |  |  |  |                  |  |  |  |  |  |                   |  |  |
| NAME: EB1                                                         |  |  |  |  |  |  |  |  | TYPE:            |  |  |  |  |  | WEIGHT:           |  |  |
| SPEC.:                                                            |  |  |  |  |  |  |  |  | DIM.: 1280*33*55 |  |  |  |  |  | SERIAL No.:       |  |  |
| MFR.: Utopia Lighting                                             |  |  |  |  |  |  |  |  | SUR.:1280*33     |  |  |  |  |  | PROTECTION ANGLE: |  |  |

Table--4

UNIT: cd

| C(DEG)<br>γ (DEG) | 285  | 290  | 295  | 300  | 305  | 310  | 315  | 320  | 325  | 330  | 335  | 340  | 345  | 350  | 355  |  |  |  |  |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|--|--|
| 0                 | 1161 | 1161 | 1161 | 1161 | 1161 | 1161 | 1161 | 1161 | 1161 | 1161 | 1161 | 1161 | 1161 | 1161 | 1161 |  |  |  |  |
| 5                 | 1145 | 1145 | 1146 | 1146 | 1146 | 1146 | 1147 | 1147 | 1148 | 1148 | 1149 | 1150 | 1151 | 1152 | 1153 |  |  |  |  |
| 10                | 1129 | 1128 | 1128 | 1128 | 1127 | 1127 | 1126 | 1126 | 1126 | 1127 | 1128 | 1128 | 1130 | 1131 | 1134 |  |  |  |  |
| 15                | 1112 | 1110 | 1109 | 1107 | 1105 | 1103 | 1101 | 1100 | 1098 | 1098 | 1097 | 1098 | 1099 | 1101 | 1103 |  |  |  |  |
| 20                | 1067 | 1068 | 1068 | 1069 | 1070 | 1072 | 1072 | 1067 | 1064 | 1061 | 1059 | 1058 | 1058 | 1060 | 1063 |  |  |  |  |
| 25                | 1020 | 1019 | 1018 | 1017 | 1017 | 1018 | 1019 | 1021 | 1024 | 1018 | 1014 | 1011 | 1010 | 1010 | 1013 |  |  |  |  |
| 30                | 971  | 969  | 967  | 964  | 962  | 960  | 959  | 959  | 961  | 964  | 962  | 956  | 953  | 953  | 955  |  |  |  |  |
| 35                | 904  | 904  | 904  | 905  | 906  | 902  | 898  | 895  | 894  | 895  | 898  | 896  | 890  | 888  | 889  |  |  |  |  |
| 40                | 833  | 832  | 831  | 830  | 829  | 830  | 832  | 829  | 824  | 822  | 822  | 826  | 822  | 817  | 817  |  |  |  |  |
| 45                | 762  | 759  | 757  | 755  | 752  | 750  | 750  | 750  | 753  | 746  | 743  | 744  | 748  | 740  | 739  |  |  |  |  |
| 50                | 676  | 676  | 676  | 676  | 675  | 671  | 667  | 665  | 665  | 667  | 662  | 659  | 662  | 660  | 656  |  |  |  |  |
| 55                | 587  | 586  | 585  | 584  | 583  | 583  | 585  | 580  | 576  | 575  | 577  | 573  | 572  | 575  | 569  |  |  |  |  |
| 60                | 498  | 496  | 494  | 492  | 491  | 489  | 488  | 489  | 490  | 485  | 482  | 485  | 480  | 483  | 478  |  |  |  |  |
| 65                | 402  | 401  | 401  | 400  | 399  | 397  | 394  | 393  | 392  | 393  | 391  | 388  | 390  | 387  | 387  |  |  |  |  |
| 70                | 305  | 304  | 304  | 303  | 303  | 302  | 301  | 300  | 298  | 297  | 297  | 296  | 294  | 293  | 295  |  |  |  |  |
| 75                | 208  | 208  | 208  | 208  | 208  | 208  | 208  | 208  | 207  | 206  | 205  | 204  | 205  | 203  | 202  |  |  |  |  |
| 80                | 137  | 136  | 134  | 131  | 129  | 126  | 122  | 119  | 120  | 121  | 120  | 119  | 118  | 119  | 117  |  |  |  |  |
| 85                | 69.1 | 68.4 | 67.4 | 66.3 | 64.9 | 63.3 | 61.5 | 59.3 | 56.7 | 53.6 | 49.9 | 45.2 | 44.7 | 44.4 | 44.5 |  |  |  |  |
| 90                | 1.08 | 1.26 | 1.41 | 1.49 | 1.59 | 1.67 | 1.73 | 1.78 | 1.86 | 1.88 | 1.95 | 1.95 | 1.98 | 2.02 | 2.01 |  |  |  |  |
| 95                | 15.6 | 17.8 | 20.3 | 22.6 | 21.9 | 20.2 | 18.0 | 15.2 | 12.2 | 9.26 | 6.11 | 3.45 | 4.25 | 3.30 | 3.25 |  |  |  |  |
| 100               | 29.9 | 34.1 | 38.8 | 43.5 | 42.5 | 39.2 | 35.0 | 30.4 | 28.0 | 25.2 | 23.0 | 20.6 | 19.3 | 18.8 | 18.1 |  |  |  |  |
| 105               | 44.5 | 50.5 | 57.1 | 63.1 | 64.1 | 63.5 | 64.3 | 65.6 | 59.2 | 52.4 | 49.7 | 46.3 | 44.1 | 42.0 | 41.4 |  |  |  |  |
| 110               | 63.0 | 68.9 | 75.3 | 81.4 | 85.3 | 88.5 | 93.7 | 99.4 | 94.0 | 89.5 | 91.5 | 84.4 | 80.3 | 77.2 | 76.5 |  |  |  |  |
| 115               | 81.5 | 87.1 | 93.5 | 99.5 | 105  | 111  | 116  | 120  | 123  | 124  | 126  | 124  | 126  | 124  | 124  |  |  |  |  |
| 120               | 101  | 106  | 113  | 119  | 124  | 130  | 134  | 139  | 143  | 145  | 147  | 149  | 149  | 150  | 147  |  |  |  |  |
| 125               | 123  | 128  | 133  | 139  | 144  | 149  | 154  | 157  | 160  | 163  | 167  | 168  | 169  | 170  | 168  |  |  |  |  |
| 130               | 145  | 150  | 154  | 159  | 164  | 168  | 171  | 175  | 178  | 181  | 183  | 184  | 186  | 184  | 180  |  |  |  |  |
| 135               | 168  | 171  | 175  | 179  | 183  | 186  | 189  | 193  | 197  | 198  | 199  | 201  | 203  | 197  | 192  |  |  |  |  |
| 140               | 189  | 192  | 196  | 199  | 202  | 206  | 209  | 210  | 211  | 213  | 215  | 218  | 216  | 212  | 209  |  |  |  |  |
| 145               | 208  | 214  | 217  | 220  | 222  | 223  | 223  | 226  | 227  | 229  | 231  | 231  | 227  | 224  | 222  |  |  |  |  |
| 150               | 226  | 233  | 235  | 235  | 236  | 237  | 238  | 238  | 240  | 246  | 246  | 243  | 240  | 238  | 236  |  |  |  |  |
| 155               | 242  | 244  | 248  | 250  | 250  | 250  | 251  | 253  | 255  | 255  | 253  | 252  | 253  | 254  | 255  |  |  |  |  |
| 160               | 248  | 259  | 262  | 264  | 265  | 265  | 265  | 264  | 264  | 265  | 265  | 266  | 267  | 268  | 270  |  |  |  |  |
| 165               | 259  | 260  | 271  | 275  | 275  | 275  | 275  | 275  | 275  | 275  | 275  | 276  | 277  | 278  | 279  |  |  |  |  |
| 170               | 276  | 274  | 270  | 271  | 276  | 279  | 281  | 282  | 282  | 283  | 283  | 284  | 285  | 285  | 286  |  |  |  |  |
| 175               | 284  | 285  | 285  | 285  | 285  | 285  | 285  | 285  | 285  | 286  | 286  | 287  | 288  | 289  | 290  |  |  |  |  |
| 180               | 294  | 294  | 294  | 294  | 294  | 294  | 294  | 294  | 294  | 294  | 294  | 294  | 294  | 294  | 294  |  |  |  |  |

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024-01-09

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity:65.0%  
 Test Distance:8.190m [K=1.0000]  
 Remarks:

## Photometric Data Table [cd]

| G/C   | 0.0   | 5.0   | 10.0  | 15.0  | 20.0  | 25.0  | 30.0  | 35.0  | 40.0  | 45.0  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0.0   | 1161  | 1161  | 1161  | 1161  | 1161  | 1161  | 1161  | 1161  | 1161  | 1161  |
| 2.5   | 1159  | 1159  | 1158  | 1157  | 1157  | 1156  | 1156  | 1155  | 1155  | 1154  |
| 5.0   | 1155  | 1153  | 1152  | 1151  | 1150  | 1149  | 1148  | 1147  | 1146  | 1146  |
| 7.5   | 1147  | 1145  | 1143  | 1141  | 1140  | 1139  | 1138  | 1137  | 1137  | 1136  |
| 10.0  | 1136  | 1133  | 1131  | 1129  | 1128  | 1127  | 1126  | 1125  | 1125  | 1125  |
| 12.5  | 1123  | 1119  | 1117  | 1115  | 1113  | 1112  | 1112  | 1112  | 1112  | 1112  |
| 15.0  | 1107  | 1103  | 1100  | 1098  | 1096  | 1096  | 1096  | 1096  | 1097  | 1099  |
| 17.5  | 1088  | 1084  | 1081  | 1079  | 1078  | 1077  | 1078  | 1080  | 1082  | 1084  |
| 20.0  | 1067  | 1062  | 1059  | 1057  | 1057  | 1057  | 1059  | 1061  | 1064  | 1068  |
| 22.5  | 1044  | 1039  | 1035  | 1034  | 1034  | 1035  | 1038  | 1042  | 1046  | 1044  |
| 25.0  | 1018  | 1013  | 1009  | 1008  | 1009  | 1012  | 1015  | 1021  | 1017  | 1015  |
| 27.5  | 990.3 | 984.7 | 981.7 | 981.0 | 982.7 | 986.4 | 991.8 | 989.6 | 987.1 | 985.9 |
| 30.0  | 960.6 | 954.7 | 951.8 | 951.8 | 954.6 | 959.8 | 961.0 | 957.4 | 955.9 | 955.8 |
| 32.5  | 928.5 | 922.5 | 920.2 | 921.0 | 925.1 | 931.3 | 926.7 | 924.4 | 923.9 | 925.1 |
| 35.0  | 894.9 | 888.8 | 886.8 | 888.6 | 893.7 | 894.9 | 891.5 | 890.4 | 891.5 | 894.0 |
| 37.5  | 859.4 | 853.2 | 851.8 | 854.7 | 861.7 | 857.3 | 855.2 | 855.8 | 858.3 | 862.5 |
| 40.0  | 822.5 | 816.4 | 815.7 | 819.6 | 823.3 | 819.0 | 818.2 | 820.3 | 824.6 | 828.0 |
| 42.5  | 784.2 | 778.1 | 778.0 | 783.4 | 783.1 | 779.6 | 780.6 | 784.5 | 788.8 | 787.0 |
| 45.0  | 744.6 | 738.5 | 739.3 | 746.3 | 741.6 | 739.9 | 742.4 | 748.4 | 746.4 | 746.4 |
| 47.5  | 703.2 | 697.4 | 699.2 | 704.9 | 699.5 | 699.7 | 704.2 | 705.0 | 704.1 | 705.2 |
| 50.0  | 660.9 | 655.4 | 658.4 | 660.5 | 656.8 | 659.0 | 663.1 | 661.1 | 661.6 | 664.3 |
| 52.5  | 617.3 | 612.3 | 616.8 | 615.5 | 613.7 | 618.0 | 617.2 | 616.8 | 619.3 | 624.0 |
| 55.0  | 572.9 | 568.4 | 574.3 | 570.1 | 570.2 | 573.8 | 571.7 | 573.2 | 577.5 | 582.6 |
| 57.5  | 527.5 | 523.6 | 530.4 | 524.3 | 526.7 | 526.2 | 526.2 | 529.9 | 535.0 | 534.1 |
| 60.0  | 481.4 | 478.1 | 482.2 | 478.1 | 481.7 | 479.1 | 481.4 | 487.0 | 486.1 | 486.1 |
| 62.5  | 434.7 | 432.4 | 433.9 | 432.2 | 432.8 | 432.9 | 437.2 | 437.8 | 437.6 | 439.0 |
| 65.0  | 387.4 | 386.2 | 385.7 | 386.6 | 384.9 | 387.5 | 389.6 | 389.1 | 390.2 | 392.0 |
| 67.5  | 340.3 | 340.2 | 337.9 | 338.6 | 338.3 | 342.2 | 340.7 | 341.4 | 343.4 | 346.2 |
| 70.0  | 293.0 | 294.4 | 291.2 | 290.1 | 292.5 | 293.2 | 293.2 | 294.8 | 297.3 | 299.4 |
| 72.5  | 247.3 | 247.3 | 245.5 | 244.0 | 245.4 | 246.0 | 247.0 | 249.1 | 251.1 | 253.1 |
| 75.0  | 202.0 | 201.0 | 199.7 | 200.1 | 199.0 | 200.5 | 202.3 | 204.3 | 206.1 | 207.6 |
| 77.5  | 158.2 | 156.4 | 155.4 | 155.5 | 155.0 | 157.5 | 159.2 | 160.7 | 162.0 | 162.8 |
| 80.0  | 115.7 | 114.5 | 114.8 | 113.1 | 114.1 | 116.4 | 117.6 | 118.3 | 118.6 | 122.6 |
| 82.5  | 76.74 | 75.27 | 74.46 | 74.67 | 76.05 | 77.12 | 77.89 | 83.56 | 88.29 | 92.40 |
| 85.0  | 41.30 | 40.28 | 39.14 | 40.06 | 41.48 | 47.67 | 52.52 | 56.48 | 59.78 | 62.62 |
| 87.5  | 12.22 | 10.99 | 11.44 | 17.64 | 22.03 | 25.32 | 27.88 | 29.94 | 31.64 | 33.10 |
| 90.0  | 2.796 | 3.329 | 3.394 | 3.469 | 3.506 | 3.562 | 3.613 | 3.665 | 3.693 | 3.730 |
| 92.5  | 2.454 | 3.362 | 3.255 | 3.582 | 4.467 | 5.963 | 7.472 | 8.882 | 10.27 | 11.59 |
| 95.0  | 3.415 | 5.192 | 5.435 | 6.143 | 5.667 | 8.616 | 11.50 | 14.24 | 16.97 | 19.53 |
| 97.5  | 9.601 | 12.00 | 12.06 | 12.94 | 13.71 | 14.69 | 15.85 | 19.89 | 23.89 | 27.66 |
| 100.0 | 18.19 | 20.51 | 21.41 | 22.00 | 23.42 | 25.60 | 27.54 | 30.01 | 32.01 | 36.05 |
| 102.5 | 28.63 | 30.64 | 31.76 | 33.47 | 35.02 | 37.38 | 40.46 | 44.95 | 49.06 | 49.38 |
| 105.0 | 40.94 | 42.77 | 44.05 | 46.44 | 48.94 | 51.97 | 54.56 | 60.98 | 66.27 | 64.34 |
| 107.5 | 55.49 | 57.47 | 58.78 | 62.01 | 65.94 | 70.95 | 72.10 | 78.31 | 82.85 | 78.83 |
| 110.0 | 75.17 | 77.20 | 78.67 | 82.39 | 86.44 | 93.50 | 90.67 | 95.20 | 99.02 | 92.67 |
| 112.5 | 101.4 | 101.9 | 103.5 | 109.0 | 106.2 | 113.7 | 108.0 | 110.1 | 109.5 | 105.2 |
| 115.0 | 125.0 | 124.0 | 123.4 | 124.6 | 123.4 | 125.1 | 123.5 | 122.2 | 118.8 | 114.0 |
| 117.5 | 137.2 | 135.5 | 135.2 | 134.9 | 135.0 | 135.1 | 135.3 | 132.2 | 127.9 | 122.9 |
| 120.0 | 149.6 | 146.9 | 146.0 | 145.2 | 145.9 | 144.6 | 143.3 | 141.5 | 136.9 | 131.9 |
| 122.5 | 161.7 | 158.1 | 156.8 | 155.0 | 155.0 | 153.1 | 151.0 | 148.7 | 145.9 | 141.1 |
| 125.0 | 172.0 | 168.0 | 166.0 | 164.0 | 162.7 | 161.2 | 158.5 | 156.2 | 153.7 | 150.5 |
| 127.5 | 181.1 | 176.9 | 174.5 | 172.4 | 170.1 | 168.7 | 166.4 | 164.0 | 161.4 | 158.6 |
| 130.0 | 189.3 | 185.1 | 182.4 | 180.1 | 177.8 | 176.1 | 174.7 | 172.2 | 169.4 | 166.6 |
| 132.5 | 197.2 | 193.0 | 190.2 | 188.5 | 185.8 | 184.1 | 182.7 | 180.5 | 177.7 | 174.9 |
| 135.0 | 205.1 | 201.0 | 198.2 | 196.9 | 194.3 | 192.0 | 190.2 | 189.0 | 186.1 | 183.4 |
| 137.5 | 212.3 | 208.5 | 206.0 | 204.7 | 202.4 | 199.8 | 197.8 | 196.3 | 195.1 | 192.5 |
| 140.0 | 219.0 | 215.6 | 213.2 | 211.7 | 210.5 | 207.5 | 205.4 | 203.8 | 203.0 | 201.8 |
| 142.5 | 225.5 | 222.3 | 220.0 | 218.6 | 217.8 | 215.3 | 213.0 | 211.6 | 210.8 | 210.0 |
| 145.0 | 231.7 | 228.8 | 226.7 | 225.4 | 224.6 | 223.0 | 221.1 | 219.7 | 218.7 | 217.5 |
| 147.5 | 238.7 | 235.7 | 233.5 | 232.1 | 231.5 | 231.4 | 229.4 | 228.0 | 226.5 | 225.1 |
| 150.0 | 246.1 | 243.3 | 241.2 | 239.7 | 239.0 | 238.9 | 236.1 | 236.2 | 234.6 | 233.0 |
| 152.5 | 254.0 | 251.2 | 249.2 | 247.7 | 246.8 | 246.2 | 246.1 | 244.6 | 242.7 | 241.1 |
| 155.0 | 261.8 | 259.1 | 256.9 | 255.2 | 254.0 | 253.3 | 252.9 | 252.8 | 251.0 | 249.0 |
| 157.5 | 268.7 | 266.1 | 263.9 | 262.2 | 260.9 | 259.9 | 259.4 | 259.0 | 258.8 | 256.5 |
| 160.0 | 274.8 | 272.3 | 270.3 | 268.6 | 267.2 | 266.0 | 265.2 | 264.4 | 263.5 | 262.9 |
| 162.5 | 279.8 | 277.6 | 275.7 | 274.1 | 272.6 | 271.2 | 270.0 | 269.1 | 268.3 | 267.7 |
| 165.0 | 283.8 | 281.8 | 280.0 | 278.5 | 277.1 | 275.8 | 274.8 | 273.7 | 272.7 | 271.9 |
| 167.5 | 287.2 | 285.5 | 283.9 | 282.5 | 281.0 | 279.7 | 278.5 | 277.5 | 276.7 | 276.1 |
| 170.0 | 288.8 | 287.5 | 286.2 | 285.0 | 283.8 | 282.8 | 281.9 | 281.0 | 280.3 | 279.7 |
| 172.5 | 289.3 | 288.4 | 287.5 | 286.6 | 285.8 | 285.1 | 284.4 | 283.8 | 283.3 | 282.9 |
| 175.0 | 289.2 | 288.6 | 287.9 | 287.1 | 286.2 | 285.2 | 284.2 | 283.1 | 282.9 | 283.1 |
| 177.5 | 288.3 | 288.2 | 288.1 | 288.0 | 288.0 | 288.0 | 288.1 | 288.3 | 288.4 | 288.4 |
| 180.0 | 292.1 | 292.1 | 292.1 | 292.1 | 292.1 | 292.1 | 292.1 | 292.1 | 292.1 | 292.1 |

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2024-01-09

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity: 65.0%  
 Test Distance: 8.190m [K=1.0000]  
 Remarks:



## Photometric Data Table [cd]

| G/C   | 50.0  | 55.0  | 60.0  | 65.0  | 70.0  | 75.0  | 80.0  | 85.0  | 90.0  | 95.0  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0.0   | 1161  | 1161  | 1161  | 1161  | 1161  | 1161  | 1161  | 1161  | 1161  | 1161  |
| 2.5   | 1154  | 1154  | 1153  | 1153  | 1153  | 1153  | 1153  | 1153  | 1153  | 1153  |
| 5.0   | 1145  | 1145  | 1145  | 1145  | 1145  | 1144  | 1145  | 1145  | 1145  | 1145  |
| 7.5   | 1136  | 1136  | 1136  | 1136  | 1136  | 1136  | 1136  | 1136  | 1136  | 1136  |
| 10.0  | 1125  | 1125  | 1126  | 1126  | 1126  | 1127  | 1127  | 1128  | 1128  | 1128  |
| 12.5  | 1113  | 1114  | 1115  | 1116  | 1117  | 1118  | 1119  | 1119  | 1120  | 1120  |
| 15.0  | 1100  | 1102  | 1104  | 1106  | 1107  | 1109  | 1110  | 1111  | 1111  | 1111  |
| 17.5  | 1087  | 1089  | 1091  | 1089  | 1088  | 1088  | 1088  | 1088  | 1088  | 1088  |
| 20.0  | 1069  | 1067  | 1066  | 1065  | 1064  | 1064  | 1064  | 1064  | 1065  | 1065  |
| 22.5  | 1042  | 1041  | 1040  | 1040  | 1040  | 1040  | 1041  | 1041  | 1042  | 1042  |
| 25.0  | 1014  | 1014  | 1014  | 1015  | 1015  | 1016  | 1017  | 1018  | 1018  | 1019  |
| 27.5  | 985.8 | 986.4 | 987.6 | 989.1 | 990.7 | 992.2 | 993.5 | 994.4 | 995.1 | 995.6 |
| 30.0  | 956.8 | 958.8 | 961.0 | 963.6 | 965.9 | 968.0 | 969.9 | 971.1 | 971.9 | 972.3 |
| 32.5  | 927.4 | 930.6 | 934.1 | 937.7 | 936.9 | 936.7 | 936.6 | 936.8 | 937.1 | 938.0 |
| 35.0  | 897.7 | 902.1 | 901.9 | 901.3 | 901.2 | 901.4 | 901.7 | 902.0 | 902.4 | 903.2 |
| 37.5  | 865.9 | 864.7 | 864.5 | 864.9 | 865.6 | 866.2 | 866.8 | 867.3 | 867.6 | 868.4 |
| 40.0  | 826.6 | 826.4 | 827.1 | 828.4 | 829.7 | 830.9 | 831.9 | 832.6 | 832.9 | 833.6 |
| 42.5  | 787.1 | 788.1 | 789.9 | 792.0 | 793.9 | 795.7 | 797.0 | 797.9 | 798.1 | 798.8 |
| 45.0  | 747.6 | 749.8 | 752.7 | 755.5 | 758.2 | 760.5 | 762.2 | 763.2 | 763.4 | 764.0 |
| 47.5  | 708.0 | 711.7 | 715.6 | 719.2 | 720.1 | 720.0 | 720.1 | 720.2 | 720.2 | 721.2 |
| 50.0  | 668.6 | 673.5 | 675.3 | 675.1 | 675.6 | 676.1 | 676.6 | 676.9 | 677.0 | 678.1 |
| 52.5  | 629.3 | 628.9 | 629.2 | 629.9 | 631.0 | 632.2 | 633.0 | 633.6 | 633.8 | 634.9 |
| 55.0  | 581.8 | 582.1 | 583.3 | 584.8 | 586.5 | 588.3 | 589.5 | 590.2 | 590.6 | 591.7 |
| 57.5  | 534.3 | 535.6 | 537.6 | 539.8 | 542.2 | 544.4 | 546.0 | 546.8 | 547.3 | 548.6 |
| 60.0  | 487.5 | 489.5 | 492.0 | 494.8 | 497.9 | 500.5 | 502.5 | 503.5 | 504.1 | 505.4 |
| 62.5  | 440.9 | 443.5 | 446.7 | 449.8 | 452.0 | 454.0 | 455.3 | 455.9 | 456.5 | 457.9 |
| 65.0  | 394.9 | 397.7 | 399.8 | 401.9 | 404.0 | 406.1 | 407.5 | 408.2 | 408.8 | 410.3 |
| 67.5  | 348.2 | 350.1 | 352.2 | 354.3 | 356.3 | 358.3 | 359.7 | 360.5 | 361.1 | 362.6 |
| 70.0  | 301.2 | 303.0 | 304.9 | 306.8 | 308.7 | 310.5 | 311.9 | 312.8 | 313.5 | 315.0 |
| 72.5  | 254.7 | 256.4 | 257.9 | 259.5 | 261.2 | 262.9 | 264.2 | 265.2 | 265.8 | 267.3 |
| 75.0  | 208.9 | 210.1 | 211.3 | 212.5 | 213.8 | 215.3 | 216.5 | 217.5 | 218.1 | 219.6 |
| 77.5  | 163.6 | 164.2 | 167.8 | 171.6 | 174.9 | 177.8 | 180.0 | 181.6 | 182.2 | 183.4 |
| 80.0  | 127.2 | 131.2 | 134.7 | 137.8 | 140.5 | 142.9 | 144.7 | 146.0 | 146.4 | 147.4 |
| 82.5  | 95.95 | 99.08 | 101.8 | 104.2 | 106.2 | 108.0 | 109.4 | 110.3 | 110.5 | 111.4 |
| 85.0  | 65.04 | 67.20 | 69.07 | 70.65 | 72.02 | 73.17 | 74.05 | 74.72 | 74.56 | 75.42 |
| 87.5  | 34.34 | 35.47 | 36.42 | 37.19 | 37.86 | 38.37 | 38.75 | 39.11 | 38.66 | 39.43 |
| 90.0  | 3.754 | 3.823 | 3.819 | 3.758 | 3.720 | 3.581 | 3.459 | 3.501 | 2.766 | 3.428 |
| 92.5  | 12.60 | 13.36 | 13.78 | 12.55 | 11.31 | 10.15 | 9.221 | 8.558 | 7.397 | 8.446 |
| 95.0  | 21.50 | 22.94 | 23.70 | 21.30 | 18.88 | 16.71 | 14.97 | 13.61 | 12.03 | 13.46 |
| 97.5  | 30.51 | 32.59 | 33.55 | 29.98 | 26.40 | 23.24 | 20.71 | 18.66 | 16.66 | 18.46 |
| 100.0 | 39.68 | 42.35 | 43.31 | 38.56 | 33.84 | 29.72 | 26.42 | 23.69 | 21.29 | 23.44 |
| 102.5 | 50.29 | 52.30 | 52.93 | 47.01 | 41.18 | 36.15 | 32.10 | 28.71 | 25.92 | 28.41 |
| 105.0 | 62.95 | 62.96 | 61.88 | 55.56 | 48.94 | 42.98 | 38.02 | 33.81 | 30.55 | 33.44 |
| 107.5 | 75.23 | 73.34 | 70.59 | 64.27 | 57.65 | 51.73 | 47.00 | 43.09 | 40.23 | 42.92 |
| 110.0 | 87.04 | 83.40 | 79.24 | 72.92 | 66.32 | 60.46 | 55.98 | 52.37 | 49.90 | 52.39 |
| 112.5 | 98.32 | 93.10 | 87.83 | 81.53 | 74.94 | 69.19 | 64.96 | 61.65 | 59.58 | 61.85 |
| 115.0 | 108.3 | 102.4 | 96.38 | 90.09 | 83.49 | 77.91 | 73.95 | 70.93 | 69.26 | 71.31 |
| 117.5 | 117.5 | 111.7 | 105.3 | 98.61 | 92.00 | 86.62 | 82.94 | 80.22 | 78.93 | 80.76 |
| 120.0 | 126.8 | 121.1 | 115.0 | 108.6 | 101.7 | 96.06 | 92.26 | 89.60 | 88.61 | 90.33 |
| 122.5 | 136.2 | 130.6 | 124.9 | 118.6 | 112.2 | 106.9 | 103.4 | 101.2 | 100.8 | 102.9 |
| 125.0 | 145.7 | 140.2 | 134.7 | 128.7 | 122.8 | 117.8 | 114.6 | 112.8 | 112.9 | 115.5 |
| 127.5 | 155.1 | 150.0 | 144.6 | 138.9 | 133.4 | 128.8 | 125.8 | 124.4 | 125.1 | 128.0 |
| 130.0 | 163.3 | 159.5 | 154.5 | 149.1 | 144.1 | 139.8 | 137.1 | 136.1 | 137.2 | 140.5 |
| 132.5 | 171.8 | 168.2 | 163.9 | 159.4 | 154.7 | 150.9 | 148.4 | 147.8 | 149.4 | 153.0 |
| 135.0 | 180.6 | 177.1 | 173.0 | 169.0 | 165.0 | 161.8 | 159.8 | 159.5 | 161.5 | 165.4 |
| 137.5 | 189.6 | 186.2 | 182.4 | 178.8 | 175.2 | 172.7 | 171.0 | 171.1 | 173.5 | 177.7 |
| 140.0 | 198.9 | 195.4 | 192.1 | 188.9 | 185.8 | 183.5 | 182.2 | 182.7 | 185.5 | 190.0 |
| 142.5 | 208.3 | 205.0 | 201.9 | 199.2 | 196.6 | 194.4 | 193.6 | 194.4 | 197.5 | 202.2 |
| 145.0 | 216.0 | 214.7 | 212.1 | 209.4 | 207.3 | 205.4 | 205.0 | 206.1 | 209.6 | 214.4 |
| 147.5 | 223.7 | 222.3 | 221.2 | 220.2 | 218.2 | 216.5 | 216.5 | 218.0 | 221.6 | 226.5 |
| 150.0 | 231.5 | 230.1 | 228.7 | 227.9 | 226.9 | 226.6 | 227.5 | 229.7 | 233.6 | 238.4 |
| 152.5 | 239.4 | 237.7 | 236.3 | 235.3 | 234.4 | 234.4 | 235.4 | 237.7 | 241.5 | 246.1 |
| 155.0 | 247.1 | 245.2 | 244.0 | 242.7 | 242.1 | 242.4 | 243.3 | 245.8 | 249.3 | 253.7 |
| 157.5 | 254.4 | 252.8 | 251.2 | 250.3 | 249.9 | 250.3 | 251.3 | 253.8 | 257.2 | 261.3 |
| 160.0 | 261.8 | 260.0 | 258.7 | 258.0 | 257.9 | 258.3 | 259.4 | 261.8 | 265.1 | 269.0 |
| 162.5 | 266.9 | 266.7 | 266.5 | 265.9 | 266.0 | 266.4 | 267.6 | 269.9 | 273.0 | 276.6 |
| 165.0 | 271.4 | 271.2 | 271.3 | 271.8 | 272.5 | 273.4 | 275.5 | 277.8 | 280.9 | 284.1 |
| 167.5 | 275.6 | 275.3 | 275.4 | 275.7 | 275.4 | 276.5 | 278.5 | 280.3 | 282.7 | 285.3 |
| 170.0 | 279.3 | 279.1 | 279.0 | 277.9 | 278.4 | 279.9 | 281.5 | 282.8 | 284.6 | 286.5 |
| 172.5 | 282.1 | 280.7 | 280.3 | 281.0 | 282.2 | 283.4 | 284.3 | 285.3 | 286.5 | 287.7 |
| 175.0 | 283.4 | 283.9 | 284.6 | 285.4 | 286.0 | 286.5 | 287.1 | 287.7 | 288.4 | 289.1 |
| 177.5 | 288.6 | 288.7 | 288.9 | 289.1 | 289.3 | 289.5 | 289.7 | 290.0 | 290.2 | 290.5 |
| 180.0 | 292.1 | 292.1 | 292.1 | 292.1 | 292.1 | 292.1 | 292.1 | 292.1 | 292.1 | 292.1 |

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2024-01-09

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System: EVERFINE G0-2000B\_V1 SYSTEM V2.0.291  
Humidity: 65.0%  
Test Distance: 8.190m [K=1.0000]  
Remarks:

## Photometric Data Table [cd]

| G/C   | 100.0 | 105.0 | 110.0 | 115.0 | 120.0 | 125.0 | 130.0 | 135.0 | 140.0 | 145.0 |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0.0   | 1161  | 1161  | 1161  | 1161  | 1161  | 1161  | 1161  | 1161  | 1161  | 1161  |
| 2.5   | 1153  | 1153  | 1154  | 1154  | 1154  | 1154  | 1155  | 1155  | 1156  | 1156  |
| 5.0   | 1145  | 1145  | 1145  | 1146  | 1146  | 1147  | 1147  | 1148  | 1148  | 1149  |
| 7.5   | 1137  | 1137  | 1137  | 1137  | 1138  | 1138  | 1138  | 1139  | 1140  | 1140  |
| 10.0  | 1128  | 1128  | 1128  | 1128  | 1128  | 1128  | 1129  | 1129  | 1129  | 1130  |
| 12.5  | 1120  | 1120  | 1119  | 1119  | 1118  | 1118  | 1118  | 1117  | 1117  | 1117  |
| 15.0  | 1111  | 1111  | 1110  | 1109  | 1108  | 1107  | 1105  | 1104  | 1103  | 1103  |
| 17.5  | 1099  | 1099  | 1092  | 1093  | 1095  | 1095  | 1092  | 1090  | 1089  | 1087  |
| 20.0  | 1086  | 1067  | 1068  | 1069  | 1071  | 1073  | 1075  | 1075  | 1072  | 1069  |
| 22.5  | 1043  | 1043  | 1044  | 1045  | 1046  | 1047  | 1049  | 1051  | 1053  | 1048  |
| 25.0  | 1019  | 1020  | 1020  | 1020  | 1020  | 1021  | 1022  | 1022  | 1023  | 1025  |
| 27.5  | 995.9 | 995.9 | 995.7 | 995.2 | 994.8 | 994.0 | 991.7 | 989.5 | 988.9 | 991.3 |
| 30.0  | 972.5 | 972.1 | 971.4 | 970.2 | 968.7 | 965.0 | 959.8 | 954.8 | 952.1 | 956.0 |
| 32.5  | 939.2 | 940.9 | 942.7 | 945.0 | 941.5 | 934.5 | 925.4 | 916.6 | 916.5 | 920.2 |
| 35.0  | 904.3 | 905.7 | 906.8 | 905.4 | 903.9 | 901.7 | 887.3 | 880.3 | 880.3 | 875.1 |
| 37.5  | 869.4 | 870.5 | 869.9 | 862.8 | 855.9 | 848.2 | 844.5 | 845.1 | 832.7 | 811.8 |
| 40.0  | 834.4 | 835.1 | 830.6 | 816.9 | 804.3 | 788.4 | 788.1 | 796.8 | 763.4 | 741.1 |
| 42.5  | 799.5 | 799.8 | 789.4 | 769.1 | 748.7 | 728.3 | 727.8 | 719.5 | 685.2 | 660.0 |
| 45.0  | 764.5 | 764.4 | 746.2 | 719.9 | 688.2 | 667.7 | 664.2 | 641.8 | 609.6 | 569.5 |
| 47.5  | 722.6 | 720.7 | 699.0 | 668.8 | 626.9 | 604.7 | 598.5 | 573.9 | 540.6 | 516.6 |
| 50.0  | 679.0 | 669.3 | 648.6 | 616.8 | 570.4 | 540.8 | 535.3 | 513.6 | 484.3 | 474.7 |
| 52.5  | 635.2 | 617.6 | 599.7 | 565.9 | 522.8 | 493.3 | 477.9 | 461.8 | 441.9 | 434.9 |
| 55.0  | 590.9 | 566.6 | 551.9 | 515.8 | 477.5 | 453.0 | 433.5 | 418.0 | 401.4 | 392.7 |
| 57.5  | 546.0 | 517.1 | 504.8 | 466.8 | 434.5 | 411.9 | 391.3 | 375.6 | 361.0 | 350.9 |
| 60.0  | 500.7 | 468.8 | 458.7 | 420.9 | 393.3 | 370.7 | 350.8 | 335.3 | 321.6 | 310.9 |
| 62.5  | 453.3 | 425.8 | 413.3 | 376.5 | 353.4 | 330.5 | 311.6 | 296.9 | 284.6 | 274.6 |
| 65.0  | 405.6 | 385.0 | 368.4 | 334.9 | 312.8 | 291.7 | 273.5 | 260.4 | 249.6 | 240.6 |
| 67.5  | 358.0 | 344.0 | 323.7 | 293.8 | 272.9 | 254.6 | 237.9 | 225.7 | 216.5 | 208.7 |
| 70.0  | 311.4 | 302.6 | 279.5 | 253.0 | 234.3 | 218.4 | 204.5 | 193.6 | 185.2 | 179.2 |
| 72.5  | 265.7 | 260.6 | 235.7 | 212.8 | 196.8 | 183.5 | 172.3 | 162.8 | 155.5 | 154.0 |
| 75.0  | 220.7 | 218.5 | 192.3 | 173.0 | 160.2 | 149.8 | 141.0 | 132.8 | 127.5 | 130.5 |
| 77.5  | 183.7 | 180.9 | 156.5 | 138.7 | 126.6 | 117.0 | 110.5 | 103.6 | 101.1 | 106.9 |
| 80.0  | 147.5 | 144.8 | 124.9 | 110.7 | 101.1 | 92.96 | 85.65 | 77.54 | 76.07 | 83.07 |
| 82.5  | 111.2 | 109.0 | 93.75 | 83.11 | 75.87 | 69.73 | 64.15 | 57.93 | 57.32 | 61.28 |
| 85.0  | 74.95 | 73.34 | 62.91 | 55.79 | 50.97 | 46.83 | 43.06 | 38.86 | 38.98 | 41.63 |
| 87.5  | 38.70 | 37.83 | 32.30 | 28.68 | 26.26 | 24.16 | 22.24 | 20.14 | 20.53 | 21.91 |
| 90.0  | 2.455 | 2.386 | 1.811 | 1.662 | 1.643 | 1.601 | 1.564 | 1.607 | 2.012 | 2.166 |
| 92.5  | 8.435 | 9.111 | 9.795 | 10.80 | 11.66 | 11.40 | 10.31 | 9.113 | 7.713 | 6.604 |
| 95.0  | 14.40 | 15.82 | 17.76 | 19.92 | 21.68 | 21.22 | 19.16 | 16.72 | 13.57 | 11.17 |
| 97.5  | 20.34 | 22.51 | 25.67 | 28.99 | 31.70 | 31.09 | 28.18 | 24.52 | 19.78 | 15.98 |
| 100.0 | 26.23 | 29.16 | 33.49 | 38.00 | 41.72 | 41.02 | 37.47 | 32.62 | 27.43 | 26.47 |
| 102.5 | 32.07 | 35.77 | 41.19 | 46.91 | 51.74 | 51.13 | 48.67 | 46.10 | 44.84 | 42.54 |
| 105.0 | 38.20 | 43.05 | 49.87 | 56.78 | 62.20 | 62.98 | 62.61 | 61.52 | 62.30 | 59.22 |
| 107.5 | 48.06 | 53.32 | 60.56 | 67.53 | 72.54 | 74.72 | 76.21 | 76.74 | 79.23 | 76.74 |
| 110.0 | 57.89 | 63.52 | 71.13 | 78.30 | 82.80 | 86.32 | 89.28 | 91.68 | 95.67 | 92.87 |
| 112.5 | 67.68 | 73.70 | 81.58 | 89.14 | 93.02 | 97.77 | 101.8 | 106.0 | 108.0 | 107.5 |
| 115.0 | 77.44 | 83.83 | 91.90 | 99.83 | 103.2 | 108.9 | 113.6 | 118.1 | 119.9 | 121.3 |
| 117.5 | 87.16 | 93.86 | 102.0 | 110.5 | 114.7 | 121.5 | 125.5 | 130.4 | 132.1 | 133.7 |
| 120.0 | 97.22 | 104.7 | 113.4 | 123.0 | 128.1 | 134.7 | 137.8 | 142.6 | 144.9 | 146.4 |
| 122.5 | 109.5 | 117.1 | 125.6 | 135.4 | 141.6 | 148.1 | 150.7 | 154.7 | 158.0 | 159.1 |
| 125.0 | 121.9 | 129.4 | 137.9 | 147.7 | 154.9 | 161.3 | 164.5 | 166.9 | 170.4 | 172.2 |
| 127.5 | 134.2 | 141.7 | 150.1 | 159.8 | 167.8 | 174.4 | 179.1 | 180.0 | 182.7 | 185.1 |
| 130.0 | 146.5 | 153.9 | 162.1 | 171.8 | 180.3 | 187.0 | 192.6 | 194.4 | 196.4 | 197.6 |
| 132.5 | 158.7 | 166.0 | 174.0 | 183.7 | 191.9 | 198.6 | 205.0 | 208.9 | 211.6 | 211.6 |
| 135.0 | 171.1 | 178.2 | 186.0 | 195.1 | 203.0 | 210.0 | 216.7 | 222.5 | 226.8 | 228.4 |
| 137.5 | 183.6 | 190.7 | 198.1 | 206.6 | 214.1 | 221.1 | 228.0 | 234.8 | 240.7 | 242.8 |
| 140.0 | 196.1 | 203.0 | 210.4 | 218.2 | 225.4 | 232.2 | 239.1 | 246.3 | 250.9 | 254.0 |
| 142.5 | 208.4 | 215.1 | 222.6 | 229.9 | 236.8 | 243.2 | 249.9 | 255.2 | 259.4 | 263.5 |
| 145.0 | 220.6 | 227.2 | 234.7 | 241.8 | 248.3 | 254.2 | 258.5 | 262.9 | 267.5 | 271.9 |
| 147.5 | 232.7 | 239.1 | 246.7 | 253.6 | 258.1 | 262.4 | 266.4 | 270.7 | 275.2 | 279.9 |
| 150.0 | 244.0 | 249.5 | 255.3 | 260.8 | 265.7 | 270.1 | 274.4 | 278.5 | 282.9 | 287.5 |
| 152.5 | 251.3 | 256.8 | 261.9 | 267.6 | 272.6 | 277.5 | 282.0 | 286.4 | 290.6 | 295.2 |
| 155.0 | 258.6 | 263.8 | 268.6 | 274.0 | 279.2 | 284.3 | 289.1 | 293.7 | 298.2 | 302.5 |
| 157.5 | 265.9 | 270.6 | 275.3 | 280.1 | 285.3 | 290.2 | 295.4 | 300.3 | 304.8 | 305.2 |
| 160.0 | 273.1 | 277.4 | 282.0 | 286.2 | 291.0 | 295.8 | 300.6 | 304.1 | 308.4 | 306.4 |
| 162.5 | 280.4 | 284.1 | 288.3 | 292.4 | 296.4 | 299.4 | 301.4 | 303.1 | 304.6 | 306.0 |
| 165.0 | 286.8 | 289.4 | 291.9 | 294.4 | 296.3 | 298.0 | 299.9 | 301.7 | 303.2 | 304.6 |
| 167.5 | 287.3 | 289.5 | 291.4 | 293.3 | 295.2 | 296.8 | 298.2 | 299.6 | 301.1 | 302.5 |
| 170.0 | 288.0 | 289.6 | 291.1 | 292.5 | 293.8 | 295.3 | 296.6 | 297.8 | 298.8 | 299.7 |
| 172.5 | 288.9 | 289.9 | 291.0 | 292.1 | 293.0 | 293.9 | 294.8 | 295.6 | 296.5 | 297.3 |
| 175.0 | 289.8 | 290.5 | 291.1 | 291.7 | 292.4 | 293.0 | 293.6 | 294.1 | 294.7 | 295.1 |
| 177.5 | 290.8 | 291.2 | 291.5 | 291.8 | 292.1 | 292.4 | 292.6 | 292.9 | 293.1 | 293.4 |
| 180.0 | 292.1 | 292.1 | 292.1 | 292.1 | 292.1 | 292.1 | 292.1 | 292.1 | 292.1 | 292.1 |

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2024-01-09

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity: 65.0%  
 Test Distance: 8.190m [K=1.0000]  
 Remarks:

## Photometric Data Table [cd]

| G/C   | 150.0 | 155.0 | 160.0 | 165.0 | 170.0 | 175.0 | 180.0 | 185.0  | 190.0  | 195.0  |
|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| 0.0   | 1161  | 1161  | 1161  | 1161  | 1161  | 1161  | 1161  | 1161   | 1161   | 1161   |
| 2.5   | 1157  | 1157  | 1158  | 1159  | 1159  | 1160  | 1161  | 1160   | 1159   | 1159   |
| 5.0   | 1150  | 1151  | 1152  | 1153  | 1154  | 1156  | 1157  | 1156   | 1155   | 1153   |
| 7.5   | 1141  | 1142  | 1144  | 1145  | 1147  | 1149  | 1151  | 1149   | 1147   | 1146   |
| 10.0  | 1131  | 1132  | 1133  | 1135  | 1137  | 1139  | 1142  | 1139   | 1137   | 1135   |
| 12.5  | 1118  | 1119  | 1120  | 1122  | 1124  | 1127  | 1130  | 1127   | 1124   | 1122   |
| 15.0  | 1103  | 1103  | 1104  | 1106  | 1108  | 1111  | 1115  | 1111   | 1108   | 1106   |
| 17.5  | 1086  | 1086  | 1086  | 1087  | 1090  | 1093  | 1098  | 1093   | 1090   | 1088   |
| 20.0  | 1067  | 1065  | 1065  | 1066  | 1069  | 1073  | 1078  | 1073   | 1070   | 1068   |
| 22.5  | 1044  | 1042  | 1041  | 1042  | 1045  | 1049  | 1056  | 1050   | 1047   | 1045   |
| 25.0  | 1020  | 1017  | 1016  | 1017  | 1019  | 1024  | 1031  | 1025   | 1022   | 1020   |
| 27.5  | 995.4 | 991.8 | 989.9 | 989.9 | 992.1 | 996.9 | 1004  | 998.2  | 994.6  | 993.4  |
| 30.0  | 963.4 | 964.9 | 961.6 | 960.8 | 962.7 | 967.6 | 975.4 | 969.0  | 965.5  | 964.8  |
| 32.5  | 924.1 | 935.7 | 931.8 | 930.2 | 931.6 | 936.3 | 944.7 | 938.0  | 934.9  | 934.6  |
| 35.0  | 873.1 | 889.3 | 900.1 | 896.9 | 897.4 | 902.4 | 912.0 | 904.9  | 901.8  | 902.4  |
| 37.5  | 812.8 | 832.4 | 864.6 | 859.3 | 859.5 | 865.9 | 877.5 | 870.2  | 867.6  | 869.2  |
| 40.0  | 741.6 | 764.3 | 808.0 | 819.5 | 820.8 | 828.3 | 841.7 | 834.1  | 831.9  | 834.5  |
| 42.5  | 661.5 | 699.1 | 747.6 | 779.3 | 781.3 | 789.5 | 804.0 | 796.1  | 794.5  | 798.8  |
| 45.0  | 594.3 | 637.2 | 687.8 | 740.0 | 741.2 | 749.2 | 764.8 | 756.9  | 756.2  | 760.9  |
| 47.5  | 531.4 | 575.5 | 626.1 | 684.5 | 690.9 | 700.9 | 724.3 | 716.2  | 716.0  | 720.1  |
| 50.0  | 476.9 | 509.6 | 558.0 | 604.6 | 624.3 | 644.3 | 682.5 | 674.5  | 675.3  | 675.9  |
| 52.5  | 431.4 | 441.4 | 483.1 | 521.3 | 543.9 | 579.9 | 639.5 | 631.5  | 633.3  | 631.6  |
| 55.0  | 387.0 | 384.0 | 417.5 | 441.0 | 455.2 | 513.5 | 595.3 | 587.6  | 590.4  | 586.8  |
| 57.5  | 344.6 | 345.0 | 362.4 | 371.2 | 379.9 | 455.0 | 550.2 | 542.7  | 546.2  | 541.8  |
| 60.0  | 304.9 | 309.3 | 314.1 | 319.3 | 327.4 | 399.1 | 504.3 | 496.9  | 498.7  | 496.6  |
| 62.5  | 268.2 | 269.5 | 272.6 | 275.8 | 280.5 | 343.0 | 457.7 | 450.6  | 450.9  | 451.5  |
| 65.0  | 234.3 | 231.6 | 236.4 | 238.4 | 238.5 | 287.7 | 410.9 | 404.0  | 403.2  | 407.1  |
| 67.5  | 205.8 | 199.5 | 207.9 | 206.6 | 201.7 | 233.5 | 363.6 | 357.6  | 356.2  | 358.6  |
| 70.0  | 181.4 | 179.9 | 185.3 | 180.1 | 170.6 | 180.5 | 315.9 | 310.3  | 308.6  | 308.2  |
| 72.5  | 160.6 | 160.8 | 164.9 | 159.2 | 144.5 | 130.3 | 264.3 | 260.6  | 259.5  | 257.8  |
| 75.0  | 139.0 | 141.6 | 143.0 | 141.9 | 125.5 | 106.9 | 214.1 | 210.2  | 209.6  | 209.3  |
| 77.5  | 113.8 | 118.8 | 121.6 | 120.7 | 110.9 | 93.96 | 149.8 | 165.4  | 163.3  | 163.6  |
| 80.0  | 89.01 | 93.34 | 97.83 | 98.34 | 97.30 | 80.95 | 69.45 | 123.9  | 121.9  | 120.9  |
| 82.5  | 64.71 | 68.17 | 71.03 | 73.63 | 72.70 | 65.37 | 46.63 | 83.82  | 81.61  | 81.34  |
| 85.0  | 43.80 | 45.04 | 44.95 | 46.09 | 47.94 | 45.39 | 21.32 | 46.31  | 45.67  | 44.22  |
| 87.5  | 22.92 | 23.43 | 23.21 | 22.77 | 21.31 | 20.86 | 7.392 | 14.97  | 14.14  | 18.64  |
| 90.0  | 2.059 | 1.933 | 1.853 | 2.279 | 2.306 | 2.077 | 2.023 | 0.8310 | 0.8310 | 0.8870 |
| 92.5  | 5.440 | 4.069 | 2.718 | 2.465 | 2.106 | 2.200 | 1.200 | 0.6889 | 0.7615 | 1.052  |
| 95.0  | 8.967 | 6.425 | 3.775 | 5.131 | 4.335 | 4.453 | 1.909 | 2.218  | 3.286  | 3.465  |
| 97.5  | 12.77 | 12.63 | 11.99 | 12.04 | 11.63 | 13.36 | 6.769 | 7.796  | 8.712  | 9.492  |
| 100.0 | 26.34 | 24.67 | 21.95 | 21.65 | 21.61 | 22.37 | 12.16 | 12.92  | 15.08  | 16.26  |
| 102.5 | 41.53 | 37.94 | 35.24 | 34.71 | 33.93 | 32.55 | 31.54 | 18.79  | 21.64  | 24.62  |
| 105.0 | 57.93 | 53.93 | 52.40 | 50.64 | 49.73 | 46.89 | 47.48 | 27.18  | 30.02  | 34.55  |
| 107.5 | 74.99 | 72.45 | 71.45 | 69.24 | 69.43 | 66.38 | 68.16 | 40.79  | 41.89  | 45.43  |
| 110.0 | 91.27 | 92.67 | 90.33 | 89.37 | 88.60 | 86.96 | 89.25 | 58.94  | 55.03  | 57.67  |
| 112.5 | 106.4 | 111.7 | 107.3 | 111.4 | 108.0 | 107.4 | 113.3 | 80.68  | 70.74  | 71.03  |
| 115.0 | 121.2 | 123.8 | 123.1 | 125.8 | 123.4 | 123.6 | 129.4 | 98.34  | 84.36  | 81.19  |
| 117.5 | 134.7 | 135.4 | 136.4 | 136.0 | 134.9 | 134.6 | 139.8 | 112.5  | 96.87  | 93.11  |
| 120.0 | 147.3 | 148.2 | 149.7 | 148.3 | 147.6 | 146.5 | 151.8 | 127.7  | 111.5  | 106.9  |
| 122.5 | 160.3 | 161.4 | 162.7 | 161.9 | 162.3 | 160.2 | 164.9 | 143.6  | 127.6  | 122.8  |
| 125.0 | 173.9 | 175.5 | 175.4 | 175.9 | 177.0 | 174.6 | 178.2 | 160.1  | 148.4  | 143.6  |
| 127.5 | 187.9 | 189.5 | 189.2 | 190.3 | 190.5 | 188.8 | 192.3 | 179.5  | 172.9  | 167.8  |
| 130.0 | 201.6 | 202.8 | 203.5 | 205.5 | 204.6 | 203.6 | 207.1 | 198.8  | 195.3  | 191.7  |
| 132.5 | 213.2 | 215.4 | 217.7 | 220.6 | 218.8 | 218.1 | 221.1 | 216.0  | 215.0  | 217.2  |
| 135.0 | 225.9 | 226.8 | 230.3 | 234.2 | 232.0 | 231.5 | 233.5 | 231.8  | 233.7  | 237.2  |
| 137.5 | 241.8 | 241.1 | 242.5 | 244.0 | 243.4 | 244.0 | 245.7 | 244.8  | 245.7  | 248.2  |
| 140.0 | 256.7 | 257.9 | 259.4 | 256.0 | 253.6 | 254.1 | 256.7 | 255.8  | 256.5  | 258.4  |
| 142.5 | 267.5 | 271.8 | 275.4 | 271.3 | 268.0 | 266.7 | 267.4 | 266.3  | 266.5  | 267.7  |
| 145.0 | 276.6 | 281.7 | 284.2 | 283.6 | 282.9 | 282.5 | 276.9 | 275.6  | 275.4  | 275.9  |
| 147.5 | 284.7 | 289.9 | 290.1 | 290.5 | 291.4 | 292.8 | 285.5 | 283.7  | 282.6  | 281.9  |
| 150.0 | 292.5 | 294.9 | 295.2 | 295.9 | 296.9 | 298.5 | 289.6 | 287.9  | 286.7  | 285.9  |
| 152.5 | 298.9 | 299.3 | 300.0 | 300.9 | 302.0 | 303.5 | 293.9 | 292.4  | 291.3  | 290.6  |
| 155.0 | 302.7 | 303.0 | 303.7 | 304.8 | 306.0 | 307.6 | 298.7 | 297.2  | 296.1  | 295.3  |
| 157.5 | 305.5 | 306.0 | 306.8 | 307.8 | 309.1 | 310.5 | 303.8 | 302.1  | 300.7  | 299.3  |
| 160.0 | 307.1 | 307.9 | 308.7 | 309.6 | 310.5 | 311.6 | 305.7 | 304.1  | 302.4  | 300.9  |
| 162.5 | 307.2 | 308.2 | 309.0 | 309.9 | 310.7 | 311.6 | 301.8 | 301.1  | 300.2  | 299.3  |
| 165.0 | 305.7 | 306.9 | 307.9 | 308.8 | 309.6 | 310.4 | 295.6 | 295.7  | 295.7  | 295.4  |
| 167.5 | 303.7 | 304.8 | 305.7 | 306.5 | 307.2 | 307.8 | 292.4 | 292.1  | 291.8  | 291.2  |
| 170.0 | 300.7 | 301.6 | 302.4 | 303.2 | 303.8 | 304.3 | 292.2 | 291.8  | 291.5  | 291.2  |
| 172.5 | 298.0 | 298.7 | 299.3 | 299.7 | 300.1 | 300.5 | 292.1 | 291.7  | 291.3  | 290.8  |
| 175.0 | 295.5 | 295.9 | 296.3 | 296.6 | 296.8 | 297.1 | 291.8 | 291.6  | 291.4  | 291.2  |
| 177.5 | 293.6 | 293.9 | 294.1 | 294.3 | 294.5 | 294.6 | 292.6 | 292.5  | 292.4  | 292.3  |
| 180.0 | 292.1 | 292.1 | 292.1 | 292.1 | 292.1 | 292.1 | 293.5 | 293.5  | 293.5  | 293.5  |

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2024-01-09

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity: 65.0%  
 Test Distance: 8.190m [K=1.0000]  
 Remarks:

## Photometric Data Table [cd]

| G/C   | 200.0  | 205.0  | 210.0  | 215.0  | 220.0  | 225.0  | 230.0  | 235.0  | 240.0  | 245.0  |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0.0   | 1161   | 1161   | 1161   | 1161   | 1161   | 1161   | 1161   | 1161   | 1161   | 1161   |
| 2.5   | 1158   | 1158   | 1157   | 1156   | 1156   | 1156   | 1155   | 1155   | 1155   | 1154   |
| 5.0   | 1152   | 1151   | 1150   | 1150   | 1149   | 1148   | 1148   | 1147   | 1147   | 1147   |
| 7.5   | 1144   | 1143   | 1142   | 1141   | 1140   | 1140   | 1139   | 1139   | 1139   | 1139   |
| 10.0  | 1133   | 1132   | 1131   | 1131   | 1130   | 1130   | 1130   | 1130   | 1130   | 1130   |
| 12.5  | 1120   | 1119   | 1118   | 1118   | 1118   | 1119   | 1119   | 1120   | 1120   | 1121   |
| 15.0  | 1105   | 1104   | 1104   | 1104   | 1105   | 1106   | 1107   | 1109   | 1110   | 1111   |
| 17.5  | 1087   | 1086   | 1087   | 1088   | 1090   | 1092   | 1094   | 1097   | 1097   | 1096   |
| 20.0  | 1067   | 1067   | 1068   | 1070   | 1073   | 1077   | 1077   | 1074   | 1073   | 1071   |
| 22.5  | 1045   | 1046   | 1048   | 1051   | 1056   | 1053   | 1050   | 1049   | 1048   | 1047   |
| 25.0  | 1021   | 1023   | 1026   | 1031   | 1027   | 1025   | 1023   | 1023   | 1022   | 1022   |
| 27.5  | 994.6  | 997.8  | 1003   | 1001   | 997.8  | 996.1  | 995.7  | 995.6  | 996.2  | 997.0  |
| 30.0  | 967.0  | 971.5  | 972.3  | 968.8  | 967.2  | 966.8  | 967.3  | 968.5  | 970.0  | 971.8  |
| 32.5  | 937.9  | 943.1  | 938.7  | 936.3  | 935.8  | 936.7  | 938.5  | 941.1  | 943.6  | 946.4  |
| 35.0  | 907.0  | 907.6  | 904.3  | 903.1  | 903.9  | 906.2  | 909.4  | 913.2  | 911.3  | 909.6  |
| 37.5  | 875.2  | 870.6  | 868.9  | 869.2  | 871.5  | 875.4  | 878.0  | 875.4  | 873.7  | 872.6  |
| 40.0  | 837.6  | 833.2  | 832.4  | 834.8  | 838.7  | 841.2  | 838.3  | 836.6  | 835.8  | 835.6  |
| 42.5  | 797.8  | 794.8  | 795.7  | 799.6  | 803.5  | 800.1  | 798.3  | 797.7  | 798.0  | 798.6  |
| 45.0  | 756.9  | 755.8  | 758.6  | 764.3  | 760.8  | 758.7  | 758.2  | 758.9  | 760.2  | 761.6  |
| 47.5  | 715.8  | 716.1  | 721.0  | 720.7  | 718.0  | 717.4  | 718.2  | 720.1  | 722.3  | 724.6  |
| 50.0  | 673.7  | 676.3  | 680.2  | 676.3  | 675.2  | 676.0  | 678.3  | 681.2  | 681.6  | 680.4  |
| 52.5  | 630.9  | 636.1  | 634.1  | 631.9  | 632.4  | 634.9  | 638.5  | 636.6  | 635.6  | 635.0  |
| 55.0  | 588.3  | 592.0  | 588.0  | 587.7  | 590.1  | 593.3  | 591.4  | 590.2  | 589.9  | 589.9  |
| 57.5  | 545.6  | 544.2  | 542.3  | 543.8  | 547.2  | 545.1  | 544.2  | 544.2  | 544.4  | 544.9  |
| 60.0  | 501.2  | 496.6  | 496.8  | 500.4  | 498.5  | 497.7  | 497.6  | 498.2  | 499.1  | 500.0  |
| 62.5  | 451.8  | 449.5  | 452.2  | 451.6  | 450.5  | 450.7  | 451.4  | 452.6  | 454.0  | 455.1  |
| 65.0  | 403.1  | 403.4  | 404.3  | 403.0  | 403.1  | 404.1  | 405.6  | 406.9  | 406.6  | 406.2  |
| 67.5  | 355.5  | 357.3  | 354.8  | 355.7  | 356.6  | 358.2  | 358.2  | 358.2  | 357.9  | 357.5  |
| 70.0  | 308.7  | 306.8  | 306.3  | 309.3  | 310.3  | 309.2  | 309.4  | 309.8  | 309.5  | 309.0  |
| 72.5  | 259.2  | 257.0  | 258.6  | 261.3  | 261.2  | 260.4  | 261.1  | 261.9  | 261.5  | 260.8  |
| 75.0  | 209.5  | 209.1  | 211.2  | 212.2  | 212.4  | 212.2  | 213.0  | 214.3  | 213.7  | 212.7  |
| 77.5  | 162.9  | 163.3  | 164.6  | 164.8  | 164.2  | 164.5  | 165.3  | 166.9  | 169.1  | 171.0  |
| 80.0  | 120.2  | 120.4  | 120.0  | 118.8  | 116.6  | 122.0  | 127.4  | 132.7  | 135.2  | 136.8  |
| 82.5  | 80.17  | 79.00  | 77.83  | 82.11  | 85.65  | 91.24  | 95.34  | 99.49  | 101.5  | 102.8  |
| 85.0  | 43.46  | 47.96  | 51.63  | 54.68  | 57.03  | 60.93  | 63.66  | 66.50  | 67.92  | 68.78  |
| 87.5  | 21.79  | 24.20  | 26.12  | 27.70  | 28.89  | 30.88  | 32.23  | 33.68  | 34.40  | 34.84  |
| 90.0  | 0.9917 | 0.9243 | 0.9664 | 0.9664 | 0.9804 | 0.9805 | 0.9384 | 0.9291 | 0.9151 | 0.9151 |
| 92.5  | 2.041  | 3.242  | 4.134  | 4.849  | 5.516  | 6.757  | 8.054  | 9.019  | 9.523  | 9.193  |
| 95.0  | 3.437  | 5.716  | 7.406  | 8.818  | 10.13  | 12.65  | 15.23  | 17.15  | 18.13  | 17.46  |
| 97.5  | 9.887  | 10.68  | 10.88  | 12.96  | 14.91  | 18.76  | 22.52  | 25.38  | 26.74  | 25.71  |
| 100.0 | 17.39  | 19.26  | 20.45  | 20.36  | 20.53  | 25.22  | 29.98  | 33.74  | 35.36  | 33.94  |
| 102.5 | 26.39  | 28.66  | 30.85  | 30.96  | 32.50  | 35.05  | 38.59  | 42.32  | 43.98  | 42.13  |
| 105.0 | 37.39  | 39.22  | 41.54  | 42.20  | 44.45  | 46.19  | 48.99  | 52.08  | 53.30  | 51.20  |
| 107.5 | 48.78  | 50.06  | 52.01  | 54.37  | 56.32  | 57.28  | 59.38  | 61.89  | 62.84  | 61.02  |
| 110.0 | 59.99  | 61.58  | 61.90  | 65.83  | 67.93  | 68.31  | 69.68  | 71.78  | 72.46  | 70.78  |
| 112.5 | 70.11  | 72.29  | 72.02  | 75.91  | 77.91  | 79.29  | 80.01  | 81.77  | 82.03  | 80.49  |
| 115.0 | 80.92  | 81.90  | 82.98  | 85.84  | 88.14  | 90.03  | 90.80  | 91.75  | 91.68  | 90.32  |
| 117.5 | 91.86  | 92.64  | 94.07  | 96.37  | 99.16  | 101.4  | 102.4  | 103.6  | 102.1  | 100.2  |
| 120.0 | 104.1  | 104.7  | 106.3  | 107.9  | 110.7  | 113.4  | 114.2  | 116.1  | 113.8  | 112.2  |
| 122.5 | 119.1  | 118.3  | 119.9  | 121.3  | 123.1  | 125.7  | 126.5  | 128.6  | 125.8  | 124.3  |
| 125.0 | 138.3  | 133.3  | 134.6  | 135.6  | 136.4  | 138.1  | 139.3  | 140.2  | 138.2  | 137.1  |
| 127.5 | 159.4  | 151.8  | 149.0  | 149.7  | 148.5  | 150.9  | 153.4  | 151.0  | 151.3  | 148.4  |
| 130.0 | 182.2  | 172.2  | 165.5  | 162.5  | 159.9  | 164.5  | 168.5  | 163.7  | 164.2  | 158.4  |
| 132.5 | 205.2  | 192.9  | 181.4  | 172.4  | 176.6  | 179.6  | 185.1  | 180.4  | 177.4  | 169.2  |
| 135.0 | 223.9  | 210.4  | 196.7  | 186.8  | 192.5  | 196.8  | 203.2  | 196.6  | 191.2  | 182.0  |
| 137.5 | 240.6  | 226.0  | 212.8  | 210.6  | 209.4  | 219.0  | 218.7  | 212.0  | 204.9  | 196.7  |
| 140.0 | 256.1  | 242.0  | 234.2  | 227.8  | 230.0  | 243.2  | 233.4  | 225.4  | 217.5  | 212.2  |
| 142.5 | 269.6  | 258.9  | 249.5  | 245.0  | 252.0  | 252.6  | 246.9  | 238.4  | 230.5  | 226.1  |
| 145.0 | 276.5  | 271.6  | 263.4  | 263.2  | 263.0  | 258.0  | 254.6  | 251.0  | 243.2  | 237.4  |
| 147.5 | 281.4  | 281.1  | 276.2  | 273.4  | 269.5  | 265.3  | 261.3  | 258.0  | 252.8  | 249.1  |
| 150.0 | 285.6  | 285.7  | 284.1  | 280.1  | 275.9  | 271.7  | 268.4  | 264.8  | 259.9  | 255.3  |
| 152.5 | 290.3  | 290.1  | 289.9  | 286.4  | 282.1  | 278.7  | 275.8  | 271.8  | 265.9  | 257.6  |
| 155.0 | 294.6  | 294.0  | 293.1  | 292.3  | 289.0  | 286.4  | 283.1  | 277.8  | 270.0  | 261.6  |
| 157.5 | 298.1  | 296.8  | 295.9  | 295.8  | 297.0  | 294.1  | 288.7  | 279.9  | 272.1  | 268.9  |
| 160.0 | 299.5  | 298.5  | 298.1  | 298.1  | 298.3  | 296.6  | 288.7  | 281.6  | 278.6  | 275.7  |
| 162.5 | 298.5  | 298.0  | 297.5  | 296.3  | 293.1  | 289.1  | 286.3  | 286.8  | 285.3  | 279.7  |
| 165.0 | 295.0  | 293.8  | 291.9  | 290.0  | 288.4  | 287.7  | 287.9  | 287.0  | 284.0  | 281.8  |
| 167.5 | 290.7  | 290.0  | 289.5  | 289.4  | 289.2  | 288.7  | 287.3  | 285.1  | 283.9  | 284.6  |
| 170.0 | 290.9  | 290.6  | 290.0  | 289.4  | 288.4  | 287.1  | 286.3  | 286.1  | 286.6  | 287.9  |
| 172.5 | 290.3  | 289.8  | 289.3  | 288.7  | 288.5  | 288.4  | 288.6  | 289.2  | 289.5  | 289.4  |
| 175.0 | 291.1  | 291.0  | 291.0  | 291.0  | 291.0  | 290.9  | 290.8  | 290.6  | 290.5  | 290.3  |
| 177.5 | 292.2  | 292.1  | 292.1  | 292.0  | 291.8  | 291.6  | 291.4  | 291.2  | 291.0  | 290.7  |
| 180.0 | 293.5  | 293.5  | 293.5  | 293.5  | 293.5  | 293.5  | 293.5  | 293.5  | 293.5  | 293.5  |

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2024-01-09

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System: EVERFINE G0-2000B\_V1 SYSTEM V2.0.291  
Humidity: 65.0%  
Test Distance: 8.190m [K=1.0000]  
Remarks:

## Photometric Data Table [cd]

| G/C   | 250.0  | 255.0  | 260.0  | 265.0  | 270.0  | 275.0  | 280.0  | 285.0 | 290.0 | 295.0 |
|-------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|
| 0.0   | 1161   | 1161   | 1161   | 1161   | 1161   | 1161   | 1161   | 1161  | 1161  | 1161  |
| 2.5   | 1154   | 1154   | 1154   | 1154   | 1154   | 1154   | 1153   | 1154  | 1154  | 1154  |
| 5.0   | 1146   | 1146   | 1146   | 1146   | 1146   | 1146   | 1146   | 1145  | 1145  | 1146  |
| 7.5   | 1138   | 1138   | 1138   | 1138   | 1138   | 1138   | 1137   | 1137  | 1137  | 1137  |
| 10.0  | 1130   | 1130   | 1130   | 1130   | 1130   | 1130   | 1129   | 1129  | 1128  | 1128  |
| 12.5  | 1121   | 1122   | 1122   | 1122   | 1122   | 1122   | 1121   | 1120  | 1119  | 1119  |
| 15.0  | 1112   | 1113   | 1114   | 1114   | 1114   | 1114   | 1113   | 1112  | 1110  | 1109  |
| 17.5  | 1094   | 1093   | 1092   | 1091   | 1091   | 1091   | 1091   | 1091  | 1092  | 1093  |
| 20.0  | 1079   | 1069   | 1069   | 1068   | 1068   | 1067   | 1067   | 1067  | 1068  | 1068  |
| 22.5  | 1046   | 1046   | 1045   | 1045   | 1045   | 1044   | 1044   | 1043  | 1043  | 1043  |
| 25.0  | 1022   | 1022   | 1022   | 1022   | 1021   | 1021   | 1020   | 1020  | 1019  | 1018  |
| 27.5  | 997.9  | 998.4  | 998.6  | 998.6  | 998.3  | 997.6  | 996.7  | 995.5 | 994.1 | 992.5 |
| 30.0  | 973.4  | 974.5  | 975.3  | 975.4  | 975.1  | 974.3  | 973.2  | 971.3 | 969.2 | 966.9 |
| 32.5  | 944.5  | 943.1  | 941.8  | 940.8  | 940.1  | 939.7  | 939.6  | 939.7 | 940.1 | 941.1 |
| 35.0  | 908.3  | 907.4  | 906.5  | 905.7  | 905.0  | 904.6  | 904.3  | 904.0 | 904.0 | 904.3 |
| 37.5  | 872.2  | 871.8  | 871.2  | 870.7  | 870.0  | 869.5  | 869.0  | 868.5 | 867.9 | 867.5 |
| 40.0  | 835.8  | 836.0  | 835.9  | 835.5  | 835.0  | 834.4  | 833.7  | 832.7 | 831.6 | 830.6 |
| 42.5  | 799.4  | 800.2  | 800.7  | 800.4  | 799.9  | 799.3  | 798.4  | 797.1 | 795.4 | 793.8 |
| 45.0  | 763.1  | 764.4  | 765.4  | 765.3  | 764.9  | 764.2  | 763.2  | 761.5 | 759.3 | 756.9 |
| 47.5  | 724.4  | 723.3  | 722.8  | 721.7  | 720.9  | 720.6  | 720.5  | 720.6 | 720.6 | 720.2 |
| 50.0  | 679.6  | 679.0  | 678.6  | 677.8  | 677.0  | 676.6  | 676.2  | 676.0 | 675.7 | 675.6 |
| 52.5  | 634.8  | 634.7  | 634.5  | 633.8  | 633.0  | 632.6  | 632.0  | 631.4 | 630.8 | 630.2 |
| 55.0  | 590.1  | 590.3  | 590.3  | 589.8  | 589.0  | 588.6  | 587.8  | 586.9 | 585.9 | 584.8 |
| 57.5  | 545.4  | 545.9  | 546.2  | 545.8  | 545.1  | 544.6  | 543.7  | 542.5 | 541.1 | 539.4 |
| 60.0  | 500.9  | 501.7  | 502.1  | 501.8  | 501.1  | 500.6  | 499.5  | 498.1 | 496.4 | 494.3 |
| 62.5  | 454.7  | 454.4  | 454.0  | 453.3  | 452.4  | 452.1  | 451.6  | 450.9 | 450.1 | 449.2 |
| 65.0  | 405.9  | 405.6  | 405.3  | 404.7  | 403.8  | 403.4  | 402.9  | 402.2 | 401.3 | 400.5 |
| 67.5  | 357.2  | 356.9  | 356.5  | 356.0  | 355.1  | 354.8  | 354.3  | 353.6 | 352.8 | 352.1 |
| 70.0  | 308.6  | 308.2  | 307.8  | 307.3  | 306.5  | 306.1  | 305.7  | 305.1 | 304.5 | 303.9 |
| 72.5  | 260.2  | 259.6  | 259.1  | 258.6  | 257.8  | 257.5  | 257.1  | 256.6 | 256.2 | 255.9 |
| 75.0  | 211.8  | 211.1  | 210.4  | 209.9  | 209.1  | 208.9  | 208.6  | 208.3 | 208.1 | 208.1 |
| 77.5  | 172.5  | 173.7  | 174.4  | 174.8  | 174.4  | 174.0  | 172.9  | 171.3 | 169.4 | 167.0 |
| 80.0  | 138.1  | 139.1  | 139.7  | 140.0  | 139.7  | 139.3  | 138.5  | 137.2 | 135.6 | 133.7 |
| 82.5  | 103.8  | 104.5  | 105.0  | 105.2  | 105.0  | 104.7  | 104.1  | 103.1 | 102.0 | 100.5 |
| 85.0  | 69.45  | 69.98  | 70.28  | 70.44  | 70.26  | 70.09  | 69.71  | 69.10 | 68.36 | 67.43 |
| 87.5  | 35.17  | 35.44  | 35.58  | 35.65  | 35.55  | 35.47  | 35.33  | 35.08 | 34.80 | 34.40 |
| 90.0  | 0.9058 | 0.9011 | 0.8870 | 0.8683 | 0.8310 | 0.8495 | 0.9569 | 1.083 | 1.256 | 1.405 |
| 92.5  | 8.779  | 8.482  | 7.451  | 6.106  | 6.275  | 6.668  | 7.396  | 8.333 | 9.540 | 10.84 |
| 95.0  | 16.64  | 16.04  | 14.00  | 11.34  | 11.72  | 12.48  | 13.83  | 15.57 | 17.80 | 20.25 |
| 97.5  | 24.50  | 23.57  | 20.52  | 16.57  | 17.16  | 18.30  | 20.24  | 22.77 | 26.01 | 29.59 |
| 100.0 | 32.32  | 31.04  | 27.00  | 21.79  | 22.61  | 24.10  | 26.63  | 29.93 | 34.14 | 38.83 |
| 102.5 | 40.12  | 38.44  | 33.43  | 26.99  | 28.05  | 29.89  | 32.99  | 37.02 | 42.16 | 47.95 |
| 105.0 | 48.74  | 46.10  | 40.03  | 32.26  | 33.49  | 35.76  | 39.58  | 44.50 | 50.55 | 57.06 |
| 107.5 | 58.99  | 55.15  | 49.23  | 41.55  | 43.52  | 45.53  | 49.06  | 53.78 | 59.75 | 66.22 |
| 110.0 | 69.24  | 64.11  | 58.45  | 50.93  | 53.56  | 55.31  | 58.53  | 63.03 | 68.91 | 75.34 |
| 112.5 | 79.45  | 73.03  | 67.70  | 60.44  | 63.59  | 65.09  | 68.00  | 72.29 | 78.01 | 84.43 |
| 115.0 | 89.63  | 81.96  | 76.98  | 70.08  | 73.62  | 74.89  | 77.48  | 81.54 | 87.07 | 93.45 |
| 117.5 | 99.66  | 90.87  | 86.29  | 79.89  | 83.65  | 84.69  | 86.96  | 90.78 | 96.10 | 102.4 |
| 120.0 | 110.0  | 101.2  | 96.20  | 90.00  | 93.68  | 94.56  | 96.73  | 100.6 | 106.1 | 112.7 |
| 122.5 | 120.4  | 114.2  | 108.0  | 103.2  | 105.7  | 105.8  | 108.1  | 111.7 | 116.9 | 123.0 |
| 125.0 | 131.8  | 127.2  | 121.1  | 116.2  | 117.7  | 117.1  | 119.6  | 122.8 | 127.7 | 133.4 |
| 127.5 | 145.0  | 140.1  | 133.0  | 128.9  | 129.7  | 128.3  | 131.0  | 134.0 | 138.6 | 143.8 |
| 130.0 | 160.2  | 153.1  | 144.5  | 141.5  | 141.8  | 139.5  | 142.5  | 145.2 | 149.5 | 154.4 |
| 132.5 | 174.4  | 166.1  | 155.8  | 154.0  | 153.8  | 150.8  | 154.0  | 156.5 | 160.5 | 165.0 |
| 135.0 | 186.5  | 178.3  | 167.0  | 166.4  | 165.8  | 162.1  | 165.3  | 167.7 | 171.1 | 175.0 |
| 137.5 | 197.8  | 188.4  | 179.8  | 178.1  | 176.4  | 173.3  | 175.5  | 178.5 | 181.6 | 185.3 |
| 140.0 | 209.3  | 199.2  | 192.1  | 189.6  | 186.9  | 184.6  | 185.7  | 189.2 | 192.3 | 195.7 |
| 142.5 | 220.8  | 210.2  | 203.4  | 200.8  | 197.5  | 196.0  | 196.0  | 199.6 | 203.2 | 206.3 |
| 145.0 | 229.2  | 221.4  | 214.8  | 210.5  | 208.0  | 207.6  | 206.3  | 208.0 | 213.9 | 216.7 |
| 147.5 | 236.9  | 233.8  | 226.4  | 219.2  | 218.6  | 219.2  | 216.9  | 215.2 | 224.6 | 227.5 |
| 150.0 | 243.1  | 242.4  | 237.7  | 227.5  | 229.2  | 230.6  | 226.9  | 226.0 | 232.7 | 234.6 |
| 152.5 | 251.5  | 247.6  | 246.3  | 234.7  | 236.0  | 236.9  | 232.6  | 235.1 | 239.3 | 241.4 |
| 155.0 | 259.7  | 252.9  | 254.9  | 242.8  | 242.9  | 243.0  | 238.0  | 241.8 | 244.0 | 248.3 |
| 157.5 | 265.2  | 260.3  | 262.8  | 251.9  | 249.8  | 249.0  | 244.0  | 246.5 | 251.8 | 255.5 |
| 160.0 | 269.8  | 269.1  | 270.2  | 261.4  | 256.7  | 254.5  | 251.9  | 248.4 | 259.1 | 261.7 |
| 162.5 | 276.2  | 278.3  | 278.0  | 270.7  | 263.6  | 259.9  | 260.8  | 253.0 | 262.2 | 269.4 |
| 165.0 | 283.1  | 285.9  | 285.3  | 279.6  | 270.5  | 264.9  | 266.8  | 259.4 | 259.6 | 270.7 |
| 167.5 | 286.6  | 287.0  | 286.1  | 280.6  | 274.3  | 269.3  | 271.2  | 269.7 | 264.3 | 267.1 |
| 170.0 | 288.2  | 287.8  | 286.1  | 282.1  | 278.2  | 274.6  | 275.3  | 275.8 | 273.5 | 270.5 |
| 172.5 | 289.1  | 288.5  | 286.3  | 284.1  | 282.0  | 280.0  | 279.4  | 280.3 | 280.4 | 279.8 |
| 175.0 | 289.6  | 288.6  | 287.7  | 286.7  | 285.8  | 285.0  | 284.2  | 284.3 | 284.8 | 285.2 |
| 177.5 | 290.5  | 290.3  | 290.1  | 289.9  | 289.7  | 289.5  | 289.3  | 289.2 | 289.2 | 289.2 |
| 180.0 | 293.5  | 293.5  | 293.5  | 293.5  | 293.5  | 293.5  | 293.5  | 293.5 | 293.5 | 293.5 |

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2024-01-09

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
Humidity: 65.0%  
Test Distance: 8.190m [K=1.0000]  
Remarks:

## Photometric Data Table [cd]

| G/C   | 300.0 | 305.0 | 310.0 | 315.0 | 320.0 | 325.0 | 330.0 | 335.0 | 340.0 | 345.0 |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0.0   | 1161  | 1161  | 1161  | 1161  | 1161  | 1161  | 1161  | 1161  | 1161  | 1161  |
| 2.5   | 1154  | 1154  | 1154  | 1155  | 1155  | 1155  | 1156  | 1156  | 1157  | 1157  |
| 5.0   | 1146  | 1146  | 1146  | 1147  | 1147  | 1148  | 1148  | 1149  | 1150  | 1151  |
| 7.5   | 1137  | 1137  | 1137  | 1137  | 1138  | 1138  | 1139  | 1139  | 1140  | 1142  |
| 10.0  | 1128  | 1127  | 1127  | 1126  | 1126  | 1126  | 1127  | 1128  | 1128  | 1130  |
| 12.5  | 1118  | 1116  | 1115  | 1114  | 1114  | 1113  | 1113  | 1114  | 1114  | 1116  |
| 15.0  | 1107  | 1105  | 1103  | 1101  | 1100  | 1098  | 1098  | 1097  | 1098  | 1099  |
| 17.5  | 1094  | 1093  | 1090  | 1087  | 1084  | 1082  | 1080  | 1079  | 1079  | 1080  |
| 20.0  | 1069  | 1070  | 1072  | 1072  | 1067  | 1064  | 1061  | 1059  | 1058  | 1058  |
| 22.5  | 1044  | 1044  | 1045  | 1047  | 1049  | 1045  | 1041  | 1037  | 1036  | 1035  |
| 25.0  | 1017  | 1017  | 1018  | 1019  | 1021  | 1024  | 1018  | 1014  | 1011  | 1010  |
| 27.5  | 991.1 | 989.9 | 989.3 | 989.4 | 990.6 | 992.7 | 994.7 | 989.0 | 984.6 | 982.5 |
| 30.0  | 964.5 | 962.3 | 960.4 | 959.4 | 959.2 | 960.7 | 963.9 | 962.5 | 956.4 | 953.5 |
| 32.5  | 937.6 | 934.3 | 931.2 | 928.7 | 927.5 | 927.6 | 929.5 | 934.4 | 927.2 | 922.5 |
| 35.0  | 905.2 | 906.1 | 901.5 | 897.8 | 895.1 | 893.6 | 894.7 | 897.5 | 896.1 | 890.4 |
| 37.5  | 867.5 | 868.2 | 869.8 | 866.5 | 862.0 | 859.3 | 858.4 | 860.3 | 864.4 | 856.5 |
| 40.0  | 829.8 | 829.5 | 830.1 | 831.9 | 828.6 | 824.0 | 821.7 | 822.0 | 826.0 | 821.6 |
| 42.5  | 792.2 | 790.8 | 790.2 | 790.6 | 793.0 | 788.4 | 784.2 | 782.8 | 785.5 | 785.2 |
| 45.0  | 754.5 | 752.0 | 750.2 | 749.6 | 750.2 | 752.6 | 746.2 | 743.0 | 744.0 | 748.0 |
| 47.5  | 716.8 | 713.5 | 710.2 | 708.1 | 707.6 | 708.9 | 708.0 | 702.8 | 702.0 | 706.6 |
| 50.0  | 676.1 | 674.5 | 670.6 | 666.9 | 664.8 | 664.7 | 666.8 | 662.2 | 659.3 | 662.4 |
| 52.5  | 629.9 | 630.0 | 630.8 | 626.4 | 622.3 | 620.2 | 620.7 | 621.3 | 616.3 | 617.2 |
| 55.0  | 583.8 | 583.1 | 583.5 | 584.7 | 580.4 | 576.4 | 575.0 | 577.2 | 572.9 | 571.9 |
| 57.5  | 538.0 | 536.7 | 535.9 | 536.2 | 537.7 | 532.8 | 529.5 | 529.4 | 529.6 | 526.1 |
| 60.0  | 492.3 | 490.6 | 489.2 | 488.3 | 488.7 | 490.1 | 484.7 | 482.4 | 484.8 | 480.2 |
| 62.5  | 447.0 | 444.6 | 442.7 | 441.1 | 440.3 | 440.9 | 440.6 | 436.3 | 436.0 | 434.5 |
| 65.0  | 399.7 | 398.7 | 396.5 | 394.3 | 392.7 | 392.3 | 393.2 | 391.2 | 388.3 | 389.5 |
| 67.5  | 351.3 | 350.4 | 349.5 | 348.2 | 346.1 | 344.6 | 344.4 | 346.1 | 342.0 | 341.9 |
| 70.0  | 303.3 | 302.6 | 301.8 | 301.0 | 299.9 | 298.1 | 297.0 | 297.3 | 296.4 | 293.6 |
| 72.5  | 255.6 | 255.2 | 254.7 | 254.2 | 253.3 | 252.4 | 251.1 | 250.3 | 249.8 | 247.8 |
| 75.0  | 208.2 | 208.3 | 208.3 | 208.1 | 207.8 | 207.1 | 206.3 | 205.1 | 203.8 | 204.5 |
| 77.5  | 164.2 | 161.7 | 162.4 | 162.9 | 163.2 | 163.1 | 162.7 | 162.1 | 160.1 | 160.2 |
| 80.0  | 131.4 | 128.8 | 125.7 | 122.2 | 119.3 | 120.2 | 120.6 | 120.5 | 119.0 | 118.3 |
| 82.5  | 98.79 | 96.76 | 94.39 | 91.64 | 88.44 | 84.78 | 80.34 | 80.61 | 80.50 | 79.93 |
| 85.0  | 66.29 | 64.93 | 63.33 | 61.47 | 59.27 | 56.74 | 53.64 | 49.91 | 45.22 | 44.69 |
| 87.5  | 33.87 | 33.23 | 32.45 | 31.54 | 30.44 | 29.18 | 27.59 | 25.67 | 23.18 | 19.85 |
| 90.0  | 1.494 | 1.592 | 1.671 | 1.732 | 1.783 | 1.863 | 1.881 | 1.951 | 1.951 | 1.984 |
| 92.5  | 12.09 | 11.71 | 10.90 | 9.793 | 8.402 | 6.951 | 5.477 | 3.904 | 2.605 | 2.082 |
| 95.0  | 22.64 | 21.87 | 20.19 | 17.96 | 15.16 | 12.21 | 9.264 | 6.110 | 3.450 | 4.246 |
| 97.5  | 33.13 | 32.12 | 29.62 | 26.33 | 22.18 | 17.79 | 13.42 | 11.95 | 11.19 | 10.31 |
| 100.0 | 43.50 | 42.49 | 39.24 | 35.00 | 30.44 | 27.96 | 25.24 | 23.00 | 20.63 | 19.30 |
| 102.5 | 53.73 | 53.06 | 50.34 | 48.78 | 47.81 | 43.04 | 38.24 | 34.97 | 32.32 | 30.82 |
| 105.0 | 63.13 | 64.98 | 63.46 | 64.26 | 65.59 | 59.24 | 52.42 | 49.67 | 46.33 | 44.05 |
| 107.5 | 72.28 | 74.84 | 76.20 | 79.28 | 82.73 | 76.77 | 70.27 | 68.57 | 63.32 | 59.76 |
| 110.0 | 81.38 | 85.28 | 88.47 | 93.67 | 99.43 | 94.04 | 89.47 | 91.46 | 84.36 | 80.30 |
| 112.5 | 90.44 | 95.37 | 100.2 | 106.8 | 110.4 | 109.6 | 107.4 | 113.4 | 105.1 | 107.6 |
| 115.0 | 99.47 | 105.1 | 110.6 | 115.8 | 120.0 | 122.8 | 123.5 | 125.6 | 124.0 | 126.0 |
| 117.5 | 108.8 | 114.7 | 120.0 | 125.0 | 129.5 | 133.3 | 136.2 | 136.7 | 137.5 | 137.5 |
| 120.0 | 118.7 | 124.4 | 129.6 | 134.4 | 139.0 | 143.2 | 145.5 | 147.2 | 149.3 | 148.9 |
| 122.5 | 128.8 | 134.2 | 139.3 | 143.9 | 148.4 | 151.5 | 154.4 | 157.0 | 159.2 | 159.4 |
| 125.0 | 139.0 | 144.1 | 149.1 | 153.6 | 157.1 | 160.1 | 163.2 | 166.6 | 167.7 | 169.0 |
| 127.5 | 149.1 | 154.1 | 158.9 | 162.5 | 165.8 | 169.0 | 172.2 | 175.1 | 176.0 | 177.9 |
| 130.0 | 159.4 | 163.9 | 167.8 | 171.4 | 174.8 | 178.2 | 181.4 | 182.8 | 184.2 | 186.3 |
| 132.5 | 169.2 | 173.3 | 176.8 | 180.4 | 183.9 | 187.5 | 189.9 | 190.8 | 192.4 | 194.9 |
| 135.0 | 178.9 | 182.8 | 186.2 | 189.5 | 193.0 | 196.7 | 197.7 | 199.0 | 200.9 | 202.7 |
| 137.5 | 188.9 | 192.5 | 195.8 | 198.9 | 202.3 | 204.0 | 205.4 | 207.2 | 209.4 | 209.1 |
| 140.0 | 199.0 | 202.3 | 205.6 | 208.7 | 210.2 | 211.5 | 213.1 | 215.1 | 217.8 | 215.7 |
| 142.5 | 209.3 | 212.4 | 215.7 | 217.1 | 218.1 | 219.3 | 220.9 | 223.1 | 225.1 | 221.6 |
| 145.0 | 219.8 | 222.5 | 223.0 | 223.4 | 226.1 | 227.4 | 229.1 | 231.1 | 230.6 | 227.0 |
| 147.5 | 228.6 | 229.0 | 229.9 | 230.5 | 231.9 | 235.8 | 237.6 | 239.9 | 236.4 | 232.9 |
| 150.0 | 235.1 | 235.7 | 236.6 | 237.8 | 238.2 | 240.0 | 246.1 | 245.9 | 243.0 | 240.3 |
| 152.5 | 241.8 | 242.6 | 243.2 | 244.6 | 246.1 | 247.5 | 247.0 | 250.3 | 249.9 | 248.1 |
| 155.0 | 249.8 | 249.6 | 250.2 | 251.0 | 252.8 | 254.6 | 254.8 | 253.2 | 252.4 | 253.2 |
| 157.5 | 256.4 | 257.1 | 257.5 | 258.1 | 259.1 | 259.2 | 259.7 | 260.0 | 260.5 | 260.9 |
| 160.0 | 264.0 | 264.9 | 265.3 | 265.1 | 264.4 | 264.3 | 264.5 | 265.1 | 266.0 | 267.0 |
| 162.5 | 271.5 | 271.6 | 270.9 | 271.0 | 269.6 | 269.6 | 269.7 | 270.3 | 271.1 | 272.1 |
| 165.0 | 274.7 | 275.1 | 275.1 | 274.7 | 275.0 | 275.3 | 274.7 | 275.2 | 275.9 | 276.8 |
| 167.5 | 274.5 | 277.8 | 278.3 | 278.7 | 278.8 | 278.9 | 279.2 | 279.9 | 280.7 | 281.5 |
| 170.0 | 271.3 | 276.2 | 279.5 | 281.5 | 281.9 | 282.4 | 282.9 | 283.5 | 283.9 | 284.5 |
| 172.5 | 277.7 | 277.2 | 278.0 | 280.0 | 282.2 | 283.9 | 284.9 | 285.8 | 286.6 | 287.1 |
| 175.0 | 285.2 | 285.4 | 285.1 | 284.7 | 284.6 | 284.9 | 285.7 | 286.5 | 287.4 | 288.3 |
| 177.5 | 289.4 | 289.7 | 289.9 | 290.2 | 290.5 | 290.8 | 291.0 | 291.3 | 291.5 | 291.8 |
| 180.0 | 293.5 | 293.5 | 293.5 | 293.5 | 293.5 | 293.5 | 293.5 | 293.5 | 293.5 | 293.5 |

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2024-01-09

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
Humidity: 65.0%  
Test Distance: 8.190m [K=1.0000]  
Remarks:

## Photometric Data Table [cd]

| G/C   | 350.0 | 355.0 |
|-------|-------|-------|
| 0.0   | 1161  | 1161  |
| 2.5   | 1158  | 1159  |
| 5.0   | 1152  | 1153  |
| 7.5   | 1143  | 1145  |
| 10.0  | 1131  | 1134  |
| 12.5  | 1117  | 1120  |
| 15.0  | 1101  | 1103  |
| 17.5  | 1081  | 1084  |
| 20.0  | 1060  | 1063  |
| 22.5  | 1036  | 1039  |
| 25.0  | 1010  | 1013  |
| 27.5  | 982.7 | 985.2 |
| 30.0  | 952.9 | 955.2 |
| 32.5  | 921.3 | 923.1 |
| 35.0  | 888.0 | 889.4 |
| 37.5  | 853.1 | 853.9 |
| 40.0  | 816.9 | 816.9 |
| 42.5  | 779.2 | 778.7 |
| 45.0  | 740.4 | 739.1 |
| 47.5  | 700.4 | 697.9 |
| 50.0  | 659.5 | 655.9 |
| 52.5  | 617.7 | 612.7 |
| 55.0  | 575.3 | 568.8 |
| 57.5  | 531.1 | 524.0 |
| 60.0  | 483.1 | 478.4 |
| 62.5  | 435.1 | 432.7 |
| 65.0  | 387.3 | 386.6 |
| 67.5  | 339.8 | 340.6 |
| 70.0  | 293.5 | 295.1 |
| 72.5  | 248.4 | 248.3 |
| 75.0  | 203.1 | 202.2 |
| 77.5  | 159.2 | 158.2 |
| 80.0  | 119.3 | 116.8 |
| 82.5  | 79.55 | 78.40 |
| 85.0  | 44.38 | 44.53 |
| 87.5  | 15.11 | 14.49 |
| 90.0  | 2.017 | 2.007 |
| 92.5  | 1.941 | 2.039 |
| 95.0  | 3.296 | 3.253 |
| 97.5  | 9.423 | 9.274 |
| 100.0 | 18.78 | 18.06 |
| 102.5 | 29.25 | 28.71 |
| 105.0 | 41.97 | 41.42 |
| 107.5 | 56.91 | 56.61 |
| 110.0 | 77.19 | 76.47 |
| 112.5 | 102.9 | 101.0 |
| 115.0 | 124.2 | 124.4 |
| 117.5 | 137.8 | 136.2 |
| 120.0 | 149.9 | 147.5 |
| 122.5 | 161.4 | 158.7 |
| 125.0 | 170.4 | 167.9 |
| 127.5 | 177.7 | 174.6 |
| 130.0 | 184.0 | 180.0 |
| 132.5 | 189.9 | 184.9 |
| 135.0 | 196.8 | 191.8 |
| 137.5 | 204.5 | 200.4 |
| 140.0 | 212.3 | 209.4 |
| 142.5 | 219.2 | 217.2 |
| 145.0 | 224.2 | 222.3 |
| 147.5 | 230.1 | 228.1 |
| 150.0 | 238.0 | 236.4 |
| 152.5 | 246.7 | 245.7 |
| 155.0 | 254.3 | 254.8 |
| 157.5 | 261.5 | 262.4 |
| 160.0 | 268.2 | 269.8 |
| 162.5 | 273.4 | 274.9 |
| 165.0 | 277.9 | 279.2 |
| 167.5 | 282.3 | 283.3 |
| 170.0 | 285.2 | 286.0 |
| 172.5 | 287.8 | 288.5 |
| 175.0 | 289.2 | 290.2 |
| 177.5 | 292.2 | 292.5 |
| 180.0 | 293.5 | 293.5 |

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2024-01-09

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE G0-2000B\_V1 SYSTEM V2.0.291  
Humidity: 65.0%  
Test Distance: 8.190m [K=1.0000]  
Remarks: