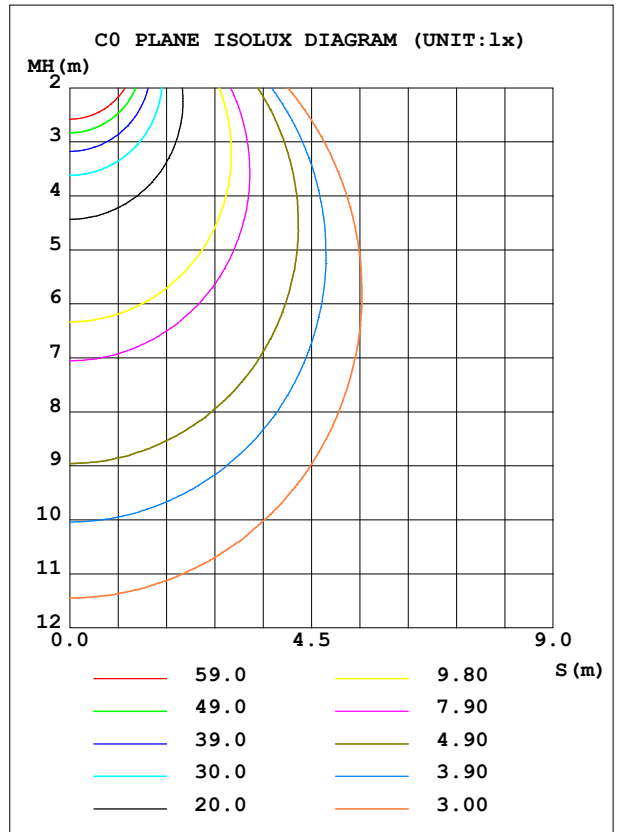
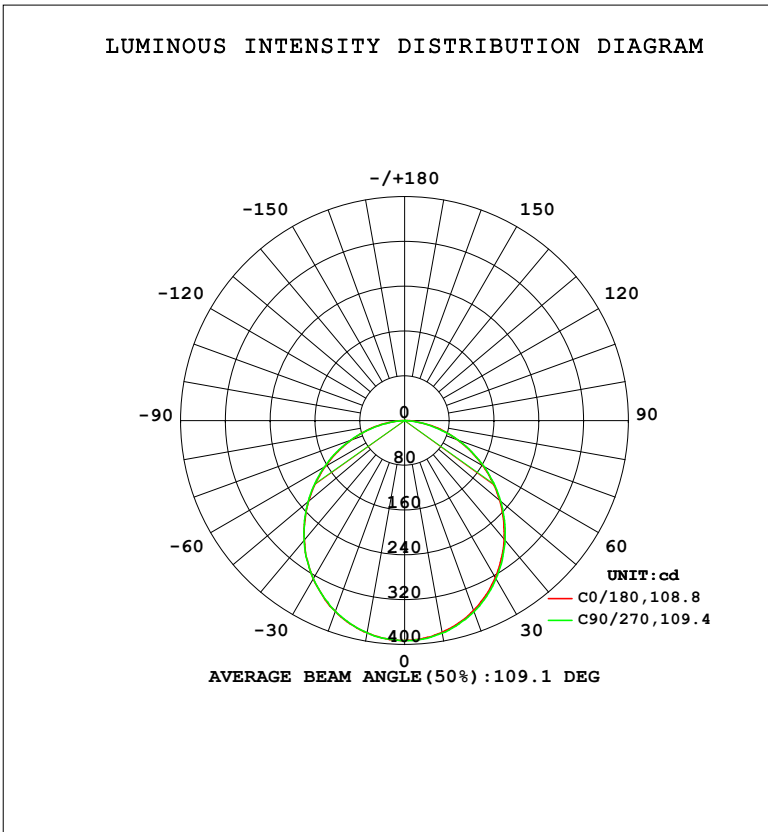


LUMINAIRE PHOTOMETRIC TEST REPORT

| | | |
|---|-------|------------------|
| Test:U:119.97V I:0.1282A P:11.083W PF:0.9547 Freq:59.98Hz Lamp Flux:1082.53x1 lm | | |
| NAME: LED-6-S12W-5CCT | TYPE: | WEIGHT: |
| SPEC.: 3500K 80 | DIM.: | SERIAL No.: |
| MFR.: Light by Lotus | SUR.: | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA | | | |
|-------------------|---------|------------------|--------|--------------------------|-----------|
| MODEL | | Imax (cd) | 393.4 | S/MH (C0/180) | 1.24 |
| NOMINAL POWER (W) | 12 | LOR (%) | 100.0 | S/MH (C90/270) | 1.24 |
| RATED VOLTAGE (V) | 120 | TOTAL FLUX (lm) | 1082.5 | η UP, DN (C0-180) | 0.0, 49.9 |
| NOMINAL FLUX (lm) | 1082.53 | CIE CLASS | DIRECT | η UP, DN (C180-360) | 0.0, 50.1 |
| LAMPS INSIDE | 1 | η up (%) | 0.0 | CIBSE SHR NOM | 1.25 |
| TEST VOLTAGE (V) | 120 | η down (%) | 100.0 | CIBSE SHR MAX | 1.35 |



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3 °C
 Operators:
 Test Date: 2022-04-14

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
 Humidity: 65.0%
 Test Distance: 3.080m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

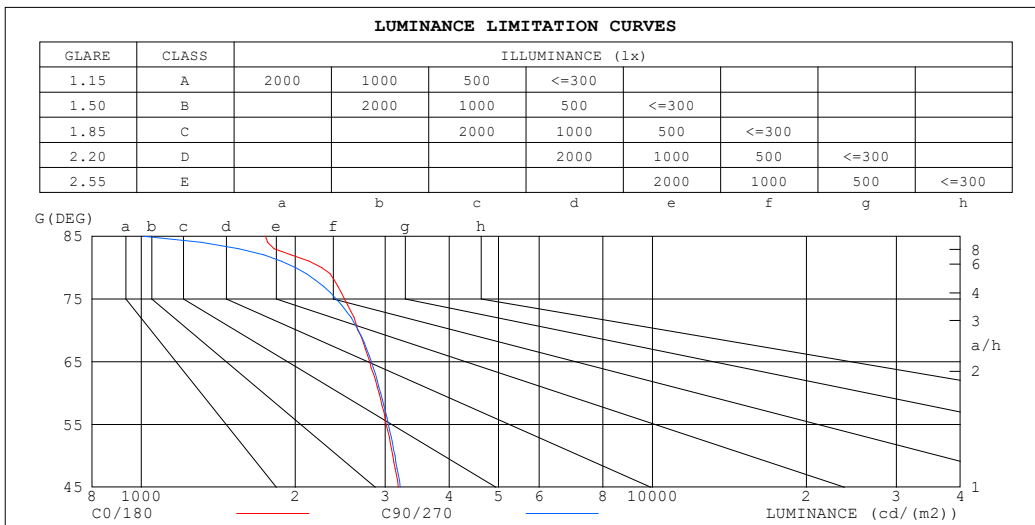
| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ | Φ zone | Φ total | %lum,lamp |
|----------|-----------------------|--------|--------|--------|--------|--------|--------|--------|----------|-------------|--------------|-----------|
| 10 | 384.3 | 385.2 | 385.6 | 385.6 | 385.0 | 385.8 | 385.0 | 384.6 | 0- 10 | 37.14 | 37.14 | 3.43,3.43 |
| 20 | 360.7 | 362.2 | 363.0 | 362.9 | 362.5 | 362.9 | 362.5 | 361.5 | 10- 20 | 105.9 | 143.1 | 13.2,13.2 |
| 30 | 324.1 | 325.5 | 326.7 | 326.3 | 326.8 | 326.9 | 326.5 | 324.6 | 20- 30 | 159.2 | 302.2 | 27.9,27.9 |
| 40 | 277.0 | 278.2 | 279.7 | 278.6 | 279.1 | 280.0 | 279.5 | 277.6 | 30- 40 | 189.8 | 492.0 | 45.5,45.5 |
| 50 | 221.7 | 223.4 | 224.1 | 222.9 | 223.8 | 225.3 | 225.0 | 223.2 | 40- 50 | 194.3 | 686.3 | 63.4,63.4 |
| 60 | 161.9 | 162.9 | 163.3 | 162.4 | 163.4 | 165.3 | 165.5 | 163.4 | 50- 60 | 173.4 | 859.7 | 79.4,79.4 |
| 70 | 100.8 | 101.4 | 101.0 | 100.3 | 101.5 | 103.2 | 102.5 | 102.2 | 60- 70 | 131.2 | 990.9 | 91.5,91.5 |
| 80 | 43.44 | 41.69 | 38.64 | 40.25 | 42.37 | 41.90 | 39.37 | 41.93 | 70- 80 | 75.03 | 1066 | 98.5,98.5 |
| 90 | 0.1884 | 0.1863 | 0.1773 | 0.1853 | 0.3129 | 0.3069 | 0.2948 | 0.3081 | 80- 90 | 16.55 | 1083 | 100,100 |
| 100 | | | | | | | | | 90-100 | | | |
| 110 | | | | | | | | | 100-110 | | | |
| 120 | | | | | | | | | 110-120 | | | |
| 130 | | | | | | | | | 120-130 | | | |
| 140 | | | | | | | | | 130-140 | | | |
| 150 | | | | | | | | | 140-150 | | | |
| 160 | | | | | | | | | 150-160 | | | |
| 170 | | | | | | | | | 160-170 | | | |
| 180 | | | | | | | | | 170-180 | | | |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:
 Test Date:2022-04-14

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
 Humidity:65.0%
 Test Distance:3.080m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

| | | |
|---|-------|------------------|
| Test:U:119.97V I:0.1282A P:11.083W PF:0.9547 Freq:59.98Hz Lamp Flux:1082.53x1 lm | | |
| NAME: LED-6-S12W-5CCT | TYPE: | WEIGHT: |
| SPEC.: 3500K 80 | DIM.: | SERIAL No.: |
| MFR.: Light by Lotus | SUR.: | Shielding Angle: |



| LUMINANCE cd/ (m2) | | |
|--------------------|--------|---------|
| G (DEG) | C0/180 | C90/270 |
| 85 | 1748 | 1010 |
| 80 | 2253 | 2002 |
| 75 | 2497 | 2406 |
| 70 | 2655 | 2656 |
| 65 | 2799 | 2819 |
| 60 | 2917 | 2938 |
| 55 | 3013 | 3045 |
| 50 | 3107 | 3137 |
| 45 | 3182 | 3210 |

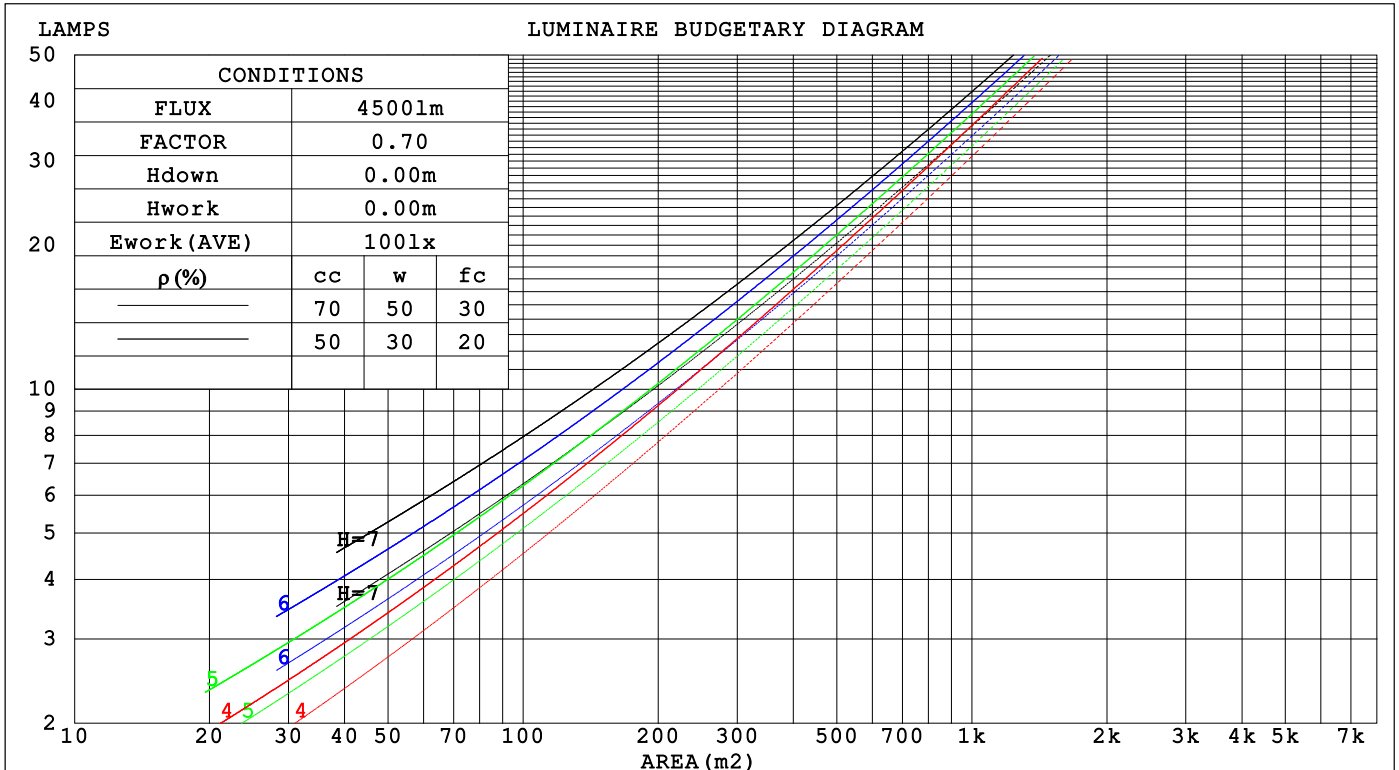
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3 °C
 Operators:
 Test Date:2022-04-14

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
 Humidity:65.0%
 Test Distance:3.080m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|---|-------|------------------|
| Test:U:119.97V I:0.1282A P:11.083W PF:0.9547 Freq:59.98Hz Lamp Flux:1082.53x1 lm | | |
| NAME: LED-6-S12W-5CCT | TYPE: | WEIGHT: |
| SPEC.: 3500K 80 | DIM.: | SERIAL No.: |
| MFR.: Light by Lotus | SUR.: | Shielding Angle: |

| ρcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|------|---------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | ρw | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| ρfc | 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 | 1.11 | 1.11 | 1.11 | 1.06 | 1.06 | 1.06 | 1.02 | 1.02 | 1.02 | 1.00 |
| 1.0 | 1.04 | .90 | .96 | 1.02 | .98 | .95 | .98 | .94 | .92 | .94 | .91 | .89 | .90 | .88 | .86 | .84 |
| 2.0 | .91 | .84 | .78 | .89 | .83 | .77 | .85 | .80 | .76 | .82 | .78 | .74 | .79 | .75 | .72 | .70 |
| 3.0 | .80 | .72 | .65 | .78 | .71 | .65 | .75 | .69 | .63 | .72 | .67 | .62 | .70 | .65 | .61 | .59 |
| 4.0 | .71 | .62 | .55 | .69 | .61 | .55 | .67 | .60 | .54 | .64 | .58 | .53 | .62 | .57 | .53 | .50 |
| 5.0 | .63 | .54 | .48 | .62 | .54 | .47 | .60 | .52 | .47 | .58 | .51 | .46 | .56 | .50 | .46 | .44 |
| 6.0 | .57 | .48 | .42 | .56 | .47 | .41 | .54 | .47 | .41 | .52 | .46 | .41 | .51 | .45 | .40 | .38 |
| 7.0 | .52 | .43 | .37 | .51 | .42 | .37 | .49 | .42 | .36 | .48 | .41 | .36 | .46 | .40 | .36 | .34 |
| 8.0 | .47 | .39 | .33 | .46 | .38 | .33 | .45 | .38 | .32 | .44 | .37 | .32 | .43 | .37 | .32 | .30 |
| 9.0 | .43 | .35 | .29 | .43 | .35 | .29 | .41 | .34 | .29 | .40 | .34 | .29 | .39 | .33 | .29 | .27 |
| 10.0 | .40 | .32 | .27 | .39 | .32 | .27 | .38 | .31 | .27 | .37 | .31 | .26 | .37 | .31 | .26 | .25 |



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:
 Test Date:2022-04-14

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
 Humidity:65.0%
 Test Distance:3.080m [K=1.0000]
 Remarks:

WEC AND CCEC

| | | |
|---|-------|------------------|
| Test:U:119.97V I:0.1282A P:11.083W PF:0.9547 Freq:59.98Hz | | |
| Lamp Flux:1082.53x1 lm | | |
| NAME: LED-6-S12W-5CCT | TYPE: | WEIGHT: |
| SPEC.: 3500K 80 | DIM.: | SERIAL No.: |
| MFR.: Light by Lotus | SUR.: | Shielding Angle: |

| 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 | .305 | .173 | .055 | .298 | .170 | .054 | .284 | .163 | .052 | .272 | .157 | .050 | .261 | .151 | .049 | |
| 2.0 | .288 | .158 | .048 | .282 | .155 | .048 | .270 | .150 | .047 | .260 | .146 | .046 | .250 | .141 | .045 | |
| 3.0 | .267 | .142 | .043 | .262 | .140 | .042 | .252 | .136 | .041 | .242 | .133 | .041 | .233 | .129 | .040 | |
| 4.0 | .247 | .128 | .038 | .242 | .127 | .037 | .233 | .124 | .037 | .225 | .121 | .036 | .217 | .118 | .036 | |
| 5.0 | .229 | .117 | .034 | .224 | .115 | .034 | .216 | .113 | .033 | .209 | .110 | .033 | .202 | .108 | .032 | |
| 6.0 | .212 | .106 | .030 | .208 | .105 | .030 | .201 | .103 | .030 | .194 | .101 | .030 | .188 | .099 | .029 | |
| 7.0 | .198 | .098 | .028 | .194 | .097 | .028 | .188 | .095 | .027 | .182 | .093 | .027 | .176 | .091 | .027 | |
| 8.0 | .185 | .090 | .025 | .182 | .089 | .025 | .176 | .088 | .025 | .170 | .086 | .025 | .165 | .085 | .025 | |
| 9.0 | .173 | .084 | .023 | .170 | .083 | .023 | .165 | .082 | .023 | .160 | .080 | .023 | .156 | .079 | .023 | |
| 10.0 | .163 | .078 | .022 | .160 | .077 | .022 | .156 | .076 | .021 | .151 | .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 | .190 | .190 | .190 | .163 | .163 | .163 | .111 | .111 | .111 | .064 | .064 | .064 | .020 | .020 | .020 | |
| 1.0 | .180 | .156 | .135 | .154 | .134 | .116 | .105 | .092 | .080 | .061 | .053 | .047 | .019 | .017 | .015 | |
| 2.0 | .172 | .132 | .098 | .147 | .114 | .085 | .101 | .079 | .059 | .058 | .046 | .035 | .019 | .015 | .011 | |
| 3.0 | .164 | .114 | .075 | .141 | .099 | .065 | .097 | .068 | .045 | .056 | .040 | .027 | .018 | .013 | .009 | |
| 4.0 | .156 | .101 | .059 | .134 | .087 | .051 | .092 | .061 | .036 | .053 | .036 | .021 | .017 | .012 | .007 | |
| 5.0 | .149 | .091 | .047 | .128 | .078 | .041 | .088 | .055 | .029 | .051 | .032 | .017 | .016 | .010 | .006 | |
| 6.0 | .142 | .082 | .039 | .122 | .071 | .034 | .084 | .050 | .024 | .049 | .029 | .014 | .016 | .010 | .005 | |
| 7.0 | .135 | .075 | .033 | .116 | .065 | .029 | .080 | .046 | .021 | .047 | .027 | .012 | .015 | .009 | .004 | |
| 8.0 | .129 | .069 | .029 | .111 | .060 | .025 | .077 | .042 | .018 | .045 | .025 | .011 | .014 | .008 | .004 | |
| 9.0 | .123 | .064 | .025 | .106 | .056 | .022 | .073 | .039 | .016 | .043 | .023 | .009 | .014 | .008 | .003 | |
| 10.0 | .117 | .060 | .023 | .101 | .052 | .020 | .070 | .037 | .014 | .041 | .022 | .008 | .013 | .007 | .003 | |

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:
 Test Date:2022-04-14

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
 Humidity:65.0%
 Test Distance:3.080m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

| | | | | | | | | | | |
|---|------------------|------|------|------|-------|----------------|------|------------------|------|------|
| Test:U:119.97V I:0.1282A P:11.083W PF:0.9547 Freq:59.98Hz | | | | | | | | | | |
| Lamp Flux:1082.53x1 lm | | | | | | | | | | |
| NAME: LED-6-S12W-5CCT | | | | | TYPE: | | | WEIGHT: | | |
| SPEC.: 3500K 80 | | | | | DIM.: | | | SERIAL No.: | | |
| MFR.: Light by Lotus | | | | | SUR.: | | | Shielding 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 | 16.4 | 17.9 | 16.7 | 18.1 | 18.3 | 16.4 | 18.0 | 16.7 | 18.2 | 18.4 |
| 3H | 17.9 | 19.3 | 18.2 | 19.5 | 19.8 | 17.9 | 19.3 | 18.2 | 19.6 | 19.8 |
| 4H | 18.5 | 19.8 | 18.8 | 20.1 | 20.4 | 18.5 | 19.8 | 18.8 | 20.1 | 20.3 |
| 6H | 19.0 | 20.2 | 19.3 | 20.5 | 20.8 | 18.9 | 20.1 | 19.2 | 20.4 | 20.7 |
| 8H | 19.1 | 20.3 | 19.4 | 20.6 | 20.9 | 19.0 | 20.2 | 19.3 | 20.5 | 20.7 |
| 12H | 19.1 | 20.3 | 19.5 | 20.6 | 20.9 | 19.0 | 20.1 | 19.3 | 20.4 | 20.7 |
| 4H 2H | 17.0 | 18.3 | 17.3 | 18.6 | 18.8 | 17.0 | 18.4 | 17.4 | 18.6 | 18.9 |
| 3H | 18.7 | 19.9 | 19.1 | 20.2 | 20.5 | 18.7 | 19.9 | 19.1 | 20.2 | 20.5 |
| 4H | 19.4 | 20.5 | 19.8 | 20.8 | 21.2 | 19.4 | 20.5 | 19.8 | 20.8 | 21.1 |
| 6H | 20.0 | 21.0 | 20.4 | 21.3 | 21.7 | 19.9 | 20.9 | 20.3 | 21.2 | 21.6 |
| 8H | 20.2 | 21.0 | 20.6 | 21.4 | 21.8 | 20.0 | 20.9 | 20.5 | 21.3 | 21.7 |
| 12H | 20.2 | 21.0 | 20.7 | 21.4 | 21.8 | 20.1 | 20.9 | 20.5 | 21.3 | 21.7 |
| 8H 4H | 19.7 | 20.6 | 20.1 | 20.9 | 21.3 | 19.7 | 20.6 | 20.1 | 20.9 | 21.3 |
| 6H | 20.4 | 21.1 | 20.8 | 21.5 | 22.0 | 20.3 | 21.0 | 20.8 | 21.4 | 21.9 |
| 8H | 20.6 | 21.3 | 21.1 | 21.7 | 22.1 | 20.5 | 21.2 | 21.0 | 21.6 | 22.0 |
| 12H | 20.7 | 21.3 | 21.2 | 21.7 | 22.2 | 20.6 | 21.1 | 21.1 | 21.6 | 22.1 |
| 12H 4H | 19.7 | 20.5 | 20.1 | 20.9 | 21.3 | 19.7 | 20.5 | 20.1 | 20.9 | 21.3 |
| 6H | 20.5 | 21.1 | 20.9 | 21.5 | 22.0 | 20.4 | 21.0 | 20.8 | 21.4 | 21.9 |
| 8H | 20.7 | 21.2 | 21.2 | 21.7 | 22.2 | 20.6 | 21.1 | 21.1 | 21.6 | 22.1 |
| Variations with the observer position at spacings(CIE Pub.117): | | | | | | | | | | |
| S = 1.0H | + 0.2 / - 0.2 | | | | | + 0.2 / - 0.2 | | | | |
| 1.5H | + 0.2 / - 0.3 | | | | | + 0.2 / - 0.3 | | | | |
| 2.0H | + 0.2 / - 0.2 | | | | | + 0.2 / - 0.3 | | | | |

CIE Pub.117, 1083 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 0.3)
 Area: 0.111111 m2

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:
 Test Date:2022-04-14

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
 Humidity:65.0%
 Test Distance:3.080m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

| | | |
|---|-------|------------------|
| Test:U:119.97V I:0.1282A P:11.083W PF:0.9547 Freq:59.98Hz Lamp Flux:1082.53x1 lm | | |
| NAME: LED-6-S12W-5CCT | TYPE: | WEIGHT: |
| SPEC.: 3500K 80 | DIM.: | SERIAL No.: |
| MFR.: Light by Lotus | SUR.: | Shielding Angle: |

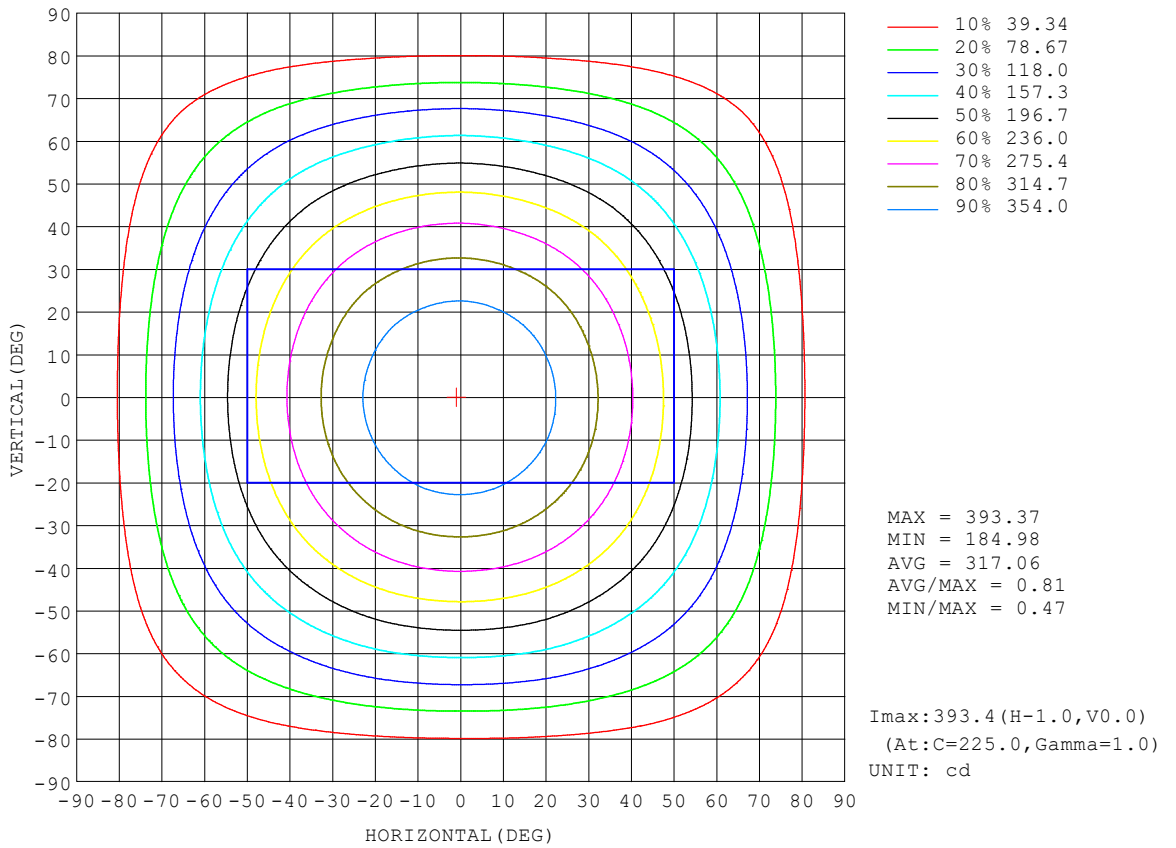
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|--|-----|-----------|-----|-----|-----|---------------|-----|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0 |
| ROOM INDEX | UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$ | | | | | | | | | |
| $k = 0.60$ | 58 | 46 | 40 | 57 | 46 | 39 | 56 | 46 | 39 | 33 |
| 0.80 | 68 | 56 | 49 | 67 | 56 | 49 | 65 | 55 | 49 | 42 |
| 1.00 | 76 | 65 | 58 | 75 | 65 | 58 | 73 | 66 | 57 | 50 |
| 1.25 | 84 | 73 | 66 | 82 | 72 | 66 | 79 | 71 | 65 | 58 |
| 1.50 | 88 | 79 | 72 | 87 | 78 | 71 | 84 | 76 | 70 | 63 |
| 2.00 | 95 | 87 | 80 | 93 | 86 | 80 | 90 | 83 | 78 | 70 |
| 2.50 | 99 | 92 | 86 | 97 | 90 | 85 | 93 | 87 | 83 | 75 |
| 3.00 | 103 | 96 | 90 | 100 | 94 | 89 | 96 | 91 | 87 | 79 |
| 4.00 | 106 | 101 | 96 | 104 | 99 | 95 | 100 | 96 | 92 | 83 |
| 5.00 | 109 | 104 | 100 | 106 | 102 | 99 | 102 | 99 | 96 | 86 |
| ROOM INDEX | UF(total) | | | | | | | | | Direct |
| According to DIN EN 13032-2 2004 | | | Suspended | | | | SHRNOM = 1.25 | | | |

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3 °C
 Operators:
 Test Date:2022-04-14

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
 Humidity:65.0%
 Test Distance:3.080m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

| | | |
|---|-------|------------------|
| Test:U:119.97V I:0.1282A P:11.083W PF:0.9547 Freq:59.98Hz Lamp Flux:1082.53x1 lm | | |
| NAME: LED-6-S12W-5CCT | TYPE: | WEIGHT: |
| SPEC.: 3500K 80 | DIM.: | SERIAL No.: |
| MFR.: Light by Lotus | SUR.: | Shielding Angle: |

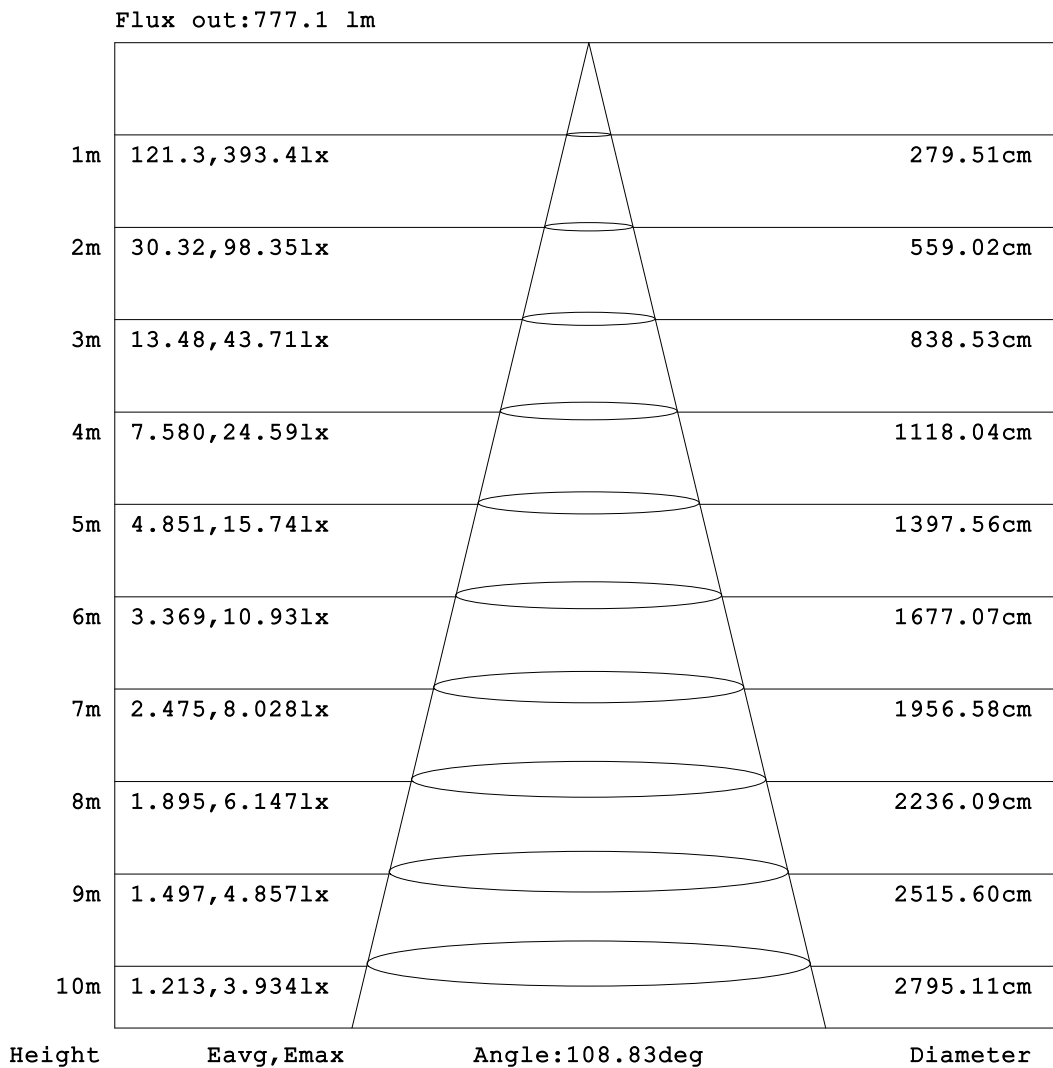


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:
 Test Date:2022-04-14

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
 Humidity:65.0%
 Test Distance:3.080m [K=1.0000]
 Remarks:

AAI Figure

| | | |
|---|-------|------------------|
| Test:U:119.97V I:0.1282A P:11.083W PF:0.9547 Freq:59.98Hz Lamp Flux:1082.53x1 lm | | |
| NAME: LED-6-S12W-5CCT | TYPE: | WEIGHT: |
| SPEC.: 3500K 80 | DIM.: | SERIAL No.: |
| MFR.: Light by Lotus | SUR.: | Shielding Angle: |



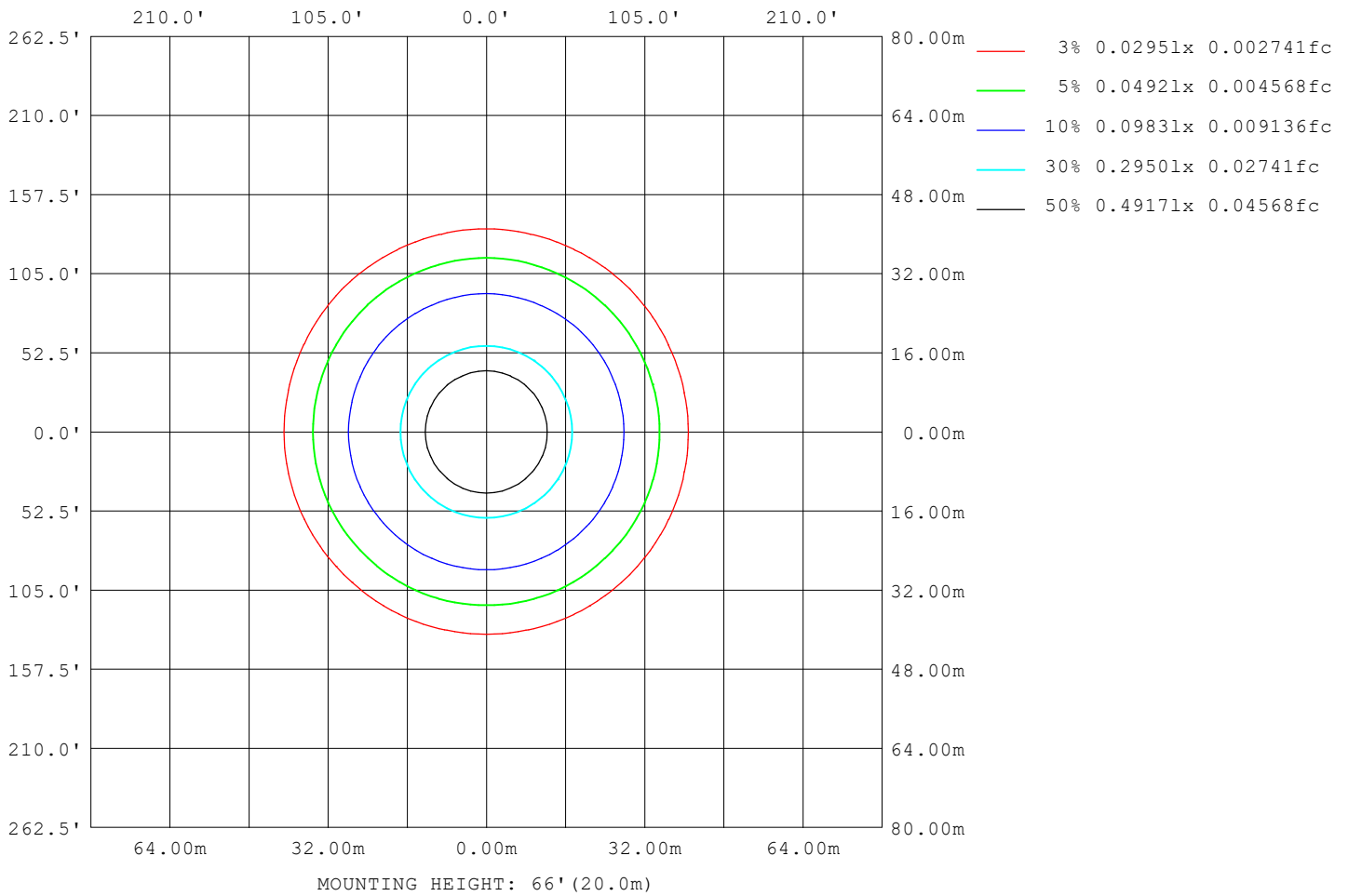
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3 °C
 Operators:
 Test Date: 2022-04-14

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
 Humidity: 65.0%
 Test Distance: 3.080m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

| | | |
|---|-------|------------------|
| Test:U:119.97V I:0.1282A P:11.083W PF:0.9547 Freq:59.98Hz Lamp Flux:1082.53x1 lm | | |
| NAME: LED-6-S12W-5CCT | TYPE: | WEIGHT: |
| SPEC.: 3500K 80 | DIM.: | SERIAL No.: |
| MFR.: Light by Lotus | SUR.: | Shielding Angle: |



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3 °C
 Operators:
 Test Date:2022-04-14

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
 Humidity:65.0%
 Test Distance:3.080m [K=1.0000]
 Remarks:

LED Avg.L Report

| | | |
|---|-------|------------------|
| Test:U:119.97V I:0.1282A P:11.083W PF:0.9547 Freq:59.98Hz Lamp Flux:1082.53x1 lm | | |
| NAME: LED-6-S12W-5CCT | TYPE: | WEIGHT: |
| SPEC.: 3500K 80 | DIM.: | SERIAL No.: |
| MFR.: Light by Lotus | SUR.: | Shielding Angle: |

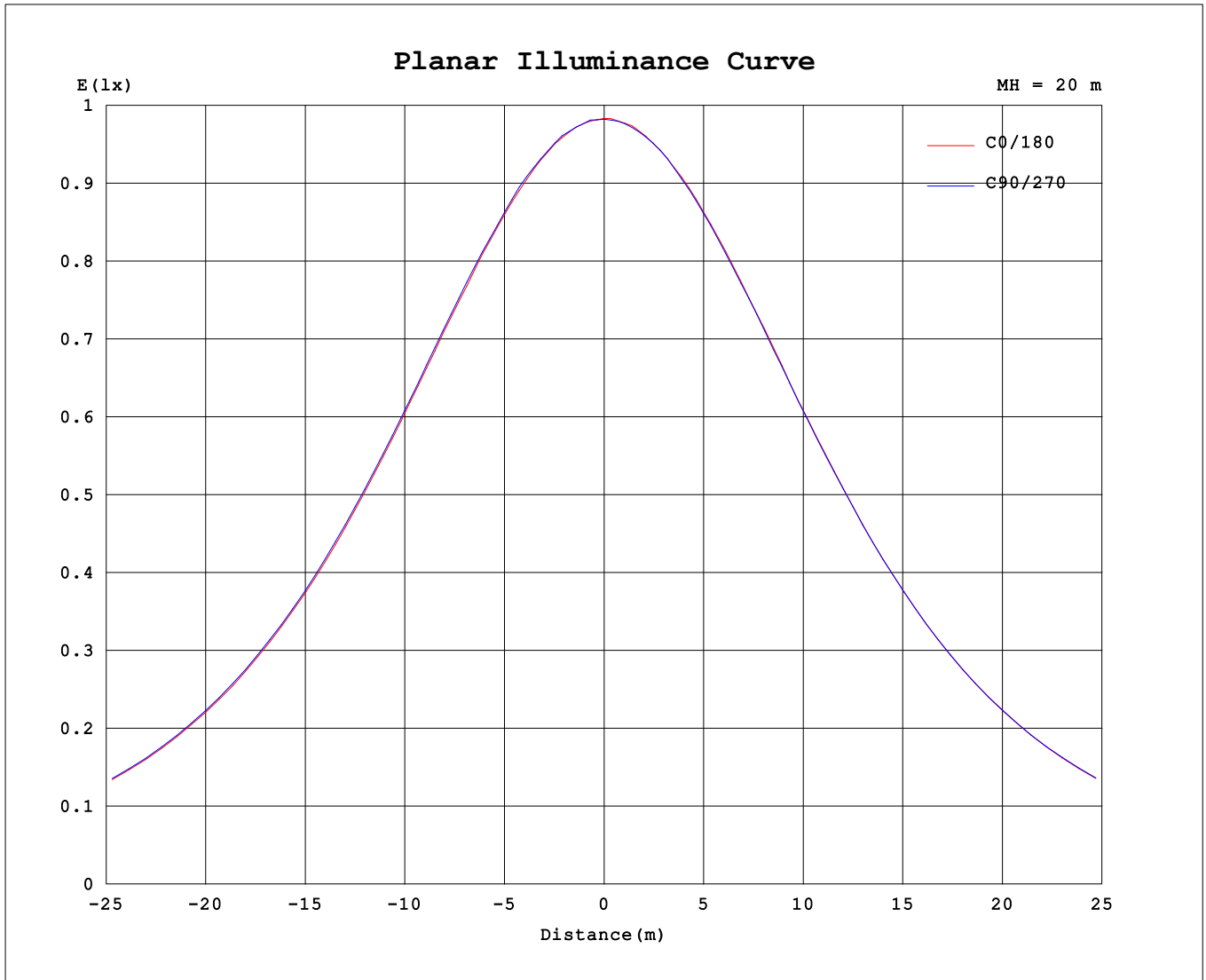
| AvgL | cd/m2 |
|------------------|-------|
| L_0~180 (65) av | 2808 |
| L_0~180 (75) av | 2491 |
| L_0~180 (85) av | 1676 |
| L_90~270 (65) av | 2842 |
| L_90~270 (75) av | 2428 |
| L_90~270 (85) av | 1035 |
| L_45 (65) av | 2826 |
| L_45 (75) av | 2473 |
| L_45 (85) av | 1397 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:
 Test Date:2022-04-14

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
 Humidity:65.0%
 Test Distance:3.080m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3 °C
 Operators:
 Test Date: 2022-04-14

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
 Humidity: 65.0%
 Test Distance: 3.080m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|---|-------|------------------|
| Test:U:119.97V I:0.1282A P:11.083W PF:0.9547 Freq:59.98Hz Lamp Flux:1082.53x1 lm | | |
| NAME: LED-6-S12W-5CCT | TYPE: | WEIGHT: |
| SPEC.: 3500K 80 | DIM.: | SERIAL No.: |
| MFR.: Light by Lotus | SUR.: | Shielding Angle: |

Table--1

UNIT: cd

| C (DEG) \ γ (DEG) | 0 | 22.5 | 45 | 67.5 | 90 | 112.5 | 135 | 157.5 | 180 | 202.5 | 225 | 247.5 | 270 | 292.5 | 315 | 337.5 | | | |
|-------------------|------|------|------|------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|--|--|--|
| 0 | 393 | 393 | 393 | 393 | 393 | 393 | 393 | 393 | 393 | 393 | 393 | 393 | 393 | 393 | 393 | 393 | | | |
| 5 | 391 | 391 | 391 | 391 | 391 | 391 | 391 | 392 | 391 | 391 | 392 | 391 | 391 | 391 | 391 | 391 | | | |
| 10 | 384 | 385 | 385 | 385 | 386 | 386 | 386 | 386 | 385 | 385 | 386 | 385 | 385 | 384 | 385 | 385 | | | |
| 15 | 374 | 375 | 376 | 376 | 376 | 376 | 376 | 376 | 376 | 376 | 376 | 375 | 376 | 374 | 374 | 375 | | | |
| 20 | 361 | 361 | 362 | 362 | 363 | 363 | 363 | 363 | 362 | 363 | 363 | 362 | 362 | 361 | 361 | 361 | | | |
| 25 | 344 | 345 | 345 | 346 | 346 | 347 | 346 | 347 | 346 | 346 | 347 | 345 | 346 | 345 | 344 | 344 | | | |
| 30 | 324 | 325 | 326 | 326 | 327 | 327 | 326 | 327 | 327 | 326 | 327 | 326 | 327 | 326 | 325 | 324 | | | |
| 35 | 301 | 303 | 303 | 304 | 304 | 304 | 304 | 304 | 304 | 304 | 305 | 304 | 304 | 303 | 302 | 302 | | | |
| 40 | 277 | 277 | 278 | 279 | 280 | 280 | 279 | 279 | 279 | 279 | 280 | 279 | 280 | 278 | 278 | 277 | | | |
| 45 | 250 | 251 | 251 | 253 | 252 | 253 | 252 | 252 | 252 | 252 | 254 | 253 | 253 | 252 | 251 | 250 | | | |
| 50 | 222 | 223 | 223 | 224 | 224 | 224 | 223 | 224 | 224 | 224 | 225 | 225 | 225 | 223 | 223 | 222 | | | |
| 55 | 192 | 194 | 193 | 195 | 194 | 195 | 193 | 194 | 194 | 194 | 196 | 195 | 196 | 194 | 194 | 192 | | | |
| 60 | 162 | 163 | 163 | 164 | 163 | 164 | 162 | 163 | 163 | 164 | 165 | 165 | 166 | 164 | 163 | 162 | | | |
| 65 | 131 | 132 | 132 | 133 | 132 | 133 | 131 | 132 | 132 | 132 | 134 | 134 | 134 | 133 | 133 | 131 | | | |
| 70 | 101 | 102 | 101 | 102 | 101 | 101 | 100 | 101 | 101 | 102 | 103 | 102 | 102 | 102 | 102 | 101 | | | |
| 75 | 71.8 | 72.2 | 71.1 | 70.4 | 69.2 | 69.6 | 70.0 | 71.3 | 71.5 | 71.9 | 72.0 | 70.7 | 70.4 | 70.5 | 71.4 | 71.9 | | | |
| 80 | 43.4 | 41.6 | 41.7 | 39.9 | 38.6 | 39.2 | 40.3 | 40.2 | 42.4 | 42.9 | 41.9 | 39.8 | 39.4 | 39.9 | 41.9 | 43.6 | | | |
| 85 | 16.9 | 12.9 | 14.2 | 11.4 | 9.78 | 10.5 | 12.3 | 11.8 | 15.6 | 16.0 | 13.6 | 11.1 | 10.3 | 11.1 | 14.0 | 17.3 | | | |
| 90 | 0.19 | 0.23 | 0.19 | 0.18 | 0.18 | 0.18 | 0.19 | 0.22 | 0.31 | 0.34 | 0.31 | 0.31 | 0.29 | 0.30 | 0.31 | 0.35 | | | |
| | | | | | | | | | | | | | | | | | | | |
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| | |
|----------------------|---|
| C Range: 0 - 360DEG | γ Range: 0 - 90DEG |
| C Interval: 22.5DEG | γ Interval: 1.0DEG |
| Test Speed: HIGH | Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421 |
| Temperature:25.3℃ | Humidity:65.0% |
| Operators: | Test Distance:3.080m [K=1.0000] |
| Test Date:2022-04-14 | Remarks: |