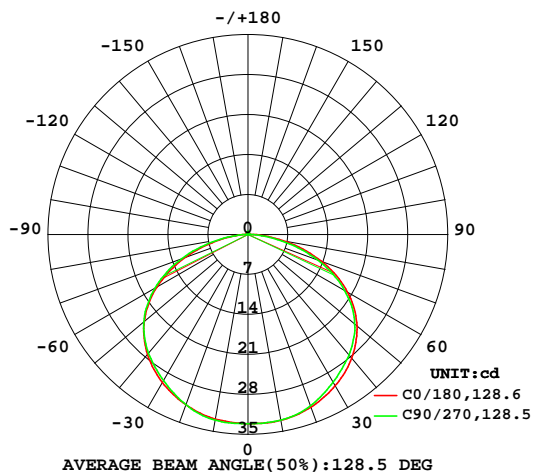


LUMINAIRE PHOTOMETRIC TEST REPORT

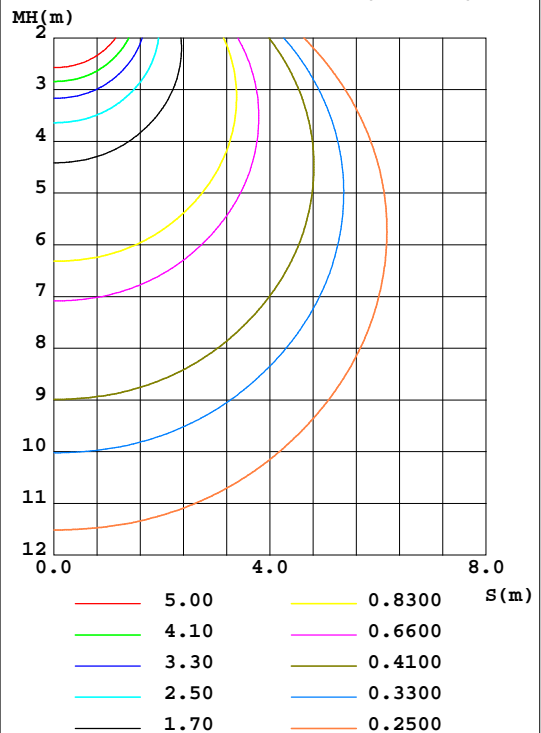
| | | |
|---|---------------------|------------------|
| Test:U:24.00V I:0.2440A P:5.800W PF:1.000 Freq:0Hz Lamp Flux:114.024x1 lm | | |
| NAME: DA2402412NO | TYPE: | WEIGHT: |
| SPEC.:DA2402412NO-0RGBNDA012WC0500-R | DIM.: 1000*12*1.5mm | SERIAL No.:01 |
| MFR.: Colors | SUR.:1000*12 | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 19.66 lm/W | | | |
|------------------|-------------|----------------------------------|--------|-------------------|----------|
| MODEL | DA2402412NO | I _{max} (cd) | 33.14 | S/MH(C0/180) | 1.35 |
| NOMINAL POWER(W) | 5.5 | LOR(%) | 100.0 | S/MH(C90/270) | 1.33 |
| RATED VOLTAGE(V) | 24 | TOTAL FLUX(lm) | 114.02 | h UP,DN(C0-180) | 0.9,50.4 |
| NOMINAL FLUX(lm) | 114.024 | CIE CLASS | DIRECT | h UP,DN(C180-360) | 0.7,48.0 |
| 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:

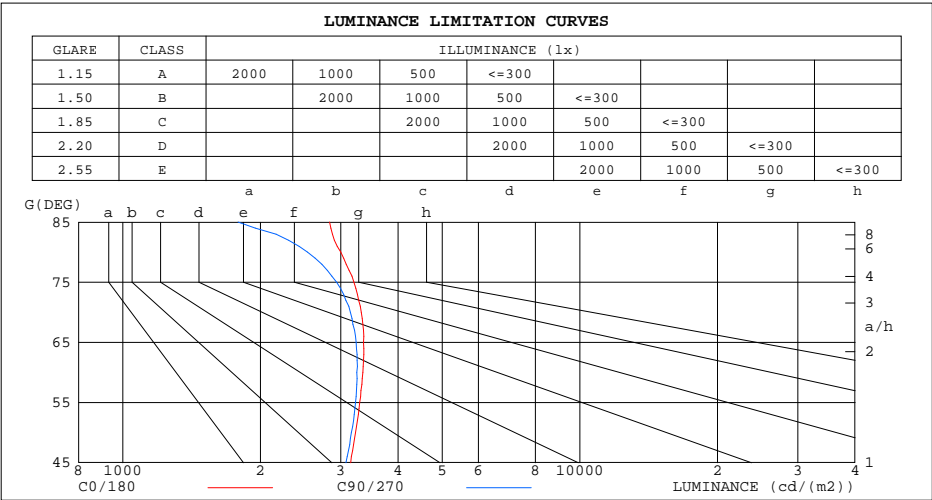
| g | C0 | C90 | C180 | C270 | | | | | g | F zone | F total | %lum,lamp |
|-----|-----------------------|--------|--------|--------|--|--|--|--|---------|---------|---------|-----------|
| 10 | 33.03 | 33.00 | 32.82 | 33.01 | | | | | 0~ 10 | 3.155 | 3.155 | 2.77,2.77 |
| 20 | 32.19 | 31.94 | 31.73 | 31.73 | | | | | 10~ 20 | 9.206 | 12.36 | 10.8,10.8 |
| 30 | 30.58 | 29.86 | 29.95 | 29.56 | | | | | 20~ 30 | 14.31 | 26.68 | 23.4,23.4 |
| 40 | 28.27 | 27.53 | 27.40 | 27.13 | | | | | 30~ 40 | 18.08 | 44.76 | 39.3,39.3 |
| 50 | 24.93 | 24.42 | 23.71 | 23.80 | | | | | 40~ 50 | 20.10 | 64.86 | 56.9,56.9 |
| 60 | 20.10 | 19.52 | 18.42 | 18.81 | | | | | 50~ 60 | 19.57 | 84.43 | 74,74 |
| 70 | 13.65 | 12.92 | 11.58 | 12.30 | | | | | 60~ 70 | 15.87 | 100.3 | 88,88 |
| 80 | 6.253 | 5.283 | 4.491 | 4.988 | | | | | 70~ 80 | 9.399 | 109.7 | 96.2,96.2 |
| 90 | 0.9557 | 0.0901 | 0.3073 | 0.0596 | | | | | 80~ 90 | 2.543 | 112.2 | 98.4,98.4 |
| 100 | 0.2318 | 0.1165 | 0.1353 | 0.0708 | | | | | 90~100 | 0.1888 | 112.4 | 98.6,98.6 |
| 110 | 0.1931 | 0.2257 | 0.2384 | 0.1732 | | | | | 100~110 | 0.1776 | 112.6 | 98.8,98.8 |
| 120 | 0.2704 | 0.3155 | 0.3220 | 0.2185 | | | | | 110~120 | 0.2404 | 112.8 | 99,99 |
| 130 | 0.3537 | 0.3734 | 0.3864 | 0.2768 | | | | | 120~130 | 0.2840 | 113.1 | 99.2,99.2 |
| 140 | 0.3798 | 0.3991 | 0.4120 | 0.2961 | | | | | 130~140 | 0.2811 | 113.4 | 99.5,99.5 |
| 150 | 0.3991 | 0.4249 | 0.4185 | 0.3476 | | | | | 140~150 | 0.2402 | 113.7 | 99.7,99.7 |
| 160 | 0.4437 | 0.4891 | 0.4185 | 0.4249 | | | | | 150~160 | 0.1931 | 113.8 | 99.8,99.8 |
| 170 | 0.4635 | 0.5472 | 0.4185 | 0.4893 | | | | | 160~170 | 0.1312 | 114.0 | 100,100 |
| 180 | 0.4635 | 0.5665 | 0.4185 | 0.5730 | | | | | 170~180 | 0.0464 | 114.0 | 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:0.2440A P:5.800W PF:1.000 Freq:0Hz Lamp Flux:114.024x1 lm | | |
| NAME: DA2402412NO | TYPE: | WEIGHT: |
| SPEC.:DA2402412NO-0RGBNDA012WC0500-R | 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 | 2834 | 1788 |
| 80 | 3001 | 2535 |
| 75 | 3204 | 2939 |
| 70 | 3325 | 3149 |
| 65 | 3363 | 3238 |
| 60 | 3351 | 3254 |
| 55 | 3301 | 3232 |
| 50 | 3232 | 3165 |
| 45 | 3151 | 3080 |

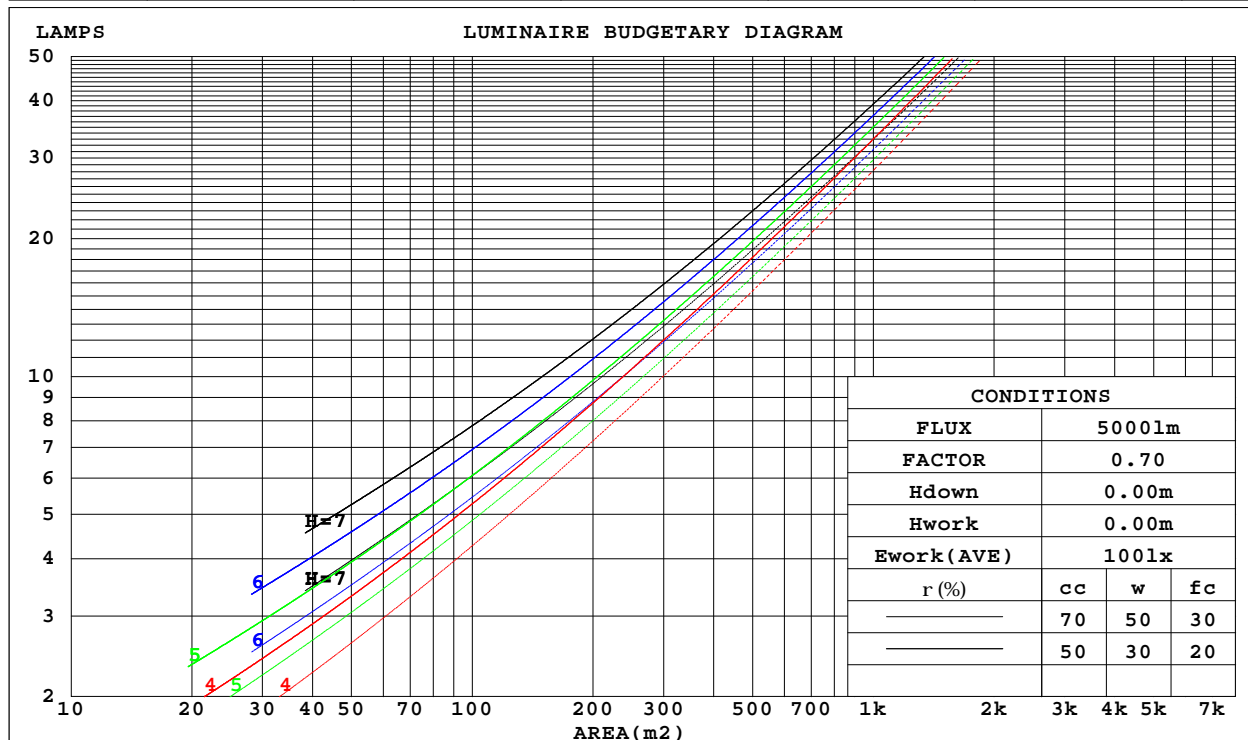
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:COLORS
Test Date:2019-08-05

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:0.2440A P:5.800W PF:1.000 Freq:0Hz Lamp Flux:114.024x1 lm | | |
| NAME: DA2402412NO | TYPE: | WEIGHT: |
| SPEC.:DA2402412NO-0RGBNDA012WC0500-R | DIM.: 1000*12*1.5mm | SERIAL No.:01 |
| MFR.: Colors | SUR.:1000*12 | 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 | 1.01 | 1.01 | 1.01 | .98 |
| 1.0 | 1.03 | .98 | .94 | 1.00 | .96 | .92 | .96 | .92 | .89 | .91 | .89 | .86 | .87 | .85 | .83 | .81 |
| 2.0 | .89 | .81 | .75 | .87 | .80 | .74 | .83 | .77 | .72 | .79 | .74 | .70 | .76 | .72 | .69 | .66 |
| 3.0 | .77 | .69 | .62 | .75 | .67 | .61 | .72 | .65 | .60 | .69 | .63 | .58 | .66 | .61 | .57 | .55 |
| 4.0 | .68 | .59 | .52 | .66 | .58 | .51 | .64 | .56 | .50 | .61 | .55 | .49 | .59 | .53 | .49 | .46 |
| 5.0 | .60 | .51 | .44 | .59 | .50 | .44 | .57 | .49 | .43 | .54 | .48 | .42 | .52 | .46 | .42 | .39 |
| 6.0 | .54 | .45 | .38 | .53 | .44 | .38 | .51 | .43 | .37 | .49 | .42 | .37 | .47 | .41 | .36 | .34 |
| 7.0 | .49 | .40 | .33 | .48 | .39 | .33 | .46 | .38 | .33 | .44 | .38 | .32 | .43 | .37 | .32 | .30 |
| 8.0 | .44 | .36 | .29 | .44 | .35 | .29 | .42 | .34 | .29 | .41 | .34 | .29 | .39 | .33 | .28 | .26 |
| 9.0 | .41 | .32 | .26 | .40 | .32 | .26 | .39 | .31 | .26 | .37 | .31 | .26 | .36 | .30 | .26 | .24 |
| 10.0 | .37 | .29 | .24 | .37 | .29 | .24 | .36 | .28 | .23 | .35 | .28 | .23 | .34 | .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:0.2440A P:5.800W PF:1.000 Freq:0Hz Lamp Flux:114.024x1 lm | | |
| NAME: DA2402412NO | TYPE: | WEIGHT: |
| SPEC.:DA2402412NO-0RGBNDA012WC0500-R | 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 | .327 | .186 | .059 | .320 | .182 | .058 | .305 | .175 | .056 | .292 | .169 | .054 | .280 | .162 | .052 | |
| 2.0 | .306 | .168 | .051 | .300 | .165 | .051 | .287 | .160 | .050 | .275 | .154 | .048 | .264 | .150 | .047 | |
| 3.0 | .282 | .150 | .045 | .276 | .148 | .044 | .265 | .143 | .044 | .254 | .139 | .043 | .245 | .135 | .042 | |
| 4.0 | .259 | .135 | .040 | .254 | .133 | .039 | .244 | .129 | .039 | .234 | .126 | .038 | .226 | .123 | .037 | |
| 5.0 | .239 | .122 | .035 | .234 | .120 | .035 | .225 | .117 | .034 | .217 | .114 | .034 | .209 | .112 | .034 | |
| 6.0 | .220 | .111 | .032 | .216 | .109 | .031 | .208 | .107 | .031 | .201 | .104 | .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 | .187 | .092 | .026 | .181 | .090 | .026 | .175 | .089 | .026 | .169 | .087 | .025 | |
| 9.0 | .178 | .086 | .024 | .175 | .085 | .024 | .169 | .084 | .024 | .164 | .082 | .024 | .159 | .081 | .023 | |
| 10.0 | .167 | .080 | .022 | .164 | .079 | .022 | .159 | .078 | .022 | .154 | .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 | .202 | .202 | .202 | .173 | .173 | .173 | .118 | .118 | .118 | .068 | .068 | .068 | .022 | .022 | .022 | |
| 1.0 | .194 | .168 | .145 | .166 | .144 | .125 | .113 | .099 | .086 | .065 | .057 | .050 | .021 | .018 | .016 | |
| 2.0 | .186 | .144 | .108 | .160 | .124 | .094 | .109 | .086 | .065 | .063 | .050 | .038 | .020 | .016 | .012 | |
| 3.0 | .179 | .127 | .085 | .153 | .109 | .073 | .105 | .076 | .052 | .061 | .044 | .030 | .020 | .014 | .010 | |
| 4.0 | .171 | .113 | .069 | .147 | .098 | .060 | .101 | .068 | .042 | .059 | .040 | .025 | .019 | .013 | .008 | |
| 5.0 | .164 | .103 | .058 | .141 | .089 | .051 | .097 | .062 | .036 | .056 | .037 | .021 | .018 | .012 | .007 | |
| 6.0 | .157 | .095 | .050 | .135 | .082 | .044 | .093 | .058 | .031 | .054 | .034 | .018 | .017 | .011 | .006 | |
| 7.0 | .150 | .088 | .045 | .129 | .076 | .039 | .089 | .054 | .028 | .052 | .032 | .016 | .017 | .010 | .005 | |
| 8.0 | .143 | .082 | .040 | .123 | .071 | .035 | .085 | .050 | .025 | .050 | .030 | .015 | .016 | .010 | .005 | |
| 9.0 | .137 | .077 | .037 | .118 | .067 | .032 | .082 | .047 | .023 | .048 | .028 | .014 | .015 | .009 | .005 | |
| 10.0 | .131 | .073 | .034 | .113 | .063 | .030 | .078 | .045 | .021 | .046 | .026 | .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:0.2440A P:5.800W PF:1.000 Freq:0Hz Lamp Flux:114.024x1 lm | | | | | | | | | | | |
| NAME: DA2402412NO | | | | | TYPE: | | | WEIGHT: | | | |
| SPEC.:DA2402412NO-0RGBNDA012WC0500-R | | | | | 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 | 24.7 | 26.3 | 25.0 | 26.5 | 26.8 | |
| | 3H | 26.7 | 28.1 | 27.0 | 28.4 | 28.7 | 26.5 | 27.9 | 26.8 | 28.2 | 28.5 |
| | 4H | 27.4 | 28.8 | 27.8 | 29.1 | 29.4 | 27.2 | 28.6 | 27.5 | 28.9 | 29.1 |
| | 6H | 28.0 | 29.3 | 28.3 | 29.6 | 29.9 | 27.7 | 29.0 | 28.0 | 29.3 | 29.6 |
| | 8H | 28.2 | 29.4 | 28.5 | 29.7 | 30.1 | 27.8 | 29.0 | 28.2 | 29.4 | 29.7 |
| | 12H | 28.3 | 29.5 | 28.7 | 29.8 | 30.2 | 27.8 | 29.0 | 28.2 | 29.4 | 29.7 |
| 4H | 2H | 25.5 | 26.9 | 25.9 | 27.2 | 27.5 | 25.5 | 26.8 | 25.8 | 27.1 | 27.4 |
| | 3H | 27.5 | 28.7 | 27.9 | 29.1 | 29.4 | 27.4 | 28.6 | 27.8 | 28.9 | 29.3 |
| | 4H | 28.4 | 29.5 | 28.8 | 29.9 | 30.2 | 28.2 | 29.3 | 28.6 | 29.7 | 30.0 |
| | 6H | 29.1 | 30.1 | 29.5 | 30.5 | 30.9 | 28.8 | 29.8 | 29.2 | 30.2 | 30.6 |
| | 8H | 29.3 | 30.3 | 29.8 | 30.7 | 31.1 | 29.0 | 29.9 | 29.4 | 30.3 | 30.7 |
| | 12H | 29.5 | 30.4 | 30.0 | 30.8 | 31.2 | 29.1 | 29.9 | 29.5 | 30.3 | 30.8 |
| 8H | 4H | 28.7 | 29.6 | 29.1 | 30.0 | 30.4 | 28.5 | 29.4 | 29.0 | 29.8 | 30.3 |
| | 6H | 29.5 | 30.3 | 30.0 | 30.7 | 31.2 | 29.3 | 30.0 | 29.7 | 30.5 | 30.9 |
| | 8H | 29.9 | 30.6 | 30.4 | 31.0 | 31.5 | 29.5 | 30.2 | 30.0 | 30.7 | 31.1 |
| | 12H | 30.2 | 30.7 | 30.7 | 31.2 | 31.7 | 29.7 | 30.3 | 30.2 | 30.7 | 31.2 |
| 12H | 4H | 28.7 | 29.6 | 29.2 | 30.0 | 30.4 | 28.6 | 29.4 | 29.0 | 29.8 | 30.2 |
| | 6H | 29.6 | 30.3 | 30.1 | 30.7 | 31.2 | 29.3 | 30.0 | 29.8 | 30.5 | 31.0 |
| | 8H | 30.0 | 30.6 | 30.5 | 31.0 | 31.6 | 29.6 | 30.2 | 30.1 | 30.7 | 31.2 |
| Variations with the observer position at spacings: | | | | | | | | | | | |
| S = 1.0H | + 0.1 / - 0.2 | | | | | + 0.1 / - 0.2 | | | | | |
| 1.5H | + 0.2 / - 0.3 | | | | | + 0.2 / - 0.3 | | | | | |
| 2.0H | + 0.2 / - 0.4 | | | | | + 0.2 / - 0.4 | | | | | |

CIE Pub.117, 114.0 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -7.5)

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:0.2440A P:5.800W PF:1.000 Freq:0Hz Lamp Flux:114.024x1 lm | | |
| NAME: DA2402412NO | TYPE: | WEIGHT: |
| SPEC.:DA2402412NO-0RGBNDA012WC0500-R | DIM.: 1000*12*1.5mm | SERIAL No.:01 |
| MFR.: Colors | SUR.:1000*12 | Shielding Angle: |

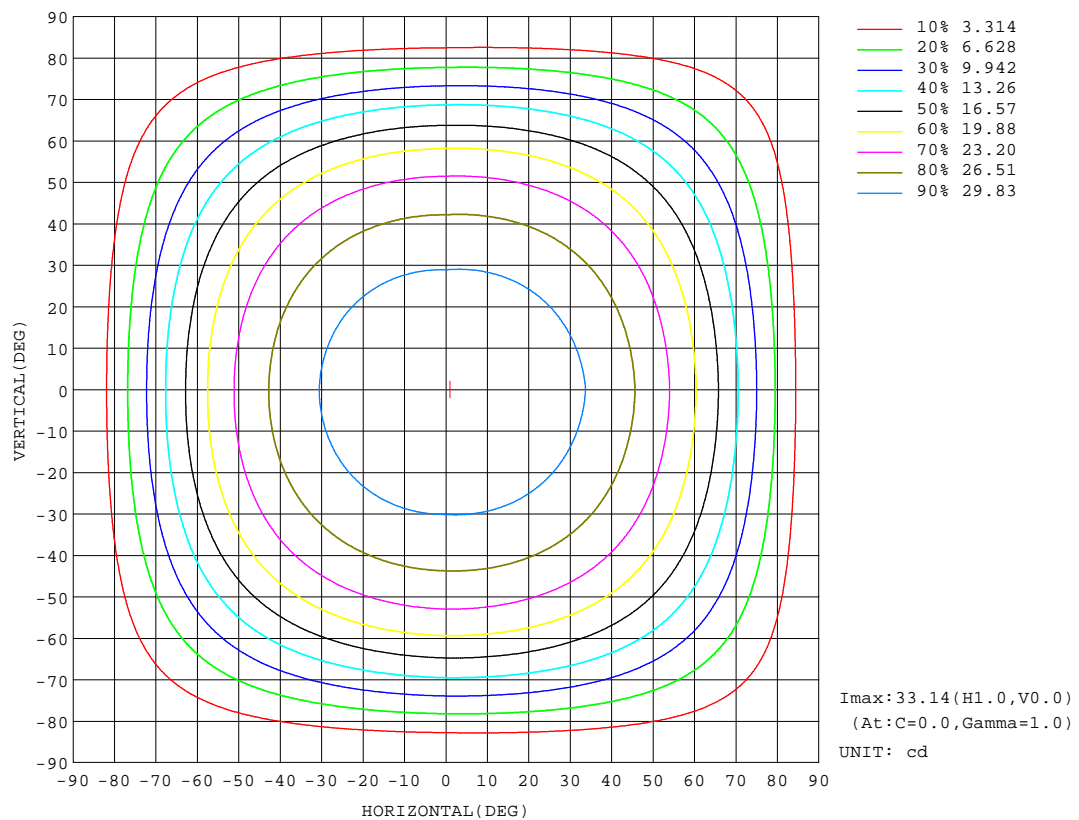
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|---|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 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 | 54 | 42 | 35 | 52 | 41 | 35 | 28 |
| 0.80 | 64 | 52 | 45 | 63 | 52 | 44 | 61 | 51 | 44 | 37 |
| 1.00 | 73 | 61 | 54 | 72 | 61 | 53 | 69 | 62 | 53 | 45 |
| 1.25 | 80 | 69 | 62 | 79 | 68 | 61 | 76 | 67 | 60 | 52 |
| 1.50 | 86 | 75 | 68 | 84 | 74 | 67 | 80 | 72 | 66 | 58 |
| 2.00 | 93 | 84 | 77 | 91 | 82 | 76 | 87 | 80 | 74 | 66 |
| 2.50 | 97 | 89 | 82 | 95 | 87 | 81 | 91 | 84 | 79 | 70 |
| 3.00 | 101 | 93 | 87 | 98 | 92 | 86 | 94 | 88 | 84 | 75 |
| 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:0.2440A P:5.800W PF:1.000 Freq:0Hz Lamp Flux:114.024x1 lm | | |
| NAME: DA2402412NO | TYPE: | WEIGHT: |
| SPEC.:DA2402412NO-0RGBNDA012WC0500-R | DIM.: 1000*12*1.5mm | SERIAL No.:01 |
| MFR.: Colors | SUR.:1000*12 | Shielding Angle: |



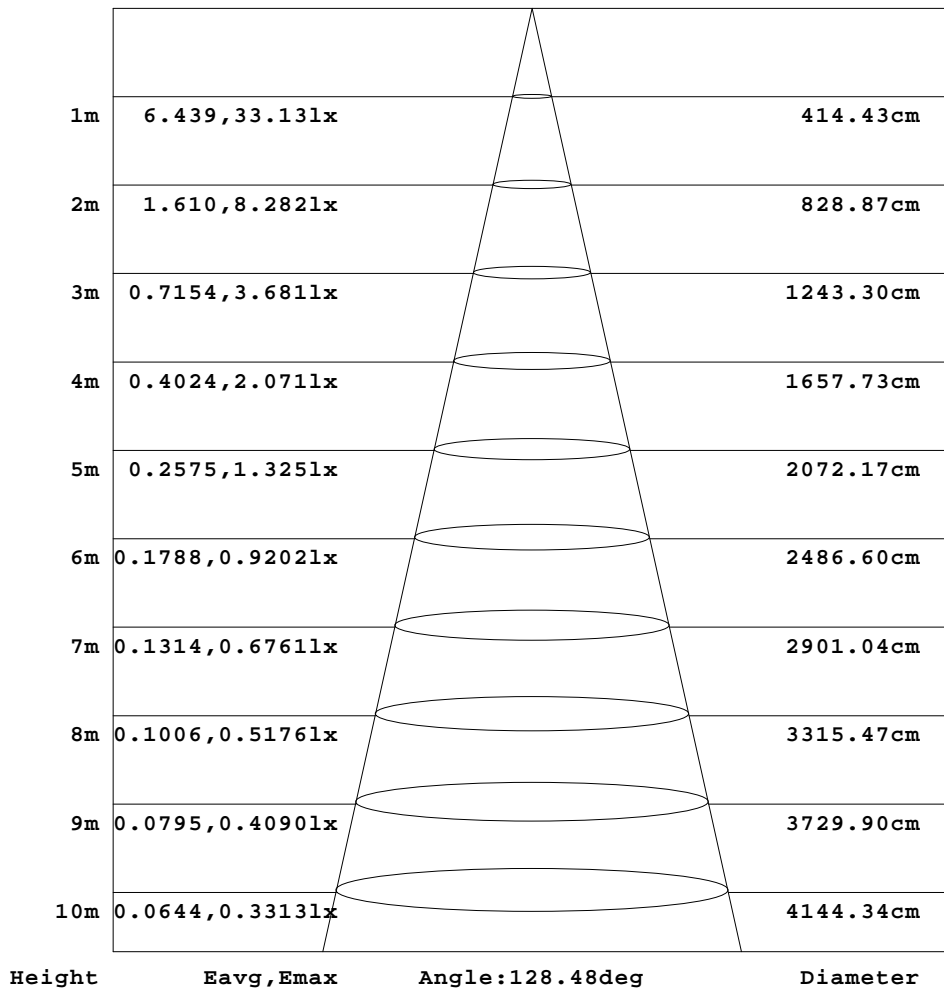
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:COLORS
Test Date:2019-08-05

deg 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:0.2440A P:5.800W PF:1.000 Freq:0Hz Lamp Flux:114.024x1 lm | | |
| NAME: DA2402412NO | TYPE: | WEIGHT: |
| SPEC.:DA2402412NO-0RGBNDA012WC0500-R | DIM.: 1000*12*1.5mm | SERIAL No.:01 |
| MFR.: Colors | SUR.:1000*12 | Shielding Angle: |

Flux out:93.02 lm



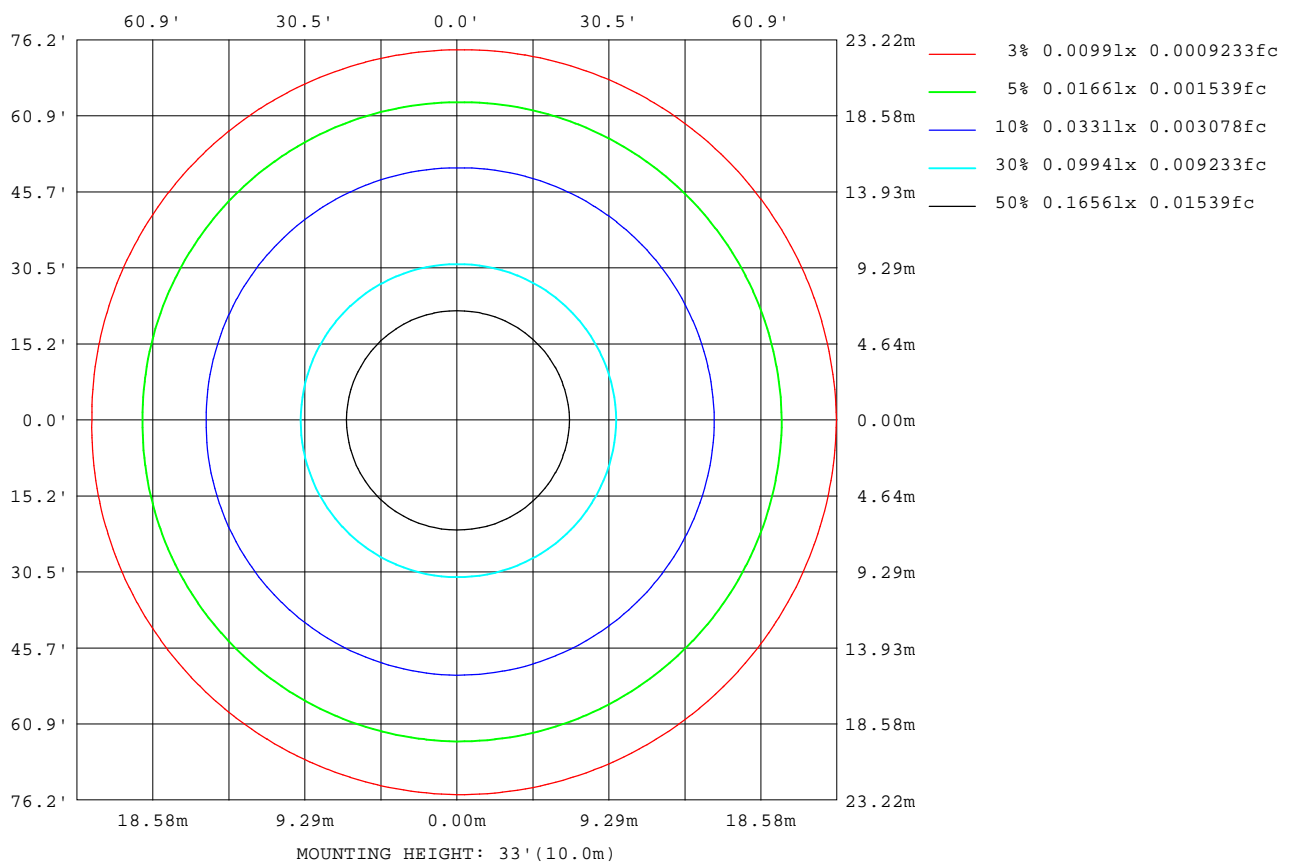
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.2440A P:5.800W PF:1.000 Freq:0Hz Lamp Flux:114.024x1 lm | | |
| NAME: DA2402412NO | TYPE: | WEIGHT: |
| SPEC.:DA2402412NO-0RGBNDA012WC0500-R | 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:0.2440A P:5.800W PF:1.000 Freq:0Hz Lamp Flux:114.024x1 lm | | |
| NAME: DA2402412NO | TYPE: | WEIGHT: |
| SPEC.:DA2402412NO-0RGBNDA012WC0500-R | DIM.: 1000*12*1.5mm | SERIAL No.:01 |
| MFR.: Colors | SUR.:1000*12 | Shielding Angle: |

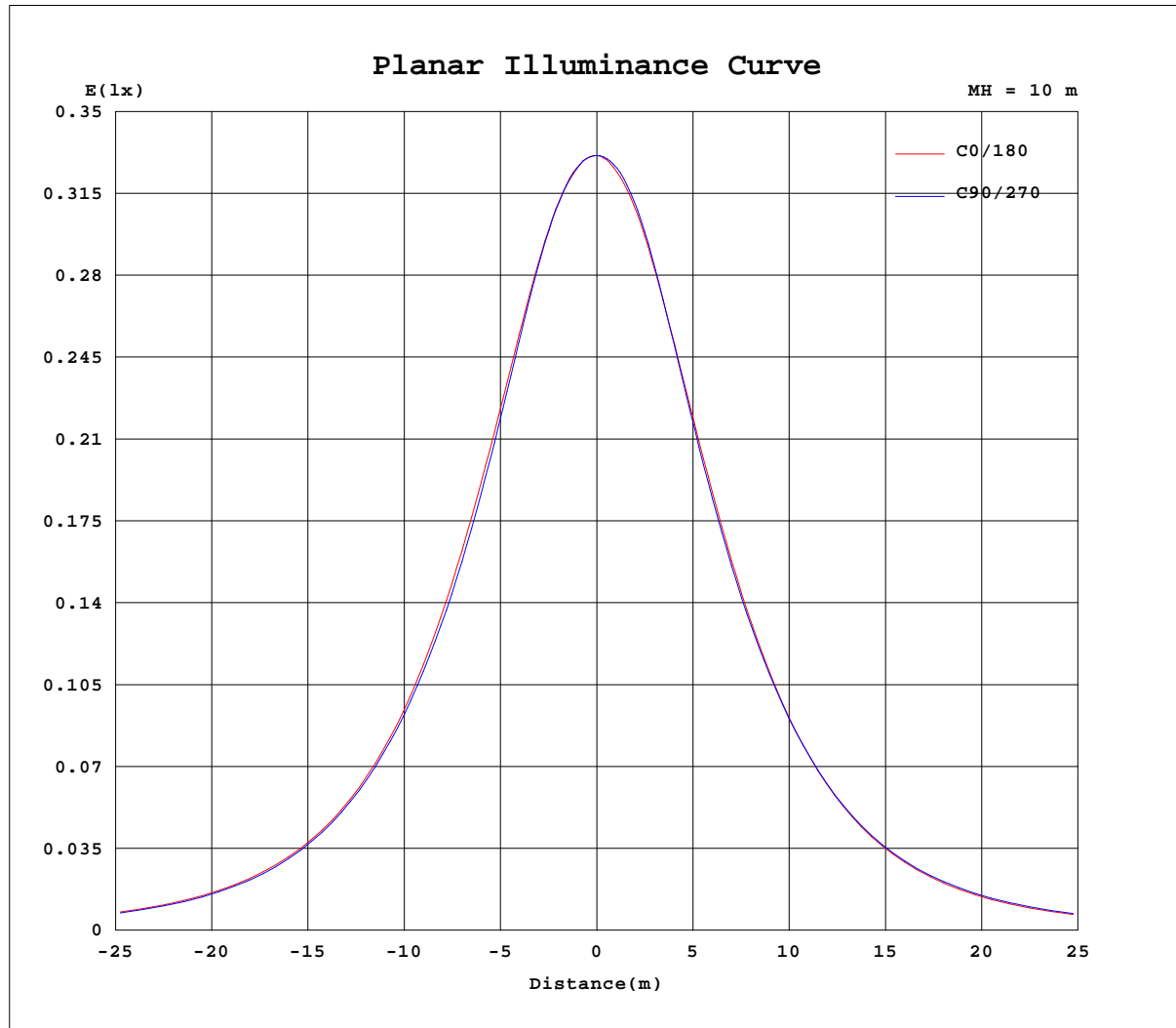
| AvgL | cd/m2 |
|----------------|-------|
| L_0~180(65)av | 3169 |
| L_0~180(75)av | 2879 |
| L_0~180(85)av | 2229 |
| L_90~270(65)av | 3172 |
| L_90~270(75)av | 2857 |
| L_90~270(85)av | 1714 |
| L_45(65)av | 3159 |
| L_45(75)av | 2845 |
| L_45(85)av | 1869 |

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:0.2440A P:5.800W PF:1.000 Freq:0Hz Lamp Flux:114.024x1 lm | | |
| NAME: DA2402412NO | TYPE: | WEIGHT: |
| SPEC.:DA2402412NO-0RGBNDA012WC0500-R | 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 | 33.1 | 33.1 | 33.1 | 33.1 | | | | | | | | | | | | | | | |
| 5 | 33.1 | 33.1 | 33.0 | 33.1 | | | | | | | | | | | | | | | |
| 10 | 33.0 | 33.0 | 32.8 | 33.0 | | | | | | | | | | | | | | | |
| 15 | 32.7 | 32.7 | 32.4 | 32.6 | | | | | | | | | | | | | | | |
| 20 | 32.2 | 31.9 | 31.7 | 31.7 | | | | | | | | | | | | | | | |
| 25 | 31.4 | 30.9 | 30.9 | 30.7 | | | | | | | | | | | | | | | |
| 30 | 30.6 | 29.9 | 30.0 | 29.6 | | | | | | | | | | | | | | | |
| 35 | 29.5 | 28.7 | 28.8 | 28.4 | | | | | | | | | | | | | | | |
| 40 | 28.3 | 27.5 | 27.4 | 27.1 | | | | | | | | | | | | | | | |
| 45 | 26.7 | 26.1 | 25.7 | 25.6 | | | | | | | | | | | | | | | |
| 50 | 24.9 | 24.4 | 23.7 | 23.8 | | | | | | | | | | | | | | | |
| 55 | 22.7 | 22.2 | 21.3 | 21.5 | | | | | | | | | | | | | | | |
| 60 | 20.1 | 19.5 | 18.4 | 18.8 | | | | | | | | | | | | | | | |
| 65 | 17.1 | 16.4 | 15.1 | 15.8 | | | | | | | | | | | | | | | |
| 70 | 13.6 | 12.9 | 11.6 | 12.3 | | | | | | | | | | | | | | | |
| 75 | 9.95 | 9.13 | 7.93 | 8.62 | | | | | | | | | | | | | | | |
| 80 | 6.25 | 5.28 | 4.49 | 4.99 | | | | | | | | | | | | | | | |
| 85 | 2.96 | 1.87 | 1.70 | 1.72 | | | | | | | | | | | | | | | |
| 90 | 0.96 | 0.09 | 0.31 | 0.06 | | | | | | | | | | | | | | | |
| 95 | 0.32 | 0.09 | 0.10 | 0.05 | | | | | | | | | | | | | | | |
| 100 | 0.23 | 0.12 | 0.14 | 0.07 | | | | | | | | | | | | | | | |
| 105 | 0.20 | 0.17 | 0.19 | 0.10 | | | | | | | | | | | | | | | |
| 110 | 0.19 | 0.23 | 0.24 | 0.17 | | | | | | | | | | | | | | | |
| 115 | 0.22 | 0.28 | 0.28 | 0.18 | | | | | | | | | | | | | | | |
| 120 | 0.27 | 0.32 | 0.32 | 0.22 | | | | | | | | | | | | | | | |
| 125 | 0.30 | 0.35 | 0.35 | 0.26 | | | | | | | | | | | | | | | |
| 130 | 0.35 | 0.37 | 0.39 | 0.28 | | | | | | | | | | | | | | | |
| 135 | 0.38 | 0.39 | 0.41 | 0.28 | | | | | | | | | | | | | | | |
| 140 | 0.38 | 0.40 | 0.41 | 0.30 | | | | | | | | | | | | | | | |
| 145 | 0.39 | 0.41 | 0.41 | 0.30 | | | | | | | | | | | | | | | |
| 150 | 0.40 | 0.42 | 0.42 | 0.35 | | | | | | | | | | | | | | | |
| 155 | 0.41 | 0.45 | 0.42 | 0.39 | | | | | | | | | | | | | | | |
| 160 | 0.44 | 0.49 | 0.42 | 0.42 | | | | | | | | | | | | | | | |
| 165 | 0.46 | 0.52 | 0.42 | 0.48 | | | | | | | | | | | | | | | |
| 170 | 0.46 | 0.55 | 0.42 | 0.49 | | | | | | | | | | | | | | | |
| 175 | 0.46 | 0.57 | 0.42 | 0.51 | | | | | | | | | | | | | | | |
| 180 | 0.46 | 0.57 | 0.42 | 0.57 | | | | | | | | | | | | | | | |

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: