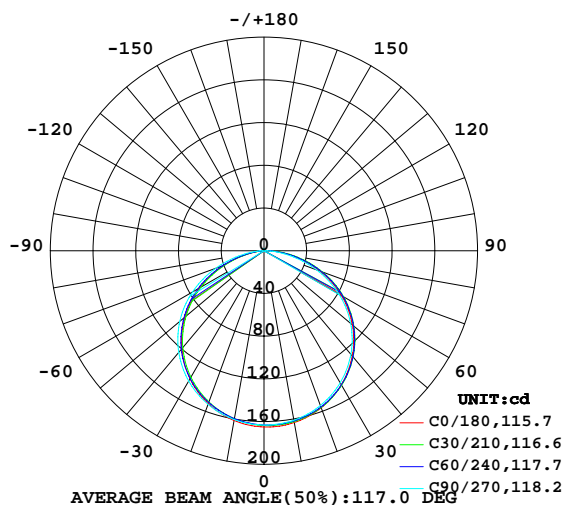


LUMINAIRE PHOTOMETRIC TEST REPORT

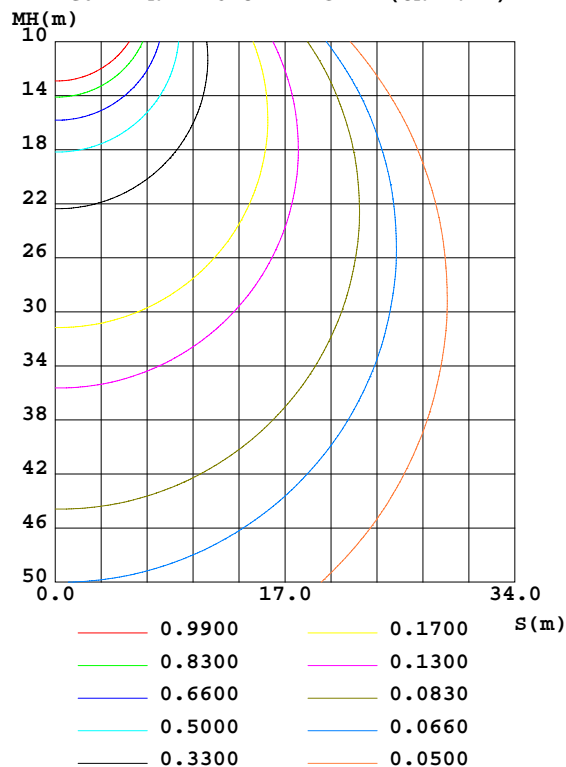
| | | |
|---|----------------------|-----------------------|
| Test:U:24.00V I:0.2521A P:6.051W PF:1.0000 Lamp Flux:394.388x1 lm | | |
| NAME: LED Strip | TYPE:Indoor lighting | WEIGHT:25g |
| SPEC.:2835 30LED WW | DIM.: 1000*8*1MM | SERIAL No.:2015062601 |
| MFR.: DILUX | SUR.:1000*8mm | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 82.62 lm/W | | | |
|------------------|--------------------------------|----------------------------------|--------|------------------------|----------|
| MODEL | FLS1002L29WW036B-24(WCP)-10-HR | Imax(cd) | 165.6 | S/MH(C0/180) | 1.25 |
| NOMINAL POWER(W) | 8.64 | LOR(%) | 126.8 | S/MH(C90/270) | 1.28 |
| RATED VOLTAGE(V) | DC 24 | TOTAL FLUX(lm) | 499.92 | η UP,DN(C0-180) | 0.9,63.3 |
| NOMINAL FLUX(lm) | 394.388 | CIE CLASS | DIRECT | η UP,DN(C180-360) | 0.9,61.7 |
| LAMPS INSIDE | 1 | η up(%) | 1.8 | CIBSE SHR NOM | 1.25 |
| TEST VOLTAGE(V) | 24 | η down(%) | 124.9 | 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:DAMIN
 Test Date:2015-06-26

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
 Humidity:65.0%
 Test Distance:4.950m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

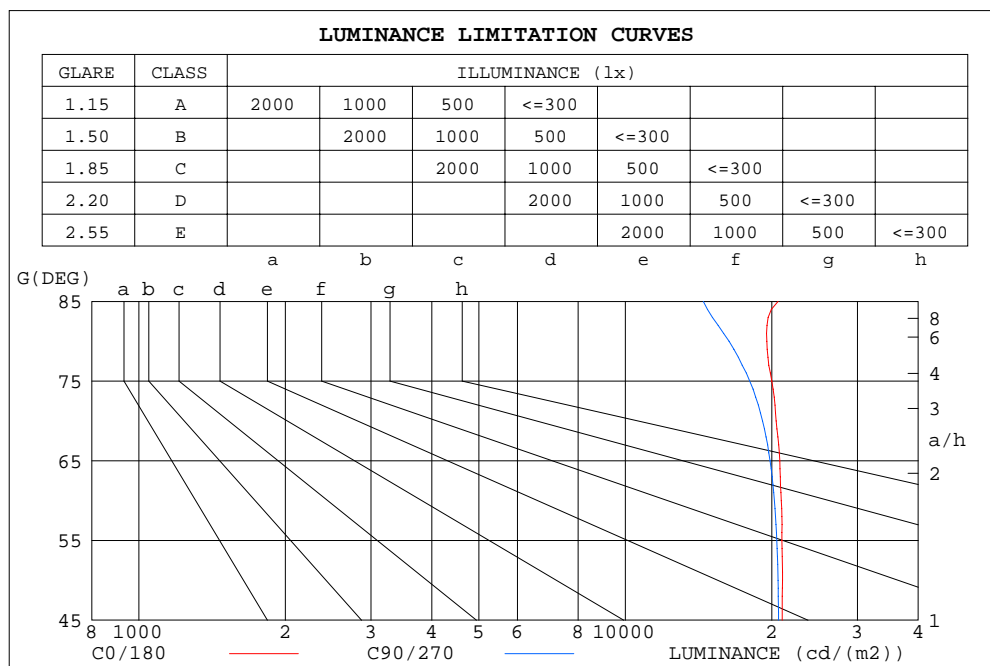
ZONAL FLUX DIAGRAM:

| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ | Φ zone | Φ total | $\%lum, lamp$ |
|----------|-----------------------|--------|--------|--------|--------|--------|--------|--------|----------|-------------|--------------|---------------|
| 10 | 163.3 | 162.3 | 161.1 | 162.0 | 161.4 | 159.6 | 160.5 | 163.9 | 0- 10 | 15.54 | 15.54 | 3.11,3.94 |
| 20 | 156.5 | 156.3 | 154.3 | 153.6 | 152.5 | 150.8 | 153.1 | 157.3 | 10- 20 | 44.75 | 60.29 | 12.1,15.3 |
| 30 | 144.9 | 145.5 | 142.7 | 140.3 | 138.5 | 137.1 | 141.0 | 145.8 | 20- 30 | 68.51 | 128.8 | 25.8,32.7 |
| 40 | 128.6 | 130.2 | 126.6 | 121.9 | 119.8 | 118.8 | 124.2 | 129.5 | 30- 40 | 83.80 | 212.6 | 42.5,53.9 |
| 50 | 108.2 | 110.3 | 105.9 | 98.97 | 96.65 | 95.94 | 102.9 | 108.9 | 40- 50 | 88.45 | 301.1 | 60.2,76.3 |
| 60 | 83.69 | 86.12 | 81.00 | 71.72 | 69.46 | 68.96 | 77.31 | 83.98 | 50- 60 | 81.39 | 382.4 | 76.5,97 |
| 70 | 55.86 | 58.54 | 52.38 | 41.83 | 39.78 | 39.23 | 48.22 | 55.69 | 60- 70 | 62.96 | 445.4 | 89.1,113 |
| 80 | 27.14 | 29.14 | 22.70 | 14.25 | 13.13 | 11.89 | 18.86 | 26.22 | 70- 80 | 36.26 | 481.7 | 96.3,122 |
| 90 | 5.682 | 5.717 | 1.190 | 1.285 | 0.9313 | 0.9064 | 1.013 | 5.043 | 80- 90 | 11.09 | 492.7 | 98.6,125 |
| 100 | 0.6434 | 0.4817 | 0.5692 | 0.5596 | 0.5906 | 0.6222 | 0.6150 | 0.6806 | 90-100 | 1.402 | 494.1 | 98.8,125 |
| 110 | 0.6168 | 0.6513 | 0.7372 | 0.7664 | 0.7984 | 0.8374 | 0.8176 | 0.6999 | 100-110 | 0.6802 | 494.8 | 99,125 |
| 120 | 0.8320 | 0.8644 | 0.9578 | 0.9827 | 1.017 | 1.053 | 1.036 | 0.9152 | 110-120 | 0.8396 | 495.7 | 99.1,126 |
| 130 | 1.047 | 1.070 | 1.166 | 1.189 | 1.221 | 1.255 | 1.240 | 1.120 | 120-130 | 0.9474 | 496.6 | 99.3,126 |
| 140 | 1.252 | 1.278 | 1.369 | 1.387 | 1.410 | 1.433 | 1.426 | 1.320 | 130-140 | 0.9735 | 497.6 | 99.5,126 |
| 150 | 1.450 | 1.474 | 1.546 | 1.556 | 1.576 | 1.589 | 1.594 | 1.501 | 140-150 | 0.9067 | 498.5 | 99.7,126 |
| 160 | 1.641 | 1.652 | 1.709 | 1.709 | 1.729 | 1.726 | 1.744 | 1.667 | 150-160 | 0.7463 | 499.2 | 99.9,127 |
| 170 | 1.823 | 1.806 | 1.840 | 1.855 | 1.880 | 1.854 | 1.863 | 1.814 | 160-170 | 0.4993 | 499.7 | 100,127 |
| 180 | 1.951 | 1.921 | 1.920 | 1.921 | 1.956 | 1.921 | 1.922 | 1.920 | 170-180 | 0.1791 | 499.9 | 100,127 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2015-06-26

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 γ Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
 Humidity:65.0%
 Test Distance:4.950m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES



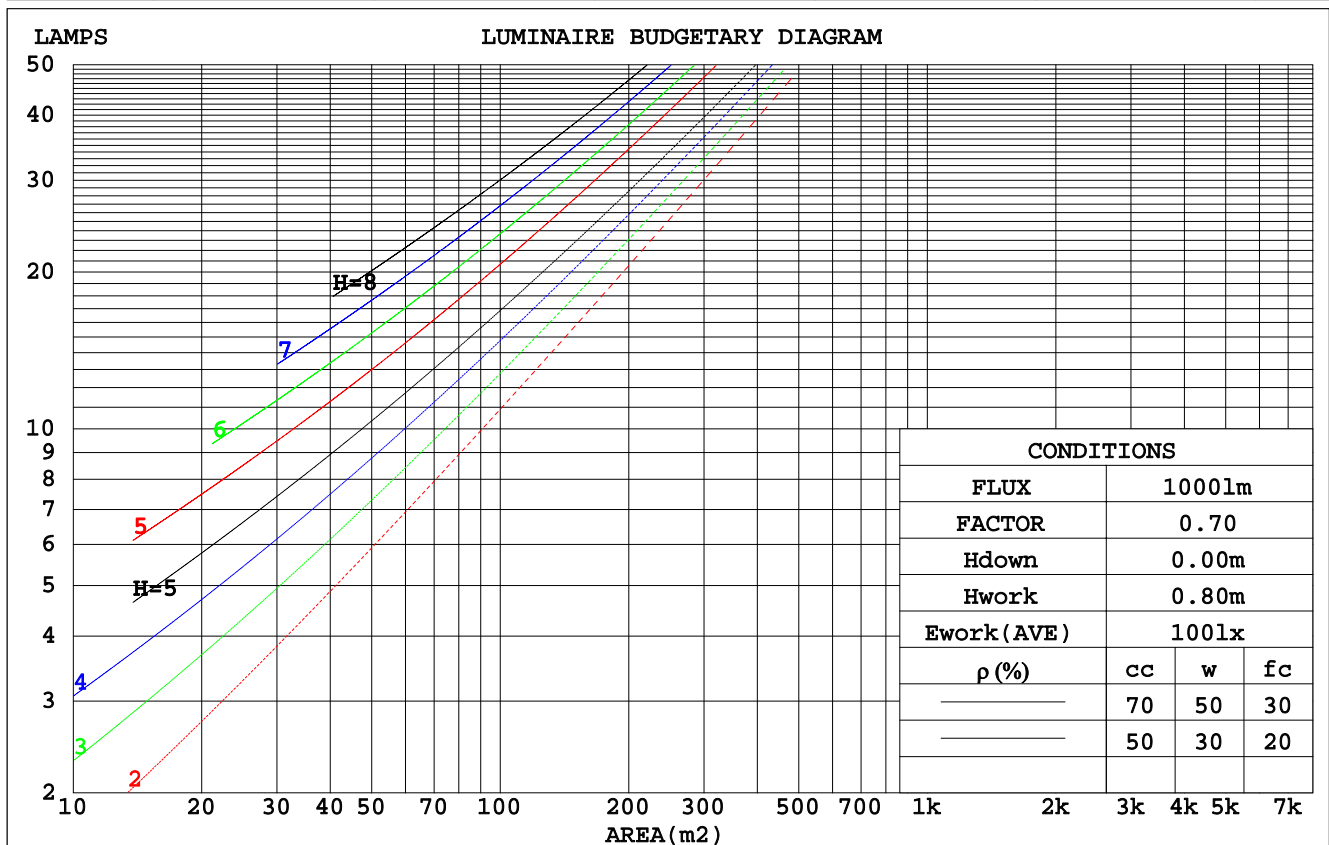
| LUMINANCE cd/(m2) | | |
|-------------------|--------|---------|
| G(DEG) | C0/180 | C90/270 |
| 85 | 20602 | 14469 |
| 80 | 19537 | 16341 |
| 75 | 20002 | 18019 |
| 70 | 20414 | 19144 |
| 65 | 20777 | 19839 |
| 60 | 20922 | 20251 |
| 55 | 20982 | 20486 |
| 50 | 21042 | 20602 |
| 45 | 21021 | 20645 |

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2015-06-26

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity: 65.0%
Test Distance: 4.950m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | | | | | | | | | | | | | | | |
|-------------|-----------------------|------|------|---------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| ρ_{cc} | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
| ρ_w | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| ρ_{fc} | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | Coefficients of Utilization(CU) | | | | | | | | | | | | |
| 0.0 | 1.50 | 1.50 | 1.50 | 1.47 | 1.47 | 1.47 | 1.40 | 1.40 | 1.40 | 1.33 | 1.33 | 1.33 | 1.28 | 1.28 | 1.28 | 1.25 |
| 1.0 | 1.31 | 1.25 | 1.20 | 1.28 | 1.23 | 1.18 | 1.22 | 1.18 | 1.14 | 1.17 | 1.13 | 1.10 | 1.12 | 1.09 | 1.07 | 1.04 |
| 2.0 | 1.14 | 1.05 | .97 | 1.11 | 1.03 | .96 | 1.06 | .99 | .93 | 1.02 | .96 | .91 | .98 | .93 | .89 | .86 |
| 3.0 | .99 | .89 | .80 | .97 | .87 | .80 | .93 | .85 | .78 | .89 | .82 | .76 | .86 | .80 | .75 | .72 |
| 4.0 | .88 | .77 | .68 | .86 | .75 | .67 | .83 | .73 | .66 | .79 | .71 | .65 | .76 | .70 | .64 | .61 |
| 5.0 | .78 | .67 | .58 | .77 | .66 | .58 | .74 | .64 | .57 | .71 | .63 | .56 | .69 | .61 | .55 | .53 |
| 6.0 | .70 | .59 | .51 | .69 | .58 | .50 | .67 | .57 | .50 | .64 | .56 | .49 | .62 | .54 | .49 | .46 |
| 7.0 | .64 | .52 | .45 | .63 | .52 | .44 | .60 | .51 | .44 | .58 | .50 | .43 | .57 | .49 | .43 | .40 |
| 8.0 | .58 | .47 | .40 | .57 | .47 | .39 | .55 | .46 | .39 | .54 | .45 | .39 | .52 | .44 | .38 | .36 |
| 9.0 | .53 | .43 | .36 | .52 | .42 | .35 | .51 | .42 | .35 | .49 | .41 | .35 | .48 | .40 | .35 | .32 |
| 10.0 | .49 | .39 | .32 | .48 | .39 | .32 | .47 | .38 | .32 | .46 | .37 | .32 | .44 | .37 | .31 | .29 |



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2015-06-26

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.351
 Humidity: 65.0%
 Test Distance: 4.950m [K=1.0000]
 Remarks:

WEC AND CCEC

| pcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|------|------|------|---|
| pw | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| pfc | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Wall Exitance Coefficients(WEC) | | | | | | | | | |
| 0.0 | | | | | | | | | | | | | | | | |
| 1.0 | .401 | .228 | .072 | .392 | .223 | .071 | .374 | .215 | .069 | .357 | .206 | .066 | .342 | .198 | .064 | |
| 2.0 | .376 | .206 | .063 | .367 | .202 | .062 | .351 | .195 | .061 | .337 | .189 | .059 | .323 | .183 | .058 | |
| 3.0 | .347 | .185 | .055 | .339 | .182 | .055 | .325 | .176 | .054 | .312 | .171 | .052 | .300 | .166 | .051 | |
| 4.0 | .319 | .166 | .049 | .313 | .164 | .048 | .300 | .159 | .048 | .289 | .155 | .047 | .278 | .151 | .046 | |
| 5.0 | .295 | .150 | .044 | .289 | .148 | .043 | .278 | .145 | .043 | .267 | .141 | .042 | .258 | .138 | .041 | |
| 6.0 | .273 | .137 | .039 | .268 | .135 | .039 | .258 | .132 | .038 | .249 | .129 | .038 | .240 | .126 | .038 | |
| 7.0 | .254 | .126 | .036 | .249 | .124 | .035 | .240 | .122 | .035 | .232 | .119 | .035 | .224 | .116 | .034 | |
| 8.0 | .237 | .116 | .033 | .233 | .115 | .032 | .225 | .112 | .032 | .217 | .110 | .032 | .210 | .108 | .031 | |
| 9.0 | .222 | .107 | .030 | .218 | .106 | .030 | .211 | .104 | .030 | .204 | .102 | .029 | .198 | .100 | .029 | |
| 10.0 | .209 | .100 | .028 | .205 | .099 | .028 | .199 | .097 | .027 | .192 | .096 | .027 | .187 | .094 | .027 | |

| pcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|------|-----------------------|------|------|------|------|------|--|------|------|------|------|------|------|------|------|---|
| pw | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| pfc | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Ceiling Cavity Exitance Coefficients(CCEC) | | | | | | | | | |
| 0.0 | .255 | .255 | .255 | .218 | .218 | .218 | .149 | .149 | .149 | .086 | .086 | .086 | .027 | .027 | .027 | |
| 1.0 | .243 | .212 | .184 | .208 | .182 | .158 | .142 | .125 | .109 | .082 | .072 | .064 | .026 | .023 | .021 | |
| 2.0 | .233 | .181 | .138 | .200 | .156 | .119 | .137 | .108 | .083 | .079 | .063 | .049 | .025 | .020 | .016 | |
| 3.0 | .224 | .159 | .108 | .192 | .137 | .093 | .132 | .095 | .065 | .076 | .056 | .039 | .024 | .018 | .013 | |
| 4.0 | .214 | .142 | .088 | .184 | .123 | .076 | .126 | .086 | .054 | .073 | .050 | .032 | .023 | .016 | .010 | |
| 5.0 | .205 | .129 | .074 | .176 | .112 | .064 | .121 | .078 | .045 | .070 | .046 | .027 | .023 | .015 | .009 | |
| 6.0 | .195 | .119 | .064 | .168 | .103 | .055 | .116 | .072 | .039 | .067 | .042 | .023 | .022 | .014 | .008 | |
| 7.0 | .187 | .110 | .056 | .161 | .095 | .049 | .111 | .067 | .035 | .064 | .039 | .021 | .021 | .013 | .007 | |
| 8.0 | .178 | .103 | .051 | .154 | .089 | .044 | .106 | .063 | .031 | .062 | .037 | .019 | .020 | .012 | .006 | |
| 9.0 | .171 | .096 | .046 | .147 | .084 | .040 | .102 | .059 | .029 | .059 | .035 | .017 | .019 | .011 | .006 | |
| 10.0 | .163 | .091 | .043 | .141 | .079 | .037 | .098 | .056 | .026 | .057 | .033 | .016 | .018 | .011 | .005 | |

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2015-06-26

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.351
 Humidity: 65.0%
 Test Distance: 4.950m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

| | | | | | | | | | | |
|--|------------------|------|------|------|------|----------------|------|------|------|------|
| 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 | 23.8 | 25.3 | 24.1 | 25.5 | 25.8 | 23.7 | 25.2 | 24.0 | 25.4 | 25.7 |
| 3H | 25.5 | 26.9 | 25.8 | 27.2 | 27.5 | 25.4 | 26.8 | 25.7 | 27.0 | 27.3 |
| 4H | 26.3 | 27.6 | 26.6 | 27.9 | 28.2 | 26.0 | 27.4 | 26.4 | 27.6 | 27.9 |
| 6H | 26.9 | 28.1 | 27.2 | 28.4 | 28.7 | 26.5 | 27.8 | 26.9 | 28.1 | 28.4 |
| 8H | 27.1 | 28.3 | 27.5 | 28.6 | 28.9 | 26.7 | 27.9 | 27.0 | 28.2 | 28.5 |
| 12H | 27.3 | 28.4 | 27.7 | 28.8 | 29.1 | 26.8 | 27.9 | 27.1 | 28.3 | 28.6 |
| 4H 2H | 24.5 | 25.8 | 24.8 | 26.1 | 26.4 | 24.4 | 25.7 | 24.7 | 26.0 | 26.3 |
| 3H | 26.4 | 27.6 | 26.8 | 27.9 | 28.3 | 26.3 | 27.5 | 26.7 | 27.8 | 28.1 |
| 4H | 27.3 | 28.4 | 27.7 | 28.7 | 29.1 | 27.1 | 28.2 | 27.5 | 28.5 | 28.9 |
| 6H | 28.1 | 29.0 | 28.5 | 29.4 | 29.8 | 27.7 | 28.7 | 28.2 | 29.1 | 29.5 |
| 8H | 28.4 | 29.3 | 28.8 | 29.7 | 30.1 | 28.0 | 28.8 | 28.4 | 29.2 | 29.7 |
| 12H | 28.6 | 29.4 | 29.1 | 29.8 | 30.3 | 28.1 | 28.9 | 28.6 | 29.3 | 29.8 |
| 8H 4H | 27.7 | 28.6 | 28.1 | 29.0 | 29.4 | 27.5 | 28.4 | 27.9 | 28.8 | 29.2 |
| 6H | 28.6 | 29.4 | 29.1 | 29.8 | 30.3 | 28.3 | 29.0 | 28.8 | 29.5 | 29.9 |
| 8H | 29.0 | 29.7 | 29.5 | 30.1 | 30.6 | 28.6 | 29.3 | 29.1 | 29.7 | 30.2 |
| 12H | 29.4 | 30.0 | 29.9 | 30.5 | 31.0 | 28.9 | 29.5 | 29.4 | 29.9 | 30.4 |
| 12H 4H | 27.7 | 28.5 | 28.2 | 28.9 | 29.4 | 27.5 | 28.3 | 28.0 | 28.8 | 29.2 |
| 6H | 28.7 | 29.4 | 29.2 | 29.8 | 30.3 | 28.4 | 29.1 | 28.9 | 29.5 | 30.0 |
| 8H | 29.2 | 29.8 | 29.7 | 30.2 | 30.7 | 28.8 | 29.4 | 29.3 | 29.8 | 30.4 |
| Variations with the observer position at spacings: | | | | | | | | | | |
| S = 1.0H | + 0.1 / - 0.2 | | | | | + 0.1 / - 0.2 | | | | |
| 1.5H | + 0.2 / - 0.3 | | | | | + 0.2 / - 0.3 | | | | |
| 2.0H | + 0.2 / - 0.4 | | | | | + 0.2 / - 0.4 | | | | |

CIE Pub.117 Corrected 394.4 lm Total Lamp Luminous Flux.(8log(F/F0) = -3.2)

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2015-06-26

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
 Humidity:65.0%
 Test Distance:4.950m [K=1.0000]
 Remarks:

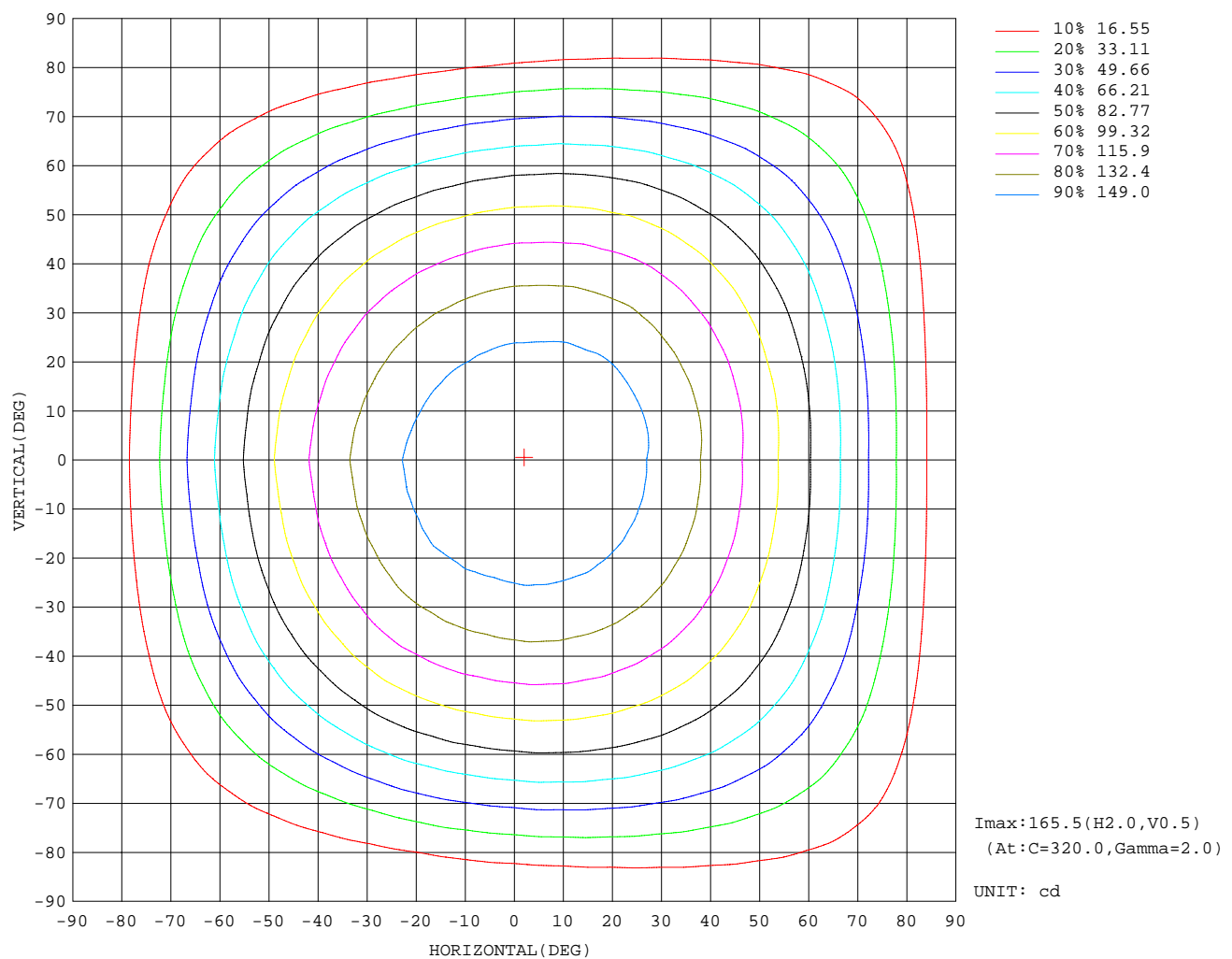
UTILIZATION FACTORS TABLE

| 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 | 71 | 56 | 47 | 70 | 56 | 47 | 69 | 55 | 47 | 39 |
| 0.80 | 84 | 69 | 60 | 83 | 68 | 59 | 80 | 67 | 59 | 50 |
| 1.00 | 95 | 80 | 71 | 93 | 80 | 71 | 90 | 81 | 70 | 60 |
| 1.25 | 104 | 90 | 81 | 102 | 89 | 80 | 98 | 87 | 79 | 70 |
| 1.50 | 110 | 97 | 88 | 108 | 96 | 88 | 104 | 94 | 86 | 76 |
| 2.00 | 119 | 108 | 99 | 117 | 106 | 98 | 112 | 103 | 96 | 86 |
| 2.50 | 124 | 114 | 106 | 121 | 112 | 105 | 116 | 109 | 102 | 91 |
| 3.00 | 128 | 119 | 112 | 126 | 117 | 111 | 120 | 113 | 108 | 97 |
| 4.00 | 134 | 126 | 120 | 130 | 124 | 118 | 125 | 119 | 115 | 103 |
| 5.00 | 137 | 130 | 125 | 134 | 128 | 123 | 127 | 123 | 119 | 107 |
| 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: DAMIN
 Test Date: 2015-06-26

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.351
 Humidity: 65.0%
 Test Distance: 4.950m [K=1.0000]
 Remarks:

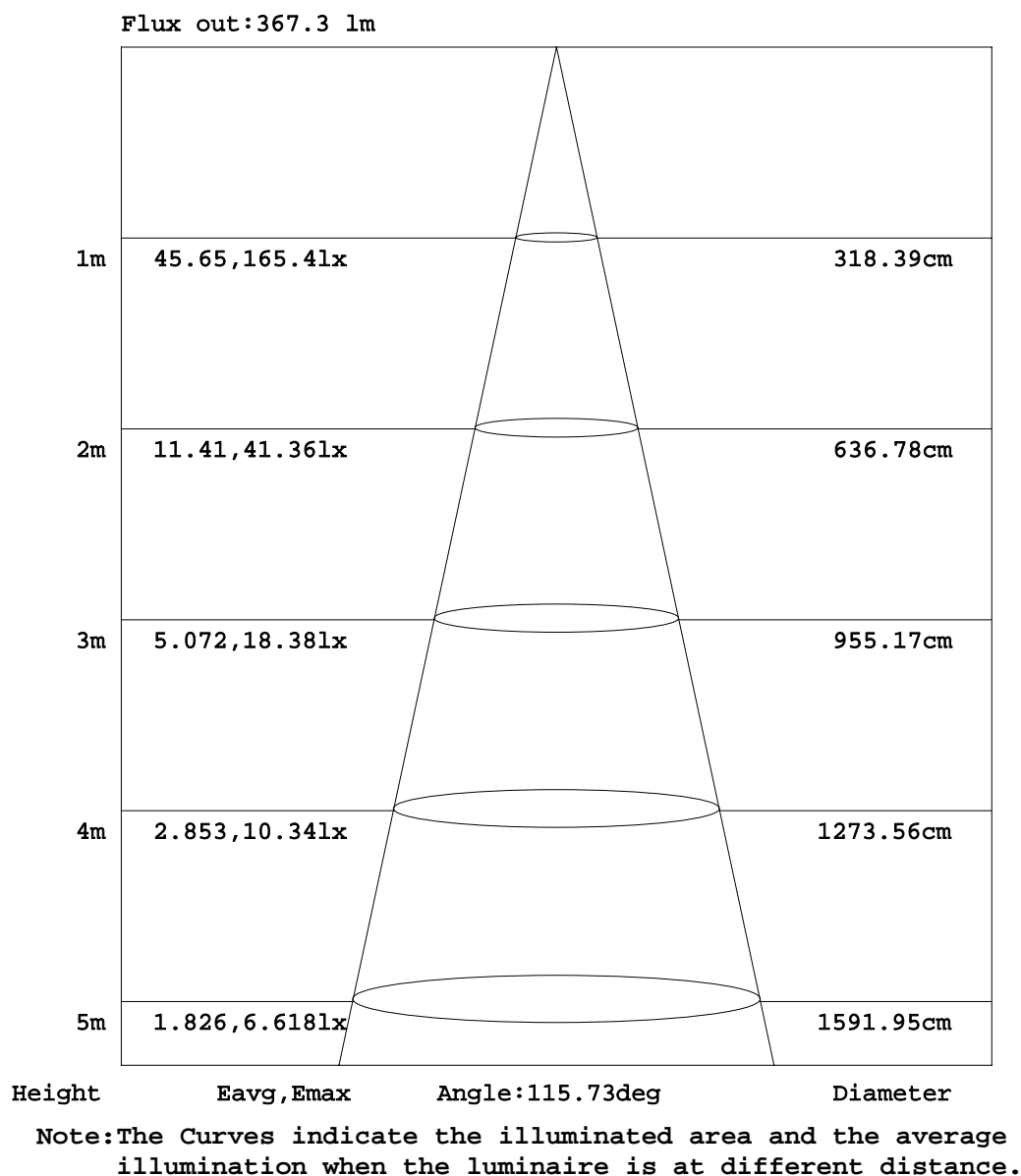
ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2015-06-26

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:4.950m [K=1.0000]
Remarks:

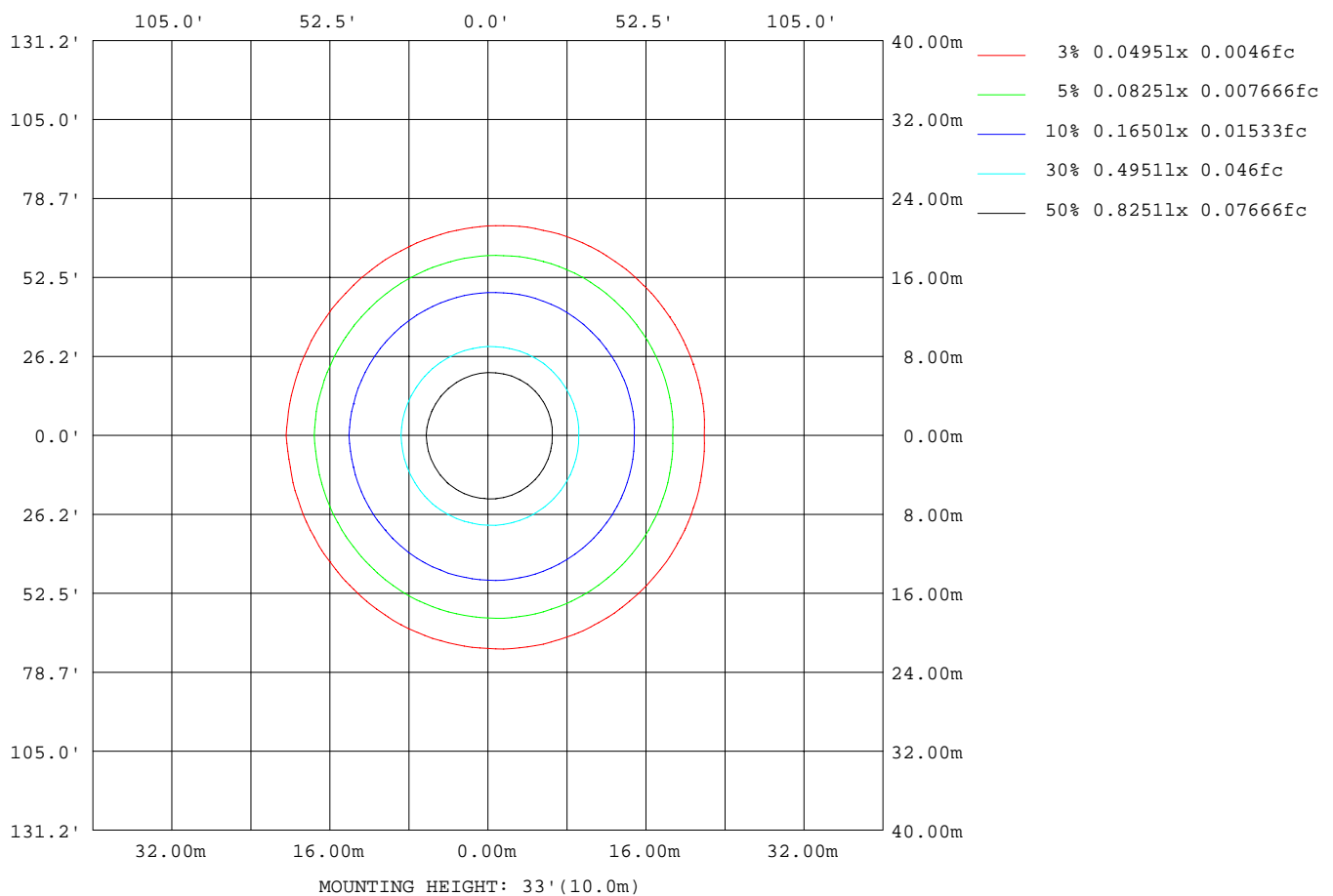
AAI Figure



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2015-06-26

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:4.950m [K=1.0000]
Remarks:

ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2015-06-26

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity: 65.0%
Test Distance: 4.950m [K=1.0000]
Remarks:

LED Avg.L Report

| | | |
|---|----------------------|-----------------------|
| Test:U:24.00V I:0.2521A P:6.051W PF:1.0000 Lamp Flux:394.388x1 lm | | |
| NAME: LED Strip | TYPE:Indoor lighting | WEIGHT:25g |
| SPEC.:2835 30LED WW | DIM.: 1000*8*1MM | SERIAL No.:2015062601 |
| MFR.: DILUX | SUR.:1000*8mm | Shielding Angle: |

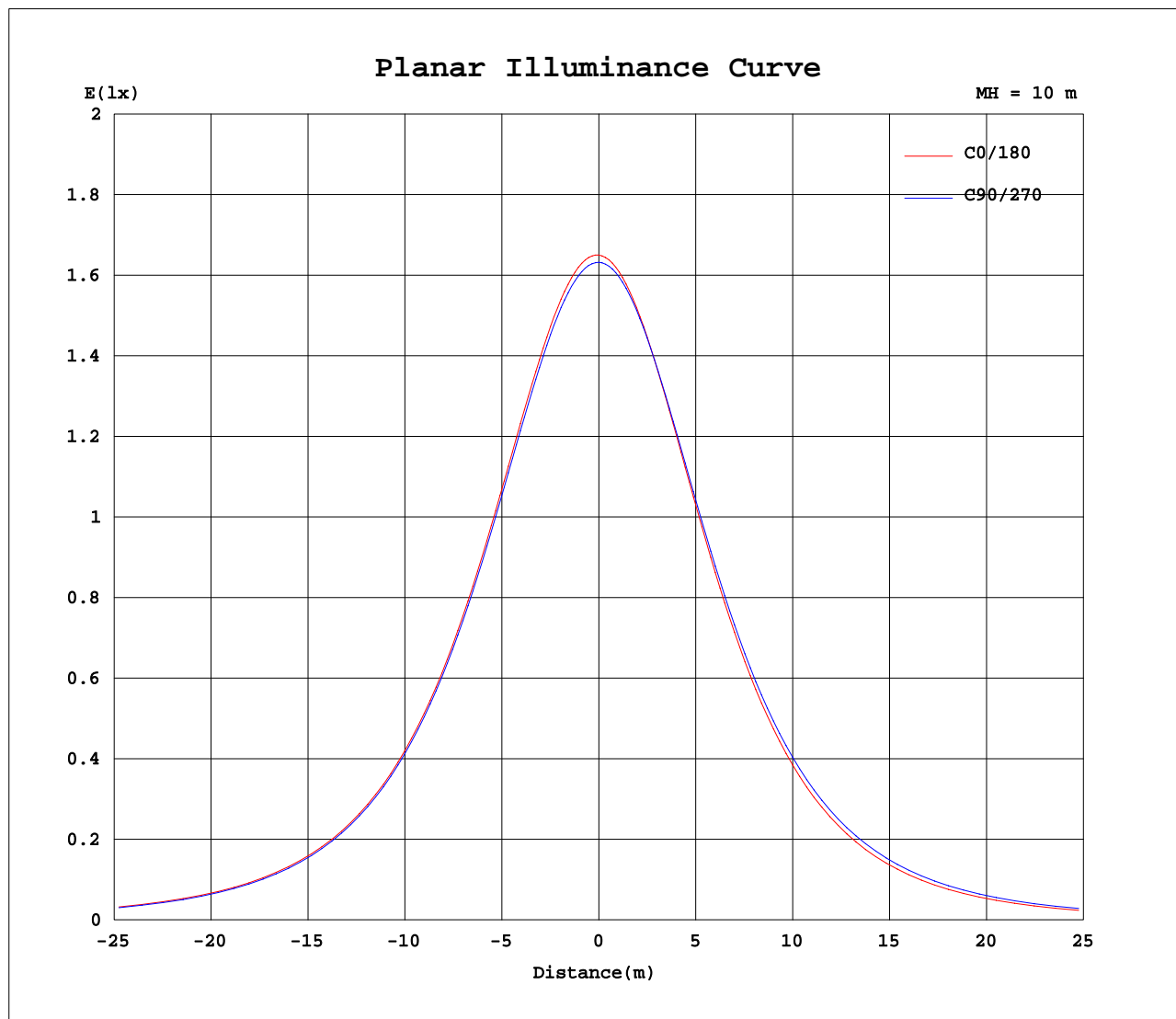
| AvgL | cd/m2 |
|----------------|-------|
| L_0~180(65)av | 18497 |
| L_0~180(75)av | 16130 |
| L_0~180(85)av | 13590 |
| L_90~270(65)av | 19255 |
| L_90~270(75)av | 17016 |
| L_90~270(85)av | 12597 |
| L_45(65)av | 18804 |
| L_45(75)av | 16457 |
| L_45(85)av | 13589 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2015-06-26

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:4.950m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2015-06-26

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity: 65.0%
Test Distance: 4.950m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--1

UNIT: cd

| C(DEG) γ (DEG) | 0 | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 | 90 |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0 | 165 | 165 | 164 | 164 | 164 | 164 | 164 | 164 | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 |
| 5 | 165 | 165 | 164 | 164 | 164 | 164 | 164 | 164 | 164 | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 |
| 10 | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 162 | 162 | 162 | 162 | 162 | 162 | 162 | 162 | 161 | 161 | 161 |
| 15 | 161 | 161 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 159 | 159 | 159 | 159 | 159 | 159 | 158 |
| 20 | 157 | 157 | 156 | 157 | 156 | 156 | 156 | 157 | 156 | 156 | 156 | 156 | 156 | 156 | 155 | 155 | 155 | 155 | 154 |
| 25 | 151 | 151 | 151 | 152 | 151 | 152 | 151 | 152 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 150 | 150 | 150 | 149 |
| 30 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 146 | 145 | 146 | 145 | 145 | 145 | 145 | 144 | 144 | 144 | 144 | 143 |
| 35 | 137 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 137 | 137 | 136 | 136 | 135 |
| 40 | 129 | 129 | 129 | 130 | 130 | 130 | 130 | 130 | 130 | 130 | 130 | 130 | 130 | 129 | 129 | 129 | 128 | 128 | 127 |
| 45 | 119 | 120 | 120 | 120 | 120 | 121 | 120 | 121 | 121 | 121 | 120 | 120 | 120 | 120 | 119 | 119 | 118 | 118 | 117 |
| 50 | 108 | 109 | 109 | 109 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 109 | 109 | 109 | 108 | 108 | 107 | 106 |
| 55 | 96.3 | 96.9 | 97.2 | 97.8 | 97.9 | 98.4 | 98.3 | 98.6 | 98.4 | 98.7 | 98.4 | 98.4 | 97.8 | 97.7 | 97.0 | 96.6 | 95.8 | 95.2 | 94.0 |
| 60 | 83.7 | 84.4 | 84.7 | 85.3 | 85.5 | 85.9 | 85.9 | 86.2 | 86.0 | 86.1 | 85.8 | 85.9 | 85.3 | 85.0 | 84.3 | 83.8 | 82.9 | 82.3 | 81.0 |
| 65 | 70.2 | 71.0 | 71.2 | 72.0 | 72.0 | 72.6 | 72.5 | 72.9 | 72.6 | 72.7 | 72.3 | 72.3 | 71.7 | 71.4 | 70.5 | 70.2 | 69.0 | 68.5 | 67.1 |
| 70 | 55.9 | 56.7 | 57.1 | 57.8 | 57.9 | 58.4 | 58.3 | 58.7 | 58.4 | 58.5 | 58.0 | 57.9 | 57.2 | 57.0 | 56.0 | 55.5 | 54.4 | 53.8 | 52.4 |
| 75 | 41.4 | 42.2 | 42.6 | 43.3 | 43.4 | 43.9 | 43.8 | 44.1 | 43.7 | 43.8 | 43.2 | 43.1 | 42.3 | 42.0 | 41.0 | 40.5 | 39.3 | 38.7 | 37.3 |
| 80 | 27.1 | 28.0 | 28.2 | 29.0 | 28.9 | 29.5 | 29.2 | 29.5 | 29.0 | 29.1 | 28.5 | 28.3 | 27.4 | 27.1 | 26.1 | 25.6 | 24.4 | 23.9 | 22.7 |
| 85 | 14.4 | 15.0 | 15.3 | 15.8 | 15.9 | 16.2 | 16.0 | 16.2 | 15.7 | 15.7 | 15.0 | 14.8 | 14.0 | 13.6 | 12.7 | 12.3 | 11.4 | 11.0 | 10.1 |
| 90 | 5.68 | 6.00 | 6.16 | 6.41 | 6.36 | 6.47 | 6.26 | 6.23 | 5.87 | 5.72 | 5.25 | 5.01 | 4.49 | 4.23 | 3.71 | 3.48 | 3.09 | 2.69 | 1.19 |
| 95 | 1.94 | 2.02 | 2.02 | 2.08 | 1.99 | 1.97 | 1.80 | 1.72 | 1.53 | 1.44 | 1.24 | 1.14 | 0.87 | 0.67 | 0.60 | 0.61 | 0.66 | 0.67 | 0.68 |
| 100 | 0.64 | 0.65 | 0.63 | 0.62 | 0.59 | 0.57 | 0.55 | 0.52 | 0.49 | 0.48 | 0.48 | 0.49 | 0.49 | 0.51 | 0.52 | 0.54 | 0.56 | 0.56 | 0.57 |
| 105 | 0.52 | 0.53 | 0.52 | 0.52 | 0.52 | 0.53 | 0.53 | 0.54 | 0.53 | 0.55 | 0.55 | 0.57 | 0.57 | 0.58 | 0.58 | 0.60 | 0.60 | 0.62 | 0.62 |
| 110 | 0.62 | 0.62 | 0.61 | 0.62 | 0.62 | 0.63 | 0.62 | 0.64 | 0.64 | 0.65 | 0.65 | 0.67 | 0.67 | 0.69 | 0.69 | 0.71 | 0.71 | 0.73 | 0.74 |
| 115 | 0.72 | 0.73 | 0.72 | 0.73 | 0.72 | 0.73 | 0.73 | 0.74 | 0.74 | 0.76 | 0.76 | 0.78 | 0.78 | 0.80 | 0.80 | 0.82 | 0.82 | 0.84 | 0.85 |
| 120 | 0.83 | 0.84 | 0.83 | 0.84 | 0.83 | 0.84 | 0.84 | 0.85 | 0.85 | 0.86 | 0.86 | 0.88 | 0.88 | 0.90 | 0.90 | 0.92 | 0.93 | 0.95 | 0.96 |
| 125 | 0.94 | 0.94 | 0.93 | 0.94 | 0.93 | 0.95 | 0.94 | 0.96 | 0.95 | 0.97 | 0.97 | 0.98 | 0.98 | 1.00 | 1.00 | 1.03 | 1.03 | 1.05 | 1.06 |
| 130 | 1.05 | 1.05 | 1.04 | 1.05 | 1.04 | 1.05 | 1.05 | 1.06 | 1.06 | 1.07 | 1.07 | 1.08 | 1.09 | 1.10 | 1.11 | 1.13 | 1.13 | 1.16 | 1.17 |
| 135 | 1.15 | 1.15 | 1.14 | 1.15 | 1.15 | 1.16 | 1.15 | 1.16 | 1.16 | 1.17 | 1.17 | 1.19 | 1.19 | 1.21 | 1.21 | 1.23 | 1.23 | 1.26 | 1.27 |
| 140 | 1.25 | 1.26 | 1.25 | 1.26 | 1.25 | 1.26 | 1.26 | 1.27 | 1.27 | 1.28 | 1.28 | 1.29 | 1.29 | 1.31 | 1.31 | 1.33 | 1.33 | 1.36 | 1.37 |
| 145 | 1.35 | 1.36 | 1.35 | 1.37 | 1.36 | 1.37 | 1.36 | 1.37 | 1.37 | 1.38 | 1.37 | 1.39 | 1.39 | 1.40 | 1.40 | 1.42 | 1.43 | 1.45 | 1.46 |
| 150 | 1.45 | 1.46 | 1.46 | 1.47 | 1.46 | 1.47 | 1.46 | 1.47 | 1.46 | 1.47 | 1.47 | 1.48 | 1.48 | 1.49 | 1.49 | 1.51 | 1.52 | 1.54 | 1.55 |
| 155 | 1.55 | 1.56 | 1.56 | 1.57 | 1.56 | 1.56 | 1.56 | 1.57 | 1.56 | 1.57 | 1.56 | 1.57 | 1.57 | 1.58 | 1.58 | 1.60 | 1.61 | 1.63 | 1.63 |
| 160 | 1.64 | 1.66 | 1.65 | 1.66 | 1.65 | 1.66 | 1.64 | 1.65 | 1.64 | 1.65 | 1.64 | 1.66 | 1.65 | 1.67 | 1.67 | 1.69 | 1.69 | 1.71 | 1.71 |
| 165 | 1.73 | 1.75 | 1.74 | 1.74 | 1.73 | 1.74 | 1.73 | 1.73 | 1.72 | 1.73 | 1.73 | 1.74 | 1.73 | 1.75 | 1.75 | 1.76 | 1.76 | 1.78 | 1.78 |
| 170 | 1.82 | 1.83 | 1.82 | 1.82 | 1.81 | 1.81 | 1.80 | 1.81 | 1.80 | 1.81 | 1.80 | 1.81 | 1.81 | 1.82 | 1.82 | 1.83 | 1.83 | 1.85 | 1.84 |
| 175 | 1.90 | 1.90 | 1.89 | 1.89 | 1.87 | 1.88 | 1.87 | 1.88 | 1.87 | 1.88 | 1.87 | 1.88 | 1.87 | 1.89 | 1.87 | 1.89 | 1.88 | 1.90 | 1.89 |
| 180 | 1.95 | 1.95 | 1.94 | 1.94 | 1.92 | 1.93 | 1.92 | 1.92 | 1.92 | 1.92 | 1.92 | 1.92 | 1.92 | 1.92 | 1.92 | 1.92 | 1.92 | 1.92 | 1.92 |

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2015-06-26

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.351
 Humidity: 65.0%
 Test Distance: 4.950m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--2

UNIT: cd

| C(DEG) γ (DEG) | 95 | 100 | 105 | 110 | 115 | 120 | 125 | 130 | 135 | 140 | 145 | 150 | 155 | 160 | 165 | 170 | 175 | 180 | 185 |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0 | 163 | 163 | 163 | 164 | 164 | 164 | 164 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 |
| 5 | 163 | 162 | 163 | 163 | 163 | 163 | 163 | 164 | 164 | 164 | 164 | 164 | 164 | 164 | 164 | 164 | 164 | 164 | 164 |
| 10 | 161 | 161 | 161 | 161 | 161 | 161 | 161 | 161 | 162 | 162 | 162 | 161 | 161 | 161 | 161 | 161 | 161 | 161 | 161 |
| 15 | 158 | 158 | 158 | 158 | 158 | 158 | 158 | 158 | 158 | 158 | 158 | 157 | 157 | 157 | 157 | 157 | 157 | 158 | 157 |
| 20 | 154 | 154 | 154 | 153 | 154 | 153 | 153 | 153 | 154 | 153 | 153 | 152 | 152 | 152 | 152 | 152 | 152 | 152 | 152 |
| 25 | 149 | 148 | 148 | 148 | 148 | 148 | 147 | 147 | 148 | 147 | 147 | 146 | 146 | 146 | 146 | 146 | 146 | 146 | 146 |
| 30 | 142 | 142 | 142 | 141 | 141 | 141 | 141 | 140 | 140 | 140 | 139 | 138 | 138 | 138 | 138 | 138 | 138 | 139 | 138 |
| 35 | 135 | 134 | 134 | 133 | 133 | 132 | 132 | 132 | 132 | 131 | 130 | 130 | 130 | 129 | 129 | 129 | 129 | 130 | 129 |
| 40 | 126 | 125 | 125 | 124 | 124 | 123 | 123 | 122 | 122 | 121 | 120 | 120 | 120 | 119 | 119 | 119 | 119 | 120 | 119 |
| 45 | 116 | 115 | 115 | 114 | 114 | 113 | 113 | 112 | 111 | 110 | 109 | 109 | 109 | 108 | 108 | 108 | 108 | 109 | 108 |
| 50 | 105 | 104 | 104 | 103 | 102 | 101 | 101 | 99.7 | 99.0 | 97.7 | 97.3 | 96.5 | 96.4 | 95.8 | 95.8 | 95.4 | 95.7 | 96.7 | 95.9 |
| 55 | 93.3 | 92.2 | 91.8 | 90.5 | 89.9 | 88.9 | 88.0 | 86.6 | 85.8 | 84.6 | 84.1 | 83.4 | 83.1 | 82.5 | 82.4 | 82.1 | 82.3 | 83.4 | 82.6 |
| 60 | 80.2 | 79.1 | 78.4 | 77.1 | 76.5 | 75.2 | 74.1 | 72.6 | 71.7 | 70.6 | 70.1 | 69.3 | 69.1 | 68.4 | 68.4 | 68.1 | 68.4 | 69.5 | 68.6 |
| 65 | 66.3 | 65.0 | 64.2 | 62.9 | 62.1 | 60.3 | 59.3 | 57.7 | 57.0 | 55.8 | 55.4 | 54.4 | 54.3 | 53.6 | 53.8 | 53.3 | 53.7 | 54.8 | 54.0 |
| 70 | 51.5 | 50.2 | 49.3 | 47.9 | 46.7 | 44.9 | 43.9 | 42.5 | 41.8 | 40.7 | 40.3 | 39.4 | 39.2 | 38.6 | 38.7 | 38.4 | 38.7 | 39.8 | 38.9 |
| 75 | 36.5 | 35.1 | 34.3 | 32.5 | 31.3 | 29.7 | 28.9 | 27.7 | 27.1 | 26.2 | 25.8 | 25.1 | 25.0 | 24.5 | 24.6 | 24.3 | 24.6 | 25.4 | 24.7 |
| 80 | 22.1 | 20.8 | 19.7 | 18.1 | 17.2 | 16.0 | 15.5 | 14.6 | 14.2 | 13.6 | 13.4 | 12.9 | 13.0 | 12.6 | 12.8 | 12.5 | 12.8 | 13.1 | 12.5 |
| 85 | 9.88 | 8.72 | 7.95 | 7.02 | 6.54 | 5.89 | 5.64 | 5.19 | 5.09 | 4.78 | 4.75 | 4.52 | 4.56 | 4.38 | 4.46 | 4.35 | 4.47 | 4.59 | 4.25 |
| 90 | 2.09 | 1.93 | 1.79 | 1.64 | 1.56 | 1.44 | 1.40 | 1.32 | 1.29 | 1.21 | 1.17 | 1.10 | 1.06 | 0.99 | 0.95 | 0.88 | 0.86 | 0.93 | 0.86 |
| 95 | 0.69 | 0.64 | 0.57 | 0.55 | 0.53 | 0.52 | 0.52 | 0.52 | 0.52 | 0.53 | 0.53 | 0.54 | 0.54 | 0.55 | 0.54 | 0.55 | 0.54 | 0.57 | 0.59 |
| 100 | 0.57 | 0.56 | 0.56 | 0.55 | 0.56 | 0.55 | 0.56 | 0.55 | 0.56 | 0.55 | 0.56 | 0.55 | 0.55 | 0.54 | 0.55 | 0.55 | 0.55 | 0.59 | 0.59 |
| 105 | 0.64 | 0.63 | 0.65 | 0.64 | 0.65 | 0.65 | 0.66 | 0.65 | 0.66 | 0.65 | 0.65 | 0.64 | 0.65 | 0.64 | 0.65 | 0.64 | 0.64 | 0.69 | 0.69 |
| 110 | 0.75 | 0.74 | 0.75 | 0.75 | 0.76 | 0.76 | 0.77 | 0.76 | 0.77 | 0.76 | 0.76 | 0.75 | 0.76 | 0.75 | 0.75 | 0.74 | 0.75 | 0.80 | 0.80 |
| 115 | 0.86 | 0.85 | 0.87 | 0.86 | 0.87 | 0.86 | 0.88 | 0.87 | 0.88 | 0.86 | 0.87 | 0.86 | 0.87 | 0.86 | 0.86 | 0.85 | 0.86 | 0.91 | 0.91 |
| 120 | 0.97 | 0.96 | 0.97 | 0.97 | 0.98 | 0.97 | 0.98 | 0.97 | 0.98 | 0.97 | 0.98 | 0.97 | 0.97 | 0.96 | 0.97 | 0.96 | 0.96 | 1.02 | 1.01 |
| 125 | 1.08 | 1.06 | 1.07 | 1.07 | 1.08 | 1.08 | 1.09 | 1.08 | 1.09 | 1.08 | 1.08 | 1.07 | 1.08 | 1.07 | 1.07 | 1.06 | 1.07 | 1.12 | 1.12 |
| 130 | 1.18 | 1.17 | 1.18 | 1.17 | 1.18 | 1.18 | 1.19 | 1.18 | 1.19 | 1.18 | 1.19 | 1.18 | 1.19 | 1.17 | 1.18 | 1.17 | 1.17 | 1.22 | 1.22 |
| 135 | 1.29 | 1.27 | 1.28 | 1.27 | 1.29 | 1.28 | 1.29 | 1.28 | 1.29 | 1.28 | 1.29 | 1.28 | 1.28 | 1.27 | 1.28 | 1.27 | 1.27 | 1.32 | 1.32 |
| 140 | 1.39 | 1.38 | 1.38 | 1.37 | 1.38 | 1.37 | 1.38 | 1.38 | 1.39 | 1.38 | 1.38 | 1.37 | 1.38 | 1.37 | 1.37 | 1.36 | 1.37 | 1.41 | 1.41 |
| 145 | 1.48 | 1.47 | 1.47 | 1.46 | 1.47 | 1.46 | 1.47 | 1.47 | 1.47 | 1.46 | 1.47 | 1.46 | 1.47 | 1.46 | 1.46 | 1.45 | 1.46 | 1.50 | 1.49 |
| 150 | 1.57 | 1.56 | 1.56 | 1.55 | 1.56 | 1.55 | 1.56 | 1.55 | 1.56 | 1.55 | 1.55 | 1.54 | 1.55 | 1.54 | 1.55 | 1.53 | 1.54 | 1.58 | 1.57 |
| 155 | 1.65 | 1.64 | 1.65 | 1.64 | 1.64 | 1.63 | 1.64 | 1.62 | 1.63 | 1.62 | 1.63 | 1.62 | 1.63 | 1.62 | 1.62 | 1.61 | 1.62 | 1.65 | 1.64 |
| 160 | 1.73 | 1.72 | 1.73 | 1.72 | 1.73 | 1.71 | 1.72 | 1.70 | 1.71 | 1.70 | 1.71 | 1.69 | 1.70 | 1.69 | 1.69 | 1.68 | 1.70 | 1.73 | 1.71 |
| 165 | 1.80 | 1.79 | 1.80 | 1.79 | 1.80 | 1.78 | 1.79 | 1.78 | 1.78 | 1.77 | 1.78 | 1.76 | 1.77 | 1.76 | 1.76 | 1.75 | 1.77 | 1.80 | 1.78 |
| 170 | 1.86 | 1.85 | 1.86 | 1.85 | 1.86 | 1.85 | 1.86 | 1.85 | 1.86 | 1.84 | 1.85 | 1.83 | 1.84 | 1.83 | 1.84 | 1.83 | 1.85 | 1.88 | 1.85 |
| 175 | 1.90 | 1.89 | 1.91 | 1.90 | 1.91 | 1.90 | 1.91 | 1.90 | 1.91 | 1.90 | 1.91 | 1.89 | 1.90 | 1.89 | 1.90 | 1.89 | 1.91 | 1.93 | 1.91 |
| 180 | 1.92 | 1.92 | 1.92 | 1.92 | 1.92 | 1.92 | 1.92 | 1.92 | 1.92 | 1.92 | 1.92 | 1.92 | 1.92 | 1.92 | 1.92 | 1.93 | 1.94 | 1.96 | 1.94 |

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2015-06-26

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.351
 Humidity: 65.0%
 Test Distance: 4.950m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--3

UNIT: cd

| C(DEG) γ (DEG) | 190 | 195 | 200 | 205 | 210 | 215 | 220 | 225 | 230 | 235 | 240 | 245 | 250 | 255 | 260 | 265 | 270 | 275 | 280 |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|
| 0 | 164 | 164 | 164 | 164 | 164 | 164 | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 |
| 5 | 163 | 163 | 163 | 162 | 162 | 162 | 162 | 162 | 162 | 162 | 162 | 162 | 162 | 162 | 162 | 163 | 162 | 162 | 163 |
| 10 | 161 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 161 | 161 | 161 |
| 15 | 157 | 156 | 156 | 156 | 156 | 156 | 156 | 156 | 156 | 156 | 156 | 156 | 156 | 157 | 157 | 157 | 157 | 157 | 158 |
| 20 | 152 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 152 | 152 | 152 | 153 | 153 | 153 | 154 |
| 25 | 145 | 145 | 145 | 144 | 144 | 144 | 145 | 145 | 145 | 145 | 145 | 145 | 146 | 146 | 147 | 147 | 148 | 148 | 148 |
| 30 | 138 | 137 | 137 | 137 | 137 | 137 | 137 | 137 | 138 | 138 | 138 | 138 | 139 | 139 | 140 | 140 | 141 | 141 | 142 |
| 35 | 129 | 128 | 128 | 128 | 128 | 128 | 129 | 129 | 129 | 129 | 130 | 130 | 131 | 131 | 132 | 132 | 133 | 133 | 134 |
| 40 | 119 | 118 | 118 | 118 | 118 | 118 | 119 | 119 | 119 | 120 | 120 | 121 | 121 | 122 | 123 | 123 | 124 | 125 | 125 |
| 45 | 108 | 107 | 107 | 107 | 107 | 107 | 108 | 108 | 109 | 109 | 110 | 110 | 111 | 112 | 113 | 113 | 114 | 115 | 115 |
| 50 | 95.7 | 95.1 | 95.2 | 94.9 | 95.3 | 95.2 | 95.8 | 95.9 | 96.7 | 97.0 | 98.0 | 98.5 | 99.4 | 100.0 | 101 | 102 | 103 | 103 | 105 |
| 55 | 82.5 | 81.8 | 82.1 | 81.7 | 82.2 | 82.1 | 82.7 | 82.9 | 83.8 | 84.1 | 85.1 | 85.6 | 86.8 | 87.4 | 88.7 | 89.4 | 90.6 | 91.2 | 92.5 |
| 60 | 68.5 | 67.9 | 68.1 | 67.8 | 68.2 | 68.1 | 68.8 | 69.0 | 69.9 | 70.3 | 71.4 | 71.9 | 73.2 | 73.8 | 75.2 | 76.0 | 77.3 | 78.1 | 79.4 |
| 65 | 53.9 | 53.2 | 53.4 | 53.1 | 53.5 | 53.5 | 54.2 | 54.3 | 55.2 | 55.6 | 56.8 | 57.3 | 58.6 | 59.4 | 60.8 | 61.7 | 63.1 | 64.0 | 65.7 |
| 70 | 38.9 | 38.2 | 38.4 | 38.1 | 38.5 | 38.4 | 39.1 | 39.2 | 40.1 | 40.5 | 41.6 | 42.2 | 43.5 | 44.3 | 45.8 | 46.7 | 48.2 | 49.2 | 50.8 |
| 75 | 24.5 | 24.0 | 24.1 | 23.8 | 24.1 | 24.0 | 24.5 | 24.6 | 25.3 | 25.7 | 26.7 | 27.3 | 28.5 | 29.2 | 30.6 | 31.6 | 33.2 | 34.2 | 35.7 |
| 80 | 12.4 | 12.0 | 11.9 | 11.7 | 11.8 | 11.6 | 11.9 | 11.9 | 12.4 | 12.5 | 13.3 | 13.7 | 14.7 | 15.4 | 16.6 | 17.4 | 18.9 | 19.9 | 21.2 |
| 85 | 4.25 | 3.95 | 3.98 | 3.75 | 3.82 | 3.67 | 3.78 | 3.70 | 3.89 | 3.92 | 4.26 | 4.41 | 4.92 | 5.25 | 6.01 | 6.59 | 7.48 | 8.15 | 9.12 |
| 90 | 0.86 | 0.82 | 0.84 | 0.83 | 0.86 | 0.87 | 0.90 | 0.91 | 0.95 | 0.95 | 1.02 | 1.05 | 1.15 | 1.25 | 1.43 | 1.37 | 1.01 | 1.89 | 2.38 |
| 95 | 0.58 | 0.60 | 0.59 | 0.60 | 0.59 | 0.59 | 0.57 | 0.57 | 0.57 | 0.57 | 0.57 | 0.57 | 0.58 | 0.60 | 0.62 | 0.65 | 0.61 | 0.61 | 0.59 |
| 100 | 0.60 | 0.60 | 0.61 | 0.61 | 0.62 | 0.61 | 0.63 | 0.62 | 0.63 | 0.62 | 0.63 | 0.62 | 0.63 | 0.61 | 0.62 | 0.62 | 0.62 | 0.59 | 0.59 |
| 105 | 0.70 | 0.70 | 0.71 | 0.71 | 0.72 | 0.72 | 0.73 | 0.72 | 0.73 | 0.73 | 0.73 | 0.72 | 0.73 | 0.71 | 0.71 | 0.70 | 0.70 | 0.68 | 0.68 |
| 110 | 0.81 | 0.81 | 0.82 | 0.82 | 0.83 | 0.83 | 0.84 | 0.84 | 0.85 | 0.84 | 0.85 | 0.84 | 0.84 | 0.82 | 0.83 | 0.81 | 0.82 | 0.79 | 0.79 |
| 115 | 0.92 | 0.92 | 0.93 | 0.93 | 0.94 | 0.94 | 0.95 | 0.95 | 0.96 | 0.95 | 0.96 | 0.94 | 0.95 | 0.93 | 0.94 | 0.93 | 0.93 | 0.90 | 0.90 |
| 120 | 1.03 | 1.03 | 1.04 | 1.04 | 1.05 | 1.05 | 1.06 | 1.05 | 1.06 | 1.05 | 1.06 | 1.05 | 1.05 | 1.04 | 1.04 | 1.04 | 1.04 | 1.01 | 1.00 |
| 125 | 1.13 | 1.13 | 1.15 | 1.14 | 1.16 | 1.15 | 1.16 | 1.16 | 1.17 | 1.16 | 1.16 | 1.15 | 1.15 | 1.14 | 1.15 | 1.14 | 1.14 | 1.11 | 1.10 |
| 130 | 1.23 | 1.23 | 1.25 | 1.25 | 1.26 | 1.25 | 1.26 | 1.26 | 1.26 | 1.25 | 1.26 | 1.25 | 1.25 | 1.24 | 1.25 | 1.24 | 1.24 | 1.21 | 1.20 |
| 135 | 1.33 | 1.33 | 1.34 | 1.34 | 1.35 | 1.35 | 1.36 | 1.35 | 1.36 | 1.35 | 1.35 | 1.34 | 1.34 | 1.33 | 1.35 | 1.34 | 1.33 | 1.31 | 1.30 |
| 140 | 1.42 | 1.42 | 1.43 | 1.43 | 1.44 | 1.43 | 1.44 | 1.43 | 1.44 | 1.43 | 1.44 | 1.43 | 1.43 | 1.43 | 1.44 | 1.43 | 1.43 | 1.40 | 1.39 |
| 145 | 1.50 | 1.50 | 1.51 | 1.51 | 1.52 | 1.51 | 1.52 | 1.51 | 1.52 | 1.51 | 1.52 | 1.51 | 1.52 | 1.51 | 1.53 | 1.51 | 1.51 | 1.49 | 1.48 |
| 150 | 1.58 | 1.58 | 1.59 | 1.58 | 1.59 | 1.59 | 1.60 | 1.59 | 1.60 | 1.59 | 1.60 | 1.59 | 1.60 | 1.60 | 1.61 | 1.60 | 1.59 | 1.57 | 1.57 |
| 155 | 1.66 | 1.65 | 1.66 | 1.65 | 1.66 | 1.65 | 1.67 | 1.66 | 1.67 | 1.66 | 1.67 | 1.67 | 1.68 | 1.68 | 1.69 | 1.67 | 1.67 | 1.65 | 1.65 |
| 160 | 1.72 | 1.71 | 1.73 | 1.72 | 1.73 | 1.72 | 1.73 | 1.73 | 1.74 | 1.73 | 1.75 | 1.74 | 1.75 | 1.75 | 1.76 | 1.74 | 1.74 | 1.72 | 1.72 |
| 165 | 1.79 | 1.78 | 1.79 | 1.78 | 1.79 | 1.78 | 1.80 | 1.79 | 1.81 | 1.80 | 1.81 | 1.81 | 1.82 | 1.81 | 1.82 | 1.80 | 1.81 | 1.79 | 1.79 |
| 170 | 1.86 | 1.85 | 1.86 | 1.85 | 1.86 | 1.85 | 1.86 | 1.85 | 1.87 | 1.86 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.86 | 1.86 | 1.85 | 1.85 |
| 175 | 1.92 | 1.90 | 1.91 | 1.90 | 1.91 | 1.90 | 1.91 | 1.90 | 1.91 | 1.90 | 1.92 | 1.90 | 1.92 | 1.90 | 1.91 | 1.90 | 1.91 | 1.89 | 1.90 |
| 180 | 1.94 | 1.93 | 1.93 | 1.93 | 1.93 | 1.92 | 1.92 | 1.92 | 1.92 | 1.92 | 1.92 | 1.92 | 1.92 | 1.92 | 1.92 | 1.92 | 1.92 | 1.92 | 1.92 |

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2015-06-26

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.351
 Humidity: 65.0%
 Test Distance: 4.950m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--4

UNIT: cd

| C(DEG) γ (DEG) | 285 | 290 | 295 | 300 | 305 | 310 | 315 | 320 | 325 | 330 | 335 | 340 | 345 | 350 | 355 | | | | |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|--|--|
| 0 | 163 | 164 | 164 | 164 | 164 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | | | | |
| 5 | 163 | 163 | 164 | 164 | 164 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | | | | |
| 10 | 161 | 162 | 162 | 162 | 163 | 163 | 164 | 164 | 164 | 164 | 164 | 164 | 164 | 164 | 164 | | | | |
| 15 | 158 | 159 | 159 | 160 | 160 | 161 | 161 | 161 | 161 | 161 | 161 | 161 | 161 | 161 | 161 | | | | |
| 20 | 154 | 155 | 155 | 156 | 156 | 157 | 157 | 157 | 157 | 157 | 157 | 157 | 157 | 157 | 157 | | | | |
| 25 | 149 | 150 | 150 | 150 | 151 | 152 | 152 | 152 | 152 | 152 | 152 | 152 | 152 | 152 | 152 | | | | |
| 30 | 142 | 143 | 144 | 144 | 145 | 146 | 146 | 146 | 146 | 146 | 146 | 146 | 146 | 146 | 146 | | | | |
| 35 | 135 | 136 | 136 | 137 | 137 | 138 | 138 | 138 | 138 | 138 | 138 | 139 | 139 | 139 | 138 | | | | |
| 40 | 126 | 127 | 127 | 128 | 129 | 130 | 130 | 130 | 130 | 130 | 130 | 130 | 130 | 130 | 130 | | | | |
| 45 | 116 | 117 | 118 | 119 | 119 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | | | | |
| 50 | 105 | 106 | 107 | 108 | 108 | 109 | 109 | 109 | 109 | 109 | 109 | 110 | 109 | 109 | 109 | | | | |
| 55 | 93.4 | 94.4 | 94.9 | 96.2 | 96.3 | 96.9 | 96.9 | 97.3 | 97.3 | 97.7 | 97.5 | 97.9 | 97.5 | 97.7 | 97.3 | | | | |
| 60 | 80.4 | 81.4 | 82.2 | 83.1 | 83.3 | 83.9 | 84.0 | 84.5 | 84.5 | 85.0 | 84.9 | 85.1 | 84.9 | 85.0 | 84.6 | | | | |
| 65 | 66.3 | 67.5 | 68.2 | 69.1 | 69.3 | 70.1 | 70.2 | 70.8 | 70.9 | 71.4 | 71.3 | 71.6 | 71.3 | 71.5 | 71.2 | | | | |
| 70 | 51.5 | 52.9 | 53.4 | 54.3 | 54.6 | 55.5 | 55.7 | 56.4 | 56.5 | 57.1 | 56.9 | 57.3 | 57.0 | 57.3 | 56.9 | | | | |
| 75 | 36.5 | 37.7 | 38.2 | 39.2 | 39.6 | 40.5 | 40.8 | 41.6 | 41.7 | 42.3 | 42.2 | 42.6 | 42.4 | 42.7 | 42.4 | | | | |
| 80 | 21.8 | 22.9 | 23.5 | 24.5 | 25.0 | 25.9 | 26.2 | 27.0 | 27.2 | 27.7 | 27.8 | 28.2 | 28.1 | 28.4 | 28.2 | | | | |
| 85 | 9.64 | 10.5 | 11.0 | 11.8 | 12.3 | 13.1 | 13.4 | 14.1 | 14.4 | 14.9 | 15.0 | 15.4 | 15.3 | 15.6 | 15.3 | | | | |
| 90 | 2.63 | 3.08 | 3.40 | 3.90 | 4.22 | 4.74 | 5.04 | 5.51 | 5.74 | 6.11 | 6.22 | 6.46 | 6.46 | 6.59 | 6.47 | | | | |
| 95 | 0.60 | 0.80 | 0.97 | 1.21 | 1.42 | 1.67 | 1.83 | 2.07 | 2.19 | 2.38 | 2.45 | 2.57 | 2.56 | 2.60 | 2.52 | | | | |
| 100 | 0.57 | 0.57 | 0.55 | 0.60 | 0.65 | 0.66 | 0.68 | 0.70 | 0.78 | 0.84 | 0.85 | 0.90 | 0.88 | 0.89 | 0.84 | | | | |
| 105 | 0.66 | 0.66 | 0.64 | 0.63 | 0.62 | 0.61 | 0.60 | 0.60 | 0.60 | 0.59 | 0.59 | 0.58 | 0.57 | 0.57 | 0.56 | | | | |
| 110 | 0.77 | 0.76 | 0.74 | 0.74 | 0.72 | 0.72 | 0.70 | 0.70 | 0.68 | 0.68 | 0.67 | 0.67 | 0.66 | 0.67 | 0.66 | | | | |
| 115 | 0.88 | 0.87 | 0.85 | 0.85 | 0.83 | 0.83 | 0.81 | 0.81 | 0.79 | 0.79 | 0.78 | 0.78 | 0.78 | 0.78 | 0.77 | | | | |
| 120 | 0.98 | 0.98 | 0.96 | 0.95 | 0.93 | 0.93 | 0.92 | 0.92 | 0.90 | 0.90 | 0.89 | 0.89 | 0.88 | 0.89 | 0.88 | | | | |
| 125 | 1.08 | 1.08 | 1.06 | 1.06 | 1.04 | 1.04 | 1.02 | 1.02 | 1.00 | 1.01 | 1.00 | 1.00 | 0.99 | 1.00 | 0.99 | | | | |
| 130 | 1.18 | 1.18 | 1.16 | 1.15 | 1.14 | 1.14 | 1.12 | 1.12 | 1.11 | 1.11 | 1.10 | 1.10 | 1.09 | 1.10 | 1.10 | | | | |
| 135 | 1.28 | 1.27 | 1.25 | 1.25 | 1.23 | 1.24 | 1.22 | 1.22 | 1.21 | 1.21 | 1.20 | 1.21 | 1.20 | 1.20 | 1.20 | | | | |
| 140 | 1.37 | 1.37 | 1.35 | 1.35 | 1.33 | 1.33 | 1.32 | 1.32 | 1.31 | 1.31 | 1.30 | 1.31 | 1.30 | 1.30 | 1.29 | | | | |
| 145 | 1.46 | 1.45 | 1.44 | 1.44 | 1.42 | 1.42 | 1.41 | 1.42 | 1.40 | 1.41 | 1.40 | 1.41 | 1.40 | 1.41 | 1.39 | | | | |
| 150 | 1.54 | 1.54 | 1.53 | 1.52 | 1.51 | 1.51 | 1.50 | 1.51 | 1.50 | 1.50 | 1.49 | 1.50 | 1.50 | 1.50 | 1.49 | | | | |
| 155 | 1.63 | 1.62 | 1.61 | 1.61 | 1.60 | 1.60 | 1.59 | 1.60 | 1.59 | 1.59 | 1.58 | 1.59 | 1.59 | 1.59 | 1.58 | | | | |
| 160 | 1.70 | 1.70 | 1.69 | 1.69 | 1.67 | 1.68 | 1.67 | 1.68 | 1.67 | 1.68 | 1.67 | 1.68 | 1.67 | 1.68 | 1.67 | | | | |
| 165 | 1.78 | 1.78 | 1.76 | 1.76 | 1.75 | 1.75 | 1.74 | 1.75 | 1.74 | 1.75 | 1.74 | 1.76 | 1.75 | 1.76 | 1.75 | | | | |
| 170 | 1.84 | 1.84 | 1.83 | 1.83 | 1.82 | 1.82 | 1.81 | 1.82 | 1.81 | 1.82 | 1.81 | 1.83 | 1.82 | 1.83 | 1.83 | | | | |
| 175 | 1.89 | 1.90 | 1.88 | 1.89 | 1.88 | 1.89 | 1.87 | 1.88 | 1.87 | 1.88 | 1.87 | 1.89 | 1.88 | 1.90 | 1.89 | | | | |
| 180 | 1.92 | 1.92 | 1.92 | 1.92 | 1.92 | 1.92 | 1.92 | 1.92 | 1.92 | 1.92 | 1.92 | 1.92 | 1.92 | 1.94 | 1.94 | | | | |

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2015-06-26

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.351
 Humidity: 65.0%
 Test Distance: 4.950m [K=1.0000]
 Remarks: