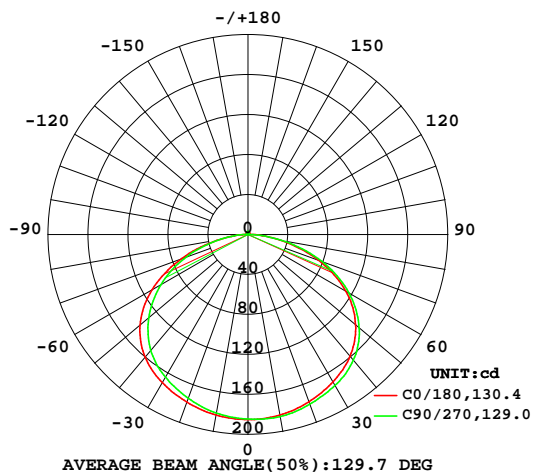


LUMINAIRE PHOTOMETRIC TEST REPORT

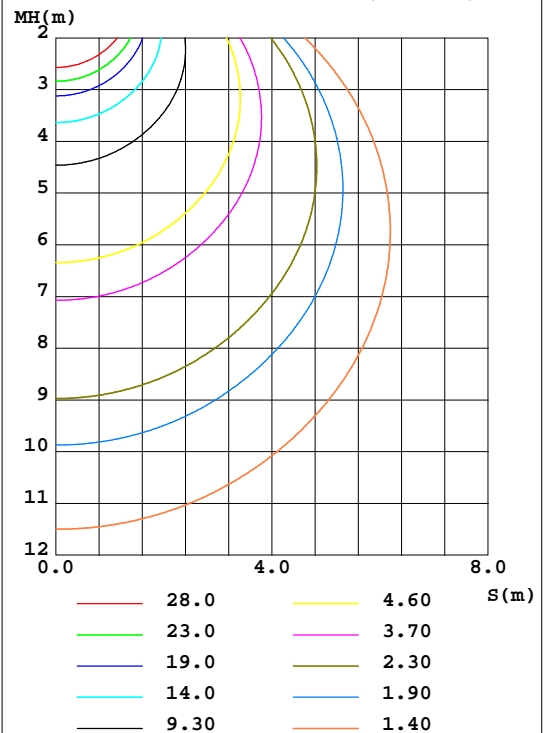
| | | |
|---|---------------------|------------------|
| Test:U:24.00V I:0.7130A P:17.10W PF:1.000 Freq:0Hz Lamp Flux:651.63lx1 lm | | |
| NAME: DA2402412NO | TYPE: | WEIGHT: |
| SPEC.:DA2402412NO-0RGBNDA012WC0500 | DIM.: 1000*12*1.5mm | SERIAL No.:01 |
| MFR.: Colors | SUR.:1000*12 | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 38.11 lm/W | | | |
|------------------|-------------|----------------------------------|--------|-------------------|----------|
| MODEL | DA2402412NO | I _{max} (cd) | 185.3 | S/MH(C0/180) | 1.39 |
| NOMINAL POWER(W) | 18 | LOR(%) | 100.0 | S/MH(C90/270) | 1.34 |
| RATED VOLTAGE(V) | 24 | TOTAL FLUX(lm) | 651.63 | h UP,DN(C0-180) | 0.9,50.7 |
| NOMINAL FLUX(lm) | 651.631 | CIE CLASS | DIRECT | h UP,DN(C180-360) | 0.8,47.7 |
| LAMPS INSIDE | 1 | h up(%) | 1.6 | CIBSE SHR NOM | 1.50 |
| TEST VOLTAGE(V) | 24 | h down(%) | 98.4 | CIBSE SHR MAX | 1.55 |

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:2019-08-05

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:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

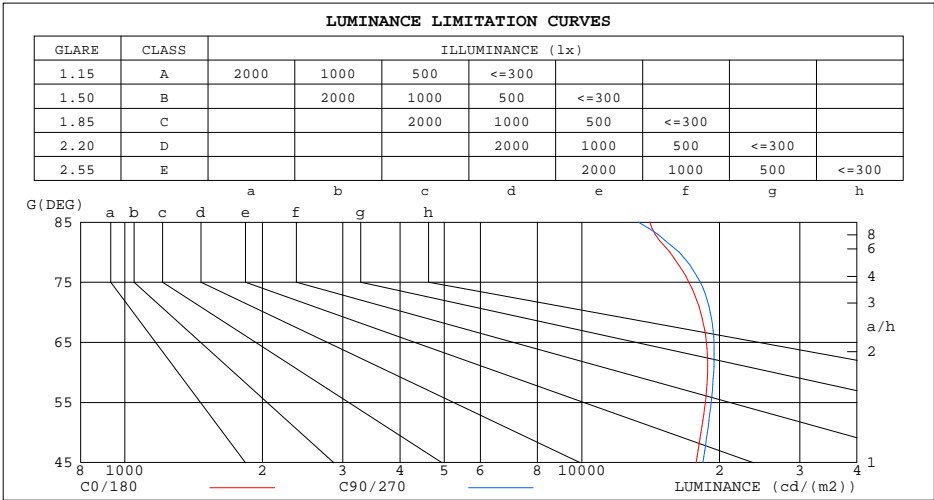
| g | C0 | C90 | C180 | C270 | | | | | g | F zone | F total | %lum,lamp |
|-----|-----------------------|--------|--------|--------|--|--|--|--|---------|---------|---------|-----------|
| 10 | 183.5 | 185.0 | 183.5 | 181.5 | | | | | 0~ 10 | 17.58 | 17.58 | 2.7,2.7 |
| 20 | 178.2 | 180.7 | 178.5 | 174.4 | | | | | 10~ 20 | 51.22 | 68.79 | 10.6,10.6 |
| 30 | 170.3 | 174.4 | 171.4 | 165.0 | | | | | 20~ 30 | 80.55 | 149.3 | 22.9,22.9 |
| 40 | 158.9 | 164.2 | 160.2 | 151.4 | | | | | 30~ 40 | 103.5 | 252.8 | 38.8,38.8 |
| 50 | 140.6 | 145.2 | 140.9 | 129.6 | | | | | 40~ 50 | 115.7 | 368.5 | 56.6,56.6 |
| 60 | 113.0 | 116.6 | 110.9 | 100.5 | | | | | 50~ 60 | 112.3 | 480.8 | 73.8,73.8 |
| 70 | 74.72 | 78.44 | 70.67 | 65.50 | | | | | 60~ 70 | 91.03 | 571.9 | 87.8,87.8 |
| 80 | 32.47 | 34.03 | 27.76 | 27.40 | | | | | 70~ 80 | 54.03 | 625.9 | 96.1,96.1 |
| 90 | 3.967 | 0.5332 | 2.204 | 0.2540 | | | | | 80~ 90 | 14.97 | 640.9 | 98.4,98.4 |
| 100 | 0.7274 | 0.6454 | 0.7153 | 0.6036 | | | | | 90~100 | 0.8181 | 641.7 | 98.5,98.5 |
| 110 | 1.326 | 1.217 | 1.320 | 1.202 | | | | | 100~110 | 1.030 | 642.7 | 98.6,98.6 |
| 120 | 1.937 | 1.725 | 1.848 | 1.616 | | | | | 110~120 | 1.527 | 644.3 | 98.9,98.9 |
| 130 | 2.388 | 2.073 | 2.222 | 1.951 | | | | | 120~130 | 1.776 | 646.0 | 99.1,99.1 |
| 140 | 2.646 | 2.299 | 2.453 | 2.157 | | | | | 130~140 | 1.768 | 647.8 | 99.4,99.4 |
| 150 | 2.755 | 2.408 | 2.505 | 2.337 | | | | | 140~150 | 1.528 | 649.3 | 99.6,99.6 |
| 160 | 2.916 | 2.743 | 2.659 | 2.755 | | | | | 150~160 | 1.214 | 650.5 | 99.8,99.8 |
| 170 | 2.891 | 3.122 | 2.569 | 3.071 | | | | | 160~170 | 0.8065 | 651.3 | 100,100 |
| 180 | 2.749 | 3.412 | 2.730 | 3.393 | | | | | 170~180 | 0.2815 | 651.6 | 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:2019-08-05

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:0.7130A P:17.10W PF:1.000 Freq:0Hz Lamp Flux:651.631x1 lm | | |
| NAME: DA2402412NO | TYPE: | WEIGHT: |
| SPEC.:DA2402412NO-0RGBNDA012WC0500 | DIM.: 1000*12*1.5mm | SERIAL No.:01 |
| MFR.: Colors | SUR.:1000*12 | Shielding Angle: |



| LUMINANCE cd/(m2) | | |
|-------------------|--------|---------|
| G(180) | C0/180 | C90/270 |
| 85 | 14083 | 13282 |
| 80 | 15583 | 16330 |
| 75 | 17153 | 18172 |
| 70 | 18207 | 19111 |
| 65 | 18728 | 19458 |
| 60 | 18838 | 19426 |
| 55 | 18628 | 19184 |
| 50 | 18232 | 18822 |
| 45 | 17777 | 18390 |

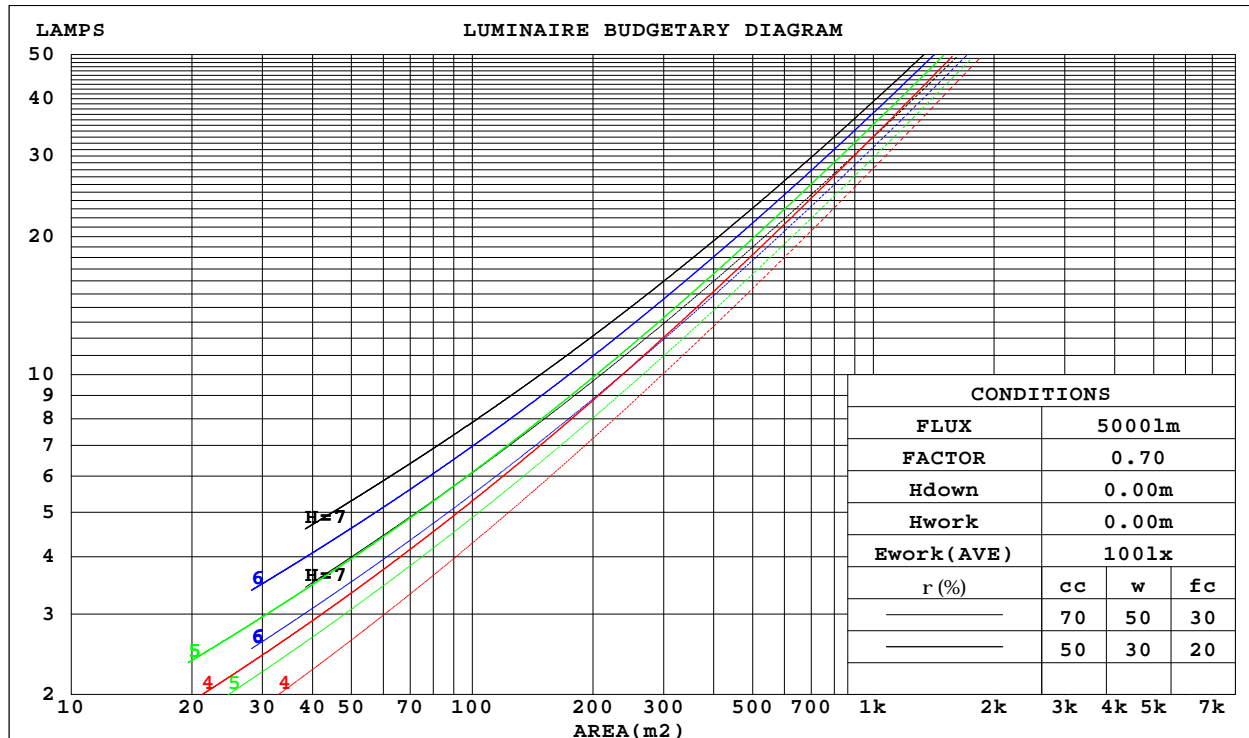
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:COLORS
Test Date:2019-08-05

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:0.7130A P:17.10W PF:1.000 Freq:0Hz Lamp Flux:651.63lx1 lm | | |
| NAME: DA2402412NO | TYPE: | WEIGHT: |
| SPEC.:DA2402412NO-0RGBNDA012WC0500 | DIM.: 1000*12*1.5mm | SERIAL No.:01 |
| MFR.: Colors | SUR.:1000*12 | 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 |
| 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 | 1.01 | 1.01 | 1.01 | .98 |
| 1.0 | 1.02 | .98 | .94 | 1.00 | .96 | .92 | .95 | .92 | .89 | .91 | .88 | .86 | .87 | .85 | .83 | .81 |
| 2.0 | .88 | .81 | .75 | .86 | .80 | .74 | .82 | .77 | .72 | .79 | .74 | .70 | .76 | .72 | .68 | .66 |
| 3.0 | .77 | .68 | .61 | .75 | .67 | .61 | .72 | .65 | .59 | .69 | .63 | .58 | .66 | .61 | .57 | .55 |
| 4.0 | .68 | .58 | .51 | .66 | .58 | .51 | .63 | .56 | .50 | .61 | .54 | .49 | .58 | .53 | .48 | .46 |
| 5.0 | .60 | .51 | .44 | .59 | .50 | .43 | .56 | .49 | .43 | .54 | .47 | .42 | .52 | .46 | .41 | .39 |
| 6.0 | .54 | .44 | .38 | .53 | .44 | .37 | .51 | .43 | .37 | .49 | .42 | .37 | .47 | .41 | .36 | .34 |
| 7.0 | .48 | .39 | .33 | .48 | .39 | .33 | .46 | .38 | .32 | .44 | .37 | .32 | .43 | .36 | .32 | .30 |
| 8.0 | .44 | .35 | .29 | .43 | .35 | .29 | .42 | .34 | .29 | .40 | .34 | .28 | .39 | .33 | .28 | .26 |
| 9.0 | .40 | .32 | .26 | .40 | .32 | .26 | .38 | .31 | .26 | .37 | .30 | .26 | .36 | .30 | .25 | .23 |
| 10.0 | .37 | .29 | .24 | .36 | .29 | .23 | .35 | .28 | .23 | .34 | .28 | .23 | .33 | .27 | .23 | .21 |



C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:COLORS
Test Date:2019-08-05

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:

WEC AND CCEC

| | | |
|---|---------------------|------------------|
| Test:U:24.00V I:0.7130A P:17.10W PF:1.000 Freq:0Hz Lamp Flux:651.63lx1 lm | | |
| NAME: DA2402412NO | TYPE: | WEIGHT: |
| SPEC.:DA2402412NO-0RGBNDA012WC0500 | DIM.: 1000*12*1.5mm | SERIAL No.:01 |
| MFR.: Colors | SUR.:1000*12 | 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 | .329 | .187 | .059 | .321 | .183 | .058 | .307 | .176 | .056 | .294 | .169 | .054 | .282 | .163 | .053 | |
| 2.0 | .307 | .168 | .052 | .301 | .166 | .051 | .288 | .160 | .050 | .276 | .155 | .049 | .265 | .150 | .047 | |
| 3.0 | .283 | .151 | .045 | .277 | .148 | .045 | .266 | .144 | .044 | .255 | .140 | .043 | .245 | .136 | .042 | |
| 4.0 | .260 | .135 | .040 | .255 | .133 | .039 | .244 | .130 | .039 | .235 | .126 | .038 | .226 | .123 | .037 | |
| 5.0 | .239 | .122 | .035 | .235 | .120 | .035 | .226 | .117 | .035 | .217 | .115 | .034 | .209 | .112 | .034 | |
| 6.0 | .221 | .111 | .032 | .217 | .110 | .032 | .209 | .107 | .031 | .201 | .105 | .031 | .194 | .102 | .030 | |
| 7.0 | .205 | .101 | .029 | .201 | .100 | .029 | .194 | .098 | .028 | .187 | .096 | .028 | .181 | .094 | .028 | |
| 8.0 | .191 | .093 | .026 | .188 | .092 | .026 | .181 | .091 | .026 | .175 | .089 | .026 | .169 | .087 | .025 | |
| 9.0 | .179 | .086 | .024 | .176 | .086 | .024 | .170 | .084 | .024 | .164 | .082 | .024 | .159 | .081 | .023 | |
| 10.0 | .168 | .080 | .022 | .165 | .080 | .022 | .160 | .078 | .022 | .155 | .077 | .022 | .150 | .075 | .022 | |

| | | | | | | | | | | | | | | | | |
|------|-----------------------|------|------|--|------|------|------|------|------|------|------|------|------|------|------|---|
| 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 | .203 | .203 | .203 | .174 | .174 | .174 | .118 | .118 | .118 | .068 | .068 | .068 | .022 | .022 | .022 | |
| 1.0 | .194 | .169 | .146 | .166 | .145 | .125 | .114 | .100 | .087 | .065 | .058 | .050 | .021 | .019 | .016 | |
| 2.0 | .187 | .145 | .109 | .160 | .124 | .094 | .110 | .086 | .066 | .063 | .050 | .038 | .020 | .016 | .013 | |
| 3.0 | .180 | .127 | .085 | .154 | .110 | .074 | .106 | .076 | .052 | .061 | .045 | .031 | .020 | .014 | .010 | |
| 4.0 | .172 | .114 | .070 | .148 | .099 | .060 | .102 | .069 | .043 | .059 | .040 | .025 | .019 | .013 | .008 | |
| 5.0 | .165 | .104 | .059 | .142 | .090 | .051 | .098 | .063 | .036 | .057 | .037 | .021 | .018 | .012 | .007 | |
| 6.0 | .158 | .096 | .051 | .136 | .083 | .044 | .094 | .058 | .031 | .054 | .034 | .019 | .018 | .011 | .006 | |
| 7.0 | .151 | .089 | .045 | .130 | .077 | .040 | .090 | .054 | .028 | .052 | .032 | .017 | .017 | .010 | .006 | |
| 8.0 | .144 | .083 | .041 | .124 | .072 | .036 | .086 | .051 | .025 | .050 | .030 | .015 | .016 | .010 | .005 | |
| 9.0 | .138 | .078 | .038 | .119 | .068 | .033 | .082 | .048 | .023 | .048 | .028 | .014 | .016 | .009 | .005 | |
| 10.0 | .132 | .074 | .035 | .114 | .064 | .031 | .079 | .045 | .022 | .046 | .027 | .013 | .015 | .009 | .004 | |

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:COLORS
Test Date:2019-08-05

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:0.7130A P:17.10W PF:1.000 Freq:0Hz Lamp Flux:651.63lx1 lm | | | | | | | | | | | |
| NAME: DA2402412NO | | | | | TYPE: | | | WEIGHT: | | | |
| SPEC.:DA2402412NO-0RGBNDA012WC0500 | | | | | DIM.: 1000*12*1.5mm | | | SERIAL No.:01 | | | |
| MFR.: Colors | | | | | SUR.:1000*12 | | | 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 | 24.8 | 26.4 | 25.1 | 26.6 | 26.9 | 24.9 | 26.5 | 25.2 | 26.7 | 27.0 | |
| | 3H | 26.6 | 28.0 | 26.9 | 28.3 | 28.6 | 26.8 | 28.2 | 27.1 | 28.5 | 28.7 |
| | 4H | 27.3 | 28.7 | 27.6 | 28.9 | 29.2 | 27.5 | 28.9 | 27.8 | 29.1 | 29.4 |
| | 6H | 27.8 | 29.1 | 28.1 | 29.4 | 29.7 | 28.0 | 29.3 | 28.4 | 29.6 | 29.9 |
| | 8H | 27.9 | 29.2 | 28.3 | 29.5 | 29.8 | 28.2 | 29.4 | 28.5 | 29.7 | 30.1 |
| | 12H | 28.0 | 29.2 | 28.4 | 29.6 | 29.9 | 28.2 | 29.4 | 28.6 | 29.8 | 30.1 |
| 4H | 2H | 25.5 | 26.9 | 25.9 | 27.2 | 27.5 | 25.6 | 27.0 | 26.0 | 27.3 | 27.6 |
| | 3H | 27.5 | 28.7 | 27.8 | 29.0 | 29.3 | 27.6 | 28.8 | 28.0 | 29.1 | 29.5 |
| | 4H | 28.3 | 29.4 | 28.7 | 29.7 | 30.1 | 28.5 | 29.6 | 28.9 | 29.9 | 30.3 |
| | 6H | 28.9 | 29.9 | 29.3 | 30.3 | 30.7 | 29.1 | 30.1 | 29.5 | 30.5 | 30.9 |
| | 8H | 29.1 | 30.0 | 29.6 | 30.4 | 30.9 | 29.3 | 30.2 | 29.8 | 30.6 | 31.1 |
| | 12H | 29.3 | 30.1 | 29.7 | 30.5 | 31.0 | 29.4 | 30.3 | 29.9 | 30.7 | 31.1 |
| 8H | 4H | 28.6 | 29.5 | 29.0 | 29.9 | 30.3 | 28.8 | 29.7 | 29.2 | 30.1 | 30.5 |
| | 6H | 29.4 | 30.1 | 29.9 | 30.6 | 31.0 | 29.6 | 30.3 | 30.0 | 30.8 | 31.2 |
| | 8H | 29.7 | 30.4 | 30.2 | 30.8 | 31.3 | 29.8 | 30.5 | 30.3 | 31.0 | 31.5 |
| | 12H | 29.9 | 30.5 | 30.4 | 31.0 | 31.5 | 30.1 | 30.6 | 30.6 | 31.1 | 31.6 |
| 12H | 4H | 28.6 | 29.5 | 29.1 | 29.9 | 30.3 | 28.8 | 29.6 | 29.2 | 30.0 | 30.5 |
| | 6H | 29.5 | 30.1 | 29.9 | 30.6 | 31.1 | 29.6 | 30.3 | 30.1 | 30.7 | 31.2 |
| | 8H | 29.8 | 30.4 | 30.3 | 30.9 | 31.4 | 30.0 | 30.5 | 30.5 | 31.0 | 31.5 |
| Variations with the observer position at spacings: | | | | | | | | | | | |
| S = 1.0H | + 0.1 / - 0.2 | | | | | + 0.1 / - 0.1 | | | | | |
| 1.5H | + 0.2 / - 0.3 | | | | | + 0.2 / - 0.3 | | | | | |
| 2.0H | + 0.2 / - 0.4 | | | | | + 0.2 / - 0.4 | | | | | |

CIE Pub.117, 651.6 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -1.5)

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:COLORS
Test Date:2019-08-05

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:0.7130A P:17.10W PF:1.000 Freq:0Hz Lamp Flux:651.63lx1 lm | | |
| NAME: DA2402412NO | TYPE: | WEIGHT: |
| SPEC.:DA2402412NO-0RGBNDA012WC0500 | DIM.: 1000*12*1.5mm | SERIAL No.:01 |
| MFR.: Colors | SUR.:1000*12 | Shielding Angle: |

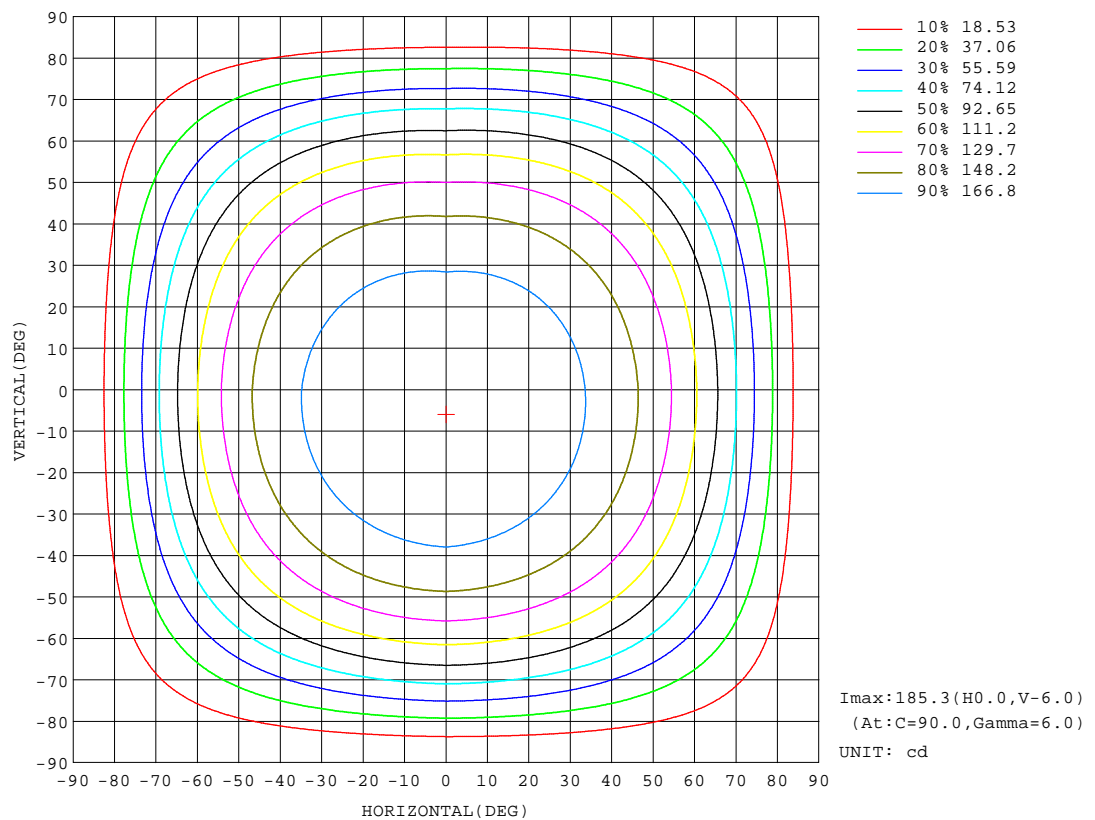
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|---|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 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 | 54 | 42 | 35 | 53 | 42 | 35 | 52 | 41 | 34 | 28 |
| 0.80 | 64 | 52 | 44 | 63 | 51 | 44 | 61 | 51 | 44 | 36 |
| 1.00 | 73 | 61 | 53 | 71 | 60 | 53 | 69 | 62 | 52 | 45 |
| 1.25 | 80 | 69 | 61 | 79 | 68 | 61 | 76 | 66 | 60 | 52 |
| 1.50 | 85 | 75 | 67 | 83 | 74 | 67 | 80 | 72 | 65 | 57 |
| 2.00 | 93 | 83 | 77 | 91 | 82 | 76 | 87 | 80 | 74 | 65 |
| 2.50 | 97 | 89 | 82 | 95 | 87 | 81 | 90 | 84 | 79 | 70 |
| 3.00 | 100 | 93 | 87 | 98 | 91 | 86 | 94 | 88 | 84 | 74 |
| 4.00 | 105 | 99 | 94 | 102 | 97 | 92 | 98 | 93 | 89 | 80 |
| 5.00 | 107 | 102 | 98 | 105 | 100 | 96 | 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:2019-08-05

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:0.7130A P:17.10W PF:1.000 Freq:0Hz Lamp Flux:651.63lx1 lm | | |
| NAME: DA2402412NO | TYPE: | WEIGHT: |
| SPEC.:DA2402412NO-0RGBNDA012WC0500 | DIM.: 1000*12*1.5mm | SERIAL No.:01 |
| MFR.: Colors | SUR.:1000*12 | Shielding Angle: |



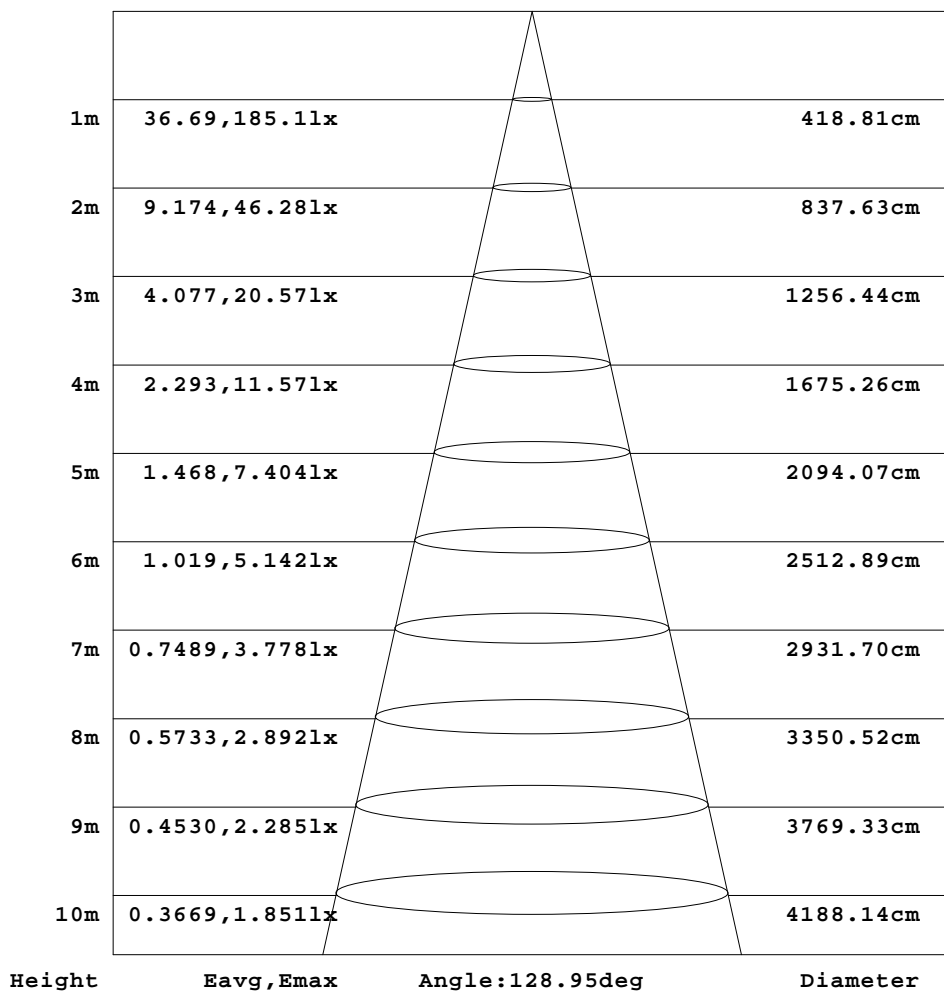
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:COLORS
Test Date:2019-08-05

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:0.7130A P:17.10W PF:1.000 Freq:0Hz Lamp Flux:651.63lx1 lm | | |
| NAME: DA2402412NO | TYPE: | WEIGHT: |
| SPEC.:DA2402412NO-0RGBNDA012WC0500 | DIM.: 1000*12*1.5mm | SERIAL No.:01 |
| MFR.: Colors | SUR.:1000*12 | Shielding Angle: |

Flux out:530.2 lm



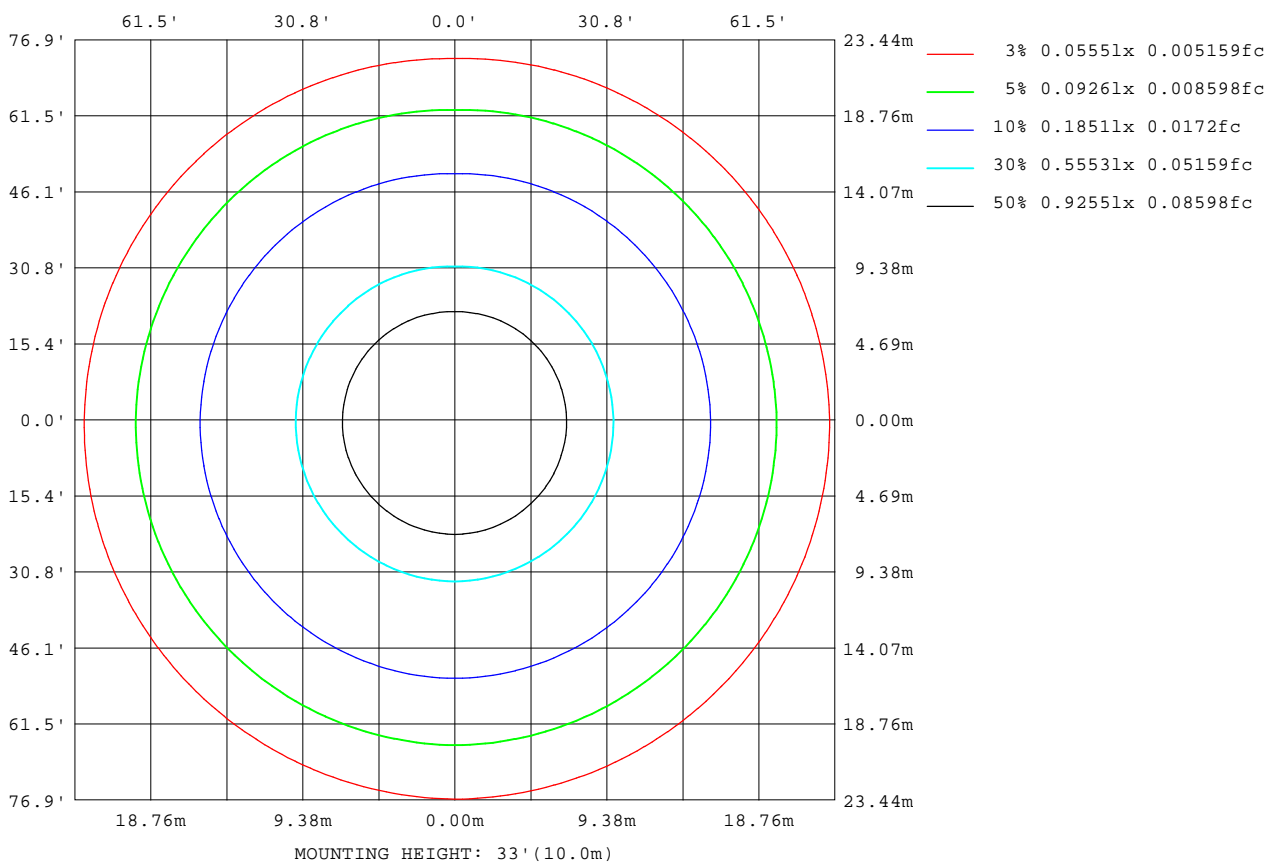
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: COLORS
Test Date: 2019-08-05

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:0.7130A P:17.10W PF:1.000 Freq:0Hz Lamp Flux:651.63lx1 lm | | |
| NAME: DA2402412NO | TYPE: | WEIGHT: |
| SPEC.:DA2402412NO-0RGBNDA012WC0500 | DIM.: 1000*12*1.5mm | SERIAL No.:01 |
| MFR.: Colors | SUR.:1000*12 | Shielding Angle: |



C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:COLORS
 Test Date:2019-08-05

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:0.7130A P:17.10W PF:1.000 Freq:0Hz Lamp Flux:651.63lx1 lm | | |
| NAME: DA2402412NO | TYPE: | WEIGHT: |
| SPEC.:DA2402412NO-0RGBNDA012WC0500 | DIM.: 1000*12*1.5mm | SERIAL No.:01 |
| MFR.: Colors | SUR.:1000*12 | Shielding Angle: |

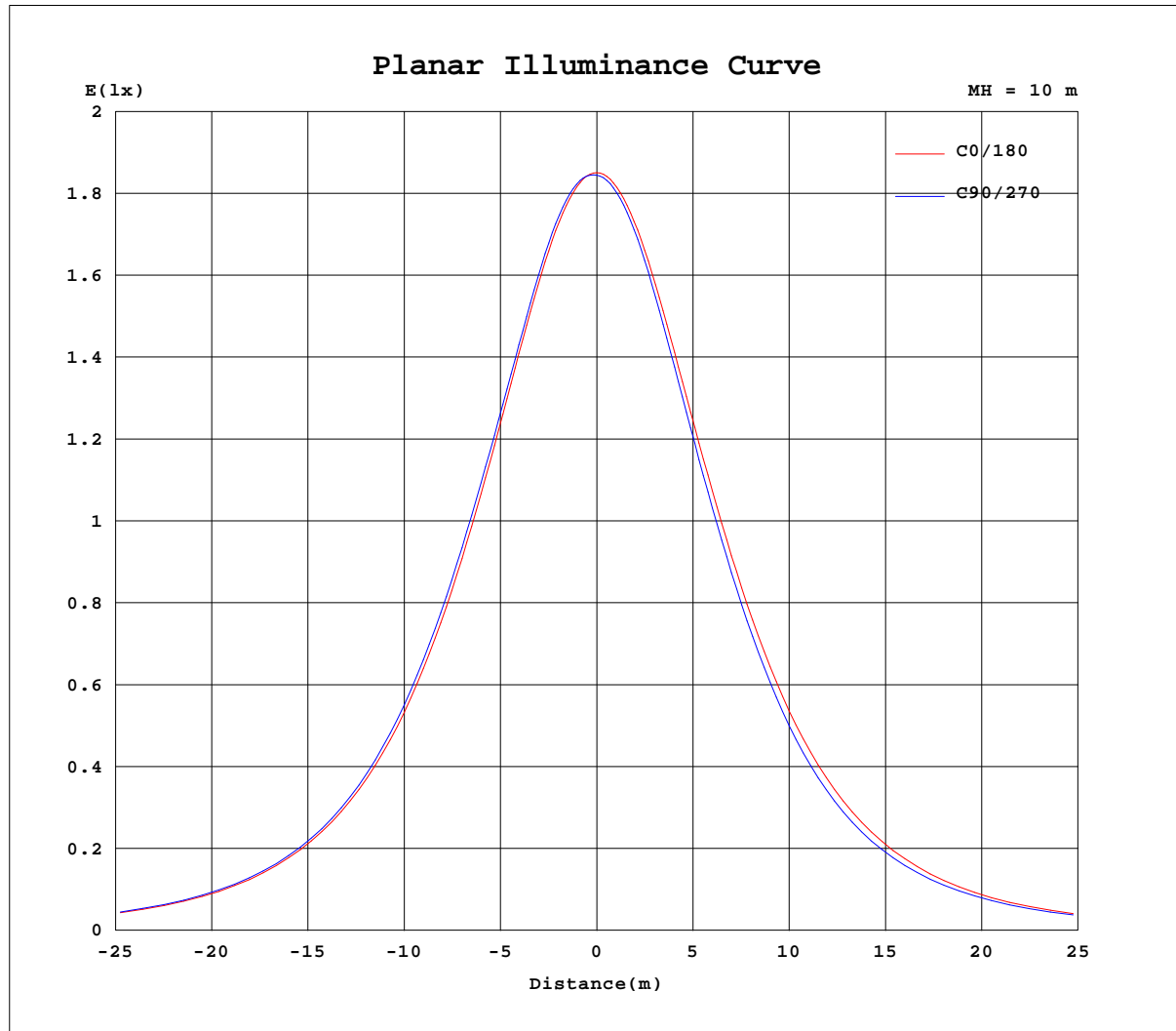
| AvgL | cd/m2 |
|----------------|-------|
| L_0~180(65)av | 18409 |
| L_0~180(75)av | 16427 |
| L_0~180(85)av | 12298 |
| L_90~270(65)av | 17983 |
| L_90~270(75)av | 16534 |
| L_90~270(85)av | 11905 |
| L_45(65)av | 18123 |
| L_45(75)av | 16449 |
| L_45(85)av | 11940 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:COLORS
 Test Date:2019-08-05

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: 2019-08-05

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:0.7130A P:17.10W PF:1.000 Freq:0Hz Lamp Flux:651.63lx1 lm | | |
| NAME: DA2402412NO | TYPE: | WEIGHT: |
| SPEC.:DA2402412NO-0RGBNDA012WC0500 | DIM.: 1000*12*1.5mm | SERIAL No.:01 |
| MFR.: Colors | SUR.:1000*12 | Shielding Angle: |

Table--1

UNIT: cd

| C(DEG) g (DEG) | 0 | 90 | 180 | 270 | | | | | | | | | | | | | | |
|-------------------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 0 | 185 | 185 | 185 | 185 | | | | | | | | | | | | | | |
| 5 | 185 | 185 | 185 | 183 | | | | | | | | | | | | | | |
| 10 | 183 | 185 | 183 | 182 | | | | | | | | | | | | | | |
| 15 | 181 | 183 | 181 | 178 | | | | | | | | | | | | | | |
| 20 | 178 | 181 | 179 | 174 | | | | | | | | | | | | | | |
| 25 | 175 | 178 | 175 | 170 | | | | | | | | | | | | | | |
| 30 | 170 | 174 | 171 | 165 | | | | | | | | | | | | | | |
| 35 | 165 | 170 | 167 | 159 | | | | | | | | | | | | | | |
| 40 | 159 | 164 | 160 | 151 | | | | | | | | | | | | | | |
| 45 | 151 | 156 | 152 | 142 | | | | | | | | | | | | | | |
| 50 | 141 | 145 | 141 | 130 | | | | | | | | | | | | | | |
| 55 | 128 | 132 | 127 | 116 | | | | | | | | | | | | | | |
| 60 | 113 | 117 | 111 | 101 | | | | | | | | | | | | | | |
| 65 | 95.0 | 98.7 | 91.7 | 83.7 | | | | | | | | | | | | | | |
| 70 | 74.7 | 78.4 | 70.7 | 65.5 | | | | | | | | | | | | | | |
| 75 | 53.3 | 56.4 | 48.8 | 46.3 | | | | | | | | | | | | | | |
| 80 | 32.5 | 34.0 | 27.8 | 27.4 | | | | | | | | | | | | | | |
| 85 | 14.7 | 13.9 | 11.0 | 11.0 | | | | | | | | | | | | | | |
| 90 | 3.97 | 0.53 | 2.20 | 0.25 | | | | | | | | | | | | | | |
| 95 | 0.73 | 0.51 | 0.53 | 0.32 | | | | | | | | | | | | | | |
| 100 | 0.73 | 0.65 | 0.72 | 0.60 | | | | | | | | | | | | | | |
| 105 | 1.02 | 0.93 | 1.03 | 0.92 | | | | | | | | | | | | | | |
| 110 | 1.33 | 1.22 | 1.32 | 1.20 | | | | | | | | | | | | | | |
| 115 | 1.67 | 1.49 | 1.57 | 1.43 | | | | | | | | | | | | | | |
| 120 | 1.94 | 1.73 | 1.85 | 1.62 | | | | | | | | | | | | | | |
| 125 | 2.22 | 1.91 | 2.04 | 1.81 | | | | | | | | | | | | | | |
| 130 | 2.39 | 2.07 | 2.22 | 1.95 | | | | | | | | | | | | | | |
| 135 | 2.57 | 2.20 | 2.37 | 2.03 | | | | | | | | | | | | | | |
| 140 | 2.65 | 2.30 | 2.45 | 2.16 | | | | | | | | | | | | | | |
| 145 | 2.70 | 2.35 | 2.48 | 2.19 | | | | | | | | | | | | | | |
| 150 | 2.76 | 2.41 | 2.50 | 2.34 | | | | | | | | | | | | | | |
| 155 | 2.85 | 2.55 | 2.59 | 2.55 | | | | | | | | | | | | | | |
| 160 | 2.92 | 2.74 | 2.66 | 2.76 | | | | | | | | | | | | | | |
| 165 | 2.95 | 2.94 | 2.65 | 2.91 | | | | | | | | | | | | | | |
| 170 | 2.89 | 3.12 | 2.57 | 3.07 | | | | | | | | | | | | | | |
| 175 | 2.76 | 3.30 | 2.56 | 3.23 | | | | | | | | | | | | | | |
| 180 | 2.75 | 3.41 | 2.73 | 3.39 | | | | | | | | | | | | | | |

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:COLORS
Test Date:2019-08-05

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: