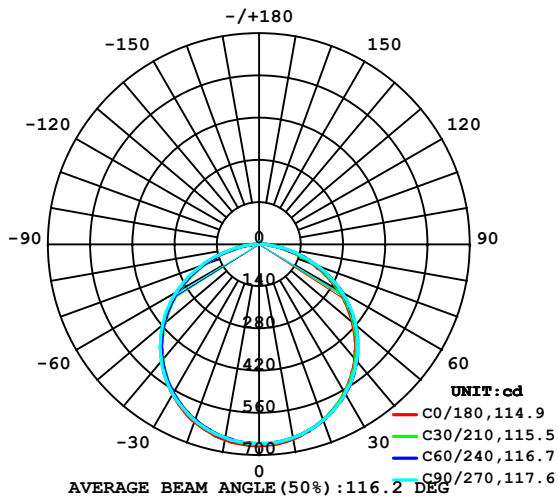


LUMINAIRE PHOTOMETRIC TEST REPORT

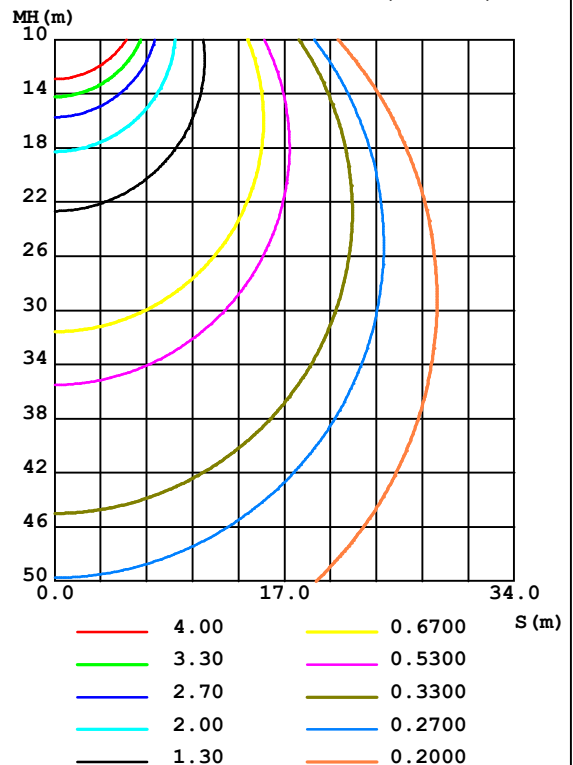
| | | |
|---|----------------------|-----------------------|
| Test:U:23.99V I:1.306A P:31.32W PF:1.000 Lamp Flux:2002.58x1 lm | | |
| NAME: LED Strip | TYPE:Indoor lighting | WEIGHT:25g |
| SPEC.:2835 168LED WW | DIM.: 1000*8*1MM | SERIAL No.:2015062304 |
| MFR.: DILUX | SUR.:1000*8mm | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 63.94 lm/W | | | |
|-----------------------------------|---------|----------------------------------|--------|------------------------|----------|
| WW-FLS102T29WW168B-24 (WCP)-10-UR | | Imax(cd) | 670.5 | S/MH(C0/180) | 1.28 |
| NOMINAL POWER(W) | 40.32 | LOR(%) | 100.0 | S/MH(C90/270) | 1.29 |
| RATED VOLTAGE(V) | DC 24 | TOTAL FLUX(lm) | 2002.6 | η UP,DN(C0-180) | 0.7,49.2 |
| NOMINAL FLUX(lm) | 2002.58 | CIE CLASS | DIRECT | η UP,DN(C180-360) | 0.7,49.4 |
| LAMPS INSIDE | 1 | η up(%) | 1.3 | CIBSE SHR NOM | 1.25 |
| TEST VOLTAGE(V) | 24 | η down(%) | 98.7 | 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:2015-06-24

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

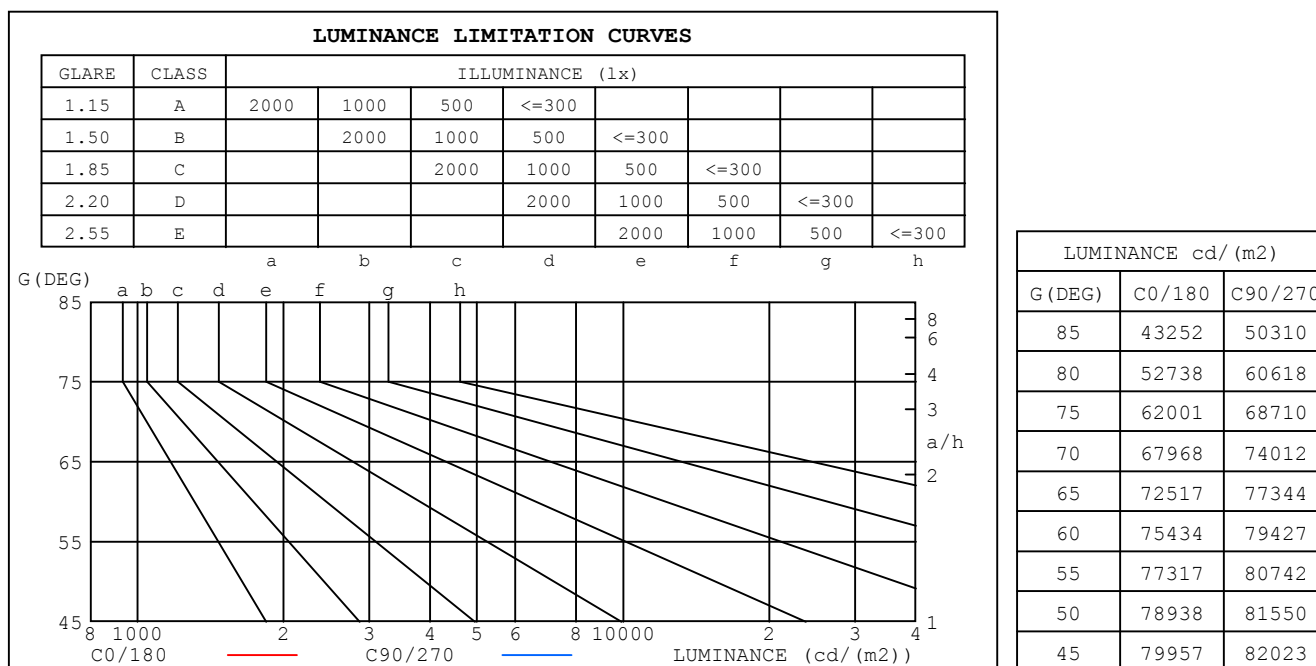
ZONAL FLUX DIAGRAM:

| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ | Φ zone | Φ total | %lum, lamp |
|----------|-----------------------|-------|-------|-------|-------|-------|-------|-------|----------|-------------|--------------|------------|
| 10 | 655.7 | 652.4 | 651.5 | 659.1 | 658.8 | 651.3 | 652.0 | 661.2 | 0- 10 | 62.98 | 62.98 | 3.15,3.15 |
| 20 | 621.7 | 621.9 | 621.5 | 627.3 | 627.3 | 619.6 | 622.2 | 631.1 | 10- 20 | 181.1 | 244.1 | 12.2,12.2 |
| 30 | 567.6 | 571.8 | 572.3 | 575.2 | 575.0 | 568.1 | 573.3 | 580.5 | 20- 30 | 276.8 | 520.9 | 26,26 |
| 40 | 494.7 | 503.1 | 504.6 | 503.3 | 503.6 | 497.6 | 505.5 | 510.7 | 30- 40 | 337.7 | 858.6 | 42.9,42.9 |
| 50 | 405.9 | 416.9 | 419.4 | 413.7 | 415.2 | 409.2 | 419.9 | 423.5 | 40- 50 | 355.6 | 1214 | 60.6,60.6 |
| 60 | 301.7 | 314.3 | 317.7 | 307.3 | 310.1 | 304.2 | 317.3 | 320.0 | 50- 60 | 326.4 | 1541 | 76.9,76.9 |
| 70 | 186.0 | 199.4 | 202.5 | 189.4 | 193.7 | 187.3 | 201.0 | 203.9 | 60- 70 | 251.9 | 1792 | 89.5,89.5 |
| 80 | 73.26 | 83.04 | 84.21 | 73.60 | 78.51 | 70.75 | 82.14 | 86.41 | 70- 80 | 143.7 | 1936 | 96.7,96.7 |
| 90 | 7.510 | 8.349 | 4.124 | 6.966 | 8.321 | 5.506 | 4.302 | 11.12 | 80- 90 | 39.59 | 1976 | 98.7,98.7 |
| 100 | 1.956 | 2.004 | 2.291 | 2.118 | 2.215 | 2.284 | 2.394 | 2.538 | 90-100 | 3.533 | 1979 | 98.8,98.8 |
| 110 | 2.769 | 2.828 | 3.060 | 2.946 | 2.921 | 3.122 | 3.231 | 3.019 | 100-110 | 2.702 | 1982 | 99,99 |
| 120 | 3.635 | 3.694 | 3.957 | 3.829 | 3.809 | 4.010 | 4.130 | 3.892 | 110-120 | 3.392 | 1985 | 99.1,99.1 |
| 130 | 4.493 | 4.527 | 4.805 | 4.677 | 4.647 | 4.848 | 4.954 | 4.714 | 120-130 | 3.831 | 1989 | 99.3,99.3 |
| 140 | 5.317 | 5.357 | 5.620 | 5.480 | 5.447 | 5.612 | 5.720 | 5.500 | 130-140 | 3.942 | 1993 | 99.5,99.5 |
| 150 | 6.070 | 6.120 | 6.338 | 6.195 | 6.176 | 6.285 | 6.412 | 6.214 | 140-150 | 3.675 | 1997 | 99.7,99.7 |
| 160 | 6.796 | 6.790 | 6.975 | 6.835 | 6.850 | 6.889 | 7.020 | 6.844 | 150-160 | 3.025 | 2000 | 99.9,99.9 |
| 170 | 7.472 | 7.368 | 7.494 | 7.454 | 7.529 | 7.471 | 7.518 | 7.389 | 160-170 | 2.023 | 2002 | 100,100 |
| 180 | 7.909 | 7.776 | 7.795 | 7.783 | 7.914 | 7.783 | 7.798 | 7.779 | 170-180 | 0.7252 | 2003 | 100,100 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2015-06-24

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:

LUMINANCE LIMITATION CURVES

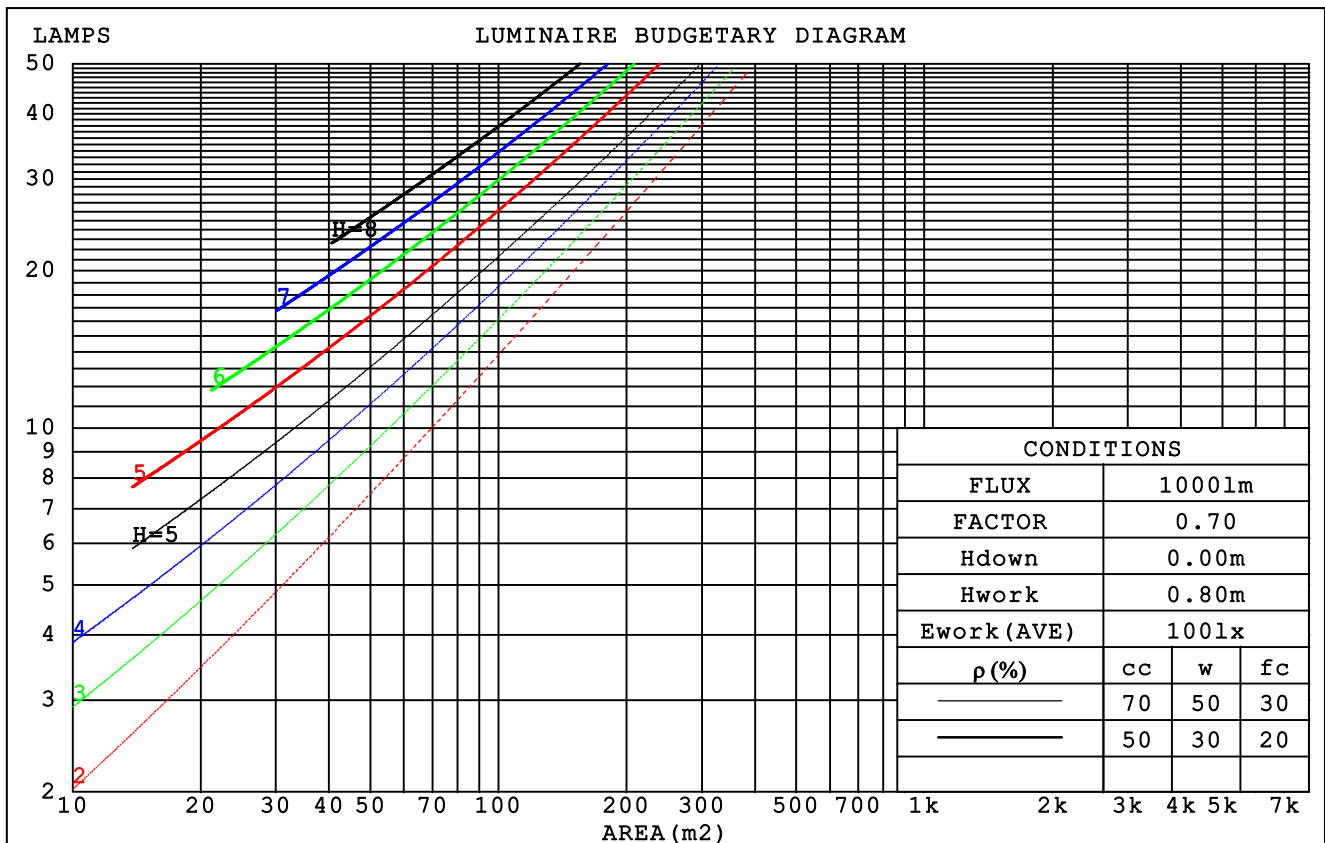


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2015-06-24

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

| pcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|-----------------|-----------------------|------|------|---------------------------------|------|------|------|------|------|------|------|------|------|------|------|-----|
| p _w | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| p _{fc} | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | Coefficients of Utilization(CU) | | | | | | | | | | | | |
| 0.0 | 1.19 | 1.19 | 1.19 | 1.16 | 1.16 | 1.16 | 1.10 | 1.10 | 1.10 | 1.05 | 1.05 | 1.05 | 1.01 | 1.01 | 1.01 | .99 |
| 1.0 | 1.03 | .99 | .95 | 1.01 | .97 | .93 | .96 | .93 | .90 | .92 | .90 | .87 | .88 | .86 | .84 | .82 |
| 2.0 | .90 | .83 | .77 | .88 | .81 | .76 | .84 | .79 | .74 | .81 | .76 | .72 | .77 | .74 | .70 | .68 |
| 3.0 | .79 | .70 | .64 | .77 | .69 | .63 | .74 | .67 | .62 | .71 | .65 | .61 | .68 | .63 | .59 | .57 |
| 4.0 | .70 | .61 | .54 | .68 | .60 | .53 | .65 | .58 | .52 | .63 | .57 | .52 | .61 | .55 | .51 | .48 |
| 5.0 | .62 | .53 | .46 | .61 | .52 | .46 | .58 | .51 | .45 | .56 | .50 | .45 | .54 | .49 | .44 | .42 |
| 6.0 | .56 | .47 | .40 | .55 | .46 | .40 | .53 | .45 | .39 | .51 | .44 | .39 | .49 | .43 | .39 | .36 |
| 7.0 | .50 | .42 | .35 | .50 | .41 | .35 | .48 | .40 | .35 | .46 | .40 | .34 | .45 | .39 | .34 | .32 |
| 8.0 | .46 | .37 | .31 | .45 | .37 | .31 | .44 | .36 | .31 | .42 | .36 | .31 | .41 | .35 | .30 | .29 |
| 9.0 | .42 | .34 | .28 | .41 | .34 | .28 | .40 | .33 | .28 | .39 | .32 | .28 | .38 | .32 | .27 | .26 |
| 10.0 | .39 | .31 | .26 | .38 | .31 | .25 | .37 | .30 | .25 | .36 | .30 | .25 | .35 | .29 | .25 | .23 |



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2015-06-24

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

| 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 | | | | | | Wall Exitance Coefficients (WEC) | | | | | | | | | | |
| 0.0 | | | | | | | | | | | | | | | | | |
| 1.0 | .314 | .178 | .056 | .306 | .175 | .055 | .292 | .168 | .053 | .279 | .161 | .052 | .267 | .155 | .050 | | |
| 2.0 | .295 | .161 | .050 | .288 | .159 | .049 | .276 | .153 | .048 | .264 | .148 | .046 | .254 | .143 | .045 | | |
| 3.0 | .272 | .145 | .043 | .267 | .143 | .043 | .255 | .138 | .042 | .245 | .134 | .041 | .236 | .131 | .040 | | |
| 4.0 | .251 | .131 | .038 | .246 | .129 | .038 | .236 | .125 | .037 | .227 | .122 | .037 | .219 | .119 | .036 | | |
| 5.0 | .232 | .118 | .034 | .227 | .117 | .034 | .219 | .114 | .034 | .210 | .111 | .033 | .203 | .108 | .033 | | |
| 6.0 | .215 | .108 | .031 | .211 | .107 | .031 | .203 | .104 | .030 | .196 | .102 | .030 | .189 | .099 | .030 | | |
| 7.0 | .200 | .099 | .028 | .196 | .098 | .028 | .189 | .096 | .028 | .183 | .094 | .027 | .177 | .092 | .027 | | |
| 8.0 | .187 | .091 | .026 | .183 | .090 | .026 | .177 | .088 | .025 | .171 | .087 | .025 | .166 | .085 | .025 | | |
| 9.0 | .175 | .085 | .024 | .172 | .084 | .024 | .166 | .082 | .023 | .161 | .081 | .023 | .156 | .079 | .023 | | |
| 10.0 | .164 | .079 | .022 | .162 | .078 | .022 | .156 | .077 | .022 | .152 | .075 | .021 | .147 | .074 | .021 | | |

| 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 | | | | | | Ceiling Cavity Exitance Coefficients(CCEC) | | | | | | | | | |
| 0.0 | .201 | .201 | .201 | .172 | .172 | .172 | .117 | .117 | .117 | .067 | .067 | .067 | .022 | .022 | .022 | |
| 1.0 | .191 | .166 | .144 | .163 | .143 | .124 | .112 | .098 | .086 | .064 | .057 | .050 | .021 | .018 | .016 | |
| 2.0 | .183 | .142 | .108 | .157 | .122 | .093 | .107 | .085 | .065 | .062 | .049 | .038 | .020 | .016 | .012 | |
| 3.0 | .175 | .125 | .084 | .150 | .108 | .073 | .103 | .075 | .051 | .060 | .044 | .030 | .019 | .014 | .010 | |
| 4.0 | .168 | .112 | .068 | .144 | .096 | .059 | .099 | .067 | .042 | .057 | .039 | .025 | .018 | .013 | .008 | |
| 5.0 | .160 | .101 | .057 | .138 | .088 | .050 | .095 | .061 | .035 | .055 | .036 | .021 | .018 | .012 | .007 | |
| 6.0 | .153 | .093 | .049 | .132 | .080 | .043 | .091 | .056 | .030 | .053 | .033 | .018 | .017 | .011 | .006 | |
| 7.0 | .146 | .086 | .044 | .126 | .075 | .038 | .087 | .052 | .027 | .051 | .031 | .016 | .016 | .010 | .005 | |
| 8.0 | .140 | .080 | .039 | .120 | .070 | .034 | .083 | .049 | .024 | .048 | .029 | .014 | .016 | .009 | .005 | |
| 9.0 | .134 | .075 | .036 | .115 | .065 | .031 | .080 | .046 | .022 | .047 | .027 | .013 | .015 | .009 | .004 | |
| 10.0 | .128 | .071 | .033 | .110 | .062 | .029 | .077 | .043 | .020 | .045 | .026 | .012 | .014 | .008 | .004 | |

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2015-06-24

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 | 28.0 | 29.5 | 28.3 | 29.7 | 29.9 | 28.2 | 29.7 | 28.5 | 29.9 | 30.2 |
| 3H | 29.5 | 30.9 | 29.8 | 31.1 | 31.4 | 29.8 | 31.2 | 30.1 | 31.5 | 31.7 |
| 4H | 30.1 | 31.4 | 30.4 | 31.7 | 32.0 | 30.4 | 31.8 | 30.8 | 32.0 | 32.3 |
| 6H | 30.4 | 31.7 | 30.8 | 32.0 | 32.3 | 30.9 | 32.1 | 31.2 | 32.4 | 32.7 |
| 8H | 30.5 | 31.8 | 30.9 | 32.1 | 32.4 | 31.0 | 32.2 | 31.4 | 32.5 | 32.8 |
| 12H | 30.6 | 31.8 | 31.0 | 32.1 | 32.4 | 31.1 | 32.2 | 31.5 | 32.6 | 32.9 |
| 4H 2H | 28.6 | 30.0 | 29.0 | 30.2 | 30.5 | 28.8 | 30.1 | 29.1 | 30.4 | 30.7 |
| 3H | 30.3 | 31.5 | 30.7 | 31.8 | 32.1 | 30.6 | 31.8 | 31.0 | 32.1 | 32.4 |
| 4H | 31.0 | 32.1 | 31.4 | 32.4 | 32.8 | 31.4 | 32.4 | 31.8 | 32.8 | 33.1 |
| 6H | 31.5 | 32.5 | 31.9 | 32.8 | 33.2 | 31.9 | 32.9 | 32.3 | 33.2 | 33.6 |
| 8H | 31.7 | 32.6 | 32.1 | 33.0 | 33.4 | 32.1 | 33.0 | 32.5 | 33.4 | 33.8 |
| 12H | 31.8 | 32.6 | 32.2 | 33.0 | 33.4 | 32.2 | 33.0 | 32.7 | 33.4 | 33.9 |
| 8H 4H | 31.3 | 32.2 | 31.8 | 32.6 | 33.0 | 31.6 | 32.5 | 32.0 | 32.9 | 33.3 |
| 6H | 32.0 | 32.7 | 32.4 | 33.1 | 33.6 | 32.3 | 33.1 | 32.8 | 33.5 | 33.9 |
| 8H | 32.2 | 32.8 | 32.7 | 33.3 | 33.8 | 32.6 | 33.2 | 33.1 | 33.7 | 34.2 |
| 12H | 32.4 | 32.9 | 32.9 | 33.4 | 33.9 | 32.8 | 33.3 | 33.3 | 33.8 | 34.3 |
| 12H 4H | 31.3 | 32.1 | 31.8 | 32.6 | 33.0 | 31.6 | 32.4 | 32.1 | 32.8 | 33.3 |
| 6H | 32.0 | 32.7 | 32.5 | 33.1 | 33.6 | 32.4 | 33.0 | 32.8 | 33.5 | 33.9 |
| 8H | 32.3 | 32.9 | 32.8 | 33.3 | 33.8 | 32.7 | 33.2 | 33.2 | 33.7 | 34.2 |
| Variations with the observer position at spacings: | | | | | | | | | | |
| S = 1.0H | + 0.2 / - 0.2 | | | | | + 0.1 / - 0.2 | | | | |
| 1.5H | + 0.2 / - 0.3 | | | | | + 0.2 / - 0.3 | | | | |
| 2.0H | + 0.2 / - 0.4 | | | | | + 0.2 / - 0.3 | | | | |

CIE Pub.117 Corrected 2003 lm Total Lamp Luminous Flux. (8log(F/F0) = 2.4)

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2015-06-24

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:

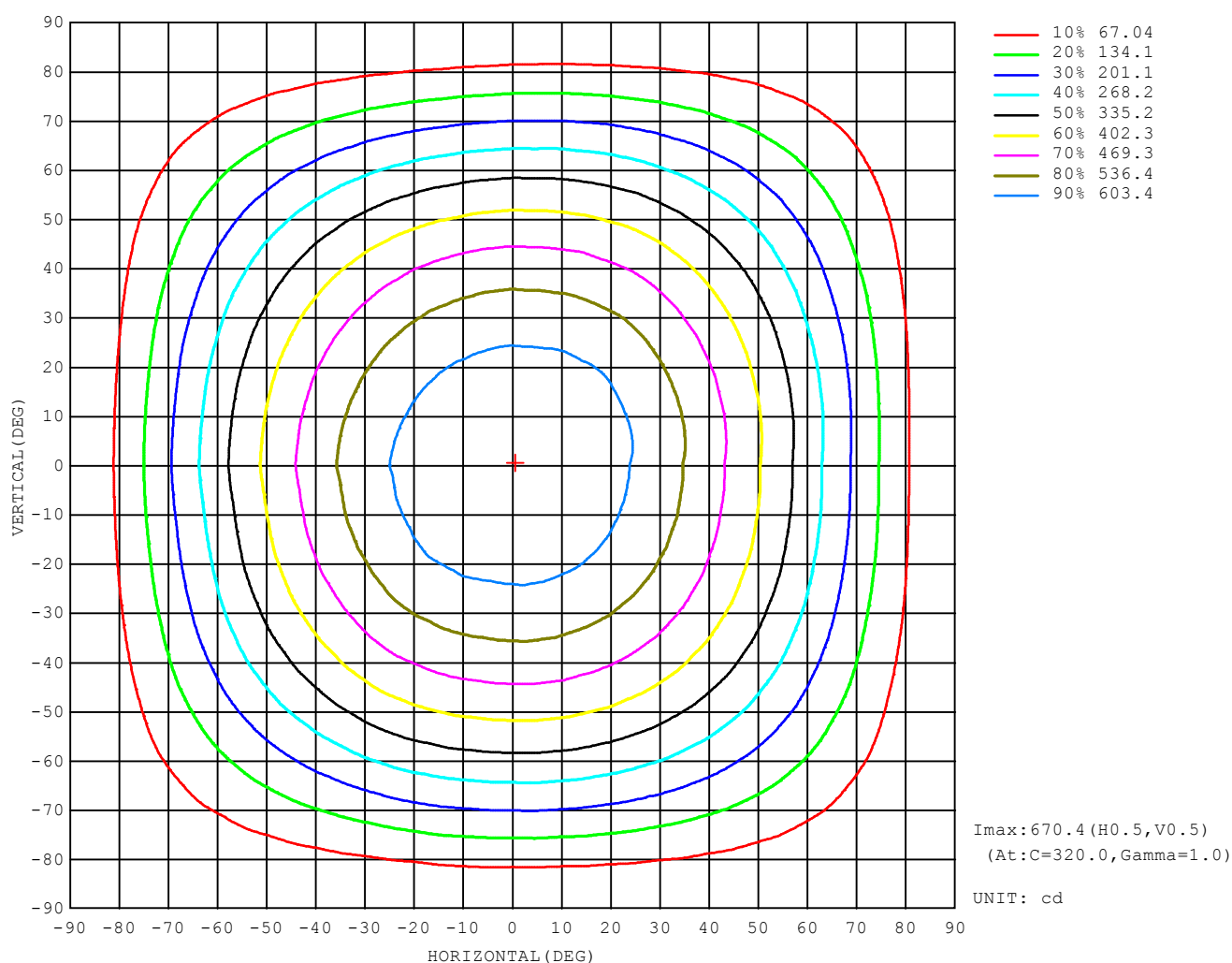
UTILIZATION FACTORS TABLE

| 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) $k(RI) \times RCR = 5$ | | | | | | | | | |
| $k = 0.60$ | 56 | 45 | 38 | 56 | 44 | 38 | 54 | 44 | 37 | 31 |
| 0.80 | 67 | 55 | 47 | 65 | 54 | 47 | 64 | 53 | 47 | 40 |
| 1.00 | 75 | 64 | 56 | 74 | 63 | 56 | 71 | 64 | 55 | 48 |
| 1.25 | 82 | 71 | 64 | 81 | 71 | 64 | 78 | 69 | 63 | 55 |
| 1.50 | 87 | 77 | 70 | 85 | 76 | 69 | 82 | 74 | 68 | 60 |
| 2.00 | 94 | 85 | 79 | 92 | 84 | 78 | 88 | 82 | 76 | 68 |
| 2.50 | 98 | 90 | 84 | 96 | 89 | 83 | 92 | 86 | 81 | 72 |
| 3.00 | 102 | 95 | 89 | 99 | 93 | 88 | 95 | 90 | 85 | 77 |
| 4.00 | 106 | 100 | 95 | 103 | 98 | 94 | 99 | 94 | 91 | 81 |
| 5.00 | 108 | 103 | 99 | 106 | 101 | 97 | 101 | 97 | 94 | 84 |
| 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: 2015-06-24

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:

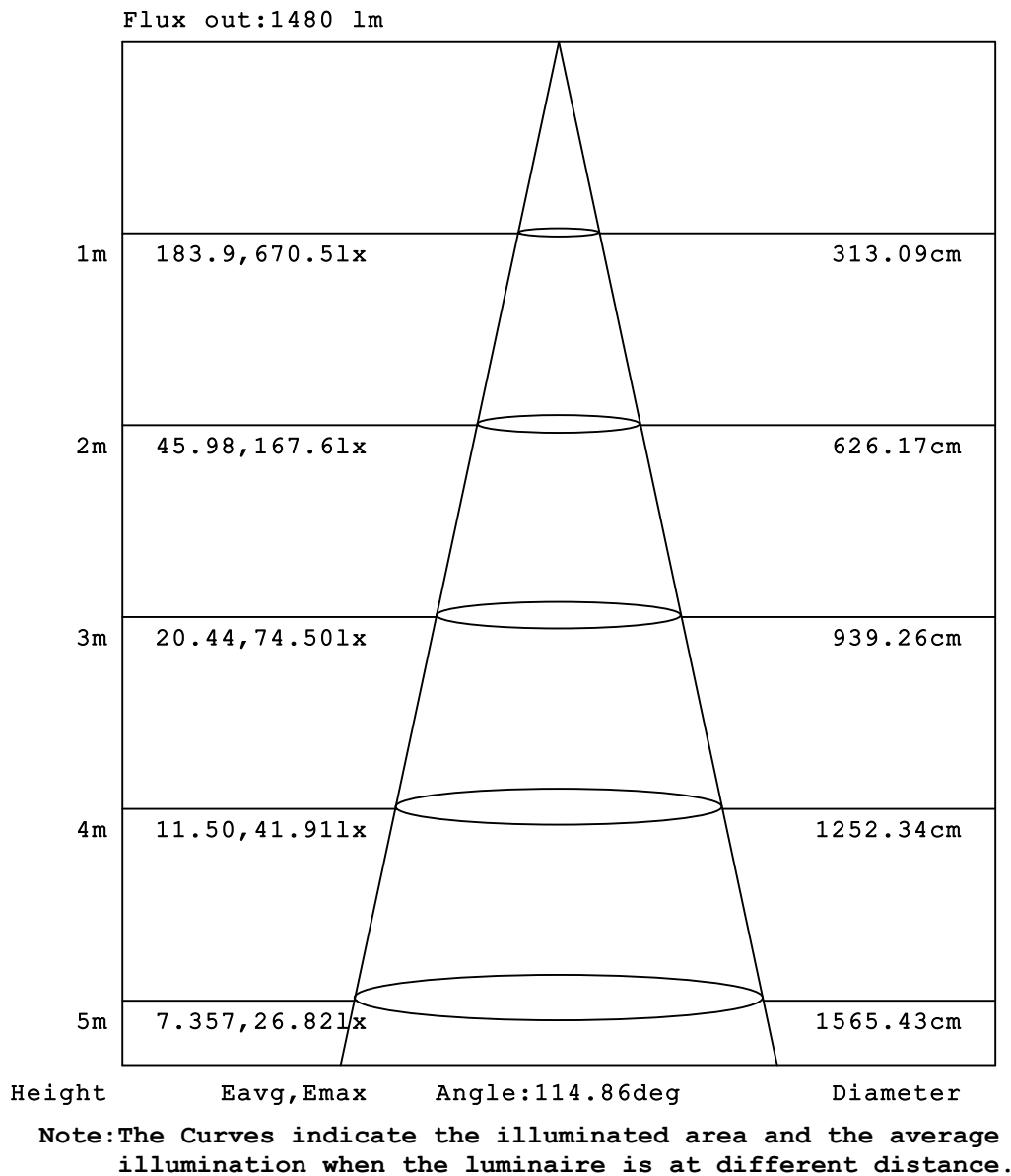
ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2015-06-24

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:

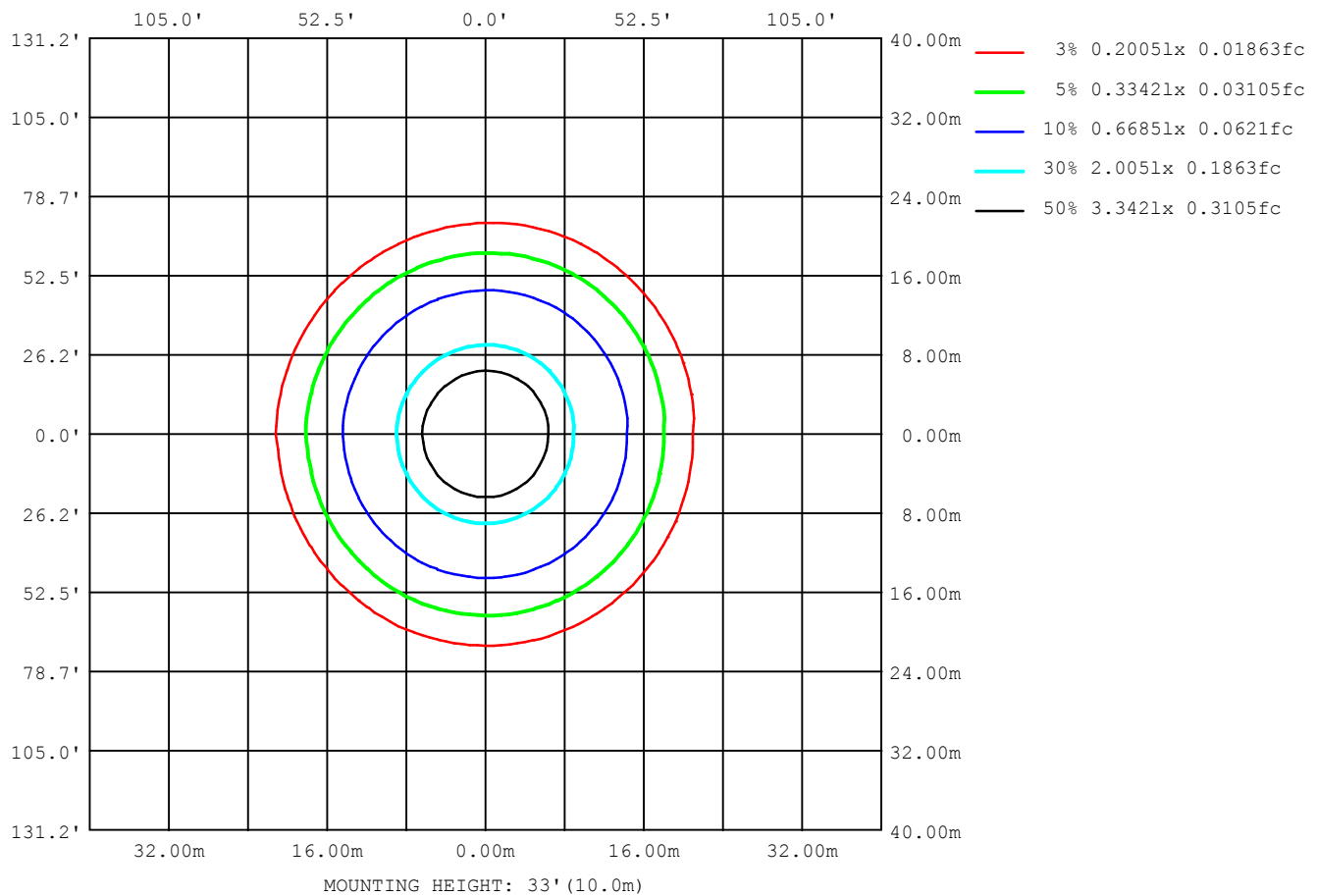
AAI Figure



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2015-06-24

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: 2015-06-24

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:23.99V I:1.306A P:31.32W PF:1.000 Lamp Flux:2002.58x1 lm | | |
| NAME: LED Strip | TYPE:Indoor lighting | WEIGHT:25g |
| SPEC.:2835 168LED WW | DIM.: 1000*8*1MM | SERIAL No.:2015062304 |
| MFR.: DILUX | SUR.:1000*8mm | Shielding Angle: |

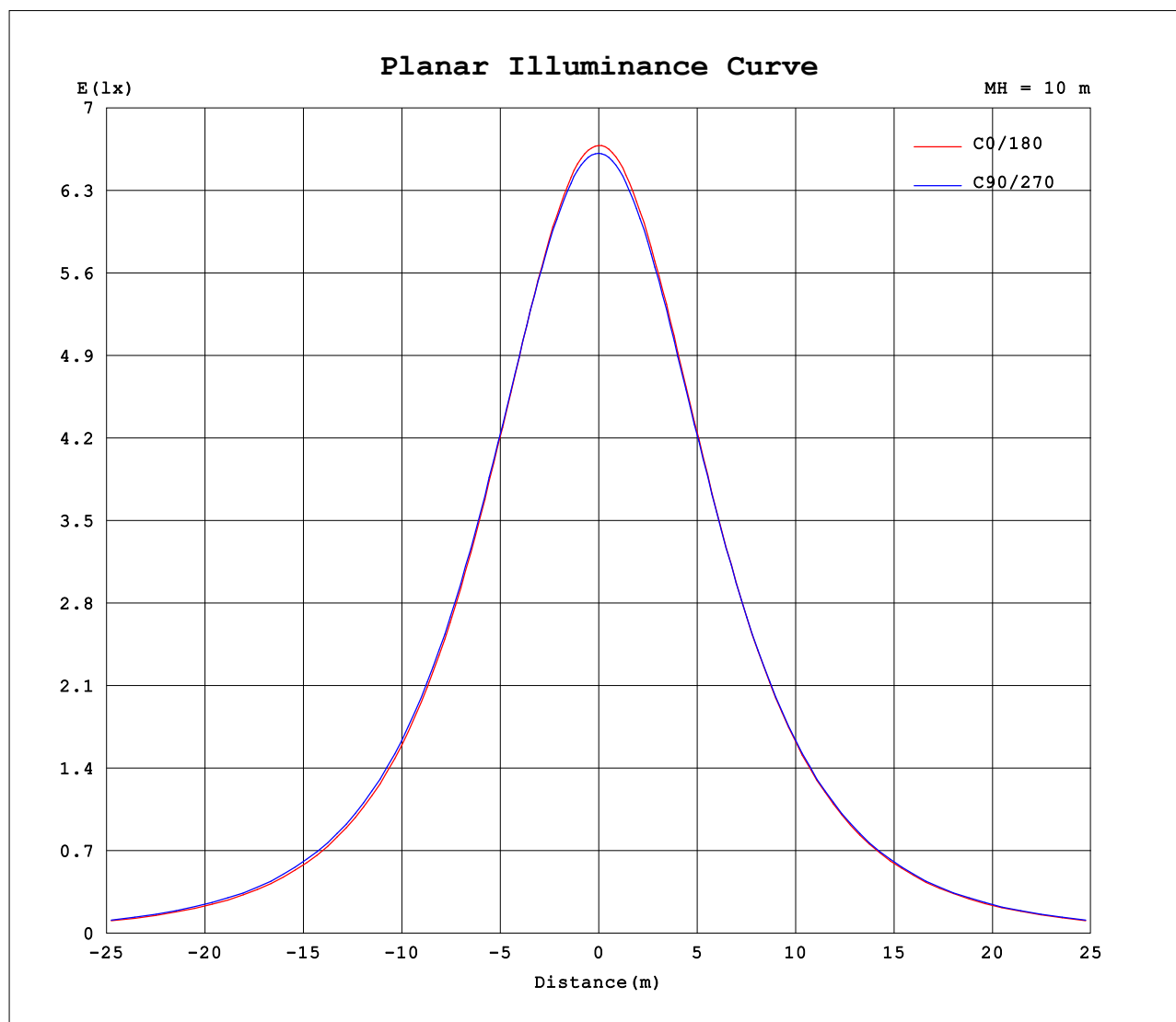
| AvgL | cd/m2 |
|------------------|-------|
| L_0~180 (65) av | 73743 |
| L_0~180 (75) av | 63389 |
| L_0~180 (85) av | 45359 |
| L_90~270 (65) av | 77191 |
| L_90~270 (75) av | 68276 |
| L_90~270 (85) av | 49050 |
| L_45 (65) av | 75296 |
| L_45 (75) av | 65288 |
| L_45 (85) av | 46512 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2015-06-24

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: 2015-06-24

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 | 668 | 667 | 666 | 665 | 664 | 663 | 663 | 663 | 663 | 662 | 662 | 662 | 661 | 661 | 662 | 661 | 662 | 662 | 662 |
| 5 | 665 | 664 | 663 | 662 | 661 | 661 | 661 | 661 | 660 | 660 | 660 | 660 | 659 | 659 | 659 | 659 | 659 | 660 | 659 |
| 10 | 656 | 655 | 654 | 654 | 653 | 652 | 652 | 653 | 652 | 652 | 652 | 653 | 652 | 652 | 652 | 652 | 652 | 652 | 652 |
| 15 | 641 | 641 | 640 | 640 | 639 | 639 | 639 | 640 | 639 | 640 | 640 | 640 | 639 | 639 | 640 | 640 | 640 | 640 | 639 |
| 20 | 622 | 622 | 621 | 621 | 620 | 621 | 621 | 622 | 621 | 622 | 622 | 623 | 622 | 622 | 622 | 623 | 622 | 623 | 622 |
| 25 | 597 | 597 | 597 | 597 | 597 | 597 | 597 | 598 | 599 | 599 | 599 | 600 | 600 | 600 | 600 | 601 | 600 | 601 | 599 |
| 30 | 568 | 568 | 568 | 568 | 568 | 569 | 569 | 571 | 571 | 572 | 572 | 573 | 573 | 573 | 573 | 574 | 573 | 574 | 572 |
| 35 | 534 | 535 | 534 | 535 | 535 | 536 | 536 | 538 | 538 | 540 | 540 | 541 | 541 | 542 | 541 | 543 | 542 | 542 | 541 |
| 40 | 495 | 496 | 495 | 497 | 497 | 499 | 499 | 501 | 501 | 503 | 503 | 505 | 505 | 506 | 505 | 507 | 506 | 506 | 505 |
| 45 | 452 | 454 | 453 | 455 | 455 | 457 | 457 | 459 | 460 | 462 | 462 | 464 | 464 | 465 | 464 | 466 | 465 | 466 | 464 |
| 50 | 406 | 407 | 407 | 409 | 409 | 411 | 412 | 414 | 414 | 417 | 417 | 419 | 419 | 421 | 420 | 421 | 421 | 421 | 419 |
| 55 | 355 | 356 | 357 | 359 | 359 | 361 | 362 | 364 | 365 | 367 | 368 | 370 | 370 | 371 | 371 | 372 | 372 | 372 | 370 |
| 60 | 302 | 303 | 304 | 306 | 306 | 309 | 309 | 312 | 312 | 314 | 315 | 317 | 317 | 318 | 318 | 320 | 319 | 320 | 318 |
| 65 | 245 | 247 | 247 | 250 | 250 | 253 | 253 | 256 | 256 | 258 | 258 | 261 | 261 | 262 | 262 | 263 | 263 | 263 | 261 |
| 70 | 186 | 188 | 188 | 191 | 191 | 194 | 194 | 197 | 197 | 199 | 199 | 201 | 201 | 203 | 203 | 204 | 203 | 204 | 203 |
| 75 | 128 | 130 | 130 | 133 | 133 | 135 | 136 | 138 | 138 | 140 | 140 | 142 | 141 | 143 | 142 | 144 | 143 | 144 | 142 |
| 80 | 73.3 | 75.4 | 75.0 | 77.5 | 77.2 | 79.7 | 79.4 | 81.6 | 81.2 | 83.0 | 82.5 | 84.1 | 83.3 | 84.7 | 84.1 | 85.5 | 84.1 | 85.4 | 84.2 |
| 85 | 30.2 | 30.9 | 31.4 | 32.2 | 32.6 | 33.6 | 33.3 | 34.6 | 34.3 | 35.4 | 34.8 | 35.8 | 35.0 | 35.7 | 35.0 | 35.9 | 35.1 | 35.8 | 35.1 |
| 90 | 7.51 | 7.93 | 7.84 | 8.25 | 8.12 | 8.45 | 8.25 | 8.47 | 8.16 | 8.35 | 8.00 | 8.11 | 7.67 | 7.68 | 7.16 | 6.94 | 6.38 | 6.02 | 4.12 |
| 95 | 2.30 | 2.36 | 2.34 | 2.41 | 2.38 | 2.43 | 2.38 | 2.42 | 2.32 | 2.29 | 2.13 | 2.04 | 2.00 | 2.04 | 2.12 | 2.27 | 2.45 | 2.54 | 2.63 |
| 100 | 1.96 | 1.96 | 1.95 | 1.95 | 1.95 | 1.95 | 1.96 | 1.97 | 1.99 | 2.00 | 2.03 | 2.05 | 2.08 | 2.11 | 2.14 | 2.17 | 2.21 | 2.24 | 2.29 |
| 105 | 2.34 | 2.33 | 2.33 | 2.33 | 2.33 | 2.34 | 2.35 | 2.36 | 2.38 | 2.40 | 2.42 | 2.44 | 2.47 | 2.49 | 2.51 | 2.53 | 2.55 | 2.57 | 2.60 |
| 110 | 2.77 | 2.75 | 2.76 | 2.75 | 2.76 | 2.76 | 2.78 | 2.79 | 2.81 | 2.83 | 2.85 | 2.87 | 2.90 | 2.92 | 2.95 | 2.97 | 3.00 | 3.02 | 3.06 |
| 115 | 3.21 | 3.20 | 3.20 | 3.19 | 3.20 | 3.20 | 3.22 | 3.23 | 3.25 | 3.27 | 3.29 | 3.31 | 3.34 | 3.36 | 3.39 | 3.41 | 3.44 | 3.47 | 3.52 |
| 120 | 3.64 | 3.63 | 3.62 | 3.62 | 3.63 | 3.63 | 3.65 | 3.66 | 3.68 | 3.69 | 3.72 | 3.74 | 3.76 | 3.78 | 3.81 | 3.84 | 3.87 | 3.90 | 3.96 |
| 125 | 4.07 | 4.05 | 4.06 | 4.04 | 4.06 | 4.06 | 4.08 | 4.08 | 4.11 | 4.11 | 4.13 | 4.15 | 4.18 | 4.20 | 4.23 | 4.25 | 4.28 | 4.32 | 4.38 |
| 130 | 4.49 | 4.48 | 4.48 | 4.47 | 4.49 | 4.49 | 4.50 | 4.50 | 4.52 | 4.53 | 4.55 | 4.56 | 4.59 | 4.61 | 4.64 | 4.66 | 4.70 | 4.74 | 4.81 |
| 135 | 4.91 | 4.89 | 4.90 | 4.91 | 4.91 | 4.92 | 4.92 | 4.92 | 4.94 | 4.95 | 4.97 | 4.98 | 5.01 | 5.03 | 5.05 | 5.08 | 5.11 | 5.17 | 5.22 |
| 140 | 5.32 | 5.30 | 5.32 | 5.32 | 5.34 | 5.33 | 5.34 | 5.33 | 5.35 | 5.36 | 5.38 | 5.39 | 5.41 | 5.43 | 5.45 | 5.48 | 5.52 | 5.57 | 5.62 |
| 145 | 5.70 | 5.71 | 5.73 | 5.72 | 5.73 | 5.73 | 5.73 | 5.73 | 5.75 | 5.75 | 5.76 | 5.77 | 5.79 | 5.81 | 5.83 | 5.84 | 5.89 | 5.94 | 5.99 |
| 150 | 6.07 | 6.10 | 6.11 | 6.13 | 6.12 | 6.12 | 6.12 | 6.12 | 6.12 | 6.12 | 6.12 | 6.13 | 6.14 | 6.16 | 6.18 | 6.20 | 6.25 | 6.29 | 6.34 |
| 155 | 6.44 | 6.47 | 6.50 | 6.50 | 6.49 | 6.48 | 6.48 | 6.48 | 6.48 | 6.47 | 6.47 | 6.48 | 6.49 | 6.50 | 6.52 | 6.56 | 6.59 | 6.63 | 6.67 |
| 160 | 6.80 | 6.83 | 6.86 | 6.84 | 6.82 | 6.82 | 6.82 | 6.80 | 6.80 | 6.79 | 6.79 | 6.80 | 6.81 | 6.83 | 6.86 | 6.88 | 6.91 | 6.95 | 6.98 |
| 165 | 7.13 | 7.18 | 7.17 | 7.15 | 7.14 | 7.13 | 7.11 | 7.09 | 7.08 | 7.08 | 7.09 | 7.10 | 7.12 | 7.14 | 7.16 | 7.18 | 7.20 | 7.23 | 7.25 |
| 170 | 7.47 | 7.48 | 7.45 | 7.43 | 7.41 | 7.39 | 7.37 | 7.37 | 7.36 | 7.37 | 7.37 | 7.39 | 7.39 | 7.41 | 7.42 | 7.45 | 7.46 | 7.49 | 7.49 |
| 175 | 7.74 | 7.73 | 7.70 | 7.68 | 7.64 | 7.63 | 7.61 | 7.61 | 7.61 | 7.62 | 7.61 | 7.63 | 7.63 | 7.64 | 7.64 | 7.66 | 7.66 | 7.68 | 7.68 |
| 180 | 7.91 | 7.90 | 7.84 | 7.83 | 7.80 | 7.80 | 7.78 | 7.78 | 7.78 | 7.78 | 7.78 | 7.78 | 7.78 | 7.78 | 7.79 | 7.79 | 7.79 | 7.80 | 7.80 |

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2015-06-24

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 | 661 | 661 | 662 | 664 | 665 | 666 | 666 | 668 | 670 | 670 | 670 | 669 | 669 | 669 | 670 | 670 | 669 | 668 | 667 |
| 5 | 659 | 658 | 659 | 661 | 662 | 663 | 663 | 665 | 667 | 667 | 667 | 666 | 666 | 666 | 667 | 667 | 666 | 666 | 665 |
| 10 | 651 | 651 | 651 | 653 | 655 | 655 | 655 | 656 | 659 | 659 | 658 | 657 | 657 | 657 | 658 | 658 | 657 | 659 | 657 |
| 15 | 638 | 638 | 639 | 640 | 642 | 641 | 642 | 643 | 646 | 645 | 645 | 643 | 643 | 643 | 644 | 644 | 644 | 645 | 644 |
| 20 | 621 | 620 | 621 | 622 | 624 | 623 | 624 | 625 | 627 | 626 | 626 | 624 | 624 | 624 | 625 | 625 | 625 | 627 | 626 |
| 25 | 599 | 598 | 599 | 600 | 601 | 600 | 601 | 602 | 604 | 602 | 602 | 600 | 600 | 600 | 601 | 600 | 600 | 603 | 602 |
| 30 | 572 | 571 | 572 | 572 | 574 | 572 | 573 | 574 | 575 | 573 | 573 | 571 | 572 | 571 | 572 | 571 | 572 | 575 | 573 |
| 35 | 541 | 539 | 540 | 541 | 541 | 540 | 541 | 542 | 542 | 539 | 539 | 537 | 538 | 537 | 538 | 537 | 538 | 542 | 540 |
| 40 | 505 | 503 | 504 | 505 | 504 | 503 | 505 | 504 | 503 | 501 | 500 | 499 | 499 | 498 | 499 | 498 | 499 | 504 | 502 |
| 45 | 464 | 463 | 464 | 464 | 463 | 462 | 464 | 462 | 461 | 458 | 458 | 456 | 457 | 456 | 457 | 455 | 457 | 461 | 459 |
| 50 | 419 | 418 | 419 | 418 | 418 | 417 | 418 | 415 | 414 | 411 | 410 | 409 | 410 | 408 | 409 | 408 | 409 | 415 | 413 |
| 55 | 370 | 369 | 370 | 368 | 368 | 367 | 367 | 363 | 362 | 359 | 359 | 358 | 358 | 357 | 358 | 357 | 358 | 364 | 362 |
| 60 | 318 | 316 | 317 | 315 | 316 | 313 | 312 | 309 | 307 | 305 | 305 | 304 | 304 | 303 | 304 | 303 | 304 | 310 | 308 |
| 65 | 262 | 260 | 260 | 259 | 259 | 255 | 253 | 250 | 250 | 247 | 248 | 246 | 246 | 245 | 246 | 245 | 247 | 253 | 252 |
| 70 | 203 | 201 | 201 | 199 | 198 | 194 | 192 | 190 | 189 | 187 | 187 | 186 | 186 | 185 | 186 | 186 | 187 | 194 | 192 |
| 75 | 143 | 141 | 142 | 138 | 136 | 133 | 132 | 130 | 130 | 128 | 128 | 127 | 128 | 127 | 128 | 128 | 129 | 134 | 132 |
| 80 | 85.2 | 83.8 | 83.0 | 79.1 | 78.1 | 75.4 | 75.2 | 73.1 | 73.6 | 71.8 | 72.9 | 71.4 | 72.9 | 71.8 | 73.5 | 72.6 | 74.6 | 78.5 | 76.7 |
| 85 | 36.7 | 34.9 | 33.7 | 31.9 | 31.3 | 30.2 | 30.0 | 29.4 | 29.4 | 29.1 | 29.3 | 29.2 | 29.6 | 29.7 | 30.2 | 30.3 | 30.9 | 33.1 | 32.1 |
| 90 | 6.87 | 6.40 | 6.39 | 6.33 | 6.73 | 6.63 | 6.91 | 6.75 | 6.97 | 6.83 | 7.09 | 6.96 | 7.26 | 7.15 | 7.49 | 7.39 | 7.79 | 8.32 | 7.75 |
| 95 | 2.84 | 2.67 | 2.40 | 2.21 | 2.13 | 2.13 | 2.39 | 2.49 | 2.59 | 2.55 | 2.54 | 2.49 | 2.47 | 2.38 | 2.35 | 2.27 | 2.26 | 2.46 | 2.40 |
| 100 | 2.33 | 2.31 | 2.26 | 2.21 | 2.19 | 2.18 | 2.16 | 2.14 | 2.12 | 2.10 | 2.08 | 2.07 | 2.06 | 2.04 | 2.03 | 2.03 | 2.02 | 2.21 | 2.21 |
| 105 | 2.59 | 2.60 | 2.59 | 2.59 | 2.58 | 2.57 | 2.55 | 2.53 | 2.51 | 2.49 | 2.46 | 2.44 | 2.41 | 2.38 | 2.36 | 2.34 | 2.33 | 2.50 | 2.51 |
| 110 | 3.04 | 3.05 | 3.04 | 3.04 | 3.02 | 3.01 | 2.99 | 2.98 | 2.95 | 2.93 | 2.89 | 2.87 | 2.83 | 2.82 | 2.78 | 2.78 | 2.75 | 2.92 | 2.94 |
| 115 | 3.50 | 3.49 | 3.48 | 3.48 | 3.46 | 3.46 | 3.44 | 3.42 | 3.39 | 3.37 | 3.34 | 3.31 | 3.28 | 3.25 | 3.23 | 3.21 | 3.19 | 3.37 | 3.39 |
| 120 | 3.94 | 3.92 | 3.91 | 3.91 | 3.89 | 3.89 | 3.87 | 3.85 | 3.83 | 3.81 | 3.77 | 3.75 | 3.71 | 3.69 | 3.66 | 3.64 | 3.62 | 3.81 | 3.82 |
| 125 | 4.37 | 4.35 | 4.33 | 4.33 | 4.31 | 4.31 | 4.29 | 4.28 | 4.25 | 4.24 | 4.20 | 4.18 | 4.14 | 4.13 | 4.08 | 4.08 | 4.04 | 4.23 | 4.25 |
| 130 | 4.80 | 4.78 | 4.75 | 4.75 | 4.73 | 4.73 | 4.71 | 4.70 | 4.68 | 4.66 | 4.63 | 4.61 | 4.57 | 4.55 | 4.52 | 4.50 | 4.48 | 4.65 | 4.67 |
| 135 | 5.23 | 5.20 | 5.17 | 5.16 | 5.15 | 5.14 | 5.12 | 5.11 | 5.09 | 5.07 | 5.04 | 5.02 | 4.99 | 4.97 | 4.93 | 4.92 | 4.89 | 5.06 | 5.08 |
| 140 | 5.63 | 5.61 | 5.57 | 5.55 | 5.53 | 5.53 | 5.51 | 5.50 | 5.48 | 5.46 | 5.43 | 5.42 | 5.38 | 5.37 | 5.33 | 5.32 | 5.29 | 5.45 | 5.47 |
| 145 | 6.01 | 5.99 | 5.96 | 5.92 | 5.90 | 5.89 | 5.88 | 5.87 | 5.85 | 5.83 | 5.81 | 5.79 | 5.76 | 5.74 | 5.72 | 5.71 | 5.68 | 5.82 | 5.84 |
| 150 | 6.36 | 6.35 | 6.32 | 6.29 | 6.26 | 6.24 | 6.23 | 6.21 | 6.20 | 6.17 | 6.16 | 6.13 | 6.12 | 6.09 | 6.08 | 6.06 | 6.04 | 6.18 | 6.19 |
| 155 | 6.70 | 6.69 | 6.67 | 6.64 | 6.61 | 6.58 | 6.55 | 6.54 | 6.52 | 6.50 | 6.48 | 6.46 | 6.44 | 6.43 | 6.41 | 6.40 | 6.39 | 6.51 | 6.51 |
| 160 | 7.00 | 7.00 | 6.99 | 6.97 | 6.94 | 6.91 | 6.89 | 6.85 | 6.83 | 6.81 | 6.80 | 6.77 | 6.76 | 6.74 | 6.73 | 6.72 | 6.72 | 6.85 | 6.82 |
| 165 | 7.28 | 7.28 | 7.28 | 7.26 | 7.25 | 7.22 | 7.20 | 7.17 | 7.15 | 7.12 | 7.10 | 7.08 | 7.06 | 7.04 | 7.03 | 7.03 | 7.04 | 7.18 | 7.13 |
| 170 | 7.52 | 7.52 | 7.53 | 7.52 | 7.51 | 7.50 | 7.49 | 7.46 | 7.45 | 7.43 | 7.42 | 7.39 | 7.38 | 7.37 | 7.35 | 7.35 | 7.38 | 7.53 | 7.46 |
| 175 | 7.70 | 7.70 | 7.72 | 7.71 | 7.72 | 7.70 | 7.71 | 7.69 | 7.69 | 7.67 | 7.67 | 7.65 | 7.65 | 7.64 | 7.65 | 7.65 | 7.68 | 7.78 | 7.73 |
| 180 | 7.79 | 7.80 | 7.80 | 7.79 | 7.79 | 7.79 | 7.79 | 7.78 | 7.78 | 7.77 | 7.77 | 7.77 | 7.77 | 7.77 | 7.78 | 7.79 | 7.81 | 7.84 | 7.89 |

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2015-06-24

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 | 666 | 665 | 664 | 663 | 663 | 663 | 663 | 662 | 662 | 662 | 661 | 661 | 662 | 661 | 662 | 662 | 662 | 661 | 661 |
| 5 | 664 | 663 | 662 | 661 | 660 | 660 | 660 | 659 | 660 | 659 | 659 | 658 | 659 | 659 | 659 | 660 | 659 | 659 | 659 |
| 10 | 656 | 655 | 654 | 652 | 652 | 652 | 652 | 651 | 652 | 651 | 651 | 650 | 651 | 651 | 651 | 652 | 652 | 651 | 652 |
| 15 | 643 | 641 | 640 | 639 | 639 | 639 | 639 | 638 | 638 | 638 | 638 | 637 | 638 | 638 | 639 | 639 | 640 | 639 | 640 |
| 20 | 624 | 623 | 622 | 621 | 621 | 620 | 620 | 620 | 620 | 620 | 620 | 619 | 620 | 620 | 621 | 622 | 622 | 621 | 622 |
| 25 | 601 | 599 | 599 | 597 | 597 | 597 | 597 | 596 | 597 | 597 | 597 | 596 | 598 | 598 | 599 | 600 | 600 | 599 | 600 |
| 30 | 572 | 571 | 570 | 569 | 569 | 568 | 569 | 568 | 569 | 569 | 570 | 569 | 570 | 570 | 572 | 572 | 573 | 573 | 574 |
| 35 | 539 | 538 | 537 | 536 | 536 | 535 | 536 | 535 | 536 | 536 | 537 | 537 | 538 | 538 | 540 | 540 | 542 | 541 | 542 |
| 40 | 501 | 499 | 499 | 498 | 498 | 497 | 498 | 498 | 499 | 498 | 500 | 500 | 501 | 501 | 503 | 504 | 506 | 505 | 507 |
| 45 | 459 | 457 | 457 | 455 | 456 | 455 | 456 | 455 | 457 | 457 | 459 | 459 | 460 | 460 | 462 | 463 | 465 | 464 | 466 |
| 50 | 413 | 411 | 411 | 409 | 409 | 408 | 410 | 409 | 411 | 410 | 412 | 413 | 414 | 414 | 417 | 418 | 420 | 420 | 422 |
| 55 | 362 | 360 | 360 | 358 | 359 | 358 | 359 | 358 | 360 | 360 | 362 | 362 | 365 | 364 | 368 | 368 | 371 | 370 | 373 |
| 60 | 308 | 306 | 306 | 304 | 305 | 304 | 305 | 304 | 306 | 306 | 309 | 308 | 311 | 311 | 314 | 315 | 317 | 318 | 321 |
| 65 | 251 | 249 | 249 | 247 | 248 | 247 | 248 | 247 | 249 | 249 | 251 | 251 | 253 | 254 | 257 | 258 | 260 | 261 | 264 |
| 70 | 192 | 189 | 189 | 188 | 188 | 187 | 188 | 187 | 189 | 189 | 191 | 191 | 193 | 194 | 197 | 198 | 201 | 202 | 205 |
| 75 | 132 | 130 | 130 | 128 | 128 | 127 | 128 | 127 | 129 | 128 | 130 | 130 | 133 | 133 | 136 | 137 | 140 | 142 | 144 |
| 80 | 76.3 | 74.3 | 74.2 | 72.5 | 72.6 | 71.2 | 71.8 | 70.8 | 71.8 | 71.2 | 73.0 | 72.8 | 74.9 | 75.1 | 77.9 | 79.0 | 82.1 | 83.2 | 85.4 |
| 85 | 31.6 | 30.5 | 30.0 | 29.0 | 28.6 | 27.2 | 27.6 | 26.5 | 27.1 | 26.4 | 27.3 | 27.0 | 28.2 | 28.8 | 30.4 | 31.6 | 33.3 | 33.9 | 35.6 |
| 90 | 7.65 | 7.08 | 6.94 | 6.43 | 6.30 | 5.86 | 5.83 | 5.51 | 5.54 | 5.22 | 5.22 | 4.87 | 4.77 | 4.57 | 5.05 | 5.07 | 4.30 | 4.71 | 4.93 |
| 95 | 2.43 | 2.42 | 2.46 | 2.47 | 2.49 | 2.50 | 2.51 | 2.45 | 2.37 | 2.25 | 2.19 | 2.21 | 2.24 | 2.35 | 2.53 | 2.59 | 2.46 | 2.36 | 2.30 |
| 100 | 2.22 | 2.22 | 2.23 | 2.23 | 2.25 | 2.25 | 2.27 | 2.28 | 2.30 | 2.32 | 2.34 | 2.35 | 2.36 | 2.38 | 2.41 | 2.41 | 2.39 | 2.37 | 2.35 |
| 105 | 2.51 | 2.53 | 2.55 | 2.58 | 2.59 | 2.63 | 2.64 | 2.67 | 2.69 | 2.72 | 2.73 | 2.75 | 2.75 | 2.77 | 2.76 | 2.77 | 2.76 | 2.75 | 2.72 |
| 110 | 2.95 | 2.97 | 2.99 | 3.02 | 3.04 | 3.07 | 3.09 | 3.12 | 3.14 | 3.17 | 3.18 | 3.20 | 3.21 | 3.22 | 3.22 | 3.23 | 3.23 | 3.21 | 3.18 |
| 115 | 3.39 | 3.42 | 3.43 | 3.47 | 3.49 | 3.52 | 3.54 | 3.57 | 3.59 | 3.62 | 3.63 | 3.65 | 3.65 | 3.67 | 3.67 | 3.69 | 3.69 | 3.66 | 3.63 |
| 120 | 3.83 | 3.86 | 3.87 | 3.91 | 3.93 | 3.96 | 3.98 | 4.01 | 4.03 | 4.05 | 4.07 | 4.08 | 4.08 | 4.10 | 4.10 | 4.14 | 4.13 | 4.09 | 4.05 |
| 125 | 4.26 | 4.28 | 4.30 | 4.33 | 4.36 | 4.39 | 4.41 | 4.43 | 4.45 | 4.47 | 4.48 | 4.49 | 4.50 | 4.51 | 4.52 | 4.56 | 4.55 | 4.51 | 4.46 |
| 130 | 4.68 | 4.71 | 4.72 | 4.76 | 4.77 | 4.81 | 4.82 | 4.85 | 4.86 | 4.88 | 4.89 | 4.90 | 4.90 | 4.91 | 4.94 | 4.98 | 4.95 | 4.91 | 4.86 |
| 135 | 5.09 | 5.11 | 5.13 | 5.16 | 5.17 | 5.20 | 5.22 | 5.24 | 5.25 | 5.27 | 5.27 | 5.28 | 5.28 | 5.31 | 5.34 | 5.38 | 5.35 | 5.31 | 5.25 |
| 140 | 5.47 | 5.49 | 5.51 | 5.54 | 5.55 | 5.58 | 5.59 | 5.61 | 5.62 | 5.64 | 5.64 | 5.65 | 5.66 | 5.69 | 5.73 | 5.75 | 5.72 | 5.68 | 5.63 |
| 145 | 5.84 | 5.86 | 5.87 | 5.90 | 5.91 | 5.93 | 5.94 | 5.96 | 5.97 | 5.98 | 5.99 | 6.00 | 6.02 | 6.06 | 6.09 | 6.10 | 6.07 | 6.03 | 5.99 |
| 150 | 6.19 | 6.20 | 6.22 | 6.23 | 6.24 | 6.26 | 6.27 | 6.28 | 6.29 | 6.31 | 6.32 | 6.34 | 6.37 | 6.41 | 6.44 | 6.44 | 6.41 | 6.37 | 6.34 |
| 155 | 6.51 | 6.52 | 6.53 | 6.54 | 6.55 | 6.57 | 6.58 | 6.59 | 6.61 | 6.62 | 6.65 | 6.68 | 6.71 | 6.74 | 6.76 | 6.76 | 6.73 | 6.69 | 6.66 |
| 160 | 6.82 | 6.82 | 6.83 | 6.84 | 6.85 | 6.86 | 6.88 | 6.89 | 6.91 | 6.94 | 6.96 | 6.99 | 7.01 | 7.04 | 7.05 | 7.04 | 7.02 | 6.99 | 6.96 |
| 165 | 7.11 | 7.11 | 7.12 | 7.13 | 7.14 | 7.15 | 7.17 | 7.19 | 7.22 | 7.23 | 7.26 | 7.27 | 7.30 | 7.31 | 7.32 | 7.30 | 7.29 | 7.26 | 7.24 |
| 170 | 7.43 | 7.42 | 7.43 | 7.43 | 7.44 | 7.45 | 7.46 | 7.47 | 7.49 | 7.50 | 7.52 | 7.52 | 7.54 | 7.54 | 7.54 | 7.52 | 7.52 | 7.49 | 7.49 |
| 175 | 7.70 | 7.69 | 7.69 | 7.68 | 7.69 | 7.68 | 7.69 | 7.69 | 7.71 | 7.71 | 7.72 | 7.71 | 7.72 | 7.71 | 7.72 | 7.70 | 7.70 | 7.68 | 7.69 |
| 180 | 7.85 | 7.82 | 7.82 | 7.80 | 7.80 | 7.79 | 7.79 | 7.78 | 7.78 | 7.78 | 7.78 | 7.79 | 7.79 | 7.79 | 7.79 | 7.80 | 7.80 | 7.80 | 7.80 |

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2015-06-24

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 | 662 | 664 | 665 | 666 | 666 | 668 | 670 | 670 | 670 | 669 | 669 | 669 | 670 | 670 | 669 | | | | |
| 5 | 660 | 662 | 663 | 664 | 664 | 666 | 668 | 669 | 668 | 667 | 667 | 667 | 667 | 667 | 666 | | | | |
| 10 | 652 | 655 | 656 | 657 | 657 | 659 | 661 | 661 | 660 | 660 | 659 | 659 | 659 | 659 | 658 | | | | |
| 15 | 640 | 642 | 644 | 644 | 645 | 646 | 649 | 648 | 647 | 646 | 646 | 646 | 646 | 645 | 644 | | | | |
| 20 | 623 | 625 | 627 | 627 | 627 | 629 | 631 | 630 | 629 | 628 | 628 | 627 | 627 | 627 | 625 | | | | |
| 25 | 601 | 603 | 605 | 605 | 605 | 607 | 608 | 607 | 606 | 605 | 604 | 604 | 603 | 603 | 601 | | | | |
| 30 | 574 | 577 | 578 | 578 | 578 | 581 | 580 | 580 | 578 | 577 | 576 | 576 | 575 | 574 | 572 | | | | |
| 35 | 543 | 546 | 546 | 546 | 547 | 549 | 548 | 547 | 545 | 545 | 543 | 543 | 542 | 541 | 539 | | | | |
| 40 | 507 | 510 | 509 | 510 | 511 | 513 | 511 | 510 | 508 | 507 | 505 | 505 | 503 | 503 | 500 | | | | |
| 45 | 467 | 470 | 469 | 470 | 471 | 471 | 469 | 468 | 466 | 466 | 463 | 463 | 461 | 460 | 458 | | | | |
| 50 | 423 | 425 | 424 | 426 | 426 | 426 | 424 | 423 | 421 | 420 | 418 | 417 | 415 | 414 | 412 | | | | |
| 55 | 374 | 375 | 375 | 378 | 376 | 376 | 373 | 373 | 371 | 370 | 368 | 367 | 365 | 364 | 362 | | | | |
| 60 | 321 | 323 | 323 | 324 | 322 | 322 | 320 | 320 | 317 | 317 | 315 | 314 | 311 | 311 | 308 | | | | |
| 65 | 264 | 266 | 266 | 267 | 265 | 265 | 263 | 263 | 261 | 261 | 259 | 257 | 255 | 255 | 252 | | | | |
| 70 | 205 | 207 | 206 | 207 | 205 | 206 | 204 | 204 | 202 | 202 | 199 | 199 | 196 | 196 | 193 | | | | |
| 75 | 144 | 146 | 145 | 146 | 145 | 145 | 144 | 144 | 142 | 142 | 140 | 139 | 137 | 137 | 135 | | | | |
| 80 | 85.1 | 86.5 | 86.0 | 87.2 | 86.6 | 87.4 | 86.4 | 86.8 | 85.4 | 85.6 | 84.0 | 83.8 | 82.1 | 82.0 | 80.2 | | | | |
| 85 | 35.5 | 37.1 | 37.0 | 38.3 | 38.1 | 39.1 | 38.4 | 39.4 | 38.2 | 38.7 | 37.5 | 37.7 | 36.3 | 36.6 | 35.3 | | | | |
| 90 | 5.64 | 7.82 | 9.21 | 10.1 | 10.4 | 11.1 | 11.1 | 11.6 | 11.4 | 11.7 | 11.3 | 11.4 | 11.0 | 11.3 | 10.8 | | | | |
| 95 | 2.24 | 2.21 | 2.34 | 2.97 | 3.12 | 3.33 | 2.74 | 2.99 | 3.72 | 3.84 | 3.77 | 3.77 | 3.70 | 3.91 | 3.87 | | | | |
| 100 | 2.37 | 2.31 | 2.39 | 2.28 | 2.46 | 2.51 | 2.54 | 2.54 | 2.52 | 2.44 | 2.19 | 2.22 | 2.16 | 2.16 | 2.18 | | | | |
| 105 | 2.71 | 2.68 | 2.67 | 2.64 | 2.63 | 2.62 | 2.61 | 2.60 | 2.55 | 2.53 | 2.52 | 2.51 | 2.51 | 2.50 | 2.51 | | | | |
| 110 | 3.16 | 3.13 | 3.11 | 3.08 | 3.07 | 3.04 | 3.02 | 2.99 | 2.98 | 2.96 | 2.95 | 2.94 | 2.94 | 2.94 | 2.94 | | | | |
| 115 | 3.60 | 3.57 | 3.55 | 3.52 | 3.51 | 3.48 | 3.46 | 3.44 | 3.42 | 3.40 | 3.40 | 3.38 | 3.39 | 3.38 | 3.40 | | | | |
| 120 | 4.03 | 4.00 | 3.98 | 3.95 | 3.93 | 3.91 | 3.89 | 3.87 | 3.85 | 3.84 | 3.83 | 3.82 | 3.82 | 3.82 | 3.83 | | | | |
| 125 | 4.44 | 4.41 | 4.38 | 4.36 | 4.34 | 4.32 | 4.30 | 4.29 | 4.28 | 4.26 | 4.26 | 4.24 | 4.24 | 4.24 | 4.25 | | | | |
| 130 | 4.84 | 4.80 | 4.79 | 4.76 | 4.75 | 4.72 | 4.71 | 4.70 | 4.69 | 4.67 | 4.68 | 4.66 | 4.67 | 4.66 | 4.68 | | | | |
| 135 | 5.23 | 5.19 | 5.18 | 5.15 | 5.14 | 5.12 | 5.11 | 5.10 | 5.09 | 5.08 | 5.08 | 5.08 | 5.08 | 5.06 | 5.08 | | | | |
| 140 | 5.60 | 5.57 | 5.55 | 5.53 | 5.52 | 5.50 | 5.50 | 5.49 | 5.49 | 5.47 | 5.48 | 5.47 | 5.48 | 5.46 | 5.46 | | | | |
| 145 | 5.95 | 5.93 | 5.91 | 5.89 | 5.88 | 5.86 | 5.86 | 5.86 | 5.86 | 5.85 | 5.86 | 5.86 | 5.87 | 5.86 | 5.84 | | | | |
| 150 | 6.30 | 6.27 | 6.25 | 6.23 | 6.22 | 6.21 | 6.21 | 6.21 | 6.22 | 6.21 | 6.22 | 6.23 | 6.24 | 6.23 | 6.21 | | | | |
| 155 | 6.63 | 6.60 | 6.57 | 6.56 | 6.55 | 6.54 | 6.54 | 6.54 | 6.55 | 6.55 | 6.55 | 6.56 | 6.58 | 6.58 | 6.56 | | | | |
| 160 | 6.94 | 6.91 | 6.88 | 6.87 | 6.86 | 6.85 | 6.84 | 6.85 | 6.85 | 6.86 | 6.86 | 6.87 | 6.88 | 6.90 | 6.88 | | | | |
| 165 | 7.22 | 7.20 | 7.18 | 7.16 | 7.14 | 7.13 | 7.12 | 7.12 | 7.13 | 7.14 | 7.15 | 7.16 | 7.17 | 7.21 | 7.21 | | | | |
| 170 | 7.46 | 7.45 | 7.43 | 7.42 | 7.41 | 7.40 | 7.39 | 7.39 | 7.38 | 7.40 | 7.40 | 7.43 | 7.44 | 7.46 | 7.48 | | | | |
| 175 | 7.67 | 7.67 | 7.65 | 7.65 | 7.63 | 7.63 | 7.62 | 7.63 | 7.62 | 7.63 | 7.62 | 7.65 | 7.66 | 7.69 | 7.71 | | | | |
| 180 | 7.79 | 7.79 | 7.79 | 7.79 | 7.78 | 7.78 | 7.78 | 7.78 | 7.77 | 7.78 | 7.77 | 7.78 | 7.79 | 7.82 | 7.84 | | | | |

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2015-06-24

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: