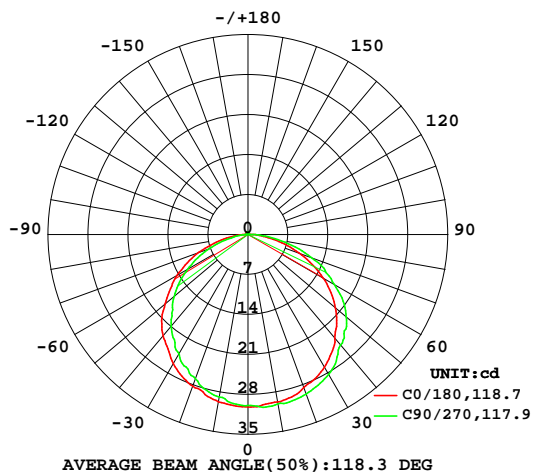


LUMINAIRE PHOTOMETRIC TEST REPORT

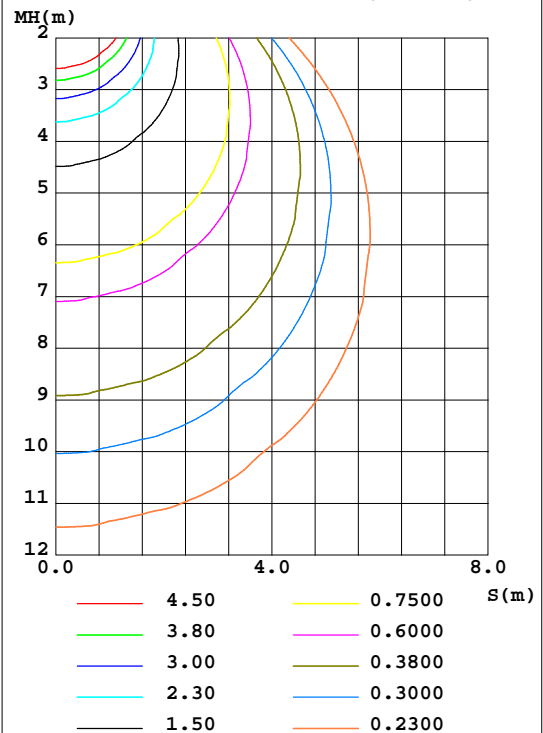
| | | |
|---------------------------------------------------------------------------|--------------|-------------------|
| Test:U:24.00V I:0.2460A P:5.900W PF:1.000 Freq:0Hz Lamp Flux:94.5677x1 lm | | |
| NAME: DM5602410NO | TYPE: | WEIGHT:1000*10*12 |
| SPEC.:DM5602410NO-0RGBWNSI0200XC0100-R | DIM.: | SERIAL No.: |
| MFR.: Colors | SUR.:1000*10 | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 16.03 lm/W | | | |
|------------------|-------------|----------------------------------|--------|-------------------|----------|
| MODEL | DM5602410NO | I _{max} (cd) | 30.37 | S/MH(C0/180) | 1.28 |
| NOMINAL POWER(W) | 5.9 | LOR(%) | 100.0 | S/MH(C90/270) | 1.22 |
| RATED VOLTAGE(V) | 24 | TOTAL FLUX(lm) | 94.568 | h UP,DN(C0-180) | 1.0,52.8 |
| NOMINAL FLUX(lm) | 94.5677 | CIE CLASS | DIRECT | h UP,DN(C180-360) | 1.0,45.2 |
| LAMPS INSIDE | 1 | h up(%) | 2.0 | CIBSE SHR NOM | 1.50 |
| TEST VOLTAGE(V) | 24 | h down(%) | 98.0 | CIBSE SHR MAX | 1.50 |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:COLORS
 Test Date:2019-05-22

Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:10.750m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

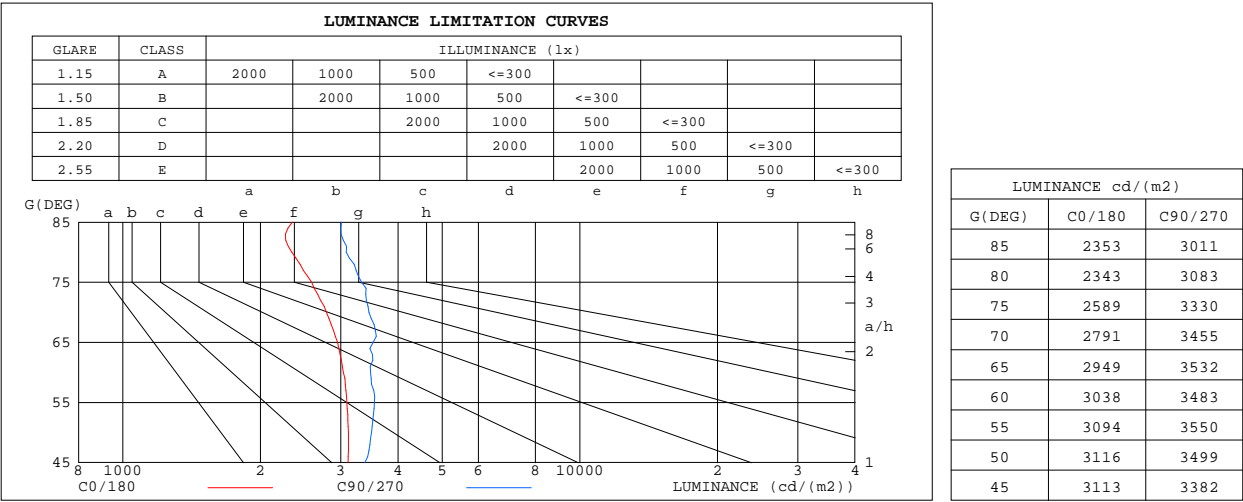
| g | C0 | C90 | C180 | C270 | | | | | g | F zone | F total | %lum,lamp |
|-----|-----------------------|--------|--------|--------|--|--|--|--|---------|---------|---------|-----------|
| 10 | 29.79 | 30.09 | 29.75 | 28.92 | | | | | 0~ 10 | 2.851 | 2.851 | 3.01,3.01 |
| 20 | 28.51 | 29.76 | 28.28 | 26.90 | | | | | 10~ 20 | 8.238 | 11.09 | 11.7,11.7 |
| 30 | 26.80 | 28.26 | 26.13 | 24.17 | | | | | 20~ 30 | 12.69 | 23.78 | 25.1,25.1 |
| 40 | 23.69 | 25.24 | 23.17 | 20.91 | | | | | 30~ 40 | 15.58 | 39.36 | 41.6,41.6 |
| 50 | 20.03 | 22.49 | 18.97 | 16.88 | | | | | 40~ 50 | 16.63 | 55.98 | 59.2,59.2 |
| 60 | 15.19 | 17.42 | 14.36 | 12.25 | | | | | 50~ 60 | 15.47 | 71.46 | 75.6,75.6 |
| 70 | 9.547 | 11.82 | 9.120 | 7.139 | | | | | 60~ 70 | 12.05 | 83.51 | 88.3,88.3 |
| 80 | 4.069 | 5.353 | 3.828 | 2.468 | | | | | 70~ 80 | 6.934 | 90.44 | 95.6,95.6 |
| 90 | 0.8272 | 0.7398 | 0.6044 | 0.3483 | | | | | 80~ 90 | 2.189 | 92.63 | 98,98 |
| 100 | 0.1996 | 0.1288 | 0.1288 | 0.1481 | | | | | 90~100 | 0.2806 | 92.91 | 98.2,98.2 |
| 110 | 0.1931 | 0.1803 | 0.2384 | 0.2060 | | | | | 100~110 | 0.1829 | 93.10 | 98.4,98.4 |
| 120 | 0.3025 | 0.2575 | 0.3541 | 0.2961 | | | | | 110~120 | 0.2510 | 93.35 | 98.7,98.7 |
| 130 | 0.3154 | 0.3283 | 0.4379 | 0.3348 | | | | | 120~130 | 0.2904 | 93.64 | 99,99 |
| 140 | 0.3798 | 0.3799 | 0.4893 | 0.3927 | | | | | 130~140 | 0.2994 | 93.94 | 99.3,99.3 |
| 150 | 0.3927 | 0.4378 | 0.4957 | 0.3927 | | | | | 140~150 | 0.2646 | 94.20 | 99.6,99.6 |
| 160 | 0.3927 | 0.4635 | 0.4828 | 0.4056 | | | | | 150~160 | 0.1990 | 94.40 | 99.8,99.8 |
| 170 | 0.3927 | 0.4893 | 0.4571 | 0.4635 | | | | | 160~170 | 0.1247 | 94.52 | 100,100 |
| 180 | 0.4185 | 0.4893 | 0.4571 | 0.4893 | | | | | 170~180 | 0.0434 | 94.57 | 100,100 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:COLORS
Test Date:2019-05-22

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.750m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

| | | |
|---------------------------------------------------------------------------|--------------|-------------------|
| Test:U:24.00V I:0.2460A P:5.900W PF:1.000 Freq:0Hz Lamp Flux:94.5677x1 lm | | |
| NAME: DM5602410NO | TYPE: | WEIGHT:1000*10*12 |
| SPEC.:DM5602410NO-0RGBWNSI0200XC0100-R | DIM.: | SERIAL No.: |
| MFR.: Colors | SUR.:1000*10 | Shielding Angle: |



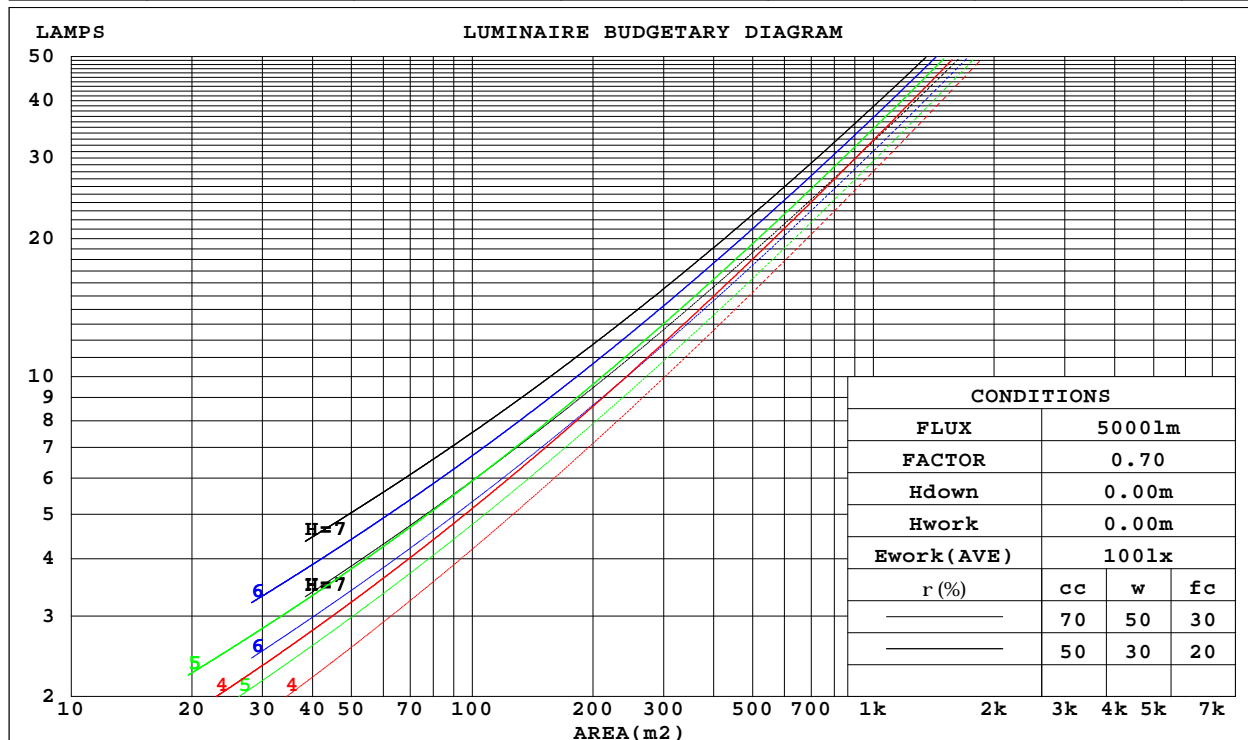
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:COLORS
Test Date:2019-05-22

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.750m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|---------------------------------------------------------------------------|--------------|-------------------|
| Test:U:24.00V I:0.2460A P:5.900W PF:1.000 Freq:0Hz Lamp Flux:94.5677x1 lm | | |
| NAME: DM5602410NO | TYPE: | WEIGHT:1000*10*12 |
| SPEC.:DM5602410NO-0RGBWNSI0200XC0100-R | DIM.: | SERIAL No.: |
| MFR.: Colors | SUR.:1000*10 | Shielding Angle: |

| r _{cc} | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 | |
|-----------------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|------|------|------|-----|--|
| r _w | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 | |
| r _{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 | 1.00 | 1.00 | 1.00 | .98 | |
| 1.0 | 1.03 | .98 | .94 | 1.00 | .96 | .93 | .96 | .92 | .89 | .91 | .89 | .86 | .88 | .85 | .83 | .81 | |
| 2.0 | .89 | .82 | .76 | .87 | .81 | .75 | .83 | .78 | .73 | .80 | .75 | .71 | .76 | .73 | .69 | .67 | |
| 3.0 | .78 | .70 | .63 | .76 | .69 | .62 | .73 | .66 | .61 | .70 | .64 | .60 | .67 | .62 | .58 | .56 | |
| 4.0 | .69 | .60 | .53 | .67 | .59 | .53 | .65 | .57 | .52 | .62 | .56 | .51 | .60 | .54 | .50 | .47 | |
| 5.0 | .61 | .52 | .45 | .60 | .52 | .45 | .58 | .50 | .44 | .56 | .49 | .44 | .53 | .48 | .43 | .41 | |
| 6.0 | .55 | .46 | .39 | .54 | .45 | .39 | .52 | .44 | .39 | .50 | .43 | .38 | .48 | .42 | .38 | .36 | |
| 7.0 | .50 | .41 | .35 | .49 | .41 | .35 | .47 | .40 | .34 | .46 | .39 | .34 | .44 | .38 | .33 | .31 | |
| 8.0 | .45 | .37 | .31 | .45 | .36 | .31 | .43 | .36 | .30 | .42 | .35 | .30 | .40 | .34 | .30 | .28 | |
| 9.0 | .42 | .33 | .28 | .41 | .33 | .28 | .40 | .32 | .27 | .38 | .32 | .27 | .37 | .31 | .27 | .25 | |
| 10.0 | .38 | .30 | .25 | .38 | .30 | .25 | .37 | .30 | .25 | .36 | .29 | .24 | .35 | .29 | .24 | .22 | |



C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:COLORS
Test Date:2019-05-22

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.750m [K=1.0000]
Remarks:

WEC AND CCEC

| | | |
|---------------------------------------------------------------------------|--------------|-------------------|
| Test:U:24.00V I:0.2460A P:5.900W PF:1.000 Freq:0Hz Lamp Flux:94.5677x1 lm | | |
| NAME: DM5602410NO | TYPE: | WEIGHT:1000*10*12 |
| SPEC.:DM5602410NO-0RGBWNSI0200XC0100-R | DIM.: | SERIAL No.: |
| MFR.: Colors | SUR.:1000*10 | Shielding Angle: |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------|-----------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| rcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 | | | | | | | | | | | | | | |
| rw | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 | | | | | | | | | | | | | | |
| rfc | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 | | | | | | | | | | | | | | |
| RCR | RCR:Room Cavity Ratio | | | | | | | | | | | | | | | Wall Exitance Coefficients(WEC) | | | | | | | | | | | | | | |
| 0.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.0 | .319 | .181 | .057 | .311 | .178 | .056 | .297 | .170 | .054 | .284 | .164 | .052 | .271 | .157 | .051 | | | | | | | | | | | | | | | |
| 2.0 | .298 | .163 | .050 | .291 | .161 | .049 | .279 | .155 | .048 | .267 | .150 | .047 | .256 | .145 | .046 | | | | | | | | | | | | | | | |
| 3.0 | .275 | .146 | .044 | .269 | .144 | .043 | .258 | .140 | .042 | .247 | .135 | .042 | .237 | .131 | .041 | | | | | | | | | | | | | | | |
| 4.0 | .253 | .132 | .039 | .248 | .130 | .038 | .238 | .126 | .038 | .228 | .123 | .037 | .219 | .119 | .036 | | | | | | | | | | | | | | | |
| 5.0 | .234 | .119 | .034 | .229 | .117 | .034 | .220 | .114 | .034 | .211 | .111 | .033 | .203 | .109 | .033 | | | | | | | | | | | | | | | |
| 6.0 | .216 | .108 | .031 | .212 | .107 | .031 | .204 | .104 | .030 | .196 | .102 | .030 | .189 | .100 | .030 | | | | | | | | | | | | | | | |
| 7.0 | .201 | .099 | .028 | .197 | .098 | .028 | .190 | .096 | .028 | .183 | .094 | .027 | .177 | .092 | .027 | | | | | | | | | | | | | | | |
| 8.0 | .188 | .092 | .026 | .184 | .091 | .026 | .178 | .089 | .025 | .171 | .087 | .025 | .166 | .085 | .025 | | | | | | | | | | | | | | | |
| 9.0 | .176 | .085 | .024 | .172 | .084 | .024 | .167 | .082 | .023 | .161 | .081 | .023 | .156 | .079 | .023 | | | | | | | | | | | | | | | |
| 10.0 | .165 | .079 | .022 | .162 | .078 | .022 | .157 | .077 | .022 | .152 | .075 | .021 | .147 | .074 | .021 | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | |
|------|-----------------------|------|------|--------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|---|
| rcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
| rw | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| rfc | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | Ceiling Cavity Exitance Coefficients(CCEC) | | | | | | | | | | | | |
| 0.0 | .206 | .206 | .206 | .176 | .176 | .176 | .120 | .120 | .120 | .069 | .069 | .069 | .022 | .022 | .022 | |
| 1.0 | .197 | .172 | .149 | .168 | .147 | .129 | .115 | .101 | .089 | .066 | .059 | .052 | .021 | .019 | .017 | |
| 2.0 | .189 | .148 | .113 | .162 | .127 | .098 | .111 | .088 | .068 | .064 | .051 | .040 | .021 | .017 | .013 | |
| 3.0 | .181 | .130 | .090 | .155 | .112 | .078 | .107 | .078 | .054 | .062 | .046 | .032 | .020 | .015 | .011 | |
| 4.0 | .174 | .117 | .074 | .149 | .101 | .064 | .103 | .070 | .045 | .059 | .041 | .027 | .019 | .013 | .009 | |
| 5.0 | .166 | .107 | .063 | .143 | .092 | .055 | .098 | .065 | .039 | .057 | .038 | .023 | .018 | .012 | .008 | |
| 6.0 | .159 | .098 | .055 | .137 | .085 | .048 | .094 | .060 | .034 | .055 | .035 | .020 | .018 | .011 | .007 | |
| 7.0 | .152 | .092 | .049 | .131 | .079 | .043 | .091 | .056 | .030 | .053 | .033 | .018 | .017 | .011 | .006 | |
| 8.0 | .146 | .086 | .045 | .126 | .074 | .039 | .087 | .052 | .028 | .051 | .031 | .016 | .016 | .010 | .005 | |
| 9.0 | .140 | .081 | .041 | .120 | .070 | .036 | .083 | .049 | .026 | .049 | .029 | .015 | .016 | .010 | .005 | |
| 10.0 | .134 | .077 | .038 | .116 | .067 | .034 | .080 | .047 | .024 | .047 | .028 | .014 | .015 | .009 | .005 | |

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:COLORS
Test Date:2019-05-22

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.750m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

| | | | | | | | | | | | |
|---------------------------------------------------------------------------|---------------|------------------|------|------|--------------|---------------|----------------|-------------------|------|------|------|
| Test:U:24.00V I:0.2460A P:5.900W PF:1.000 Freq:0Hz Lamp Flux:94.5677x1 lm | | | | | | | | | | | |
| NAME: DM5602410NO | | | | | TYPE: | | | WEIGHT:1000*10*12 | | | |
| SPEC.:DM5602410NO-0RGBWNSI0200XC0100-R | | | | | DIM.: | | | SERIAL No.: | | | |
| MFR.: Colors | | | | | SUR.:1000*10 | | | 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 | 25.2 | 26.8 | 25.5 | 27.0 | 27.3 | 25.8 | 27.3 | 26.1 | 27.5 | 27.8 | |
| | 3H | 26.8 | 28.2 | 27.1 | 28.5 | 28.8 | 27.6 | 29.0 | 27.9 | 29.3 | 29.5 |
| | 4H | 27.4 | 28.8 | 27.8 | 29.1 | 29.4 | 28.3 | 29.7 | 28.7 | 30.0 | 30.3 |
| | 6H | 27.9 | 29.1 | 28.2 | 29.4 | 29.8 | 28.9 | 30.1 | 29.2 | 30.4 | 30.8 |
| | 8H | 28.0 | 29.2 | 28.4 | 29.5 | 29.9 | 29.1 | 30.3 | 29.4 | 30.6 | 30.9 |
| | 12H | 28.1 | 29.3 | 28.5 | 29.6 | 30.0 | 29.2 | 30.4 | 29.6 | 30.7 | 31.1 |
| 4H | 2H | 26.0 | 27.3 | 26.3 | 27.6 | 27.9 | 26.4 | 27.7 | 26.7 | 28.0 | 28.3 |
| | 3H | 27.7 | 28.9 | 28.1 | 29.2 | 29.6 | 28.4 | 29.5 | 28.7 | 29.9 | 30.2 |
| | 4H | 28.5 | 29.5 | 28.9 | 29.9 | 30.3 | 29.2 | 30.3 | 29.6 | 30.7 | 31.0 |
| | 6H | 29.0 | 30.0 | 29.5 | 30.4 | 30.8 | 29.9 | 30.9 | 30.3 | 31.3 | 31.7 |
| | 8H | 29.2 | 30.1 | 29.7 | 30.5 | 30.9 | 30.2 | 31.1 | 30.6 | 31.5 | 31.9 |
| | 12H | 29.4 | 30.2 | 29.8 | 30.6 | 31.1 | 30.4 | 31.2 | 30.8 | 31.6 | 32.1 |
| 8H | 4H | 28.8 | 29.7 | 29.3 | 30.1 | 30.5 | 29.5 | 30.4 | 29.9 | 30.8 | 31.2 |
| | 6H | 29.5 | 30.3 | 30.0 | 30.7 | 31.2 | 30.3 | 31.1 | 30.8 | 31.5 | 32.0 |
| | 8H | 29.8 | 30.5 | 30.3 | 30.9 | 31.4 | 30.7 | 31.3 | 31.2 | 31.8 | 32.3 |
| | 12H | 30.1 | 30.6 | 30.6 | 31.1 | 31.6 | 31.0 | 31.5 | 31.5 | 32.0 | 32.5 |
| 12H | 4H | 28.8 | 29.6 | 29.3 | 30.1 | 30.5 | 29.5 | 30.3 | 29.9 | 30.7 | 31.2 |
| | 6H | 29.6 | 30.3 | 30.1 | 30.7 | 31.2 | 30.4 | 31.0 | 30.9 | 31.5 | 32.0 |
| | 8H | 30.0 | 30.5 | 30.5 | 31.0 | 31.5 | 30.8 | 31.3 | 31.3 | 31.8 | 32.3 |
| Variations with the observer position at spacings: | | | | | | | | | | | |
| S = 1.0H | + 0.1 / - 0.2 | | | | | + 0.1 / - 0.1 | | | | | |
| 1.5H | + 0.2 / - 0.4 | | | | | + 0.2 / - 0.3 | | | | | |
| 2.0H | + 0.2 / - 0.4 | | | | | + 0.2 / - 0.3 | | | | | |

CIE Pub.117, 94.57 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -8.2)

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:COLORS
Test Date:2019-05-22

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.750m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

| | | |
|---------------------------------------------------------------------------|--------------|-------------------|
| Test:U:24.00V I:0.2460A P:5.900W PF:1.000 Freq:0Hz Lamp Flux:94.5677x1 lm | | |
| NAME: DM5602410NO | TYPE: | WEIGHT:1000*10*12 |
| SPEC.:DM5602410NO-0RGBWNSI0200XC0100-R | DIM.: | SERIAL No.: |
| MFR.: Colors | SUR.:1000*10 | Shielding Angle: |

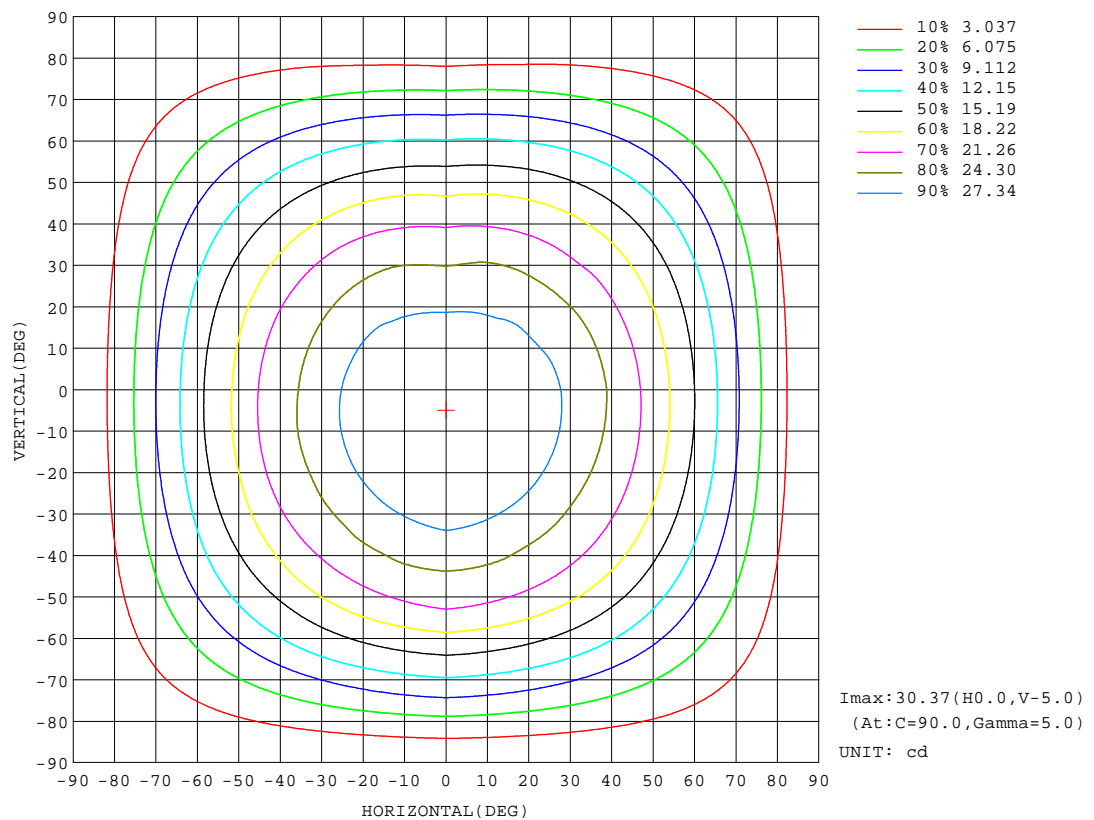
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|-----------------------------------------------------|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 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 | 56 | 44 | 37 | 55 | 44 | 37 | 54 | 43 | 36 | 30 |
| 0.80 | 66 | 54 | 46 | 65 | 53 | 46 | 63 | 52 | 46 | 38 |
| 1.00 | 74 | 63 | 55 | 73 | 62 | 55 | 70 | 63 | 54 | 47 |
| 1.25 | 81 | 71 | 63 | 80 | 70 | 63 | 77 | 68 | 62 | 54 |
| 1.50 | 86 | 76 | 69 | 85 | 75 | 68 | 81 | 73 | 67 | 59 |
| 2.00 | 94 | 85 | 78 | 91 | 83 | 77 | 88 | 81 | 75 | 67 |
| 2.50 | 98 | 89 | 83 | 95 | 88 | 82 | 91 | 85 | 80 | 71 |
| 3.00 | 101 | 94 | 88 | 99 | 92 | 87 | 94 | 89 | 84 | 75 |
| 4.00 | 105 | 99 | 94 | 103 | 97 | 93 | 98 | 94 | 90 | 80 |
| 5.00 | 108 | 103 | 98 | 105 | 100 | 97 | 100 | 96 | 93 | 83 |
| ROOM INDEX | UF(total) | | | | | | | | | Direct |
| According to DIN EN 13032-2 2004 | | | Suspended | | | | | SHRNOM = 1.25 | | |

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:COLORS
Test Date:2019-05-22

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.750m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

| | | |
|---------------------------------------------------------------------------|--------------|-------------------|
| Test:U:24.00V I:0.2460A P:5.900W PF:1.000 Freq:0Hz Lamp Flux:94.5677x1 lm | | |
| NAME: DM5602410NO | TYPE: | WEIGHT:1000*10*12 |
| SPEC.:DM5602410NO-0RGBWNSI0200XC0100-R | DIM.: | SERIAL No.: |
| MFR.: Colors | SUR.:1000*10 | Shielding Angle: |



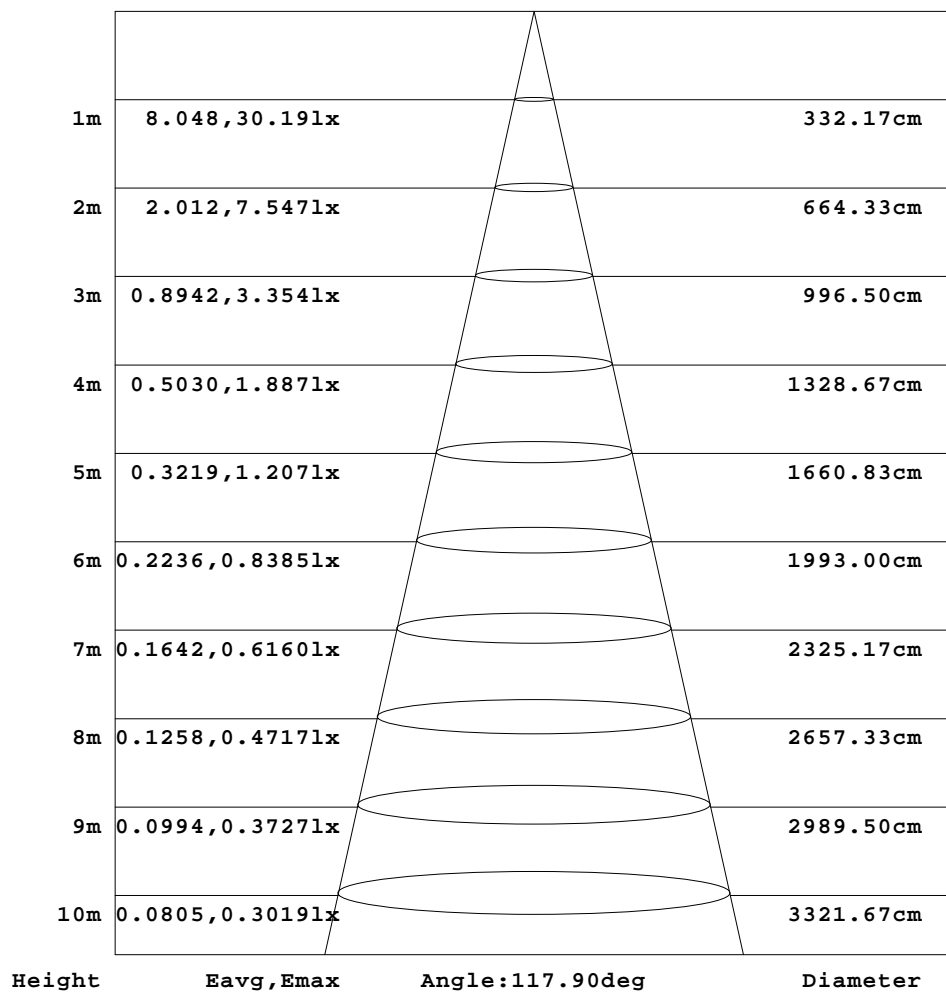
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:COLORS
Test Date:2019-05-22

Range: 0 - 180DEG
Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.750m [K=1.0000]
Remarks:

AAI Figure

| | | |
|---------------------------------------------------------------------------|--------------|-------------------|
| Test:U:24.00V I:0.2460A P:5.900W PF:1.000 Freq:0Hz Lamp Flux:94.5677x1 lm | | |
| NAME: DM5602410NO | TYPE: | WEIGHT:1000*10*12 |
| SPEC.:DM5602410NO-0RGBWNSI0200XC0100-R | DIM.: | SERIAL No.: |
| MFR.: Colors | SUR.:1000*10 | Shielding Angle: |

Flux out:70.03 lm



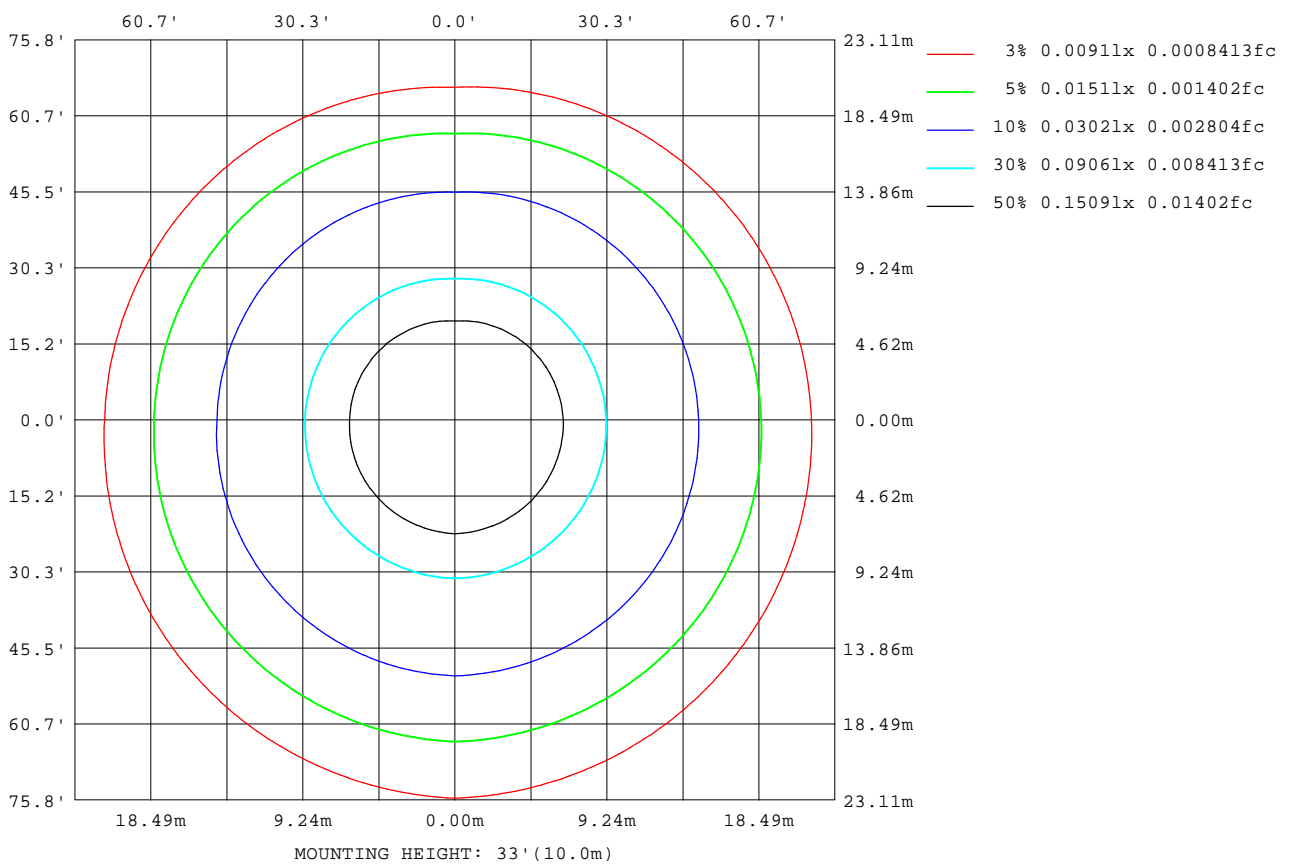
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:COLORS
Test Date:2019-05-22

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.750m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

| | | |
|---------------------------------------------------------------------------|--------------|-------------------|
| Test:U:24.00V I:0.2460A P:5.900W PF:1.000 Freq:0Hz Lamp Flux:94.5677x1 lm | | |
| NAME: DM5602410NO | TYPE: | WEIGHT:1000*10*12 |
| SPEC.:DM5602410NO-0RGBWNSI0200XC0100-R | DIM.: | SERIAL No.: |
| MFR.: Colors | SUR.:1000*10 | Shielding Angle: |



C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:COLORS
Test Date:2019-05-22

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.750m [K=1.0000]
Remarks:

LED Avg.L Report

| | | |
|---------------------------------------------------------------------------|--------------|-------------------|
| Test:U:24.00V I:0.2460A P:5.900W PF:1.000 Freq:0Hz Lamp Flux:94.5677x1 lm | | |
| NAME: DM5602410NO | TYPE: | WEIGHT:1000*10*12 |
| SPEC.:DM5602410NO-0RGBWNSI0200XC0100-R | DIM.: | SERIAL No.: |
| MFR.: Colors | SUR.:1000*10 | Shielding Angle: |

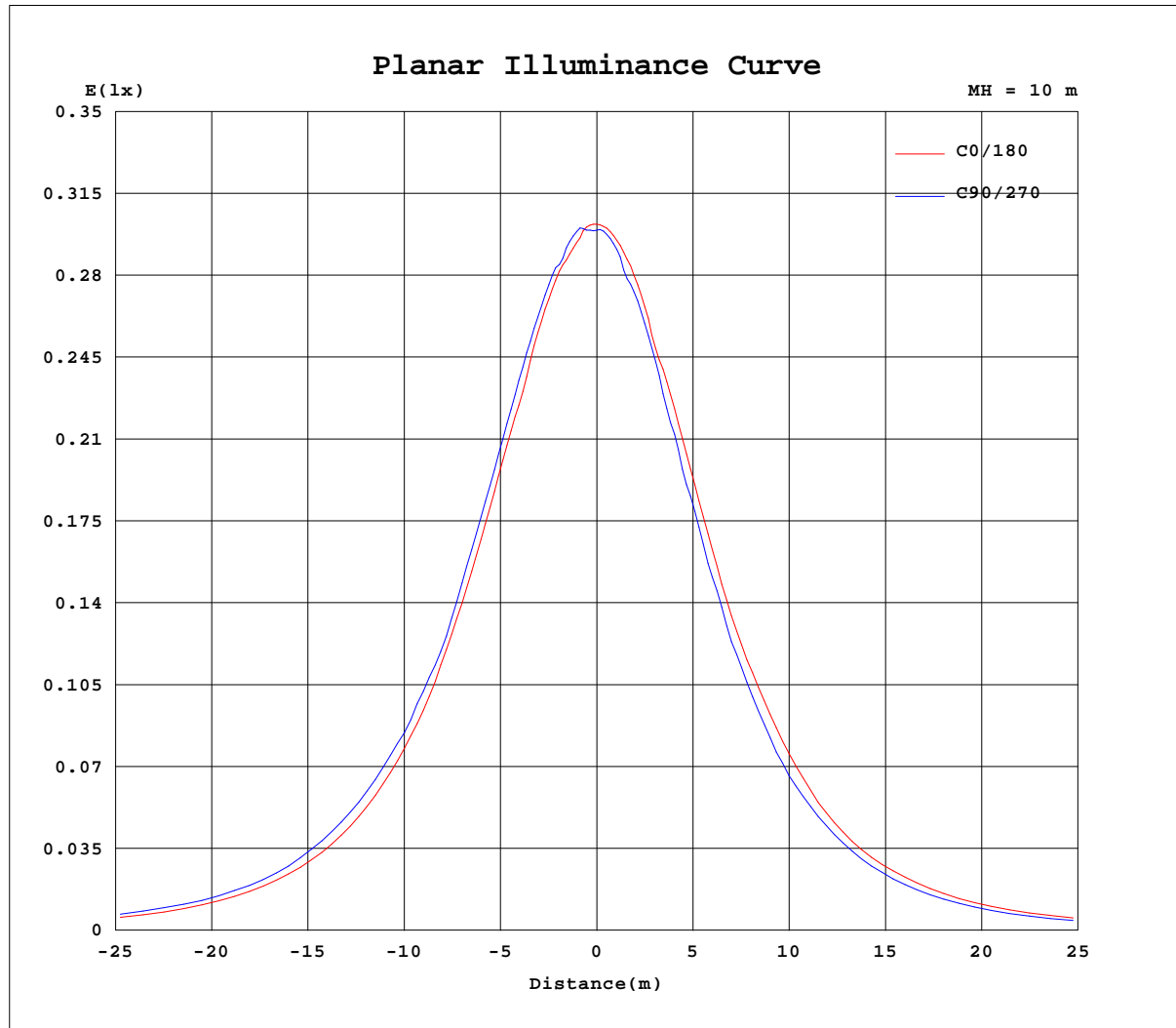
| AvgL | cd/m2 |
|----------------|-------|
| L_0~180(65)av | 2861 |
| L_0~180(75)av | 2498 |
| L_0~180(85)av | 2168 |
| L_90~270(65)av | 2914 |
| L_90~270(75)av | 2566 |
| L_90~270(85)av | 2109 |
| L_45(65)av | 2889 |
| L_45(75)av | 2535 |
| L_45(85)av | 2119 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:COLORS
Test Date:2019-05-22

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.750m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: COLORS
Test Date: 2019-05-22

g Range: 0 - 180DEG
Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 10.750m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|---------------------------------------------------------------------------|--------------|-------------------|
| Test:U:24.00V I:0.2460A P:5.900W PF:1.000 Freq:0Hz Lamp Flux:94.5677x1 lm | | |
| NAME: DM5602410NO | TYPE: | WEIGHT:1000*10*12 |
| SPEC.:DM5602410NO-0RGBWNSI0200XC0100-R | DIM.: | SERIAL No.: |
| MFR.: Colors | SUR.:1000*10 | Shielding Angle: |

Table--1

UNIT: cd

| C(DEG) g (DEG) | 0 | 90 | 180 | 270 | | | | | | | | | | | | | | | |
|-------------------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 0 | 30.2 | 29.9 | 30.2 | 29.9 | | | | | | | | | | | | | | | |
| 5 | 29.9 | 30.4 | 30.1 | 29.7 | | | | | | | | | | | | | | | |
| 10 | 29.8 | 30.1 | 29.7 | 28.9 | | | | | | | | | | | | | | | |
| 15 | 29.5 | 30.1 | 29.0 | 28.2 | | | | | | | | | | | | | | | |
| 20 | 28.5 | 29.8 | 28.3 | 26.9 | | | | | | | | | | | | | | | |
| 25 | 27.9 | 29.1 | 27.4 | 25.6 | | | | | | | | | | | | | | | |
| 30 | 26.8 | 28.3 | 26.1 | 24.2 | | | | | | | | | | | | | | | |
| 35 | 25.5 | 27.0 | 24.5 | 22.5 | | | | | | | | | | | | | | | |
| 40 | 23.7 | 25.2 | 23.2 | 20.9 | | | | | | | | | | | | | | | |
| 45 | 22.0 | 23.9 | 21.4 | 18.7 | | | | | | | | | | | | | | | |
| 50 | 20.0 | 22.5 | 19.0 | 16.9 | | | | | | | | | | | | | | | |
| 55 | 17.7 | 20.4 | 16.5 | 14.6 | | | | | | | | | | | | | | | |
| 60 | 15.2 | 17.4 | 14.4 | 12.3 | | | | | | | | | | | | | | | |
| 65 | 12.5 | 14.9 | 11.7 | 9.71 | | | | | | | | | | | | | | | |
| 70 | 9.55 | 11.8 | 9.12 | 7.14 | | | | | | | | | | | | | | | |
| 75 | 6.70 | 8.62 | 6.23 | 4.67 | | | | | | | | | | | | | | | |
| 80 | 4.07 | 5.35 | 3.83 | 2.47 | | | | | | | | | | | | | | | |
| 85 | 2.05 | 2.62 | 1.73 | 1.05 | | | | | | | | | | | | | | | |
| 90 | 0.83 | 0.74 | 0.60 | 0.35 | | | | | | | | | | | | | | | |
| 95 | 0.33 | 0.13 | 0.12 | 0.15 | | | | | | | | | | | | | | | |
| 100 | 0.20 | 0.13 | 0.13 | 0.15 | | | | | | | | | | | | | | | |
| 105 | 0.19 | 0.14 | 0.19 | 0.19 | | | | | | | | | | | | | | | |
| 110 | 0.19 | 0.18 | 0.24 | 0.21 | | | | | | | | | | | | | | | |
| 115 | 0.22 | 0.21 | 0.30 | 0.30 | | | | | | | | | | | | | | | |
| 120 | 0.30 | 0.26 | 0.35 | 0.30 | | | | | | | | | | | | | | | |
| 125 | 0.30 | 0.29 | 0.39 | 0.30 | | | | | | | | | | | | | | | |
| 130 | 0.32 | 0.33 | 0.44 | 0.33 | | | | | | | | | | | | | | | |
| 135 | 0.35 | 0.35 | 0.47 | 0.37 | | | | | | | | | | | | | | | |
| 140 | 0.38 | 0.38 | 0.49 | 0.39 | | | | | | | | | | | | | | | |
| 145 | 0.39 | 0.40 | 0.50 | 0.39 | | | | | | | | | | | | | | | |
| 150 | 0.39 | 0.44 | 0.50 | 0.39 | | | | | | | | | | | | | | | |
| 155 | 0.39 | 0.44 | 0.48 | 0.39 | | | | | | | | | | | | | | | |
| 160 | 0.39 | 0.46 | 0.48 | 0.41 | | | | | | | | | | | | | | | |
| 165 | 0.39 | 0.48 | 0.46 | 0.42 | | | | | | | | | | | | | | | |
| 170 | 0.39 | 0.49 | 0.46 | 0.46 | | | | | | | | | | | | | | | |
| 175 | 0.39 | 0.49 | 0.46 | 0.49 | | | | | | | | | | | | | | | |
| 180 | 0.42 | 0.49 | 0.46 | 0.49 | | | | | | | | | | | | | | | |

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
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Operators:COLORS
Test Date:2019-05-22

g Range: 0 - 180DEG
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