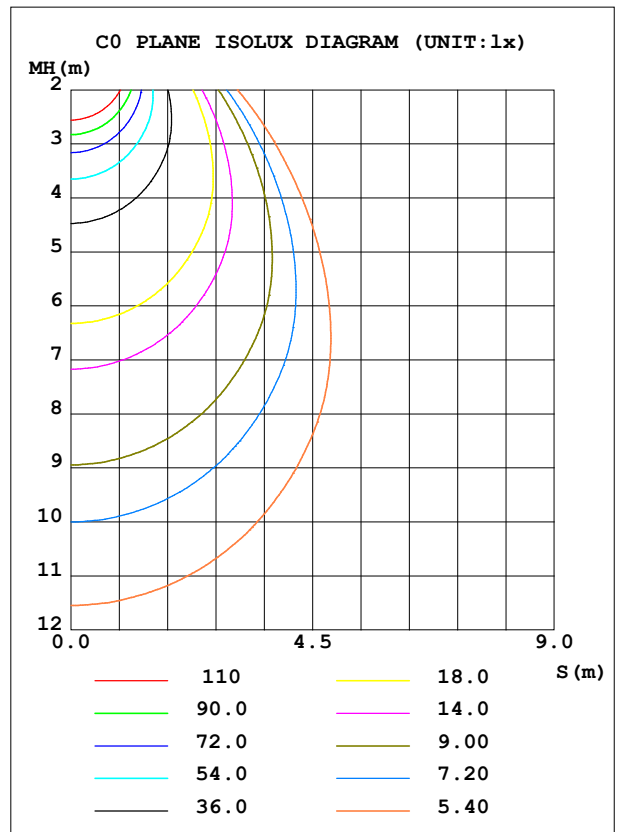
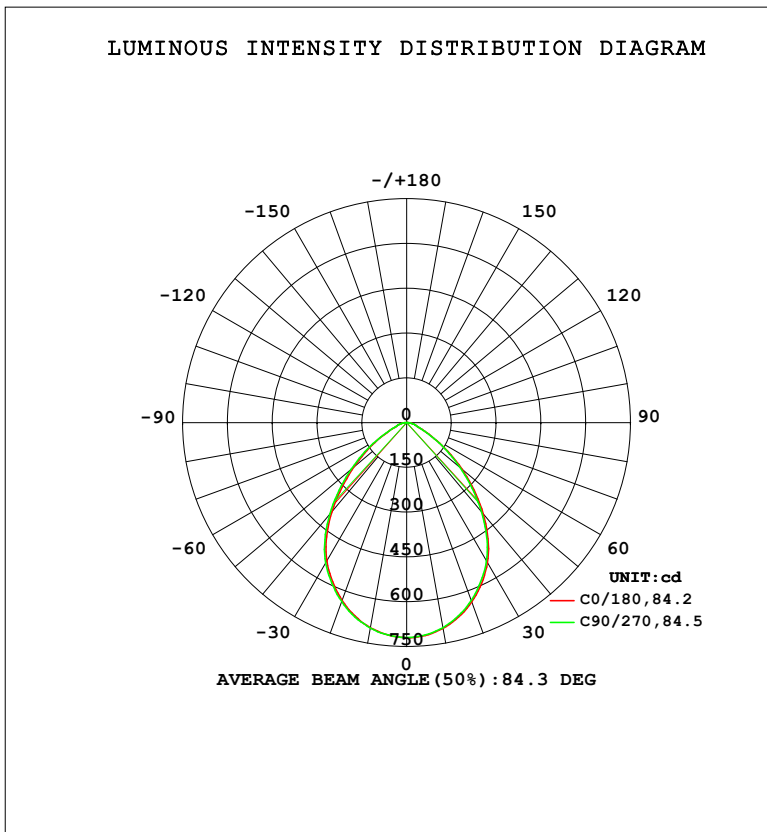


LUMINAIRE PHOTOMETRIC TEST REPORT

| | | |
|---|------------|------------------|
| Test:U:119.47V I:0.0964A P:11.127W PF:0.9664 Freq:60.01Hz | | |
| UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1314.57x1 lm | | |
| NAME: DL254-6-30W-M-A5C5-HO | TYPE: 12W | WEIGHT: |
| SPEC.: 2700K | DIM.: 0.21 | SERIAL No.: 1 |
| MFR.: Lotus LED Lights | SUR.: 0.15 | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA | | | |
|-------------------|-----------------------|-----------------------------------|--------|--|-----------|
| MODEL | DL254-6-30W-M-A5C5-HO | Imax (cd) | 720.4 | S/MH (C0/180) | 1.13 |
| NOMINAL POWER (W) | 12 | LOR (%) | 100.0 | S/MH (C90/270) | 1.13 |
| RATED VOLTAGE (V) | 120 | TOTAL FLUX (lm) | 1314.6 | <input type="checkbox"/> UP, DN (C0-180) | 0.0, 50.3 |
| NOMINAL FLUX (lm) | 1314.57 | CIE CLASS | DIRECT | <input type="checkbox"/> UP, DN (C180-360) | 0.0, 49.7 |
| LAMPS INSIDE | 1 | <input type="checkbox"/> up (%) | 0.0 | CIBSE SHR NOM | 1.00 |
| TEST VOLTAGE (V) | 120 | <input type="checkbox"/> down (%) | 100.0 | CIBSE SHR MAX | 1.15 |



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators: DAMIN
 Test Date: 2023-07-03

Range: 0 - 90DEG
 Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.461
 Humidity: 65.0%
 Test Distance: 9.680m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

| ° | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | ° | □ zone | □ total | %lum,lamp |
|-----|-----------------------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|-----------|
| 10 | 697.6 | 697.7 | 698.9 | 700.1 | 700.1 | 699.0 | 697.6 | 695.1 | 0- 10 | 67.67 | 67.67 | 5.15,5.15 |
| 20 | 633.5 | 635.4 | 637.2 | 639.8 | 638.8 | 636.7 | 633.2 | 630.2 | 10- 20 | 189.0 | 256.7 | 19.5,19.5 |
| 30 | 535.2 | 538.2 | 542.8 | 544.4 | 542.1 | 538.6 | 535.7 | 531.7 | 20- 30 | 271.4 | 528.1 | 40.2,40.2 |
| 40 | 389.0 | 395.0 | 400.8 | 401.6 | 399.4 | 394.5 | 390.3 | 386.6 | 30- 40 | 293.6 | 821.8 | 62.5,62.5 |
| 50 | 229.8 | 237.5 | 242.3 | 241.9 | 241.4 | 237.5 | 233.2 | 229.1 | 40- 50 | 241.8 | 1064 | 80.9,80.9 |
| 60 | 104.3 | 106.4 | 109.3 | 108.9 | 107.2 | 108.5 | 105.3 | 102.4 | 50- 60 | 150.0 | 1214 | 92.3,92.3 |
| 70 | 37.46 | 37.43 | 37.63 | 37.85 | 38.04 | 37.83 | 37.69 | 37.60 | 60- 70 | 64.02 | 1278 | 97.2,97.2 |
| 80 | 17.14 | 17.16 | 17.38 | 17.81 | 17.61 | 15.57 | 17.31 | 17.99 | 70- 80 | 29.17 | 1307 | 99.4,99.4 |
| 90 | 0.3146 | 0.3015 | 0.2819 | 0.2819 | 0.5244 | 0.5310 | 0.5441 | 0.5506 | 80- 90 | 7.771 | 1315 | 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 | | |

Conical surface Flux(90deg): 952.71 lm

%lum = 72.5%

%lamp = 72.5%

Conical surface Flux(130deg): 1253.6 lm

%lum = 95.4%

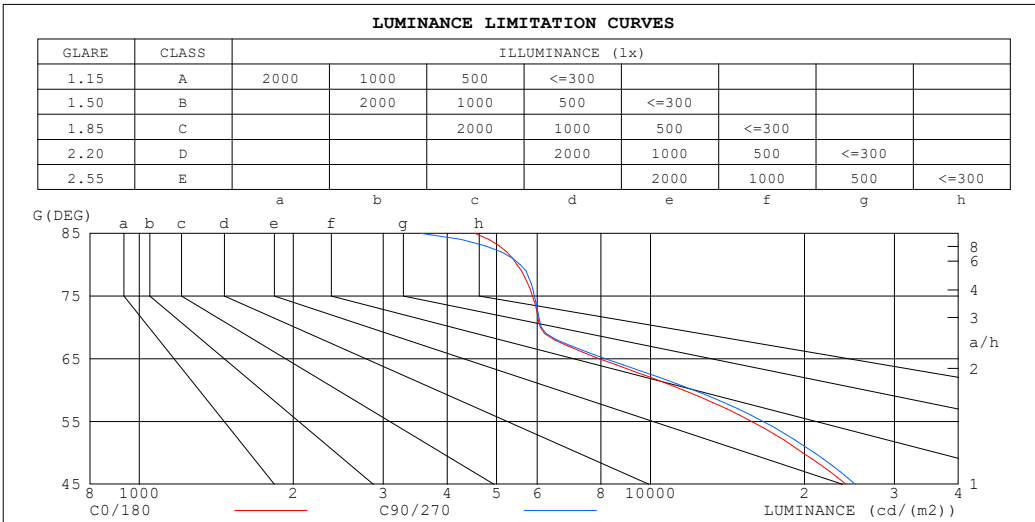
%lamp = 95.4%

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2023-07-03

□ Range: 0 - 90DEG
 □ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
 Humidity:65.0%
 Test Distance:9.680m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

| | | |
|---|------------|------------------|
| Test:U:119.47V I:0.0964A P:11.127W PF:0.9664 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1314.57x1 lm | | |
| NAME: DL254-6-30W-M-A5C5-HO | TYPE: 12W | WEIGHT: |
| SPEC.: 2700K | DIM.: 0.21 | SERIAL No.: 1 |
| MFR.: Lotus LED Lights | SUR.: 0.15 | Shielding Angle: |



| LUMINANCE cd/(m2) | | |
|-------------------|--------|---------|
| G (DEG) | C0/180 | C90/270 |
| 85 | 4529 | 3549 |
| 80 | 5483 | 5561 |
| 75 | 5872 | 5927 |
| 70 | 6084 | 6112 |
| 65 | 7941 | 8165 |
| 60 | 11594 | 12146 |
| 55 | 15768 | 16616 |
| 50 | 19865 | 20942 |
| 45 | 24115 | 25133 |

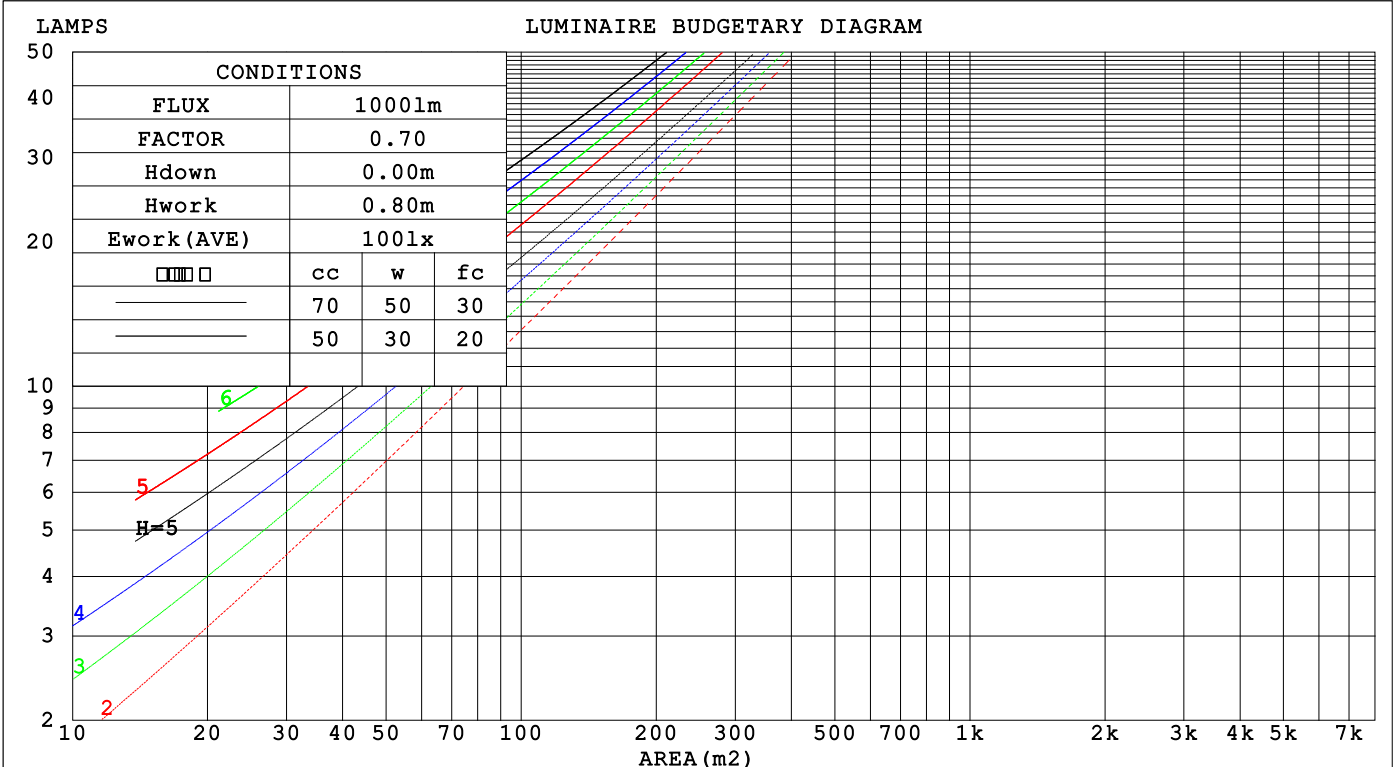
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2023-07-03

Range: 0 - 90DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
 Humidity:65.0%
 Test Distance:9.680m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|---|------------|------------------|
| Test:U:119.47V I:0.0964A P:11.127W PF:0.9664 Freq:60.01Hz | | |
| UTHdi:0.00% ITHdi:0.00% KDisp:0 Lamp Flux:1314.57x1 lm | | |
| NAME: DL254-6-30W-M-A5C5-HO | TYPE: 12W | WEIGHT: |
| SPEC.: 2700K | DIM.: 0.21 | SERIAL No.: 1 |
| MFR.: Lotus LED Lights | SUR.: 0.15 | Shielding Angle: |

| | | | | | | | | | | | | | | | | |
|------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|------|------|------|------|
| □cc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
| □w | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| □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 | 1.11 | 1.11 | 1.11 | 1.06 | 1.06 | 1.06 | 1.02 | 1.02 | 1.02 | 1.00 |
| 1.0 | 1.07 | 1.04 | 1.01 | 1.05 | 1.02 | .99 | 1.01 | .99 | .96 | .97 | .95 | .93 | .94 | .92 | .91 | .89 |
| 2.0 | .96 | .91 | .86 | .95 | .90 | .85 | .91 | .87 | .83 | .88 | .85 | .82 | .85 | .82 | .80 | .78 |
| 3.0 | .87 | .80 | .75 | .85 | .79 | .74 | .83 | .77 | .73 | .80 | .75 | .72 | .78 | .74 | .71 | .69 |
| 4.0 | .79 | .71 | .66 | .77 | .70 | .65 | .75 | .69 | .64 | .73 | .68 | .63 | .71 | .66 | .63 | .61 |
| 5.0 | .71 | .64 | .58 | .70 | .63 | .58 | .68 | .62 | .57 | .67 | .61 | .57 | .65 | .60 | .56 | .54 |
| 6.0 | .65 | .57 | .52 | .64 | .57 | .52 | .63 | .56 | .51 | .61 | .55 | .51 | .60 | .54 | .50 | .49 |
| 7.0 | .60 | .52 | .47 | .59 | .52 | .46 | .58 | .51 | .46 | .56 | .50 | .46 | .55 | .50 | .46 | .44 |
| 8.0 | .55 | .47 | .42 | .54 | .47 | .42 | .53 | .47 | .42 | .52 | .46 | .42 | .51 | .45 | .41 | .40 |
| 9.0 | .51 | .44 | .39 | .50 | .43 | .38 | .49 | .43 | .38 | .48 | .42 | .38 | .47 | .42 | .38 | .36 |
| 10.0 | .47 | .40 | .35 | .47 | .40 | .35 | .46 | .40 | .35 | .45 | .39 | .35 | .44 | .39 | .35 | .33 |



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2023-07-03

□ Range: 0 - 90DEG
 □ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
 Humidity:65.0%
 Test Distance:9.680m [K=1.0000]
 Remarks:

WEC AND CCEC

| | | |
|---|------------|------------------|
| Test:U:119.47V I:0.0964A P:11.127W PF:0.9664 Freq:60.01Hz | | |
| UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1314.57x1 lm | | |
| NAME: DL254-6-30W-M-A5C5-HO | TYPE: 12W | WEIGHT: |
| SPEC.: 2700K | DIM.: 0.21 | SERIAL No.: 1 |
| MFR.: Lotus LED Lights | SUR.: 0.15 | Shielding Angle: |

| | | | | | | | | | | | | | | | | |
|-----------------------------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|------|------|------|---|
| <input type="checkbox"/> cc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
| <input type="checkbox"/> w | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| <input type="checkbox"/> fc | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Wall Exitance Coefficients(WEC) | | | | | | | | | |
| 0.0 | | | | | | | | | | | | | | | | |
| 1.0 | .242 | .138 | .044 | .235 | .134 | .043 | .222 | .127 | .041 | .210 | .121 | .039 | .199 | .116 | .037 | |
| 2.0 | .234 | .128 | .039 | .228 | .125 | .039 | .217 | .120 | .037 | .206 | .116 | .036 | .197 | .111 | .035 | |
| 3.0 | .222 | .118 | .035 | .216 | .116 | .035 | .207 | .112 | .034 | .198 | .108 | .033 | .189 | .105 | .032 | |
| 4.0 | .209 | .109 | .032 | .204 | .107 | .032 | .196 | .104 | .031 | .188 | .101 | .030 | .180 | .098 | .030 | |
| 5.0 | .197 | .100 | .029 | .193 | .099 | .029 | .185 | .096 | .028 | .178 | .094 | .028 | .172 | .092 | .028 | |
| 6.0 | .186 | .093 | .027 | .182 | .092 | .026 | .175 | .090 | .026 | .169 | .088 | .026 | .163 | .086 | .025 | |
| 7.0 | .175 | .087 | .025 | .172 | .086 | .024 | .166 | .084 | .024 | .160 | .082 | .024 | .155 | .080 | .024 | |
| 8.0 | .165 | .081 | .023 | .163 | .080 | .023 | .157 | .078 | .022 | .152 | .077 | .022 | .147 | .076 | .022 | |
| 9.0 | .157 | .076 | .021 | .154 | .075 | .021 | .149 | .074 | .021 | .145 | .072 | .021 | .140 | .071 | .021 | |
| 10.0 | .148 | .071 | .020 | .146 | .071 | .020 | .142 | .069 | .020 | .138 | .068 | .019 | .134 | .067 | .019 | |

| | | | | | | | | | | | | | | | | |
|-----------------------------|-----------------------|------|------|------|------|------|--|------|------|------|------|------|------|------|------|---|
| <input type="checkbox"/> cc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
| <input type="checkbox"/> w | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| <input type="checkbox"/> fc | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Ceiling Cavity Exitance Coefficients(CCEC) | | | | | | | | | |
| 0.0 | | | | | | | | | | | | | | | | |
| 1.0 | .190 | .190 | .190 | .163 | .163 | .163 | .111 | .111 | .111 | .064 | .064 | .064 | .020 | .020 | .020 | |
| 2.0 | .176 | .157 | .140 | .150 | .135 | .120 | .103 | .093 | .083 | .059 | .054 | .048 | .019 | .017 | .016 | |
| 3.0 | .165 | .132 | .105 | .141 | .114 | .091 | .097 | .079 | .063 | .056 | .046 | .037 | .018 | .015 | .012 | |
| 4.0 | .155 | .114 | .081 | .133 | .098 | .070 | .091 | .068 | .049 | .053 | .040 | .029 | .017 | .013 | .010 | |
| 5.0 | .147 | .100 | .064 | .126 | .086 | .056 | .087 | .060 | .039 | .050 | .035 | .023 | .016 | .011 | .008 | |
| 6.0 | .140 | .089 | .052 | .120 | .077 | .045 | .083 | .054 | .032 | .048 | .032 | .019 | .015 | .010 | .006 | |
| 7.0 | .133 | .081 | .043 | .114 | .070 | .038 | .079 | .049 | .027 | .046 | .029 | .016 | .015 | .009 | .005 | |
| 8.0 | .126 | .074 | .036 | .109 | .064 | .032 | .075 | .045 | .023 | .044 | .026 | .013 | .014 | .009 | .004 | |
| 9.0 | .121 | .068 | .031 | .104 | .059 | .027 | .072 | .041 | .019 | .042 | .024 | .012 | .014 | .008 | .004 | |
| 10.0 | .115 | .063 | .027 | .099 | .054 | .024 | .069 | .038 | .017 | .040 | .023 | .010 | .013 | .007 | .003 | |
| 10.0 | .110 | .058 | .024 | .095 | .051 | .021 | .066 | .036 | .015 | .038 | .021 | .009 | .012 | .007 | .003 | |

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2023-07-03

Range: 0 - 90DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
 Humidity:65.0%
 Test Distance:9.680m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

| | | |
|---|------------|------------------|
| Test:U:119.47V I:0.0964A P:11.127W PF:0.9664 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1314.57x1 lm | | |
| NAME: DL254-6-30W-M-A5C5-HO | TYPE: 12W | WEIGHT: |
| SPEC.: 2700K | DIM.: 0.21 | SERIAL No.: 1 |
| MFR.: Lotus LED Lights | SUR.: 0.15 | 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 | 21.7 | 23.0 | 21.9 | 23.1 | 23.3 | 21.8 | 23.1 | 22.1 | 23.3 | 23.5 |
| 3H | 21.9 | 23.1 | 22.1 | 23.3 | 23.5 | 22.0 | 23.2 | 22.3 | 23.4 | 23.7 |
| 4H | 22.0 | 23.1 | 22.3 | 23.3 | 23.6 | 22.1 | 23.2 | 22.4 | 23.5 | 23.7 |
| 6H | 22.0 | 23.1 | 22.4 | 23.4 | 23.6 | 22.2 | 23.3 | 22.5 | 23.5 | 23.8 |
| 8H | 22.1 | 23.1 | 22.4 | 23.4 | 23.6 | 22.2 | 23.2 | 22.5 | 23.5 | 23.8 |
| 12H | 22.1 | 23.0 | 22.4 | 23.3 | 23.6 | 22.2 | 23.2 | 22.5 | 23.5 | 23.8 |
| 4H 2H | 21.7 | 22.9 | 22.0 | 23.1 | 23.4 | 21.9 | 23.0 | 22.2 | 23.3 | 23.5 |
| 3H | 22.1 | 23.0 | 22.4 | 23.3 | 23.6 | 22.2 | 23.2 | 22.5 | 23.5 | 23.8 |
| 4H | 22.3 | 23.1 | 22.6 | 23.4 | 23.8 | 22.4 | 23.3 | 22.7 | 23.6 | 23.9 |
| 6H | 22.4 | 23.2 | 22.8 | 23.5 | 23.9 | 22.6 | 23.3 | 22.9 | 23.7 | 24.0 |
| 8H | 22.5 | 23.2 | 22.9 | 23.6 | 23.9 | 22.6 | 23.3 | 23.0 | 23.7 | 24.1 |
| 12H | 22.5 | 23.2 | 22.9 | 23.6 | 24.0 | 22.6 | 23.3 | 23.1 | 23.7 | 24.1 |
| 8H 4H | 22.3 | 23.0 | 22.7 | 23.3 | 23.7 | 22.4 | 23.1 | 22.8 | 23.5 | 23.9 |
| 6H | 22.5 | 23.1 | 23.0 | 23.5 | 23.9 | 22.7 | 23.3 | 23.1 | 23.7 | 24.1 |
| 8H | 22.7 | 23.2 | 23.1 | 23.6 | 24.0 | 22.8 | 23.3 | 23.2 | 23.7 | 24.2 |
| 12H | 22.7 | 23.2 | 23.2 | 23.6 | 24.1 | 22.8 | 23.3 | 23.3 | 23.7 | 24.2 |
| 12H 4H | 22.2 | 22.9 | 22.7 | 23.3 | 23.7 | 22.4 | 23.0 | 22.8 | 23.4 | 23.8 |
| 6H | 22.5 | 23.1 | 23.0 | 23.5 | 23.9 | 22.7 | 23.2 | 23.1 | 23.6 | 24.1 |
| 8H | 22.7 | 23.1 | 23.1 | 23.6 | 24.0 | 22.8 | 23.2 | 23.3 | 23.7 | 24.2 |
| Variations with the observer position at spacings(CIE Pub.117): | | | | | | | | | | |
| S = 1.0H | + 0.8 / - 1.0 | | | | | + 0.7 / - 1.0 | | | | |
| 1.5H | + 0.4 / - 0.4 | | | | | + 0.4 / - 0.5 | | | | |
| 2.0H | + 1.6 / - 1.9 | | | | | + 1.7 / - 2.0 | | | | |

CIE Pub.117, 1315 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 1.0)
 Area: 0.018 m2

| | |
|----------------------|---|
| C Range: 0 - 360DEG | <input type="checkbox"/> Range: 0 - 90DEG |
| C Interval: 22.5DEG | <input type="checkbox"/> Interval: 1.0DEG |
| Test Speed: HIGH | Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461 |
| Temperature:25.3°C | Humidity:65.0% |
| Operators:DAMIN | Test Distance:9.680m [K=1.0000] |
| Test Date:2023-07-03 | Remarks: |

UTILIZATION FACTORS TABLE

| | | |
|---|------------|------------------|
| Test:U:119.47V I:0.0964A P:11.127W PF:0.9664 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1314.57x1 lm | | |
| NAME: DL254-6-30W-M-A5C5-HO | TYPE: 12W | WEIGHT: |
| SPEC.: 2700K | DIM.: 0.21 | SERIAL No.: 1 |
| MFR.: Lotus LED Lights | SUR.: 0.15 | Shielding Angle: |

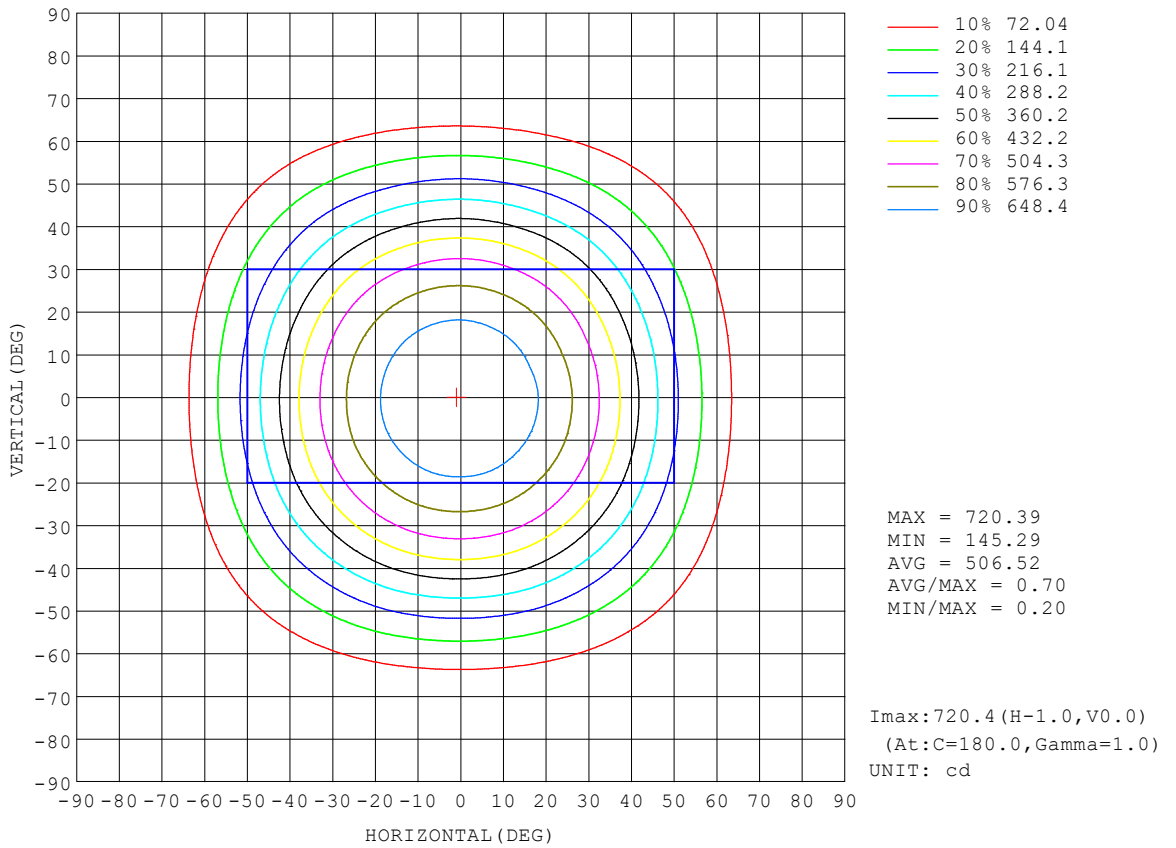
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|--|-----|-----------|-----|-----|-----|---------------|-----|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 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 | 68 | 58 | 52 | 67 | 58 | 52 | 66 | 57 | 52 | 46 |
| 0.80 | 78 | 68 | 62 | 77 | 68 | 62 | 75 | 67 | 62 | 56 |
| 1.00 | 86 | 77 | 71 | 84 | 76 | 71 | 83 | 77 | 70 | 64 |
| 1.25 | 92 | 84 | 78 | 91 | 83 | 78 | 88 | 82 | 77 | 71 |
| 1.50 | 96 | 88 | 83 | 95 | 88 | 83 | 92 | 86 | 82 | 75 |
| 2.00 | 101 | 95 | 90 | 100 | 94 | 89 | 97 | 92 | 88 | 81 |
| 2.50 | 104 | 98 | 94 | 102 | 97 | 93 | 99 | 94 | 91 | 84 |
| 3.00 | 107 | 102 | 97 | 105 | 100 | 96 | 101 | 97 | 94 | 87 |
| 4.00 | 110 | 105 | 102 | 107 | 104 | 100 | 104 | 100 | 98 | 90 |
| 5.00 | 111 | 108 | 105 | 109 | 106 | 103 | 105 | 102 | 100 | 92 |
| 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:DAMIN
 Test Date:2023-07-03

Range: 0 - 90DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
 Humidity:65.0%
 Test Distance:9.680m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

| | | |
|---|------------|------------------|
| Test:U:119.47V I:0.0964A P:11.127W PF:0.9664 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1314.57x1 lm | | |
| NAME: DL254-6-30W-M-A5C5-HO | TYPE: 12W | WEIGHT: |
| SPEC.: 2700K | DIM.: 0.21 | SERIAL No.: 1 |
| MFR.: Lotus LED Lights | SUR.: 0.15 | Shielding Angle: |

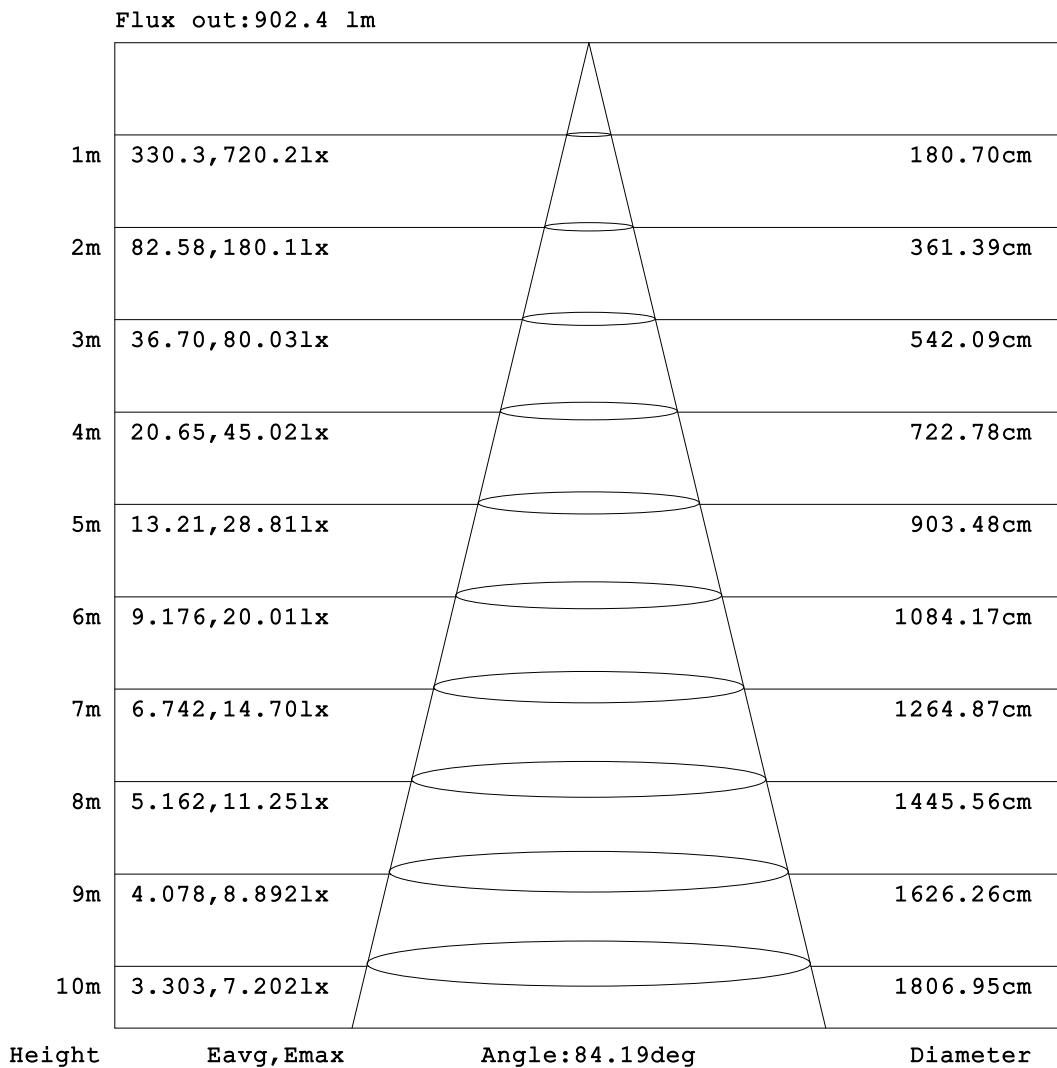


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators: DAMIN
 Test Date: 2023-07-03

Range: 0 - 90DEG
 Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.461
 Humidity: 65.0%
 Test Distance: 9.680m [K=1.0000]
 Remarks:

AAI Figure

| | | |
|---|------------|------------------|
| Test:U:119.47V I:0.0964A P:11.127W PF:0.9664 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1314.57x1 lm | | |
| NAME: DL254-6-30W-M-A5C5-HO | TYPE: 12W | WEIGHT: |
| SPEC.: 2700K | DIM.: 0.21 | SERIAL No.: 1 |
| MFR.: Lotus LED Lights | SUR.: 0.15 | Shielding Angle: |



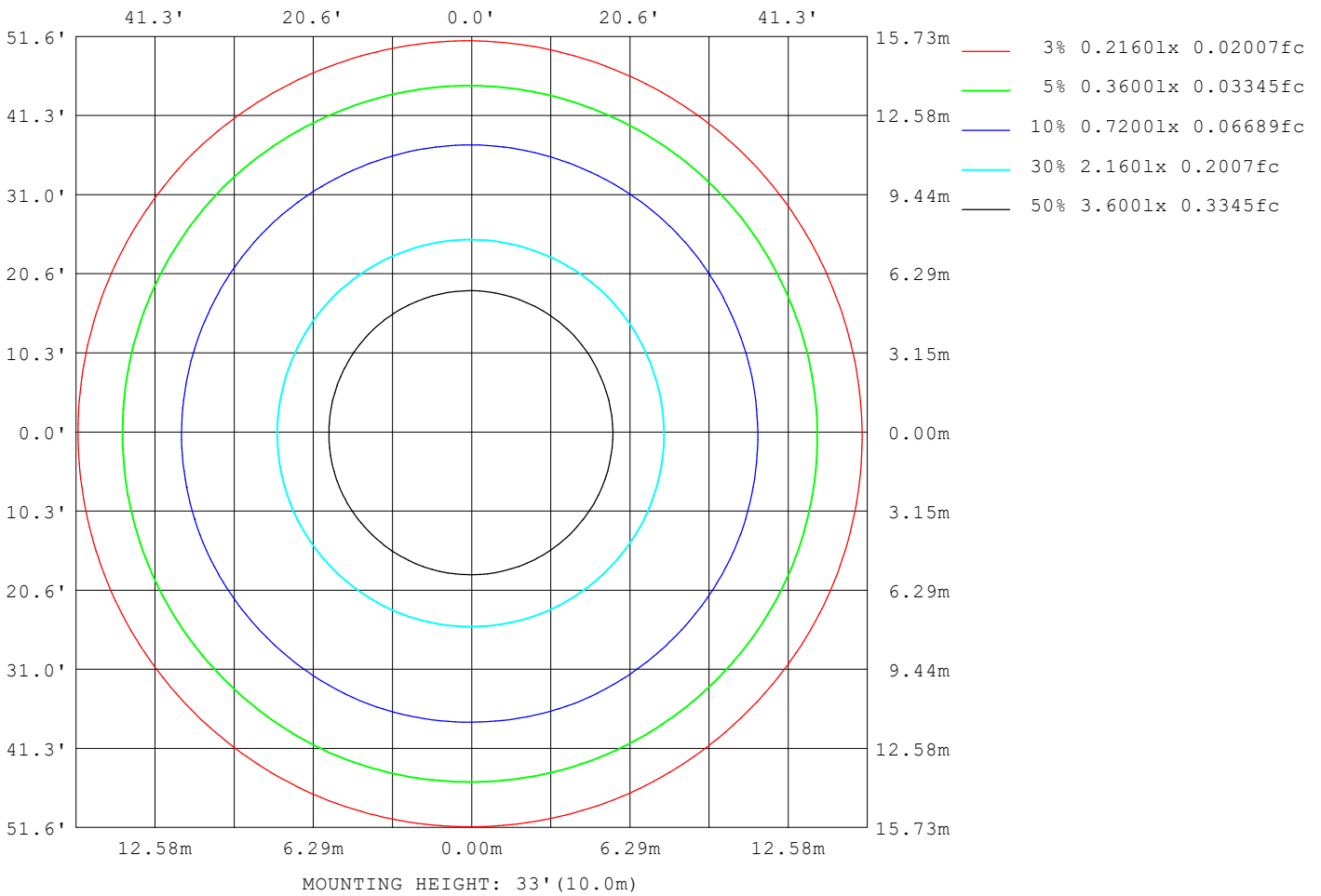
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators: DAMIN
 Test Date: 2023-07-03

Range: 0 - 90DEG
 Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.461
 Humidity: 65.0%
 Test Distance: 9.680m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

| | | |
|---|------------|------------------|
| Test:U:119.47V I:0.0964A P:11.127W PF:0.9664 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1314.57x1 lm | | |
| NAME: DL254-6-30W-M-A5C5-HO | TYPE: 12W | WEIGHT: |
| SPEC.: 2700K | DIM.: 0.21 | SERIAL No.: 1 |
| MFR.: Lotus LED Lights | SUR.: 0.15 | Shielding Angle: |



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2023-07-03

Range: 0 - 90DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
 Humidity:65.0%
 Test Distance:9.680m [K=1.0000]
 Remarks:

LED Avg.L Report

| | | |
|---|------------|------------------|
| Test:U:119.47V I:0.0964A P:11.127W PF:0.9664 Freq:60.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1314.57x1 lm | | |
| NAME: DL254-6-30W-M-A5C5-HO | TYPE: 12W | WEIGHT: |
| SPEC.: 2700K | DIM.: 0.21 | SERIAL No.: 1 |
| MFR.: Lotus LED Lights | SUR.: 0.15 | Shielding Angle: |

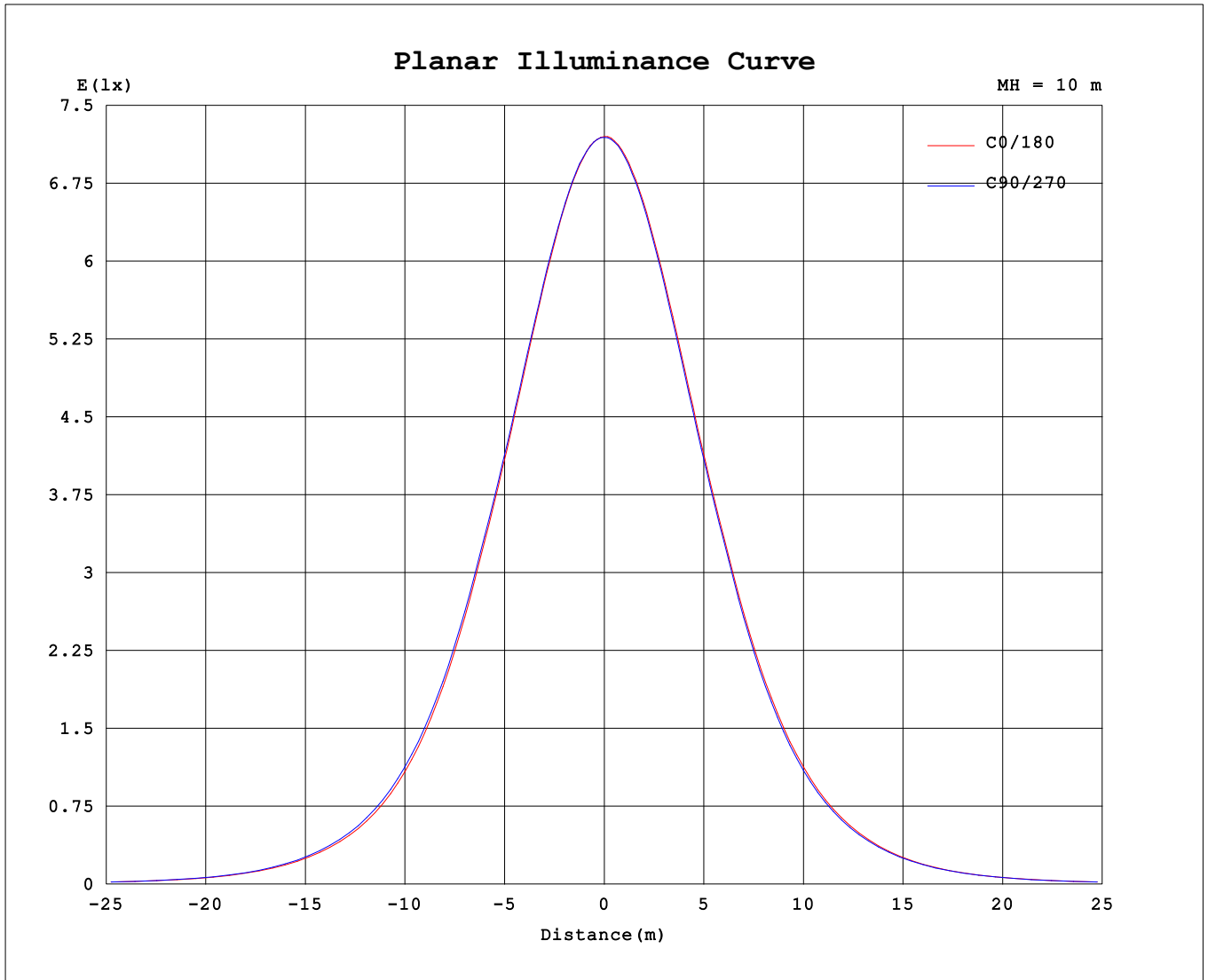
| AvgL | cd/m2 |
|------------------|-------|
| L_0~180 (65) av | 8038 |
| L_0~180 (75) av | 5920 |
| L_0~180 (85) av | 4650 |
| L_90~270 (65) av | 8094 |
| L_90~270 (75) av | 5950 |
| L_90~270 (85) av | 3560 |
| L_45 (65) av | 8059 |
| L_45 (75) av | 5962 |
| L_45 (85) av | 4006 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:DAMIN
 Test Date:2023-07-03

Range: 0 - 90DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
 Humidity:65.0%
 Test Distance:9.680m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: DAMIN
Test Date: 2023-07-03

Range: 0 - 90DEG
 Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity: 65.0%
Test Distance: 9.680m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.47V I:0.0964A P:11.127W PF:0.9664 Freq:60.01Hz
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1314.57x1 lm
NAME: DL254-6-30W-M-A5C5-HO TYPE: 12W WEIGHT:
SPEC.: 2700K DIM.: 0.21 SERIAL No.: 1
MFR.: Lotus LED Lights SUR.: 0.15 Shielding Angle:

Table--1

UNIT: cd

Table with 18 columns and 20 rows showing luminous intensity data. Columns represent C (DEG) from 0 to 337.5. Rows represent phi (DEG) from 0 to 90. Values range from 0.31 to 720 cd.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3C
Operators:DAMIN
Test Date:2023-07-03

phi Range: 0 - 90DEG
phi Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:9.680m [K=1.0000]
Remarks: