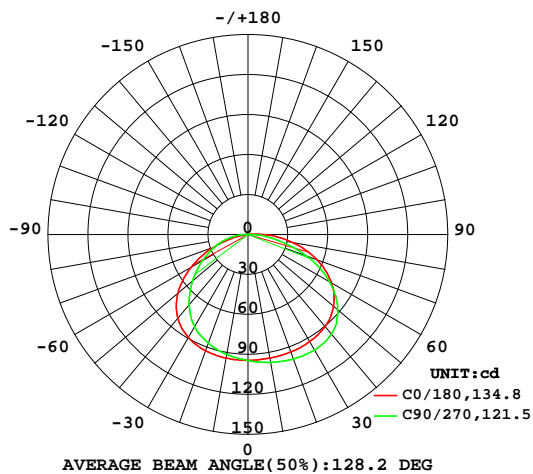


## LUMINAIRE PHOTOMETRIC TEST REPORT

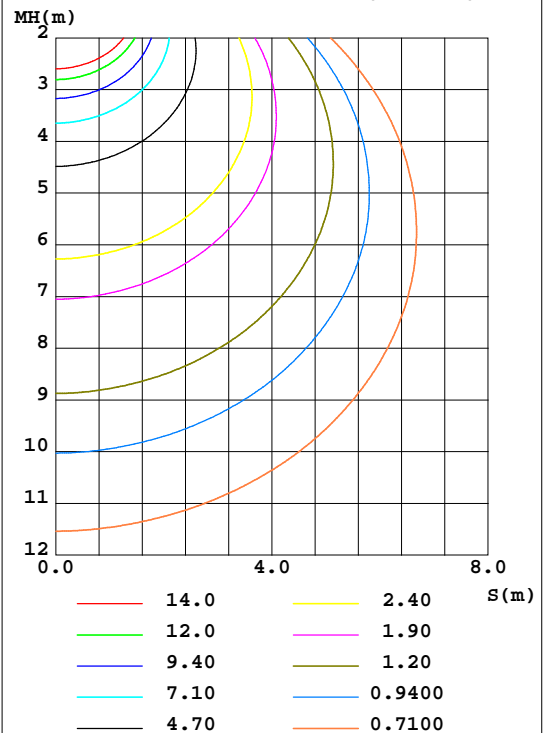
|   |                     |                  |
|---|---------------------|------------------|
| Test:U:24.00V I:0.1760A P:4.224W PF:0.9794 Freq:0Hz Lamp Flux:346.65x1 lm |                     |                  |
| NAME: DA6962412NO   | TYPE:               | WEIGHT:          |
| SPEC.:DA6962412NO-0RGBSWWDA012WC0500-G                                    | DIM.: 1000*12*1.5mm | SERIAL No.:01    |
| MFR.: Colors  | SUR.:1000*12        | Shielding Angle: |

| DATA OF LAMP     |             | PHOTOMETRIC DATA Eff: 82.07 lm/W |        |                   |          |
|------------------|-------------|----------------------------------|--------|-------------------|----------|
| MODEL            | DA6962412NO | I <sub>max</sub> (cd)            | 100.1  | S/MH(C0/180)      | 1.41     |
| NOMINAL POWER(W) | 3.84        | LOR(%)                           | 100.0  | S/MH(C90/270)     | 1.26     |
| RATED VOLTAGE(V) | 24          | TOTAL FLUX(lm)                   | 346.65 | h UP,DN(C0-180)   | 0.6,57.9 |
| NOMINAL FLUX(lm) | 346.65      | CIE CLASS                        | DIRECT | h UP,DN(C180-360) | 0.3,41.1 |
| LAMPS INSIDE     | 1           | h up(%)                          | 1.0    | CIBSE SHR NOM     | 1.50     |
| TEST VOLTAGE(V)  | 24          | h down(%)                        | 99.0   | 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:2018-11-30

g Range: 0 - 180DEG  
Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.500m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

### ZONAL FLUX DIAGRAM:

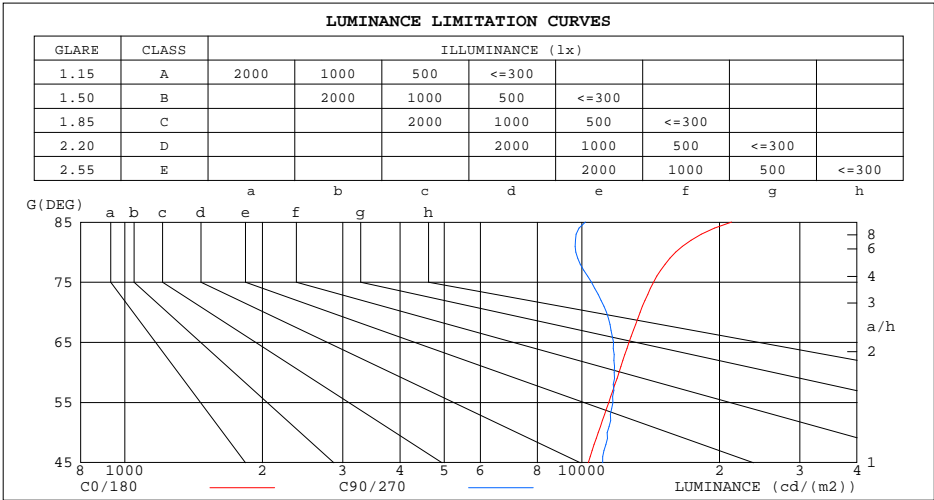
| g   | C0                    | C90    | C180   | C270   |  |  |  |  | g       | F zone  | F total | %lum,lamp |
|-----|-----------------------|--------|--------|--------|--|--|--|--|---------|---------|---------|-----------|
| 10  | 94.18                 | 97.46  | 94.20  | 91.47  |  |  |  |  | 0~ 10   | 9.013   | 9.013   | 2.6,2.6   |
| 20  | 93.86                 | 99.42  | 92.90  | 86.88  |  |  |  |  | 10~ 20  | 26.60   | 35.62   | 10.3,10.3 |
| 30  | 92.81                 | 100.1  | 89.39  | 80.11  |  |  |  |  | 20~ 30  | 42.61   | 78.23   | 22.6,22.6 |
| 40  | 90.09                 | 97.53  | 82.03  | 68.73  |  |  |  |  | 30~ 40  | 55.15   | 133.4   | 38.5,38.5 |
| 50  | 83.81                 | 87.68  | 68.76  | 54.32  |  |  |  |  | 40~ 50  | 61.54   | 194.9   | 56.2,56.2 |
| 60  | 72.34                 | 70.60  | 49.53  | 39.48  |  |  |  |  | 50~ 60  | 59.28   | 254.2   | 73.3,73.3 |
| 70  | 55.05                 | 46.48  | 26.74  | 25.86  |  |  |  |  | 60~ 70  | 48.02   | 302.2   | 87.2,87.2 |
| 80  | 33.44                 | 20.21  | 6.115  | 13.02  |  |  |  |  | 70~ 80  | 29.65   | 331.9   | 95.7,95.7 |
| 90  | 11.98                 | 0.6472 | 0.2285 | 1.888  |  |  |  |  | 80~ 90  | 11.37   | 343.2   | 99.99     |
| 100 | 0.7115                | 0.1003 | 0.2319 | 0.2068 |  |  |  |  | 90~100  | 1.644   | 344.9   | 99.5,99.5 |
| 110 | 0.1691                | 0.1504 | 0.3102 | 0.2914 |  |  |  |  | 100~110 | 0.2237  | 345.1   | 99.6,99.6 |
| 120 | 0.2413                | 0.2288 | 0.3761 | 0.3572 |  |  |  |  | 110~120 | 0.2652  | 345.4   | 99.6,99.6 |
| 130 | 0.3351                | 0.2978 | 0.4293 | 0.4324 |  |  |  |  | 120~130 | 0.3011  | 345.7   | 99.7,99.7 |
| 140 | 0.3854                | 0.3541 | 0.4638 | 0.4606 |  |  |  |  | 130~140 | 0.3051  | 346.0   | 99.8,99.8 |
| 150 | 0.4387                | 0.4105 | 0.4920 | 0.4857 |  |  |  |  | 140~150 | 0.2730  | 346.2   | 99.9,99.9 |
| 160 | 0.4575                | 0.4512 | 0.5076 | 0.4951 |  |  |  |  | 150~160 | 0.2158  | 346.5   | 99.9,99.9 |
| 170 | 0.4857                | 0.4857 | 0.5076 | 0.4982 |  |  |  |  | 160~170 | 0.1380  | 346.6   | 100,100   |
| 180 | 0.5170                | 0.4951 | 0.5045 | 0.4982 |  |  |  |  | 170~180 | 0.0475  | 346.6   | 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:2018-11-30

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.500m [K=1.0000]  
Remarks:

LUMINANCE LIMITATION CURVES

|   |                     |                  |
|---|---------------------|------------------|
| Test:U:24.00V I:0.1760A P:4.224W PF:0.9794 Freq:0Hz Lamp Flux:346.65x1 lm |                     |                  |
| NAME: DA6962412NO   | TYPE:               | WEIGHT:          |
| SPEC.:DA6962412NO-0RGBSWWDA012WC0500-G                                    | DIM.: 1000*12*1.5mm | SERIAL No.:01    |
| MFR.: Colors  | SUR.:1000*12        | Shielding Angle: |



| LUMINANCE cd/(m2) |        |           |
|-------------------|--------|-----------|
| G(180)            | G(270) | LUMINANCE |
| 85                | 8      | 1000      |
| 80                | 6      | 1000      |
| 75                | 4      | 1000      |
| 70                | 3      | 1000      |
| 65                | 2      | 1000      |
| 60                | 1      | 1000      |
| 55                | 1      | 1000      |
| 50                | 1      | 1000      |
| 45                | 1      | 1000      |

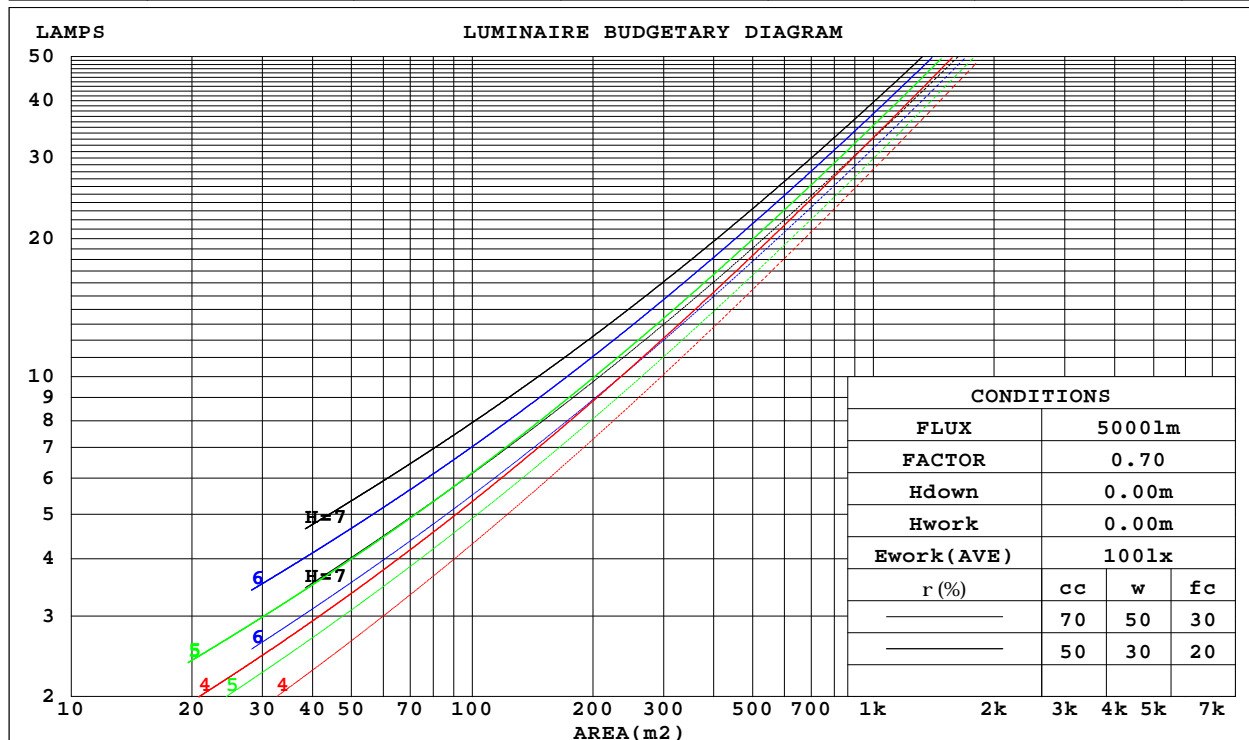
C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:COLORS  
Test Date:2018-11-30

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.500m [K=1.0000]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|   |                     |                  |
|---|---------------------|------------------|
| Test:U:24.00V I:0.1760A P:4.224W PF:0.9794 Freq:0Hz Lamp Flux:346.65x1 lm |                     |                  |
| NAME: DA6962412NO   | TYPE:               | WEIGHT:          |
| SPEC.:DA6962412NO-0RGBSWWDA012WC0500-G                                    | DIM.: 1000*12*1.5mm | SERIAL No.:01    |
| MFR.: Colors  | SUR.:1000*12        | Shielding Angle: |

| rcc             | 80%  |      |      | 70%  |      |      | 50%  |      |      | 30%  |      |      | 10%  |      |      | 0   |
|-----------------|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|
| r <sub>w</sub>  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0   |
| r <sub>fc</sub> | 20%  |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 0   |
| RCR             | RCR:Room Cavity Ratio                      Coefficients of Utilization(CU) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |
| 0.0             | 1.19   | 1.19 | 1.19 | 1.16 | 1.16 | 1.16 | 1.11 | 1.11 | 1.11 | 1.06 | 1.06 | 1.06 | 1.01 | 1.01 | 1.01 | .99 |
| 1.0             | 1.02   | .97  | .93  | .90  | .95  | .91  | .95  | .92  | .88  | .91  | .88  | .85  | .87  | .85  | .83  | .80 |
| 2.0             | .88  | .81  | .74  | .86  | .79  | .73  | .82  | .76  | .71  | .79  | .74  | .70  | .75  | .71  | .68  | .66 |
| 3.0             | .76  | .68  | .61  | .75  | .67  | .60  | .72  | .65  | .59  | .69  | .63  | .58  | .66  | .61  | .57  | .54 |
| 4.0             | .67  | .58  | .51  | .66  | .57  | .50  | .63  | .55  | .49  | .61  | .54  | .49  | .58  | .53  | .48  | .46 |
| 5.0             | .60  | .50  | .43  | .58  | .50  | .43  | .56  | .48  | .42  | .54  | .47  | .42  | .52  | .46  | .41  | .39 |
| 6.0             | .53  | .44  | .37  | .52  | .43  | .37  | .50  | .42  | .37  | .49  | .42  | .36  | .47  | .41  | .36  | .34 |
| 7.0             | .48  | .39  | .33  | .47  | .39  | .32  | .46  | .38  | .32  | .44  | .37  | .32  | .43  | .36  | .31  | .29 |
| 8.0             | .44  | .35  | .29  | .43  | .35  | .29  | .42  | .34  | .28  | .40  | .33  | .28  | .39  | .33  | .28  | .26 |
| 9.0             | .40  | .31  | .26  | .39  | .31  | .26  | .38  | .31  | .25  | .37  | .30  | .25  | .36  | .30  | .25  | .23 |
| 10.0            | .37  | .29  | .23  | .36  | .28  | .23  | .35  | .28  | .23  | .34  | .27  | .23  | .33  | .27  | .23  | .21 |



C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:COLORS  
 Test Date:2018-11-30

g Range: 0 - 180DEG  
 g Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:7.500m [K=1.0000]  
 Remarks:

### WEC AND CCEC

|   |                     |                  |
|---|---------------------|------------------|
| Test:U:24.00V I:0.1760A P:4.224W PF:0.9794 Freq:0Hz Lamp Flux:346.65x1 lm |                     |                  |
| NAME: DA6962412NO   | TYPE:               | WEIGHT:          |
| SPEC.:DA6962412NO-0RGBSWWDA012WC0500-G                                    | 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  | .340  | .193 | .061 | .332 | .190 | .060 | .318 | .183 | .058 | .306 | .176 | .057 | .294 | .170 | .055 |   |
| 2.0  | .314  | .172 | .053 | .307 | .169 | .052 | .295 | .164 | .051 | .283 | .159 | .050 | .272 | .154 | .049 |   |
| 3.0  | .287  | .153 | .046 | .281 | .151 | .045 | .270 | .146 | .044 | .260 | .142 | .044 | .250 | .139 | .043 |   |
| 4.0  | .263  | .137 | .040 | .258 | .135 | .040 | .248 | .131 | .039 | .239 | .128 | .039 | .230 | .125 | .038 |   |
| 5.0  | .241  | .123 | .036 | .237 | .122 | .035 | .228 | .119 | .035 | .220 | .116 | .035 | .212 | .113 | .034 |   |
| 6.0  | .223  | .112 | .032 | .219 | .110 | .032 | .211 | .108 | .031 | .204 | .106 | .031 | .197 | .104 | .031 |   |
| 7.0  | .207  | .102 | .029 | .203 | .101 | .029 | .196 | .099 | .029 | .189 | .097 | .028 | .183 | .095 | .028 |   |
| 8.0  | .192  | .094 | .026 | .189 | .093 | .026 | .183 | .091 | .026 | .177 | .090 | .026 | .171 | .088 | .026 |   |
| 9.0  | .180  | .087 | .024 | .177 | .086 | .024 | .171 | .085 | .024 | .166 | .083 | .024 | .161 | .082 | .024 |   |
| 10.0 | .168  | .081 | .022 | .166 | .080 | .022 | .161 | .079 | .022 | .156 | .077 | .022 | .151 | .076 | .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  | .198   | .198 | .198 | .169 | .169 | .169 | .115 | .115 | .115 | .066 | .066 | .066 | .021 | .021 | .021 |   |
| 1.0  | .190   | .163 | .140 | .163 | .140 | .120 | .111 | .096 | .083 | .064 | .056 | .048 | .020 | .018 | .016 |   |
| 2.0  | .183   | .139 | .103 | .157 | .120 | .089 | .107 | .083 | .062 | .062 | .048 | .036 | .020 | .016 | .012 |   |
| 3.0  | .175   | .122 | .080 | .150 | .105 | .069 | .103 | .073 | .048 | .060 | .043 | .029 | .019 | .014 | .009 |   |
| 4.0  | .168   | .109 | .064 | .144 | .094 | .056 | .099 | .066 | .039 | .057 | .038 | .023 | .018 | .013 | .008 |   |
| 5.0  | .160   | .099 | .053 | .138 | .085 | .046 | .095 | .060 | .033 | .055 | .035 | .019 | .018 | .011 | .006 |   |
| 6.0  | .153   | .090 | .046 | .132 | .078 | .040 | .091 | .055 | .028 | .053 | .032 | .017 | .017 | .011 | .006 |   |
| 7.0  | .146   | .084 | .040 | .126 | .073 | .035 | .087 | .051 | .025 | .050 | .030 | .015 | .016 | .010 | .005 |   |
| 8.0  | .139   | .078 | .036 | .120 | .068 | .031 | .083 | .047 | .022 | .048 | .028 | .013 | .016 | .009 | .004 |   |
| 9.0  | .133   | .073 | .032 | .115 | .063 | .028 | .079 | .045 | .020 | .046 | .026 | .012 | .015 | .009 | .004 |   |
| 10.0 | .127   | .069 | .030 | .110 | .060 | .026 | .076 | .042 | .018 | .044 | .025 | .011 | .014 | .008 | .004 |   |

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:COLORS  
Test Date:2018-11-30

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.500m [K=1.0000]  
Remarks:

## UGR(Unified Glare Rating) Table

|   |                  |      |      |      |                     |                |      |                  |      |      |
|---|------------------|------|------|------|---------------------|----------------|------|------------------|------|------|
| Test:U:24.00V I:0.1760A P:4.224W PF:0.9794 Freq:0Hz Lamp Flux:346.65x1 lm |                  |      |      |      |                     |                |      |                  |      |      |
| NAME: DA6962412NO   |                  |      |      |      | TYPE:               |                |      | WEIGHT:          |      |      |
| SPEC.:DA6962412NO-0RGBSWWDA012WC0500-G                                    |                  |      |      |      | 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   | 25.9             | 27.5 | 26.2 | 27.7 | 27.9                | 25.9           | 27.5 | 26.2             | 27.7 | 27.9 |
| 3H  | 28.1             | 29.5 | 28.4 | 29.8 | 30.0                | 27.7           | 29.2 | 28.0             | 29.4 | 29.7 |
| 4H  | 29.1             | 30.5 | 29.4 | 30.7 | 31.0                | 28.4           | 29.8 | 28.7             | 30.1 | 30.4 |
| 6H  | 30.0             | 31.3 | 30.4 | 31.6 | 31.9                | 28.9           | 30.2 | 29.3             | 30.5 | 30.8 |
| 8H  | 30.4             | 31.7 | 30.8 | 32.0 | 32.3                | 29.1           | 30.4 | 29.5             | 30.7 | 31.0 |
| 12H   | 30.9             | 32.1 | 31.2 | 32.4 | 32.7                | 29.3           | 30.5 | 29.6             | 30.8 | 31.1 |
| 4H 2H   | 26.7             | 28.1 | 27.0 | 28.3 | 28.6                | 26.7           | 28.1 | 27.0             | 28.3 | 28.6 |
| 3H  | 29.0             | 30.2 | 29.4 | 30.5 | 30.9                | 28.7           | 29.9 | 29.0             | 30.2 | 30.5 |
| 4H  | 30.1             | 31.2 | 30.5 | 31.6 | 32.0                | 29.5           | 30.6 | 29.9             | 31.0 | 31.3 |
| 6H  | 31.2             | 32.2 | 31.6 | 32.6 | 33.0                | 30.2           | 31.2 | 30.6             | 31.5 | 31.9 |
| 8H  | 31.7             | 32.7 | 32.2 | 33.0 | 33.5                | 30.4           | 31.4 | 30.9             | 31.8 | 32.2 |
| 12H   | 32.2             | 33.1 | 32.7 | 33.5 | 33.9                | 30.6           | 31.5 | 31.1             | 31.9 | 32.3 |
| 8H 4H   | 30.5             | 31.4 | 30.9 | 31.8 | 32.2                | 29.9           | 30.9 | 30.4             | 31.3 | 31.7 |
| 6H  | 31.8             | 32.5 | 32.2 | 33.0 | 33.4                | 30.8           | 31.6 | 31.3             | 32.0 | 32.5 |
| 8H  | 32.4             | 33.1 | 32.9 | 33.5 | 34.0                | 31.2           | 31.9 | 31.7             | 32.3 | 32.8 |
| 12H   | 33.1             | 33.7 | 33.6 | 34.2 | 34.7                | 31.5           | 32.1 | 32.0             | 32.6 | 33.1 |
| 12H 4H  | 30.5             | 31.4 | 30.9 | 31.8 | 32.2                | 30.0           | 30.9 | 30.5             | 31.3 | 31.7 |
| 6H  | 31.8             | 32.5 | 32.3 | 33.0 | 33.5                | 31.0           | 31.7 | 31.4             | 32.1 | 32.6 |
| 8H  | 32.6             | 33.2 | 33.1 | 33.6 | 34.1                | 31.4           | 32.0 | 31.9             | 32.5 | 33.0 |
| Variations with the observer position at spacings:                        |                  |      |      |      |                     |                |      |                  |      |      |
| S = 1.0H  | + 0.1 / - 0.1    |      |      |      |                     | + 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, 346.6 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -3.7)

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:COLORS  
Test Date:2018-11-30

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.500m [K=1.0000]  
Remarks:

### UTILIZATION FACTORS TABLE

|   |                     |                  |
|---|---------------------|------------------|
| Test:U:24.00V I:0.1760A P:4.224W PF:0.9794 Freq:0Hz Lamp Flux:346.65x1 lm |                     |                  |
| NAME: DA6962412NO   | TYPE:               | WEIGHT:          |
| SPEC.:DA6962412NO-0RGBSWWDA012WC0500-G                                    | DIM.: 1000*12*1.5mm | SERIAL No.:01    |
| MFR.: Colors  | SUR.:1000*12        | Shielding Angle: |

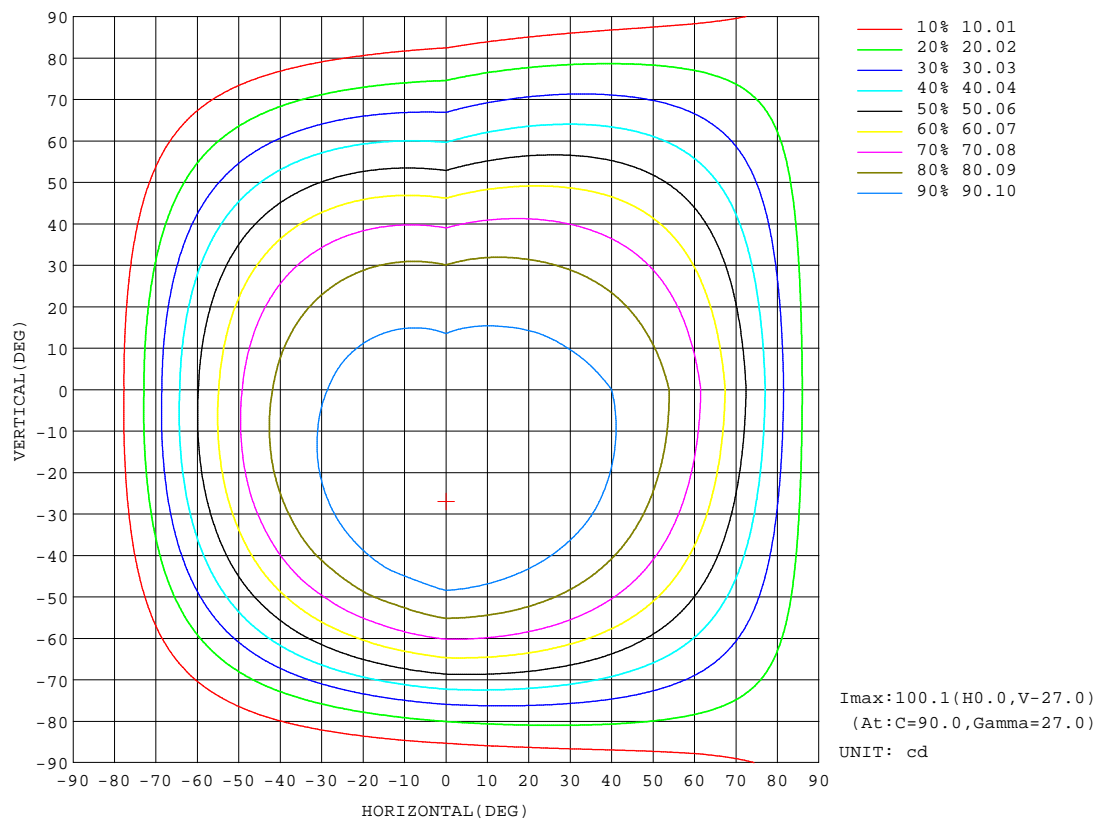
| REFLECTANCE                      |   |     |           |     |     |     |     |               |     |        |
|----------------------------------|---|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling                          | 0.8   | 0.8 | 0.8       | 0.7 | 0.7 | 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  | 34        | 53  | 41  | 34  | 52  | 41            | 34  | 27     |
| 0.80                             | 64  | 52  | 44        | 63  | 51  | 44  | 61  | 50            | 43  | 36     |
| 1.00                             | 73  | 61  | 53        | 71  | 60  | 53  | 69  | 62            | 52  | 44     |
| 1.25                             | 80  | 68  | 61        | 78  | 68  | 60  | 75  | 66            | 59  | 52     |
| 1.50                             | 85  | 74  | 67        | 83  | 73  | 66  | 80  | 71            | 65  | 57     |
| 2.00                             | 92  | 83  | 76        | 90  | 82  | 75  | 87  | 79            | 73  | 65     |
| 2.50                             | 97  | 88  | 81        | 94  | 87  | 80  | 90  | 84            | 78  | 70     |
| 3.00                             | 100   | 93  | 86        | 98  | 91  | 85  | 94  | 88            | 83  | 74     |
| 4.00                             | 104   | 98  | 93        | 102 | 96  | 91  | 97  | 93            | 89  | 79     |
| 5.00                             | 107   | 102 | 97        | 105 | 100 | 96  | 100 | 96            | 92  | 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:2018-11-30

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.500m [K=1.0000]  
Remarks:

## ISOCANDELA DIAGRAM

|   |                     |                  |
|---|---------------------|------------------|
| Test:U:24.00V I:0.1760A P:4.224W PF:0.9794 Freq:0Hz Lamp Flux:346.65x1 lm |                     |                  |
| NAME: DA6962412NO   | TYPE:               | WEIGHT:          |
| SPEC.:DA6962412NO-0RGBSWWDA012WC0500-G                                    | 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:2018-11-30

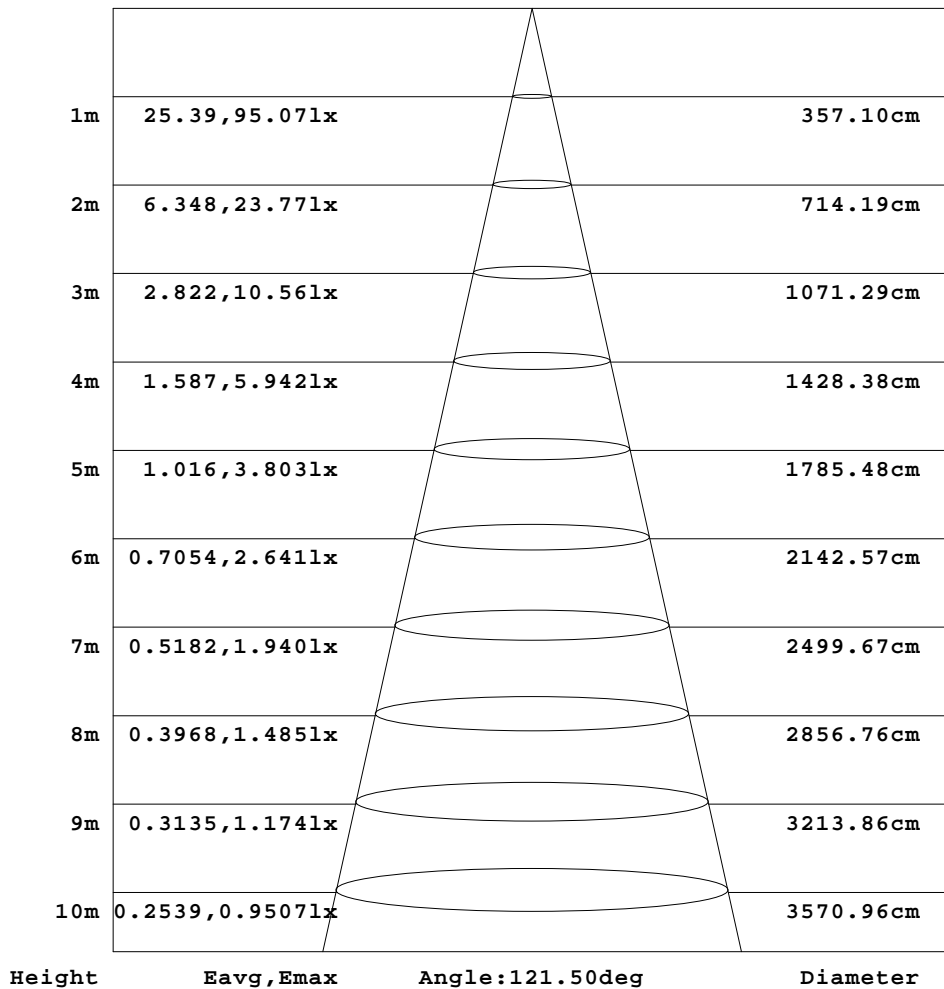
Range: 0 - 180DEG  
Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.500m [K=1.0000]  
Remarks:



### AAI Figure

|   |                     |                  |
|---|---------------------|------------------|
| Test:U:24.00V I:0.1760A P:4.224W PF:0.9794 Freq:0Hz Lamp Flux:346.65x1 lm |                     |                  |
| NAME: DA6962412NO   | TYPE:               | WEIGHT:          |
| SPEC.:DA6962412NO-0RGBSWWDA012WC0500-G                                    | DIM.: 1000*12*1.5mm | SERIAL No.:01    |
| MFR.: Colors  | SUR.:1000*12        | Shielding Angle: |

Flux out:259.6 lm



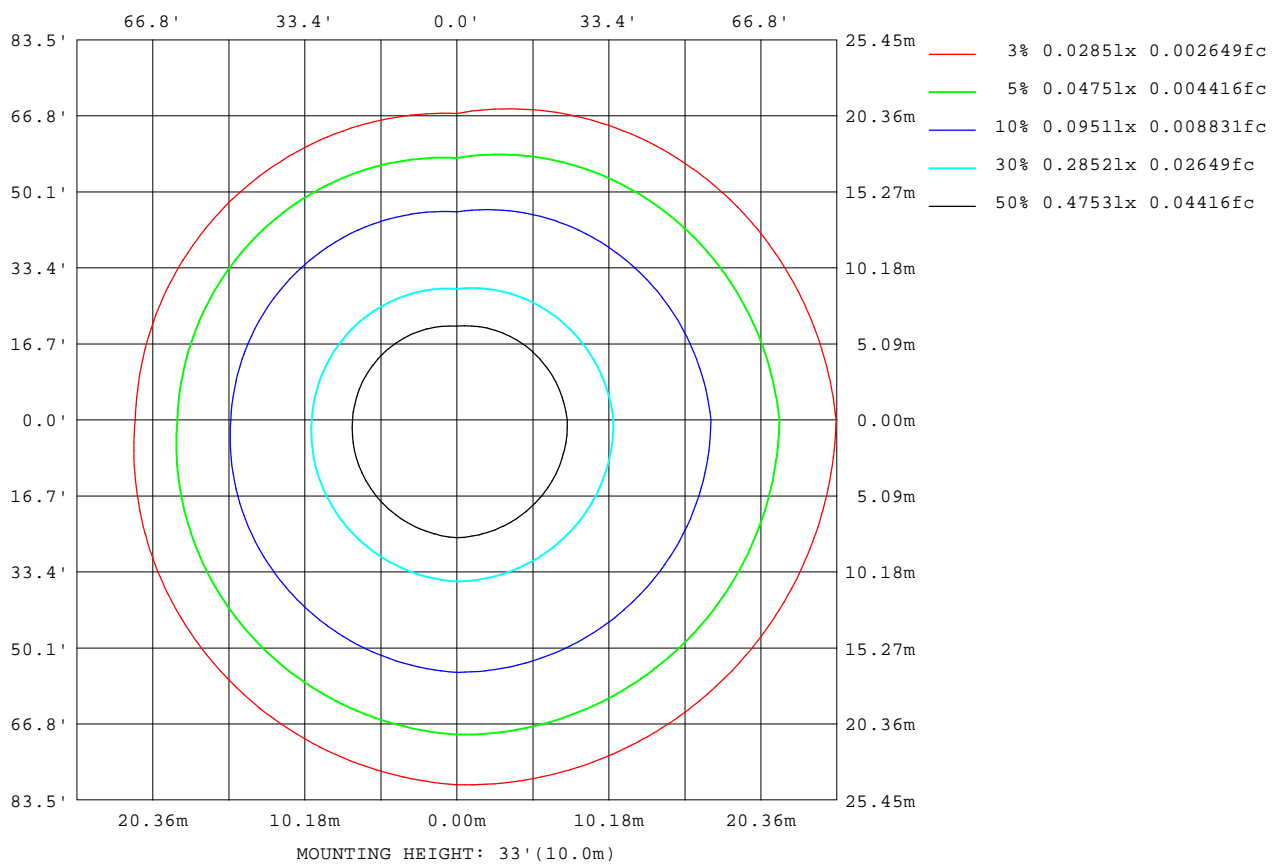
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:COLORS  
Test Date:2018-11-30

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.500m [K=1.0000]  
Remarks:

### ISOLUX DIAGRAM

|   |                     |                  |
|---|---------------------|------------------|
| Test:U:24.00V I:0.1760A P:4.224W PF:0.9794 Freq:0Hz Lamp Flux:346.65x1 lm |                     |                  |
| NAME: DA6962412NO   | TYPE:               | WEIGHT:          |
| SPEC.:DA6962412NO-0RGBSWWDA012WC0500-G                                    | 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:2018-11-30

Range: 0 - 180DEG  
Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.500m [K=1.0000]  
Remarks:

## LED Avg.L Report

|   |                     |                  |
|---|---------------------|------------------|
| Test:U:24.00V I:0.1760A P:4.224W PF:0.9794 Freq:0Hz Lamp Flux:346.65x1 lm |                     |                  |
| NAME: DA6962412NO   | TYPE:               | WEIGHT:          |
| SPEC.:DA6962412NO-0RGBSWWDA012WC0500-G                                    | DIM.: 1000*12*1.5mm | SERIAL No.:01    |
| MFR.: Colors  | SUR.:1000*12        | Shielding Angle: |

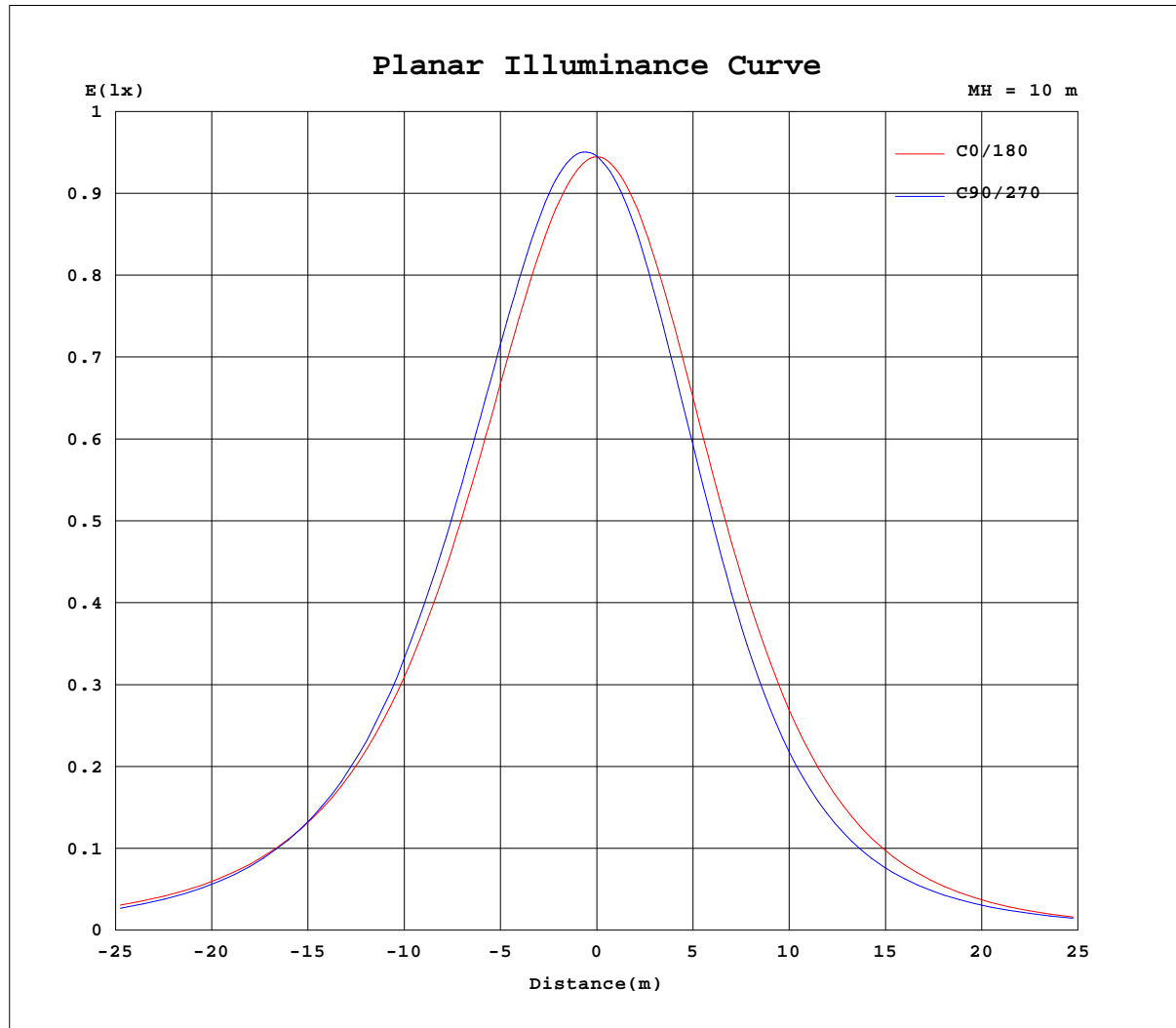
| AvgL           | cd/m2 |
|----------------|-------|
| L_0~180(65)av  | 10120 |
| L_0~180(75)av  | 9640  |
| L_0~180(85)av  | 11171 |
| L_90~270(65)av | 9070  |
| L_90~270(75)av | 8375  |
| L_90~270(85)av | 8450  |
| L_45(65)av     | 9304  |
| L_45(75)av     | 8555  |
| L_45(85)av     | 8839  |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:COLORS  
 Test Date:2018-11-30

g Range: 0 - 180DEG  
 g Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:7.500m [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: 2018-11-30

deg Range: 0 - 180DEG  
Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity: 65.0%  
Test Distance: 7.500m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

|   |                     |                  |
|---|---------------------|------------------|
| Test:U:24.00V I:0.1760A P:4.224W PF:0.9794 Freq:0Hz Lamp Flux:346.65x1 lm |                     |                  |
| NAME: DA6962412NO   | TYPE:               | WEIGHT:          |
| SPEC.:DA6962412NO-0RGBSWWDA012WC0500-G                                    | DIM.: 1000*12*1.5mm | SERIAL No.:01    |
| MFR.: Colors  | SUR.:1000*12        | Shielding Angle: |

Table--1

UNIT: cd

| C(DEG)<br>g (DEG) | 0    | 90    | 180  | 270  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-------------------|------|-------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 0                 | 94.5 | 94.5  | 94.5 | 94.5 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5                 | 94.3 | 96.1  | 94.4 | 93.1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10                | 94.2 | 97.5  | 94.2 | 91.5 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 15                | 94.1 | 98.6  | 93.7 | 89.4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 20                | 93.9 | 99.4  | 92.9 | 86.9 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 25                | 93.5 | 100.0 | 91.6 | 83.9 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30                | 92.8 | 100   | 89.4 | 80.1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 35                | 91.7 | 99.4  | 86.3 | 74.9 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 40                | 90.1 | 97.5  | 82.0 | 68.7 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 45                | 87.6 | 94.2  | 76.2 | 61.7 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 50                | 83.8 | 87.7  | 68.8 | 54.3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 55                | 78.8 | 80.5  | 59.7 | 46.8 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 60                | 72.3 | 70.6  | 49.5 | 39.5 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 65                | 64.3 | 59.5  | 38.3 | 32.5 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 70                | 55.1 | 46.5  | 26.7 | 25.9 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 75                | 44.6 | 32.6  | 15.3 | 19.4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 80                | 33.4 | 20.2  | 6.11 | 13.0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 85                | 22.2 | 10.6  | 1.12 | 7.03 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 90                | 12.0 | 0.65  | 0.23 | 1.89 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 95                | 4.91 | 0.07  | 0.19 | 0.19 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 100               | 0.71 | 0.10  | 0.23 | 0.21 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 105               | 0.14 | 0.13  | 0.27 | 0.25 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 110               | 0.17 | 0.15  | 0.31 | 0.29 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 115               | 0.20 | 0.19  | 0.34 | 0.34 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 120               | 0.24 | 0.23  | 0.38 | 0.36 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 125               | 0.29 | 0.26  | 0.41 | 0.39 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 130               | 0.34 | 0.30  | 0.43 | 0.43 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 135               | 0.35 | 0.32  | 0.45 | 0.44 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 140               | 0.39 | 0.35  | 0.46 | 0.46 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 145               | 0.39 | 0.38  | 0.48 | 0.49 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 150               | 0.44 | 0.41  | 0.49 | 0.49 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 155               | 0.44 | 0.43  | 0.51 | 0.49 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 160               | 0.46 | 0.45  | 0.51 | 0.50 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 165               | 0.49 | 0.47  | 0.51 | 0.50 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 170               | 0.49 | 0.49  | 0.51 | 0.50 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 175               | 0.49 | 0.50  | 0.51 | 0.50 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 180               | 0.52 | 0.50  | 0.50 | 0.50 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:COLORS  
Test Date:2018-11-30

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.500m [K=1.0000]  
Remarks: