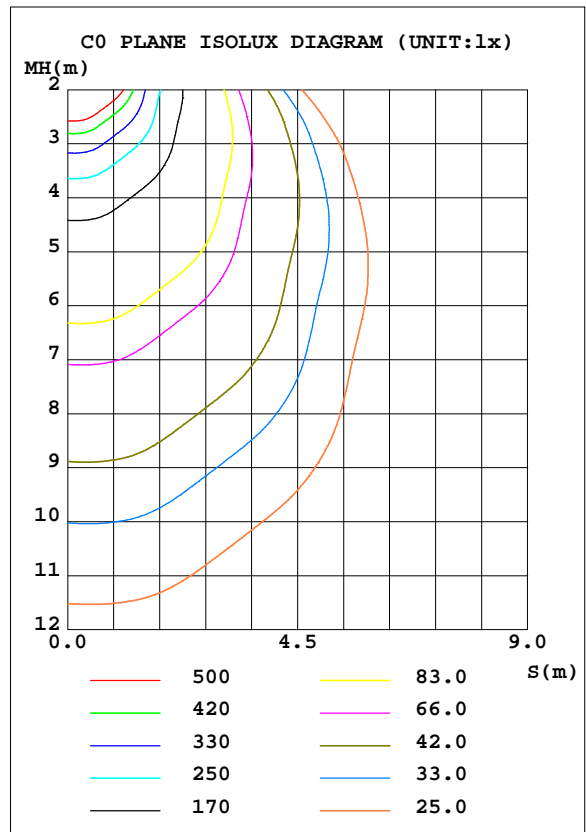
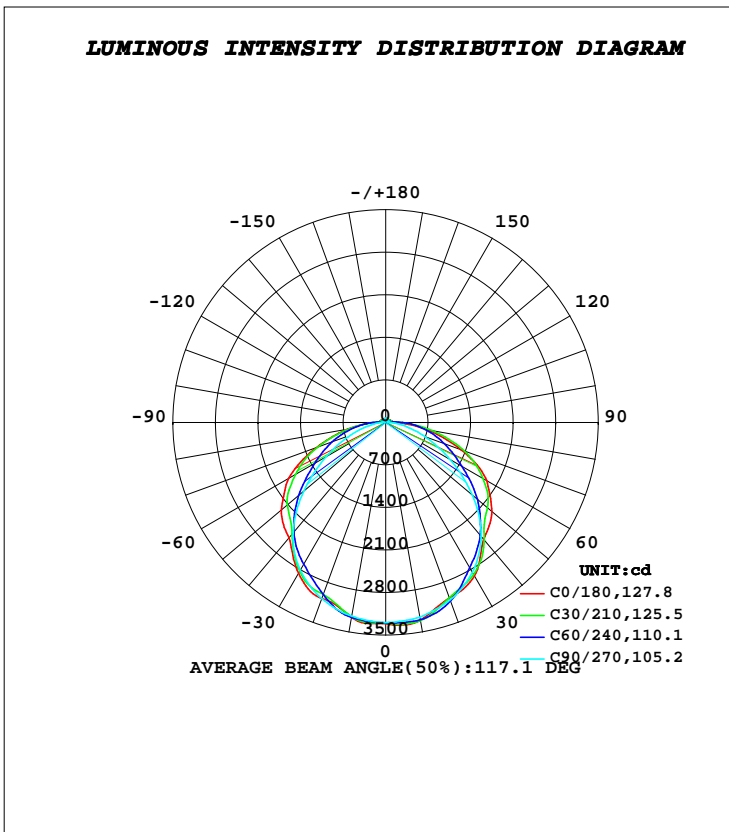


LUMINAIRE PHOTOMETRIC TEST REPORT

| | | |
|---|---------------------|--|
| Test:U:221.70V I:0.3220A P:70.100W PF:0.9780 Freq:50.00Hz | | |
| Lamp Flux:10612.8x1 lm | | |
| Name: NS59-1500MM-70W | Type: LED | |
| MFR.: Lumega Group | DIM.: 1500*130*85mm | |
| | SUR.: 1480*110mm | |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 151.39 lm/W | | | |
|------------------|---------|-----------------------------------|--------|--------------------|----------|
| MODEL | | I _{max} (cd) | 3345 | S/MH(C0/180) | 1.30 |
| NOMINAL POWER(W) | 70 | LOR(%) | 100.0 | S/MH(C90/270) | 1.28 |
| RATED VOLTAGE(V) | 220 | TOTAL FLUX(lm) | 10613 | η UP, DN(C0-180) | 2.1,48.4 |
| NOMINAL FLUX(lm) | 10612.8 | CIE CLASS | DIRECT | η UP, DN(C180-360) | 2.2,47.4 |
| LAMPS INSIDE | 1 | η up(%) | 4.2 | CIBSE SHR NOM | 1.25 |
| TEST VOLTAGE(V) | 220 | η down(%) | 95.8 | CIBSE SHR MAX | 1.35 |



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-04-27

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity:65.0%
Test Distance:8.000m [K=0.7063]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

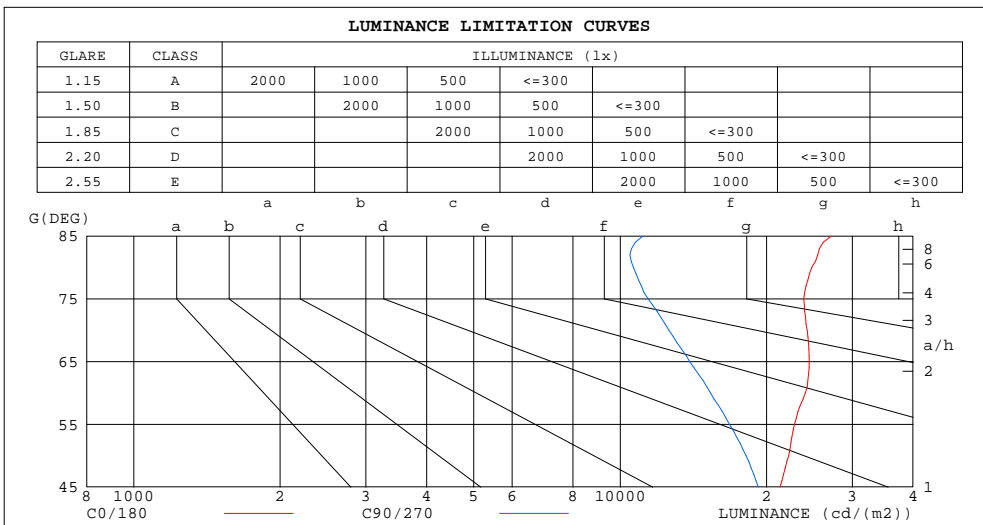
| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ | Φ zone | Φ total | %lum, lamp |
|----------|-----------------------|-------|-------|-------|-------|-------|-------|-------|----------|-------------|--------------|------------|
| 10 | 3305 | 3303 | 3250 | 3243 | 3256 | 3251 | 3236 | 3287 | 0- 10 | 314.2 | 314.2 | 2.96,2.96 |
| 20 | 3073 | 3096 | 3107 | 3017 | 3081 | 3012 | 3081 | 3077 | 10- 20 | 894.9 | 1209 | 11.4,11.4 |
| 30 | 2917 | 2829 | 2852 | 2769 | 2867 | 2763 | 2811 | 2810 | 20- 30 | 1362 | 2571 | 24.2,24.2 |
| 40 | 2511 | 2471 | 2447 | 2400 | 2479 | 2374 | 2373 | 2445 | 30- 40 | 1651 | 4222 | 39.8,39.8 |
| 50 | 2283 | 2079 | 1866 | 2025 | 2246 | 1994 | 1761 | 2055 | 40- 50 | 1725 | 5947 | 56,56 |
| 60 | 1921 | 1650 | 1227 | 1565 | 1842 | 1535 | 1131 | 1630 | 50- 60 | 1618 | 7565 | 71.3,71.3 |
| 70 | 1326 | 1205 | 689.7 | 1104 | 1209 | 1064 | 618.9 | 1194 | 60- 70 | 1318 | 8883 | 83.7,83.7 |
| 80 | 688.5 | 711.4 | 296.0 | 612.5 | 633.6 | 576.1 | 248.5 | 692.1 | 70- 80 | 875.2 | 9758 | 91.9,91.9 |
| 90 | 175.3 | 258.9 | 76.66 | 206.9 | 168.4 | 187.7 | 75.07 | 242.2 | 80- 90 | 404.3 | 10163 | 95.8,95.8 |
| 100 | 98.04 | 95.39 | 48.13 | 87.82 | 101.4 | 90.27 | 55.19 | 97.07 | 90-100 | 132.6 | 10295 | 97,97 |
| 110 | 89.61 | 69.14 | 41.34 | 66.74 | 94.54 | 71.28 | 47.56 | 74.51 | 100-110 | 81.58 | 10377 | 97.8,97.8 |
| 120 | 72.32 | 53.74 | 39.70 | 53.25 | 77.16 | 57.93 | 45.45 | 58.88 | 110-120 | 62.18 | 10439 | 98.4,98.4 |
| 130 | 59.60 | 47.71 | 42.00 | 48.28 | 63.94 | 52.98 | 47.41 | 52.61 | 120-130 | 48.22 | 10487 | 98.8,98.8 |
| 140 | 52.04 | 48.95 | 47.33 | 50.74 | 56.64 | 55.17 | 52.43 | 53.36 | 130-140 | 39.49 | 10527 | 99.2,99.2 |
| 150 | 56.34 | 54.77 | 54.04 | 56.09 | 59.70 | 59.53 | 58.13 | 58.19 | 140-150 | 34.21 | 10561 | 99.5,99.5 |
| 160 | 61.47 | 60.55 | 60.43 | 61.21 | 63.13 | 63.29 | 63.17 | 62.66 | 150-160 | 27.51 | 10588 | 99.8,99.8 |
| 170 | 66.71 | 65.39 | 65.73 | 65.70 | 66.88 | 66.26 | 66.73 | 65.99 | 160-170 | 18.11 | 10606 | 99.9,99.9 |
| 180 | 69.37 | 67.64 | 68.03 | 67.58 | 69.53 | 67.62 | 67.99 | 67.58 | 170-180 | 6.398 | 10613 | 100,100 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-04-27

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity:65.0%
Test Distance:8.000m [K=0.7063]
Remarks:

LUMINANCE LIMITATION CURVES

| | | |
|---|---------------------|--|
| Test:U:221.70V I:0.3220A P:70.100W PF:0.9780 Freq:50.00Hz | | |
| Lamp Flux:10612.8x1 lm | | |
| Name: NS59-1500MM-70W | Type: LED | |
| MFR.: Lumega Group | DIM.: 1500*130*85mm | |
| | SUR.: 1480*110mm | |



| LUMINANCE cd/(m2) | | |
|-------------------|--------|---------|
| G(DEG) | C0/180 | C90/270 |
| 85 | 27165 | 11122 |
| 80 | 24780 | 10654 |
| 75 | 23858 | 11420 |
| 70 | 24240 | 12604 |
| 65 | 24477 | 13896 |
| 60 | 24014 | 15333 |
| 55 | 22835 | 16772 |
| 50 | 22195 | 18145 |
| 45 | 21314 | 19227 |

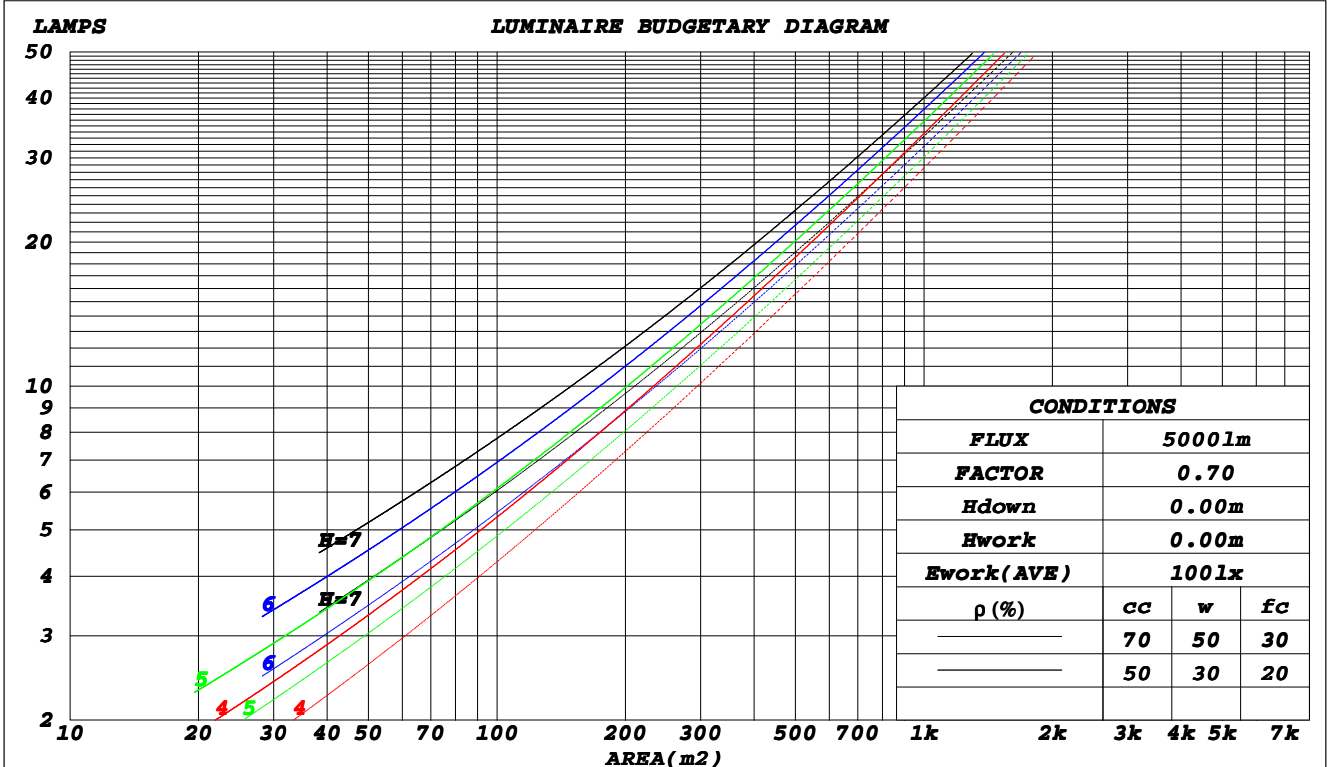
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2022-04-27

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity: 65.0%
Test Distance: 8.000m [K=0.7063]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|---|---------------------|--|
| Test:U:221.70V I:0.3220A P:70.100W PF:0.9780 Freq:50.00Hz | | |
| Lamp Flux:10612.8x1 lm | | |
| Name: NS59-1500MM-70W | Type: LED | |
| MFR.: Lumega Group | DIM.: 1500*130*85mm | |
| | SUR.: 1480*110mm | |

| 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 | 1.18 | 1.18 | 1.18 | 1.15 | 1.15 | 1.15 | 1.09 | 1.09 | 1.09 | 1.03 | 1.03 | 1.03 | .98 | .98 | .98 | .96 |
| 1.0 | 1.01 | .97 | .92 | .99 | .94 | .91 | .94 | .90 | .87 | .89 | .86 | .83 | .85 | .82 | .80 | .78 |
| 2.0 | .88 | .80 | .74 | .85 | .79 | .73 | .81 | .76 | .71 | .77 | .73 | .68 | .74 | .70 | .66 | .64 |
| 3.0 | .77 | .68 | .61 | .75 | .67 | .60 | .71 | .64 | .59 | .68 | .62 | .57 | .65 | .60 | .56 | .53 |
| 4.0 | .68 | .59 | .52 | .66 | .58 | .51 | .63 | .56 | .50 | .60 | .54 | .49 | .57 | .52 | .48 | .45 |
| 5.0 | .60 | .51 | .44 | .59 | .50 | .44 | .56 | .49 | .43 | .54 | .47 | .42 | .51 | .46 | .41 | .39 |
| 6.0 | .54 | .45 | .38 | .53 | .44 | .38 | .51 | .43 | .37 | .49 | .42 | .37 | .47 | .41 | .36 | .34 |
| 7.0 | .49 | .40 | .34 | .48 | .40 | .34 | .46 | .38 | .33 | .44 | .37 | .32 | .42 | .36 | .32 | .30 |
| 8.0 | .45 | .36 | .30 | .44 | .36 | .30 | .42 | .35 | .29 | .40 | .34 | .29 | .39 | .33 | .29 | .27 |
| 9.0 | .41 | .33 | .27 | .40 | .32 | .27 | .39 | .31 | .26 | .37 | .31 | .26 | .36 | .30 | .26 | .24 |
| 10.0 | .38 | .30 | .24 | .37 | .29 | .24 | .36 | .29 | .24 | .35 | .28 | .24 | .33 | .28 | .23 | .22 |



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2022-04-27

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.443
 Humidity: 65.0%
 Test Distance: 8.000m [K=0.7063]
 Remarks:

WEC AND CCEC

| | | |
|---|---------------------|--|
| Test:U:221.70V I:0.3220A P:70.100W PF:0.9780 Freq:50.00Hz | | |
| Lamp Flux:10612.8x1 lm | | |
| Name: NS59-1500MM-70W | Type: LED | |
| MFR.: Lumega Group | DIM.: 1500*130*85mm | |
| | SUR.: 1480*110mm | |

| 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 | .338 | .192 | .061 | .330 | .188 | .060 | .314 | .180 | .057 | .299 | .173 | .055 | .286 | .166 | .053 | |
| 2.0 | .308 | .169 | .052 | .301 | .166 | .051 | .287 | .159 | .050 | .274 | .154 | .048 | .262 | .148 | .047 | |
| 3.0 | .281 | .150 | .045 | .274 | .147 | .044 | .262 | .142 | .043 | .250 | .137 | .042 | .239 | .133 | .041 | |
| 4.0 | .257 | .133 | .039 | .251 | .131 | .039 | .240 | .127 | .038 | .229 | .123 | .037 | .220 | .119 | .036 | |
| 5.0 | .236 | .120 | .035 | .231 | .118 | .034 | .221 | .115 | .034 | .211 | .111 | .033 | .202 | .108 | .033 | |
| 6.0 | .218 | .109 | .031 | .213 | .108 | .031 | .204 | .105 | .030 | .196 | .102 | .030 | .188 | .099 | .029 | |
| 7.0 | .202 | .100 | .028 | .198 | .098 | .028 | .190 | .096 | .028 | .182 | .093 | .027 | .175 | .091 | .027 | |
| 8.0 | .188 | .092 | .026 | .184 | .091 | .026 | .177 | .088 | .025 | .170 | .086 | .025 | .163 | .084 | .024 | |
| 9.0 | .176 | .085 | .024 | .172 | .084 | .024 | .166 | .082 | .023 | .159 | .080 | .023 | .154 | .078 | .023 | |
| 10.0 | .165 | .079 | .022 | .162 | .078 | .022 | .156 | .076 | .021 | .150 | .075 | .021 | .145 | .073 | .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 | .223 | .223 | .223 | .190 | .190 | .190 | .130 | .130 | .130 | .075 | .075 | .075 | .024 | .024 | .024 | |
| 1.0 | .215 | .188 | .165 | .184 | .162 | .142 | .126 | .111 | .098 | .072 | .064 | .057 | .023 | .021 | .018 | |
| 2.0 | .207 | .165 | .129 | .178 | .142 | .111 | .122 | .098 | .078 | .070 | .057 | .046 | .023 | .018 | .015 | |
| 3.0 | .200 | .147 | .106 | .171 | .127 | .092 | .117 | .088 | .064 | .068 | .052 | .038 | .022 | .017 | .012 | |
| 4.0 | .192 | .134 | .090 | .165 | .116 | .078 | .113 | .081 | .055 | .065 | .047 | .033 | .021 | .015 | .011 | |
| 5.0 | .184 | .124 | .080 | .158 | .107 | .069 | .109 | .075 | .049 | .063 | .044 | .029 | .020 | .014 | .010 | |
| 6.0 | .177 | .116 | .072 | .152 | .100 | .063 | .105 | .070 | .044 | .061 | .041 | .026 | .020 | .014 | .009 | |
| 7.0 | .170 | .109 | .066 | .146 | .094 | .058 | .101 | .066 | .041 | .059 | .039 | .024 | .019 | .013 | .008 | |
| 8.0 | .163 | .103 | .062 | .141 | .090 | .054 | .097 | .063 | .038 | .057 | .037 | .023 | .018 | .012 | .008 | |
| 9.0 | .157 | .098 | .059 | .135 | .085 | .051 | .094 | .060 | .036 | .055 | .035 | .022 | .018 | .012 | .007 | |
| 10.0 | .151 | .094 | .056 | .131 | .082 | .049 | .091 | .057 | .035 | .053 | .034 | .021 | .017 | .011 | .007 | |

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-04-27

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity:65.0%
Test Distance:8.000m [K=0.7063]
Remarks:

UGR(Unified Glare Rating) Table

| | | |
|---|---------------------|--|
| Test:U:221.70V I:0.3220A P:70.100W PF:0.9780 Freq:50.00Hz | | |
| Lamp Flux:10612.8x1 lm | | |
| Name: NS59-1500MM-70W | Type: LED | |
| MFR.: Lumega Group | DIM.: 1500*130*85mm | |
| | SUR.: 1480*110mm | |

| 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 | 23.9 | 25.4 | 24.3 | 25.7 | 26.0 | 22.3 | 23.8 | 22.6 | 24.1 | 24.4 |
| 3H | 26.0 | 27.4 | 26.3 | 27.7 | 28.0 | 23.6 | 25.0 | 24.0 | 25.3 | 25.6 |
| 4H | 26.8 | 28.2 | 27.2 | 28.5 | 28.8 | 24.1 | 25.5 | 24.5 | 25.8 | 26.1 |
| 6H | 27.6 | 28.8 | 28.0 | 29.2 | 29.5 | 24.5 | 25.8 | 24.9 | 26.1 | 26.5 |
| 8H | 27.9 | 29.1 | 28.3 | 29.4 | 29.8 | 24.7 | 25.9 | 25.1 | 26.3 | 26.6 |
| 12H | 28.1 | 29.2 | 28.5 | 29.6 | 30.0 | 24.8 | 26.0 | 25.2 | 26.3 | 26.7 |
| 4H 2H | 24.5 | 25.8 | 24.9 | 26.2 | 26.5 | 23.3 | 24.6 | 23.6 | 24.9 | 25.3 |
| 3H | 26.8 | 28.0 | 27.2 | 28.4 | 28.8 | 24.9 | 26.0 | 25.3 | 26.4 | 26.8 |
| 4H | 27.9 | 28.9 | 28.3 | 29.3 | 29.8 | 25.6 | 26.7 | 26.0 | 27.1 | 27.5 |
| 6H | 28.8 | 29.7 | 29.2 | 30.2 | 30.6 | 26.2 | 27.2 | 26.7 | 27.6 | 28.0 |
| 8H | 29.2 | 30.0 | 29.6 | 30.5 | 31.0 | 26.4 | 27.3 | 26.9 | 27.8 | 28.3 |
| 12H | 29.5 | 30.3 | 30.0 | 30.8 | 31.2 | 26.6 | 27.4 | 27.1 | 27.9 | 28.4 |
| 8H 4H | 28.2 | 29.1 | 28.7 | 29.5 | 30.0 | 26.3 | 27.2 | 26.8 | 27.7 | 28.1 |
| 6H | 29.4 | 30.1 | 29.9 | 30.6 | 31.1 | 27.3 | 28.0 | 27.8 | 28.5 | 29.0 |
| 8H | 29.9 | 30.6 | 30.4 | 31.1 | 31.6 | 27.7 | 28.3 | 28.2 | 28.8 | 29.4 |
| 12H | 30.4 | 30.9 | 30.9 | 31.5 | 32.0 | 28.1 | 28.6 | 28.6 | 29.1 | 29.7 |
| 12H 4H | 28.2 | 29.0 | 28.7 | 29.5 | 30.0 | 26.5 | 27.3 | 27.0 | 27.7 | 28.2 |
| 6H | 29.5 | 30.1 | 30.0 | 30.6 | 31.2 | 27.5 | 28.2 | 28.1 | 28.7 | 29.2 |
| 8H | 30.1 | 30.7 | 30.6 | 31.2 | 31.8 | 28.1 | 28.7 | 28.6 | 29.2 | 29.8 |
| Variations with the observer position at spacings(CIE Pub.117): | | | | | | | | | | |
| S = 1.0H | + 0.1 / - 0.1 | | | | | + 0.1 / - 0.2 | | | | |
| 1.5H | + 0.2 / - 0.3 | | | | | + 0.2 / - 0.3 | | | | |
| 2.0H | + 0.2 / - 0.4 | | | | | + 0.1 / - 0.4 | | | | |

CIE Pub.117, 10613 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 8.2)
 Area: 0.16 m2

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-04-27

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity:65.0%
Test Distance:8.000m [K=0.7063]
Remarks:

UTILIZATION FACTORS TABLE

| | | |
|---|---------------------|--|
| Test:U:221.70V I:0.3220A P:70.100W PF:0.9780 Freq:50.00Hz | | |
| Lamp Flux:10612.8x1 lm | | |
| Name: NS59-1500MM-70W | Type: LED | |
| MFR.: Lumega Group | DIM.: 1500*130*85mm | |
| | SUR.: 1480*110mm | |

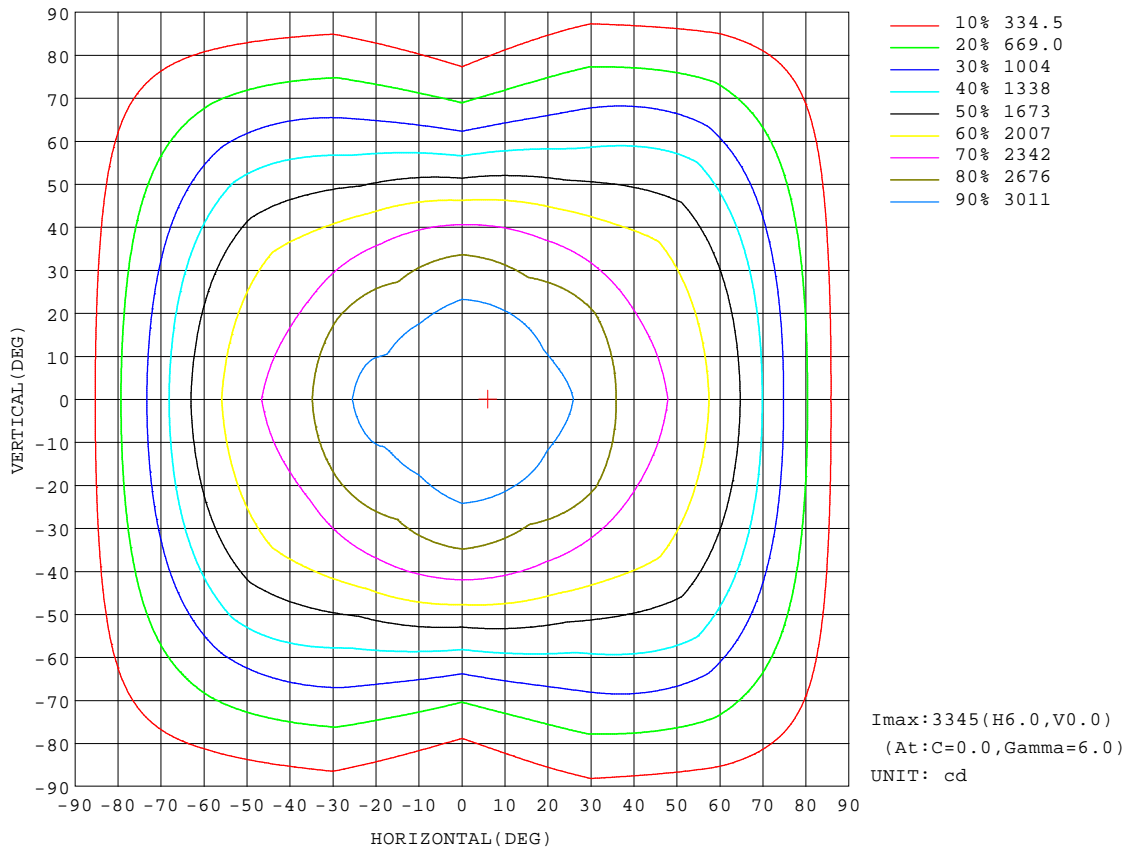
| REFLECTANCE | | | | | | | | | | |
|---|---|-----|------------------|-----|-----|-----|-----|----------------------|-----|---------------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 0.2 | 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 | 55 | 43 | 36 | 54 | 43 | 36 | 52 | 42 | 35 | 29 |
| 0.80 | 64 | 52 | 45 | 63 | 52 | 45 | 61 | 51 | 44 | 37 |
| 1.00 | 73 | 61 | 53 | 71 | 60 | 53 | 69 | 61 | 52 | 45 |
| 1.25 | 80 | 68 | 61 | 78 | 68 | 60 | 75 | 66 | 59 | 51 |
| 1.50 | 85 | 74 | 67 | 83 | 73 | 66 | 79 | 71 | 65 | 56 |
| 2.00 | 92 | 82 | 75 | 90 | 81 | 74 | 85 | 78 | 73 | 64 |
| 2.50 | 96 | 87 | 81 | 93 | 86 | 80 | 89 | 83 | 77 | 68 |
| 3.00 | 99 | 92 | 86 | 97 | 90 | 84 | 92 | 86 | 82 | 72 |
| 4.00 | 104 | 97 | 92 | 101 | 95 | 90 | 96 | 91 | 87 | 77 |
| 5.00 | 106 | 101 | 96 | 103 | 98 | 94 | 98 | 94 | 91 | 80 |
| ROOM INDEX | UF(total) | | | | | | | | | Direct |
| According to DIN EN 13032-2 2004 | | | Suspended | | | | | SHRNOM = 1.25 | | |

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-04-27

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity:65.0%
Test Distance:8.000m [K=0.7063]
Remarks:

ISOCANDELA DIAGRAM

| | | |
|---|---------------------|--|
| Test:U:221.70V I:0.3220A P:70.100W PF:0.9780 Freq:50.00Hz | | |
| Lamp Flux:10612.8x1 lm | | |
| Name: NS59-1500MM-70W | Type: LED | |
| MFR.: Lumega Group | DIM.: 1500*130*85mm | |
| | SUR.: 1480*110mm | |



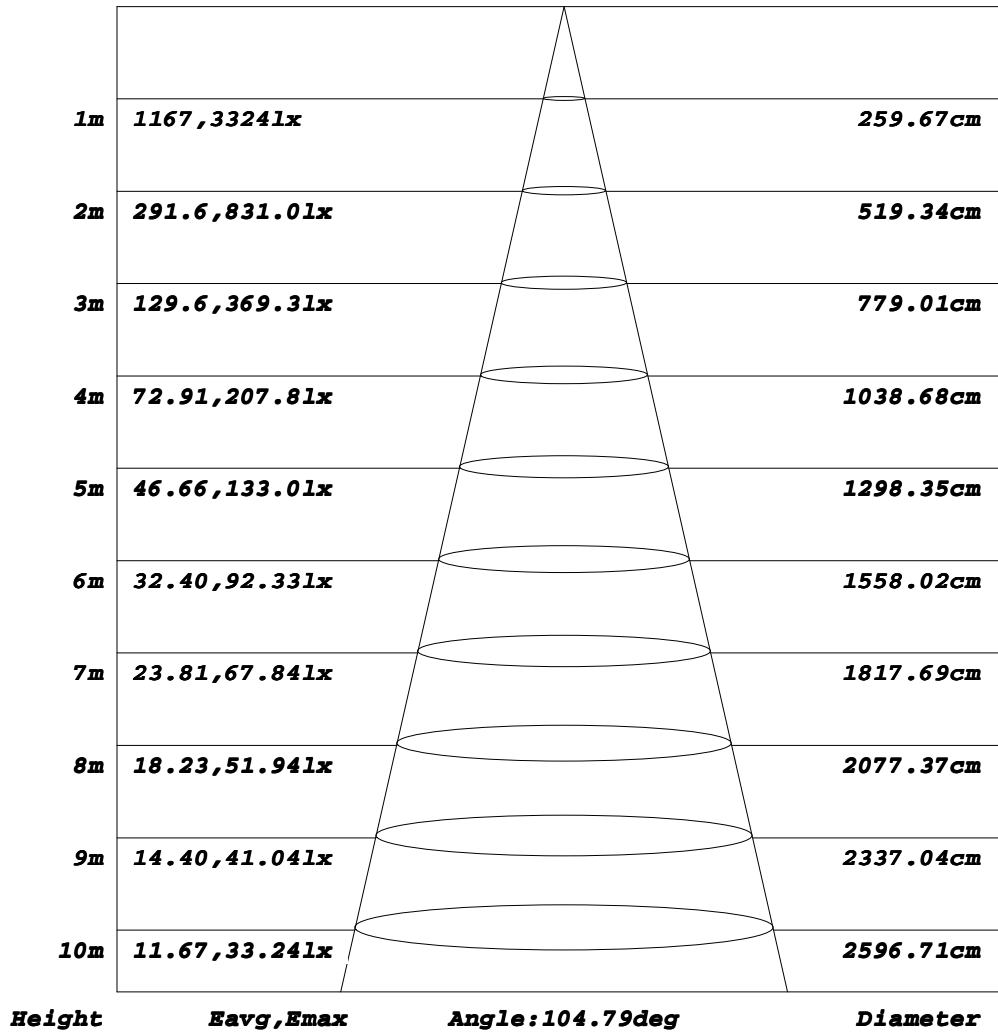
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2022-04-27

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity: 65.0%
Test Distance: 8.000m [K=0.7063]
Remarks:

AAI Figure

| | | |
|---|---------------------|--|
| Test:U:221.70V I:0.3220A P:70.100W PF:0.9780 Freq:50.00Hz | | |
| Lamp Flux:10612.8x1 lm | | |
| Name: NS59-1500MM-70W | Type: LED | |
| MFR.: Lumega Group | DIM.: 1500*130*85mm | |
| | SUR.: 1480*110mm | |

Flux out:6454 lm



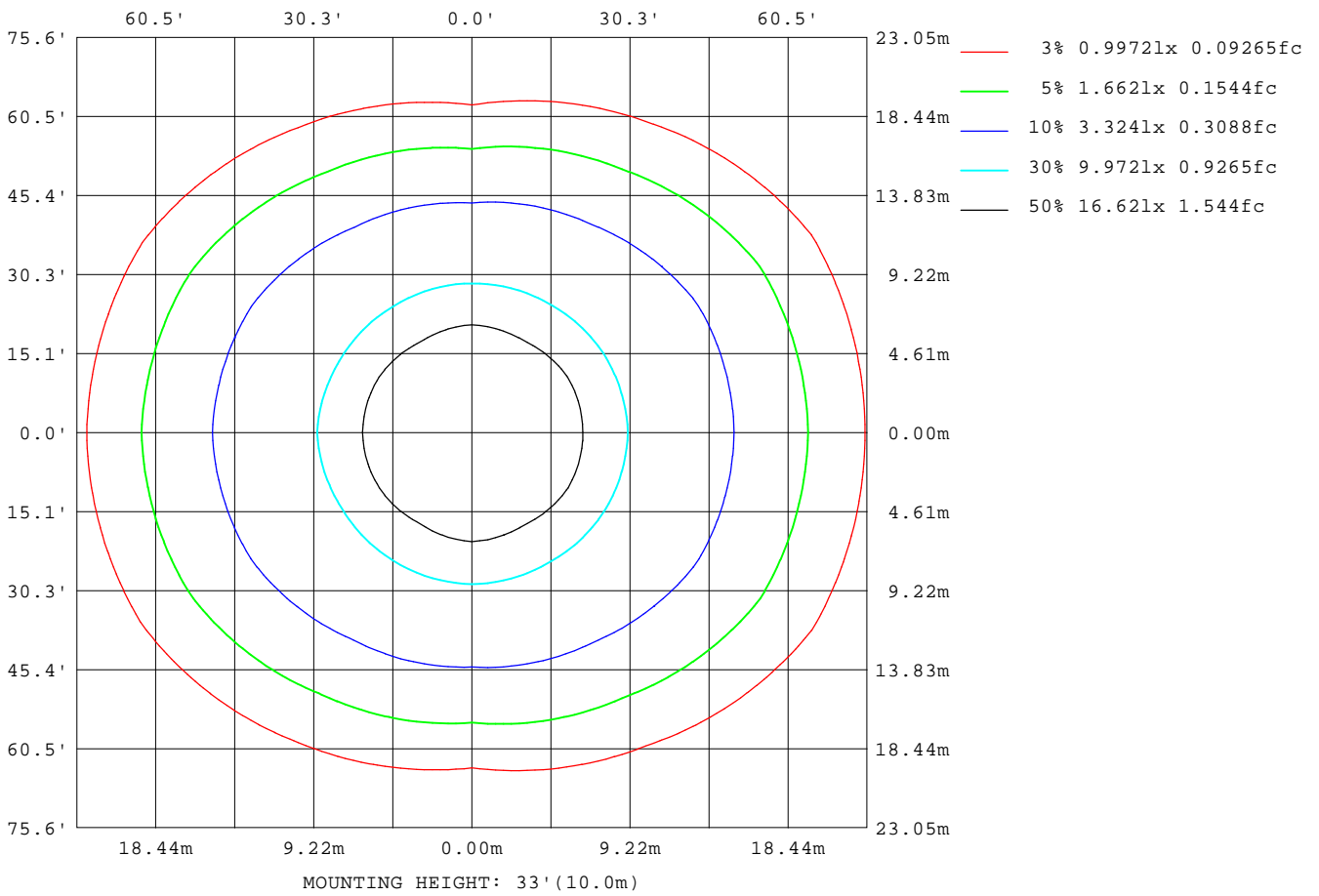
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2022-04-27

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity: 65.0%
Test Distance: 8.000m [K=0.7063]
Remarks:

ISOLUX DIAGRAM

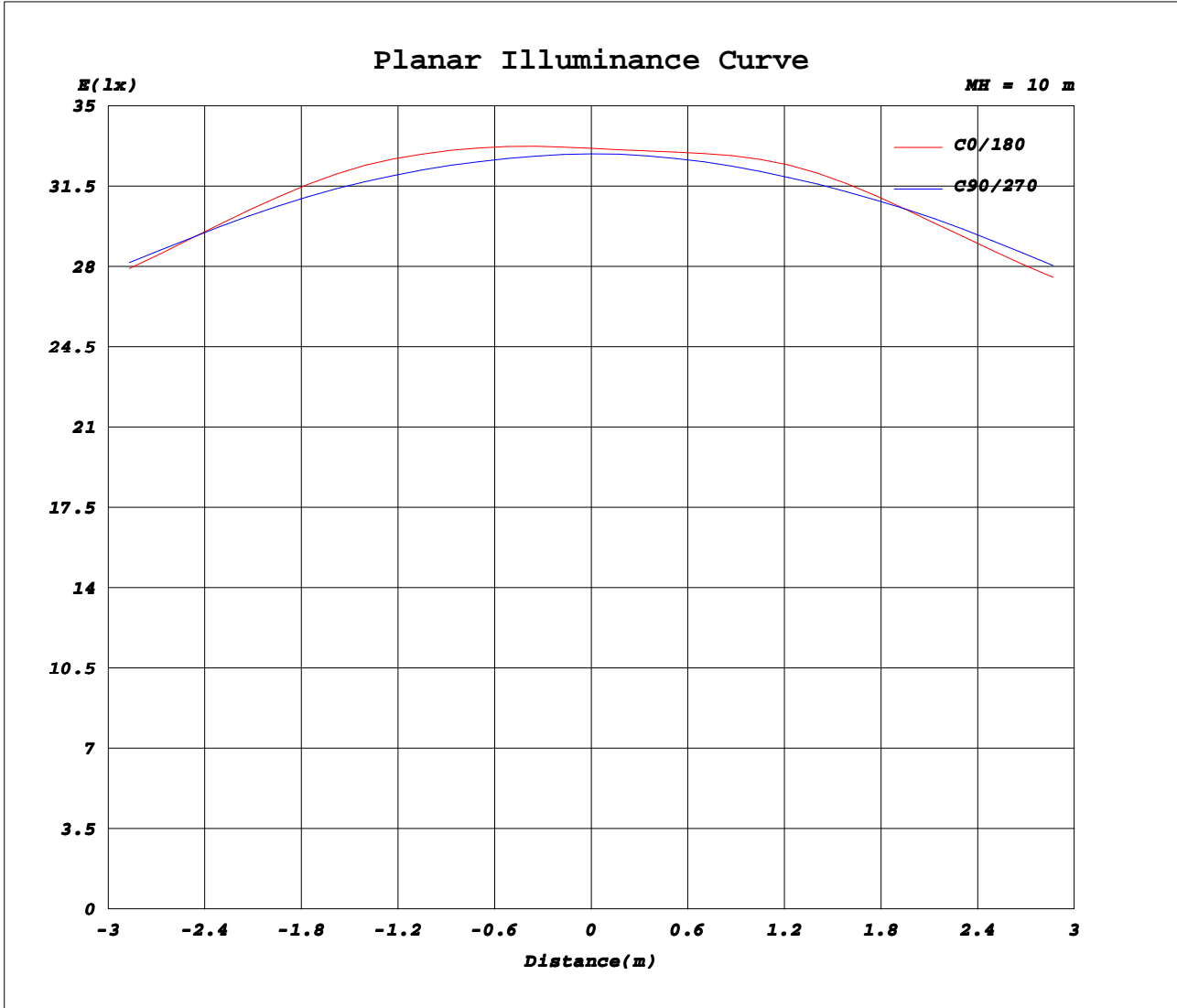
| | | |
|---|---------------------|--|
| Test:U:221.70V I:0.3220A P:70.100W PF:0.9780 Freq:50.00Hz | | |
| Lamp Flux:10612.8x1 lm | | |
| Name: NS59-1500MM-70W | Type: LED | |
| MFR.: Lumega Group | DIM.: 1500*130*85mm | |
| | SUR.: 1480*110mm | |



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2022-04-27

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity: 65.0%
Test Distance: 8.000m [K=0.7063]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2022-04-27

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity: 65.0%
Test Distance: 8.000m [K=0.7063]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|---|---------------------|--|
| Test:U:221.70V I:0.3220A P:70.100W PF:0.9780 Freq:50.00Hz | | |
| Lamp Flux:10612.8x1 lm | | |
| Name: NS59-1500MM-70W | Type: LED | |
| MFR.: Lumega Group | DIM.: 1500*130*85mm | |
| | SUR.: 1480*110mm | |

Table--1

UNIT: cd

| C(DEG) γ (DEG) | 0 | 30 | 60 | 90 | 120 | 150 | 180 | 210 | 240 | 270 | 300 | 330 | | | | | | | |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|--|--|--|--|--|
| 0 | 3315 | 3303 | 3296 | 3291 | 3288 | 3287 | 3315 | 3303 | 3296 | 3291 | 3288 | 3287 | | | | | | | |
| 5 | 3344 | 3329 | 3303 | 3278 | 3282 | 3292 | 3321 | 3305 | 3285 | 3275 | 3293 | 3312 | | | | | | | |
| 10 | 3305 | 3313 | 3294 | 3250 | 3262 | 3224 | 3256 | 3244 | 3257 | 3236 | 3276 | 3298 | | | | | | | |
| 15 | 3168 | 3202 | 3239 | 3185 | 3166 | 3092 | 3118 | 3105 | 3172 | 3173 | 3224 | 3188 | | | | | | | |
| 20 | 3073 | 3068 | 3124 | 3107 | 3017 | 3017 | 3081 | 3012 | 3012 | 3081 | 3102 | 3053 | | | | | | | |
| 25 | 3026 | 2980 | 2953 | 2991 | 2861 | 2968 | 3022 | 2967 | 2850 | 2963 | 2925 | 2964 | | | | | | | |
| 30 | 2917 | 2893 | 2764 | 2852 | 2715 | 2823 | 2867 | 2830 | 2696 | 2811 | 2741 | 2879 | | | | | | | |
| 35 | 2714 | 2746 | 2603 | 2670 | 2576 | 2631 | 2668 | 2633 | 2544 | 2615 | 2574 | 2729 | | | | | | | |
| 40 | 2511 | 2522 | 2419 | 2447 | 2396 | 2405 | 2479 | 2401 | 2346 | 2373 | 2388 | 2503 | | | | | | | |
| 45 | 2411 | 2303 | 2202 | 2175 | 2172 | 2240 | 2382 | 2228 | 2125 | 2081 | 2170 | 2289 | | | | | | | |
| 50 | 2283 | 2186 | 1973 | 1866 | 1918 | 2131 | 2246 | 2116 | 1872 | 1761 | 1932 | 2178 | | | | | | | |
| 55 | 2096 | 2050 | 1711 | 1539 | 1643 | 1954 | 2039 | 1944 | 1595 | 1437 | 1666 | 2043 | | | | | | | |
| 60 | 1921 | 1848 | 1452 | 1227 | 1401 | 1729 | 1842 | 1717 | 1353 | 1131 | 1418 | 1842 | | | | | | | |
| 65 | 1655 | 1635 | 1229 | 940 | 1191 | 1493 | 1548 | 1476 | 1139 | 859 | 1204 | 1630 | | | | | | | |
| 70 | 1326 | 1382 | 1027 | 690 | 999 | 1210 | 1209 | 1192 | 937 | 619 | 1010 | 1378 | | | | | | | |
| 75 | 988 | 1081 | 840 | 473 | 793 | 899 | 906 | 886 | 737 | 415 | 823 | 1069 | | | | | | | |
| 80 | 688 | 776 | 647 | 296 | 591 | 634 | 634 | 615 | 537 | 248 | 625 | 759 | | | | | | | |
| 85 | 379 | 484 | 463 | 155 | 406 | 366 | 348 | 351 | 353 | 128 | 433 | 471 | | | | | | | |
| 90 | 175 | 236 | 282 | 76.7 | 237 | 177 | 168 | 174 | 201 | 75.1 | 253 | 232 | | | | | | | |
| 95 | 113 | 130 | 145 | 55.1 | 124 | 112 | 114 | 116 | 114 | 61.3 | 136 | 131 | | | | | | | |
| 100 | 98.0 | 102 | 88.9 | 48.1 | 80.5 | 95.1 | 101 | 100 | 80.2 | 55.2 | 89.0 | 105 | | | | | | | |
| 105 | 95.0 | 90.0 | 66.0 | 44.3 | 61.9 | 87.7 | 100 | 93.3 | 64.4 | 50.6 | 70.0 | 93.2 | | | | | | | |
| 110 | 89.6 | 85.1 | 53.2 | 41.3 | 51.5 | 82.0 | 94.5 | 87.6 | 55.0 | 47.6 | 59.1 | 89.9 | | | | | | | |
| 115 | 79.0 | 75.4 | 45.4 | 39.9 | 44.9 | 72.9 | 84.6 | 77.5 | 49.2 | 45.9 | 51.7 | 79.6 | | | | | | | |
| 120 | 72.3 | 66.5 | 41.0 | 39.7 | 42.0 | 64.5 | 77.2 | 68.9 | 47.0 | 45.5 | 47.0 | 70.7 | | | | | | | |
| 125 | 65.7 | 58.9 | 41.1 | 40.5 | 42.7 | 57.5 | 70.1 | 62.0 | 47.7 | 46.1 | 46.5 | 63.9 | | | | | | | |
| 130 | 59.6 | 52.8 | 42.6 | 42.0 | 44.3 | 52.3 | 63.9 | 56.8 | 49.2 | 47.4 | 47.8 | 57.4 | | | | | | | |
| 135 | 54.4 | 48.9 | 44.7 | 44.3 | 46.5 | 50.4 | 59.0 | 54.9 | 51.3 | 49.6 | 49.8 | 53.7 | | | | | | | |
| 140 | 52.0 | 50.4 | 47.5 | 47.3 | 49.2 | 52.3 | 56.6 | 56.5 | 53.8 | 52.4 | 52.3 | 54.5 | | | | | | | |
| 145 | 54.0 | 53.1 | 50.5 | 50.7 | 52.1 | 54.6 | 58.0 | 58.4 | 56.4 | 55.3 | 54.9 | 56.6 | | | | | | | |
| 150 | 56.3 | 55.8 | 53.7 | 54.0 | 55.2 | 57.0 | 59.7 | 60.2 | 58.9 | 58.1 | 57.5 | 58.9 | | | | | | | |
| 155 | 58.9 | 58.5 | 56.9 | 57.3 | 58.2 | 59.3 | 61.4 | 61.7 | 61.2 | 60.8 | 60.0 | 60.9 | | | | | | | |
| 160 | 61.5 | 61.2 | 59.9 | 60.4 | 61.0 | 61.4 | 63.1 | 63.2 | 63.4 | 63.2 | 62.3 | 63.0 | | | | | | | |
| 165 | 64.0 | 63.5 | 62.8 | 63.3 | 63.6 | 63.5 | 65.0 | 64.5 | 65.3 | 65.2 | 64.3 | 64.6 | | | | | | | |
| 170 | 66.7 | 65.4 | 65.3 | 65.7 | 66.0 | 65.4 | 66.9 | 65.7 | 66.8 | 66.7 | 66.0 | 66.0 | | | | | | | |
| 175 | 68.9 | 67.0 | 67.3 | 67.6 | 67.7 | 67.2 | 68.3 | 66.7 | 67.8 | 67.6 | 67.2 | 66.9 | | | | | | | |
| 180 | 69.4 | 67.4 | 67.9 | 68.0 | 67.8 | 67.3 | 69.5 | 67.2 | 68.0 | 68.0 | 67.9 | 67.3 | | | | | | | |

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-04-27

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity:65.0%
Test Distance:8.000m [K=0.7063]
Remarks: