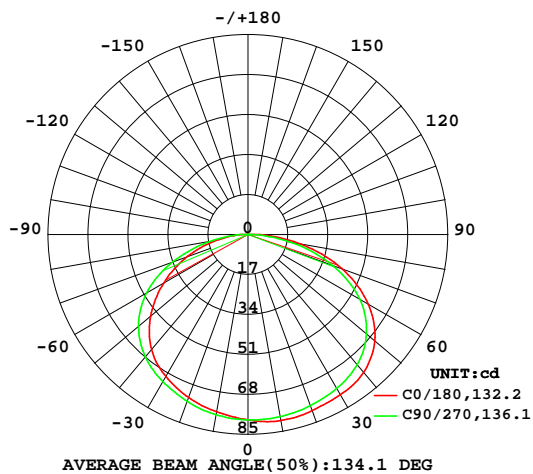


## LUMINAIRE PHOTOMETRIC TEST REPORT

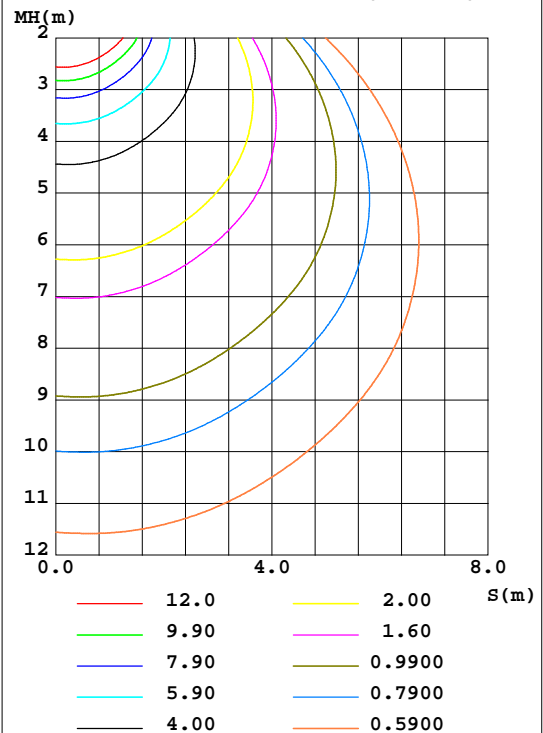
|   |                    |                  |
|---|--------------------|------------------|
| Test:U:24.00V I:0.3140A P:7.536W PF:1.000 Freq:0Hz Lamp Flux:294.912x1 lm |                    |                  |
| NAME: DA1202405NO   | TYPE:              | WEIGHT:          |
| SPEC.:DA1202405NO-0RGBNDA012WC0500  | DIM.: 1000*5*1.5MM | SERIAL No.:01    |
| MFR.: Colors  | SUR.:1000*5MM      | Shielding Angle: |

| DATA OF LAMP     |             | PHOTOMETRIC DATA Eff: 39.13 lm/W |        |                   |          |
|------------------|-------------|----------------------------------|--------|-------------------|----------|
| MODEL            | DA1202405NO | I <sub>max</sub> (cd)            | 80.36  | S/MH(C0/180)      | 1.33     |
| NOMINAL POWER(W) | 7.5         | LOR(%)                           | 100.0  | S/MH(C90/270)     | 1.38     |
| RATED VOLTAGE(V) | 24          | TOTAL FLUX(lm)                   | 294.91 | h UP,DN(C0-180)   | 0.3,53.7 |
| NOMINAL FLUX(lm) | 294.912     | CIE CLASS                        | DIRECT | h UP,DN(C180-360) | 0.3,45.7 |
| LAMPS INSIDE     | 1           | h up(%)                          | 0.6    | CIBSE SHR NOM     | 1.50     |
| TEST VOLTAGE(V)  | 24          | h down(%)                        | 99.4   | 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:2018-12-21

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:

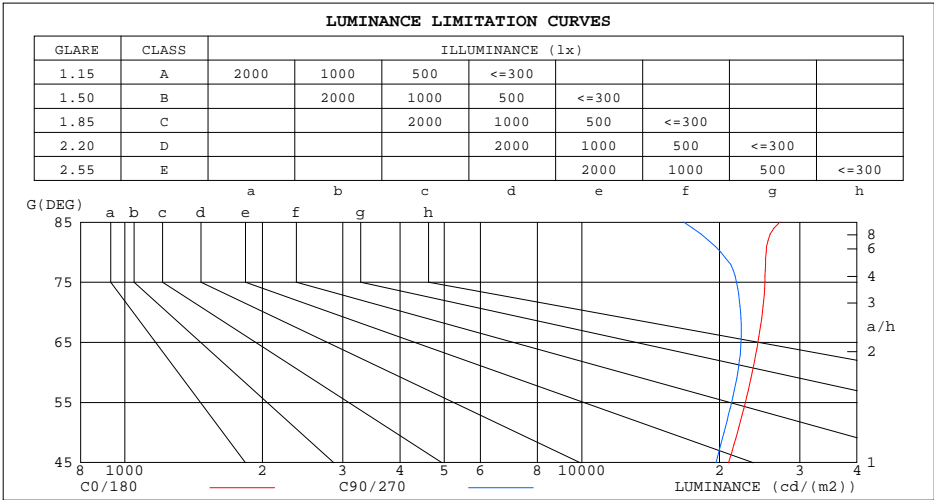
| g   | C0                    | C90    | C180   | C270   |  |  |  |  | g       | F zone  | F total | %lum,lamp |
|-----|-----------------------|--------|--------|--------|--|--|--|--|---------|---------|---------|-----------|
| 10  | 80.33                 | 78.64  | 76.54  | 77.82  |  |  |  |  | 0~ 10   | 7.503   | 7.503   | 2.54,2.54 |
| 20  | 79.70                 | 77.49  | 73.79  | 75.52  |  |  |  |  | 10~ 20  | 21.97   | 29.48   | 9.99,9.99 |
| 30  | 78.63                 | 75.53  | 69.80  | 72.32  |  |  |  |  | 20~ 30  | 34.85   | 64.33   | 21.8,21.8 |
| 40  | 76.52                 | 72.26  | 63.84  | 67.94  |  |  |  |  | 30~ 40  | 45.39   | 109.7   | 37.2,37.2 |
| 50  | 70.40                 | 65.78  | 54.09  | 60.75  |  |  |  |  | 40~ 50  | 51.63   | 161.3   | 54.7,54.7 |
| 60  | 58.97                 | 54.83  | 41.45  | 49.85  |  |  |  |  | 50~ 60  | 51.36   | 212.7   | 72.1,72.1 |
| 70  | 42.47                 | 38.05  | 27.41  | 34.04  |  |  |  |  | 60~ 70  | 43.29   | 256.0   | 86.8,86.8 |
| 80  | 21.98                 | 17.49  | 12.70  | 15.53  |  |  |  |  | 70~ 80  | 27.77   | 283.8   | 96.2,96.2 |
| 90  | 3.878                 | 0.5126 | 1.455  | 1.861  |  |  |  |  | 80~ 90  | 9.347   | 293.1   | 99.4,99.4 |
| 100 | 0.0815                | 0.1191 | 0.1567 | 0.1283 |  |  |  |  | 90~100  | 0.4545  | 293.6   | 99.5,99.5 |
| 110 | 0.1191                | 0.1787 | 0.2195 | 0.1848 |  |  |  |  | 100~110 | 0.1535  | 293.7   | 99.6,99.6 |
| 120 | 0.1785                | 0.2351 | 0.2852 | 0.2444 |  |  |  |  | 110~120 | 0.2041  | 293.9   | 99.7,99.7 |
| 130 | 0.2319                | 0.2883 | 0.3322 | 0.2852 |  |  |  |  | 120~130 | 0.2335  | 294.2   | 99.7,99.7 |
| 140 | 0.2787                | 0.3227 | 0.3666 | 0.3383 |  |  |  |  | 130~140 | 0.2344  | 294.4   | 99.8,99.8 |
| 150 | 0.3007                | 0.3604 | 0.3855 | 0.3415 |  |  |  |  | 140~150 | 0.2100  | 294.6   | 99.9,99.9 |
| 160 | 0.3447                | 0.3760 | 0.3948 | 0.3541 |  |  |  |  | 150~160 | 0.1670  | 294.8   | 100,100   |
| 170 | 0.3572                | 0.3855 | 0.3948 | 0.3948 |  |  |  |  | 160~170 | 0.1065  | 294.9   | 100,100   |
| 180 | 0.3980                | 0.3948 | 0.3948 | 0.3948 |  |  |  |  | 170~180 | 0.0373  | 294.9   | 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:2018-12-21

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:0.3140A P:7.536W PF:1.000 Freq:0Hz Lamp Flux:294.912x1 lm |                    |                  |
| NAME: DA1202405NO   | TYPE:              | WEIGHT:          |
| SPEC.:DA1202405NO-0RGBNDA012WC0500  | DIM.: 1000*5*1.5MM | SERIAL No.:01    |
| MFR.: Colors  | SUR.:1000*5MM      | Shielding Angle: |



| LUMINANCE cd/(m2) |        |         |
|-------------------|--------|---------|
| G(180)            | C0/180 | C90/270 |
| 85                | 27155  | 16716   |
| 80                | 25310  | 20149   |
| 75                | 25153  | 21803   |
| 70                | 24835  | 22251   |
| 65                | 24274  | 22294   |
| 60                | 23590  | 21932   |
| 55                | 22794  | 21260   |
| 50                | 21904  | 20466   |
| 45                | 20934  | 19664   |

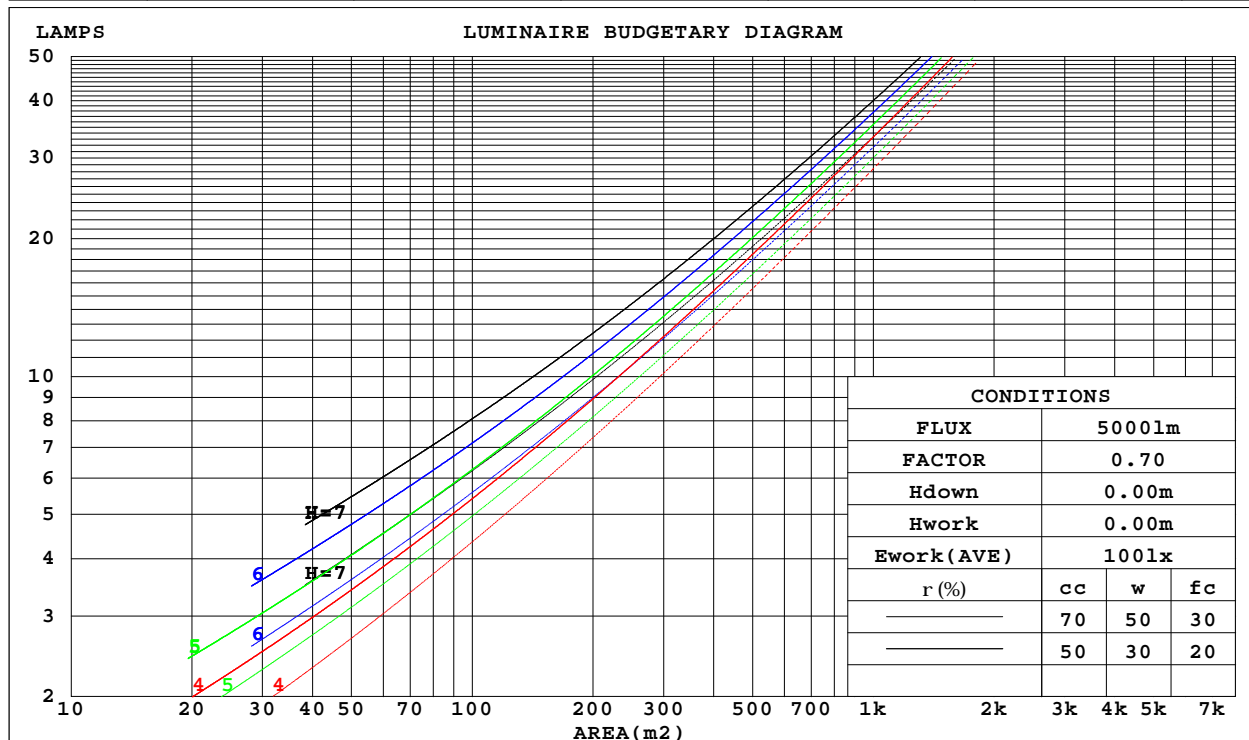
C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:COLORS  
Test Date:2018-12-21

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:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|   |                    |                  |
|---|--------------------|------------------|
| Test:U:24.00V I:0.3140A P:7.536W PF:1.000 Freq:0Hz Lamp Flux:294.912x1 lm |                    |                  |
| NAME: DA1202405NO   | TYPE:              | WEIGHT:          |
| SPEC.:DA1202405NO-0RGBNDA012WC0500  | DIM.: 1000*5*1.5MM | SERIAL No.:01    |
| MFR.: Colors  | SUR.:1000*5MM      | 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 <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  | .99  | .95  | .91  | .95                             | .91  | .88  | .91  | .88  | .85  | .87  | .85  | .83  | .80 |
| 2.0             | .87                   | .80  | .74  | .85  | .79  | .73  | .82                             | .76  | .71  | .78  | .73  | .69  | .75  | .71  | .67  | .65 |
| 3.0             | .76                   | .67  | .60  | .74  | .66  | .59  | .71                             | .64  | .58  | .68  | .62  | .57  | .65  | .60  | .56  | .54 |
| 4.0             | .67                   | .57  | .50  | .65  | .56  | .49  | .62                             | .55  | .49  | .60  | .53  | .48  | .58  | .52  | .47  | .45 |
| 5.0             | .59                   | .49  | .42  | .58  | .49  | .42  | .55                             | .48  | .41  | .53  | .46  | .41  | .51  | .45  | .40  | .38 |
| 6.0             | .53                   | .43  | .36  | .52  | .43  | .36  | .50                             | .42  | .36  | .48  | .41  | .35  | .46  | .40  | .35  | .33 |
| 7.0             | .48                   | .38  | .32  | .47  | .38  | .32  | .45                             | .37  | .31  | .43  | .36  | .31  | .42  | .36  | .31  | .29 |
| 8.0             | .43                   | .34  | .28  | .42  | .34  | .28  | .41                             | .33  | .28  | .40  | .33  | .27  | .38  | .32  | .27  | .25 |
| 9.0             | .39                   | .31  | .25  | .39  | .31  | .25  | .38                             | .30  | .25  | .36  | .30  | .25  | .35  | .29  | .24  | .22 |
| 10.0            | .36                   | .28  | .23  | .36  | .28  | .22  | .35                             | .27  | .22  | .34  | .27  | .22  | .33  | .26  | .22  | .20 |



C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:COLORS  
Test Date:2018-12-21

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:0.3140A P:7.536W PF:1.000 Freq:0Hz Lamp Flux:294.912x1 lm |                    |                  |
| NAME: DA1202405NO   | TYPE:              | WEIGHT:          |
| SPEC.:DA1202405NO-0RGBNDA012WC0500  | DIM.: 1000*5*1.5MM | SERIAL No.:01    |
| MFR.: Colors  | SUR.:1000*5MM      | 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  | .346  | .196 | .062 | .338 | .193 | .061 | .324 | .186 | .059 | .312 | .180 | .058 | .300 | .174 | .056 |   |
| 2.0  | .319  | .175 | .054 | .312 | .172 | .053 | .300 | .167 | .052 | .289 | .162 | .051 | .278 | .157 | .050 |   |
| 3.0  | .292  | .155 | .046 | .286 | .153 | .046 | .275 | .149 | .045 | .265 | .145 | .044 | .255 | .141 | .044 |   |
| 4.0  | .266  | .138 | .041 | .261 | .137 | .040 | .252 | .133 | .040 | .243 | .130 | .039 | .234 | .127 | .039 |   |
| 5.0  | .244  | .125 | .036 | .240 | .123 | .036 | .231 | .120 | .035 | .223 | .118 | .035 | .216 | .115 | .035 |   |
| 6.0  | .225  | .113 | .032 | .221 | .112 | .032 | .214 | .109 | .032 | .206 | .107 | .032 | .200 | .105 | .031 |   |
| 7.0  | .209  | .103 | .029 | .205 | .102 | .029 | .198 | .100 | .029 | .192 | .098 | .029 | .186 | .096 | .028 |   |
| 8.0  | .194  | .095 | .027 | .191 | .094 | .027 | .185 | .092 | .026 | .179 | .091 | .026 | .173 | .089 | .026 |   |
| 9.0  | .181  | .088 | .024 | .178 | .087 | .024 | .173 | .085 | .024 | .167 | .084 | .024 | .162 | .083 | .024 |   |
| 10.0 | .170  | .081 | .023 | .167 | .081 | .023 | .162 | .079 | .022 | .157 | .078 | .022 | .153 | .077 | .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  | .195   | .195 | .195 | .167 | .167 | .167 | .114 | .114 | .114 | .065 | .065 | .065 | .021 | .021 | .021 |   |
| 1.0  | .187   | .161 | .136 | .160 | .138 | .117 | .110 | .095 | .081 | .063 | .055 | .047 | .020 | .018 | .015 |   |
| 2.0  | .181   | .137 | .099 | .155 | .118 | .086 | .106 | .081 | .060 | .061 | .047 | .035 | .020 | .015 | .011 |   |
| 3.0  | .173   | .119 | .076 | .149 | .103 | .066 | .102 | .071 | .046 | .059 | .042 | .027 | .019 | .014 | .009 |   |
| 4.0  | .166   | .106 | .061 | .142 | .092 | .053 | .098 | .064 | .037 | .057 | .037 | .022 | .018 | .012 | .007 |   |
| 5.0  | .158   | .096 | .050 | .136 | .083 | .043 | .094 | .058 | .031 | .054 | .034 | .018 | .017 | .011 | .006 |   |
| 6.0  | .151   | .088 | .042 | .130 | .076 | .037 | .090 | .053 | .026 | .052 | .031 | .015 | .017 | .010 | .005 |   |
| 7.0  | .144   | .081 | .037 | .124 | .070 | .032 | .086 | .049 | .023 | .050 | .029 | .013 | .016 | .009 | .004 |   |
| 8.0  | .137   | .075 | .032 | .118 | .065 | .028 | .082 | .046 | .020 | .048 | .027 | .012 | .015 | .009 | .004 |   |
| 9.0  | .131   | .070 | .029 | .113 | .061 | .025 | .078 | .043 | .018 | .045 | .025 | .011 | .015 | .008 | .004 |   |
| 10.0 | .125   | .066 | .027 | .108 | .057 | .023 | .075 | .040 | .016 | .044 | .024 | .010 | .014 | .008 | .003 |   |

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:COLORS  
Test Date:2018-12-21

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:0.3140A P:7.536W PF:1.000 Freq:0Hz Lamp Flux:294.912x1 lm |                  |      |      |      |                    |                |      |                  |      |      |      |
| NAME: DA1202405NO   |                  |      |      |      | TYPE:              |                |      | WEIGHT:          |      |      |      |
| SPEC.:DA1202405NO-0RGBNDA012WC0500  |                  |      |      |      | DIM.: 1000*5*1.5MM |                |      | SERIAL No.:01    |      |      |      |
| MFR.: Colors  |                  |      |      |      | SUR.:1000*5MM      |                |      | 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   | 28.6             | 30.2 | 28.9 | 30.4 | 30.7               | 28.3           | 29.9 | 28.6             | 30.1 | 30.4 |      |
|   | 30.6             | 32.1 | 31.0 | 32.4 | 32.7               | 30.2           | 31.7 | 30.6             | 32.0 | 32.2 |      |
|   | 31.5             | 33.0 | 31.9 | 33.2 | 33.5               | 31.0           | 32.5 | 31.4             | 32.7 | 33.0 |      |
|   | 32.3             | 33.6 | 32.6 | 33.9 | 34.2               | 31.6           | 33.0 | 32.0             | 33.3 | 33.6 |      |
|   | 32.5             | 33.9 | 32.9 | 34.2 | 34.5               | 31.8           | 33.1 | 32.2             | 33.4 | 33.7 |      |
|   | 32.8             | 34.0 | 33.1 | 34.3 | 34.7               | 31.9           | 33.2 | 32.3             | 33.5 | 33.8 |      |
| 4H  | 2H               | 29.3 | 30.8 | 29.7 | 31.0               | 31.3           | 29.1 | 30.5             | 29.5 | 30.8 | 31.1 |
|   | 3H               | 31.5 | 32.8 | 31.9 | 33.1               | 33.4           | 31.2 | 32.5             | 31.6 | 32.8 | 33.1 |
|   | 4H               | 32.6 | 33.7 | 33.0 | 34.1               | 34.4           | 32.2 | 33.3             | 32.5 | 33.6 | 34.0 |
|   | 6H               | 33.4 | 34.5 | 33.9 | 34.8               | 35.2           | 32.9 | 33.9             | 33.3 | 34.3 | 34.7 |
|   | 8H               | 33.8 | 34.8 | 34.2 | 35.1               | 35.5           | 33.1 | 34.1             | 33.6 | 34.5 | 34.9 |
|   | 12H              | 34.1 | 35.0 | 34.5 | 35.4               | 35.8           | 33.3 | 34.2             | 33.7 | 34.6 | 35.0 |
| 8H  | 4H               | 32.9 | 33.9 | 33.3 | 34.3               | 34.7           | 32.6 | 33.5             | 33.0 | 33.9 | 34.3 |
|   | 6H               | 34.0 | 34.8 | 34.4 | 35.2               | 35.6           | 33.5 | 34.3             | 33.9 | 34.7 | 35.1 |
|   | 8H               | 34.4 | 35.1 | 34.9 | 35.6               | 36.0           | 33.8 | 34.5             | 34.3 | 35.0 | 35.4 |
|   | 12H              | 34.8 | 35.5 | 35.3 | 35.9               | 36.4           | 34.1 | 34.7             | 34.6 | 35.1 | 35.6 |
| 12H   | 4H               | 32.9 | 33.8 | 33.4 | 34.2               | 34.7           | 32.6 | 33.5             | 33.0 | 33.9 | 34.3 |
|   | 6H               | 34.1 | 34.8 | 34.5 | 35.2               | 35.7           | 33.6 | 34.3             | 34.1 | 34.7 | 35.2 |
|   | 8H               | 34.6 | 35.2 | 35.1 | 35.6               | 36.1           | 34.0 | 34.6             | 34.5 | 35.1 | 35.5 |
| 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, 294.9 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -4.2)

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:COLORS  
Test Date:2018-12-21

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:0.3140A P:7.536W PF:1.000 Freq:0Hz Lamp Flux:294.912x1 lm |                    |                  |
| NAME: DA1202405NO   | TYPE:              | WEIGHT:          |
| SPEC.:DA1202405NO-0RGBNDA012WC0500  | DIM.: 1000*5*1.5MM | SERIAL No.:01    |
| MFR.: Colors  | SUR.:1000*5MM      | Shielding Angle: |

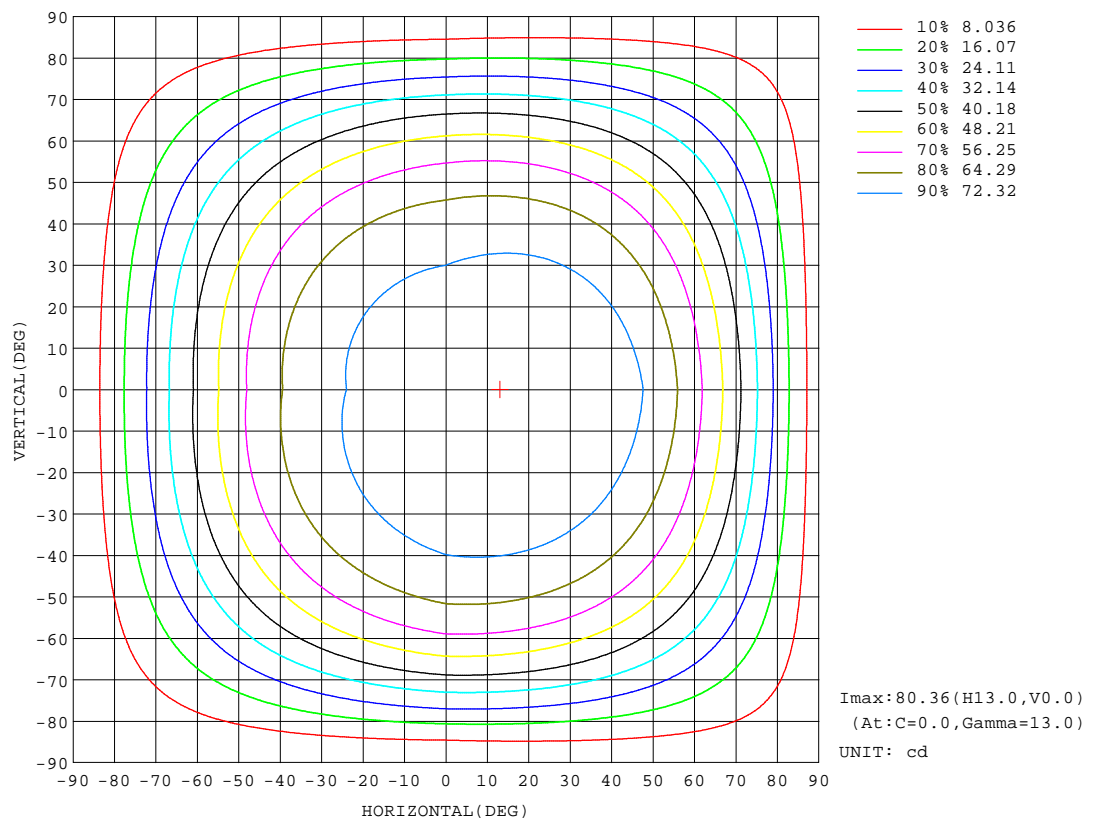
| REFLECTANCE                      |   |     |           |     |     |     |     |               |     |        |
|----------------------------------|---|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling                          | 0.8   | 0.8 | 0.8       | 0.7 | 0.7 | 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) $k(RI) \times RCR = 5$ |     |           |     |     |     |     |               |     |        |
| $k = 0.60$                       | 53  | 41  | 34        | 53  | 41  | 33  | 51  | 40            | 33  | 26     |
| 0.80                             | 63  | 51  | 43        | 62  | 50  | 43  | 60  | 49            | 42  | 35     |
| 1.00                             | 72  | 60  | 52        | 71  | 59  | 52  | 68  | 61            | 51  | 43     |
| 1.25                             | 79  | 68  | 60        | 78  | 67  | 59  | 75  | 65            | 59  | 51     |
| 1.50                             | 84  | 74  | 66        | 83  | 73  | 65  | 79  | 71            | 64  | 56     |
| 2.00                             | 92  | 82  | 75        | 90  | 81  | 74  | 86  | 79            | 73  | 64     |
| 2.50                             | 96  | 88  | 81        | 94  | 86  | 80  | 90  | 83            | 78  | 69     |
| 3.00                             | 100   | 92  | 86        | 98  | 91  | 85  | 93  | 87            | 83  | 74     |
| 4.00                             | 104   | 98  | 93        | 102 | 96  | 91  | 97  | 93            | 88  | 79     |
| 5.00                             | 107   | 102 | 97        | 104 | 100 | 95  | 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:2018-12-21

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:0.3140A P:7.536W PF:1.000 Freq:0Hz Lamp Flux:294.912x1 lm |                    |                  |
| NAME: DA1202405NO   | TYPE:              | WEIGHT:          |
| SPEC.:DA1202405NO-0RGBNDA012WC0500  | DIM.: 1000*5*1.5MM | SERIAL No.:01    |
| MFR.: Colors  | SUR.:1000*5MM      | Shielding Angle: |



C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:COLORS  
Test Date:2018-12-21

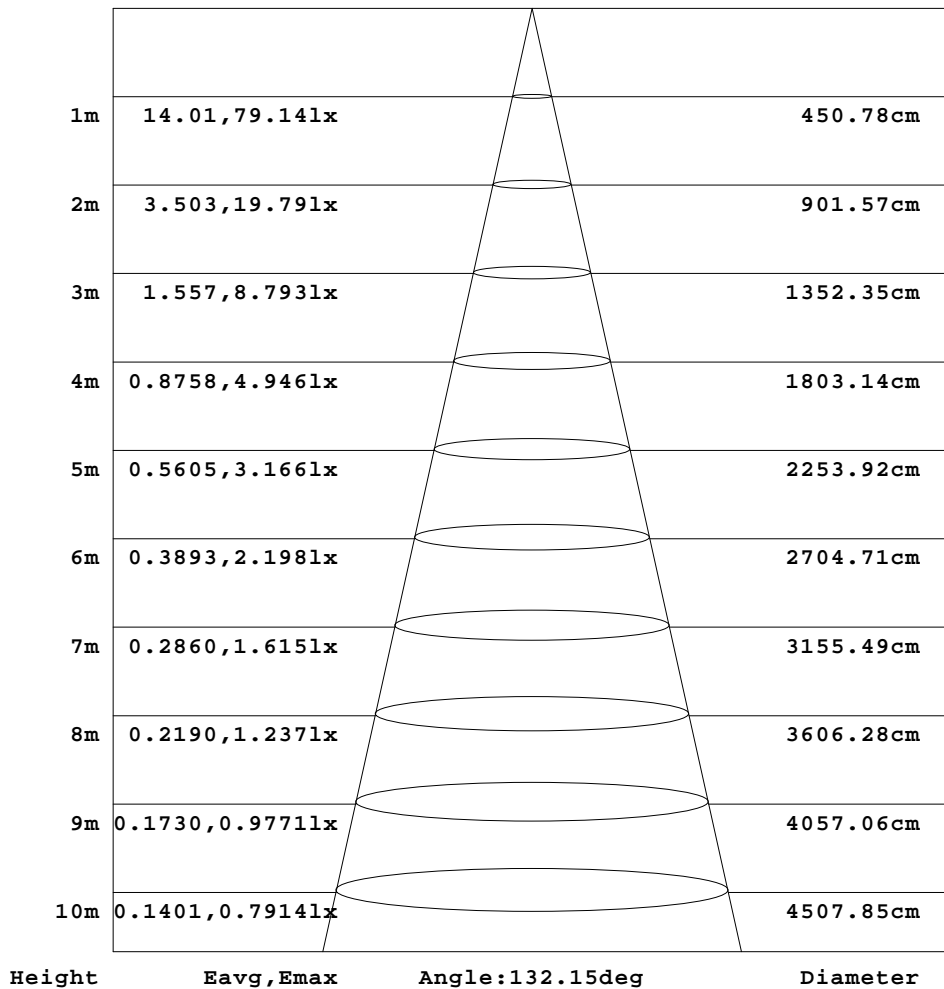
Range: 0 - 180DEG  
Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.500m [K=1.0000]  
Remarks:



### AAI Figure

|   |                    |                  |
|---|--------------------|------------------|
| Test:U:24.00V I:0.3140A P:7.536W PF:1.000 Freq:0Hz Lamp Flux:294.912x1 lm |                    |                  |
| NAME: DA1202405NO   | TYPE:              | WEIGHT:          |
| SPEC.:DA1202405NO-0RGBNDA012WC0500  | DIM.: 1000*5*1.5MM | SERIAL No.:01    |
| MFR.: Colors  | SUR.:1000*5MM      | Shielding Angle: |

Flux out:244.3 lm



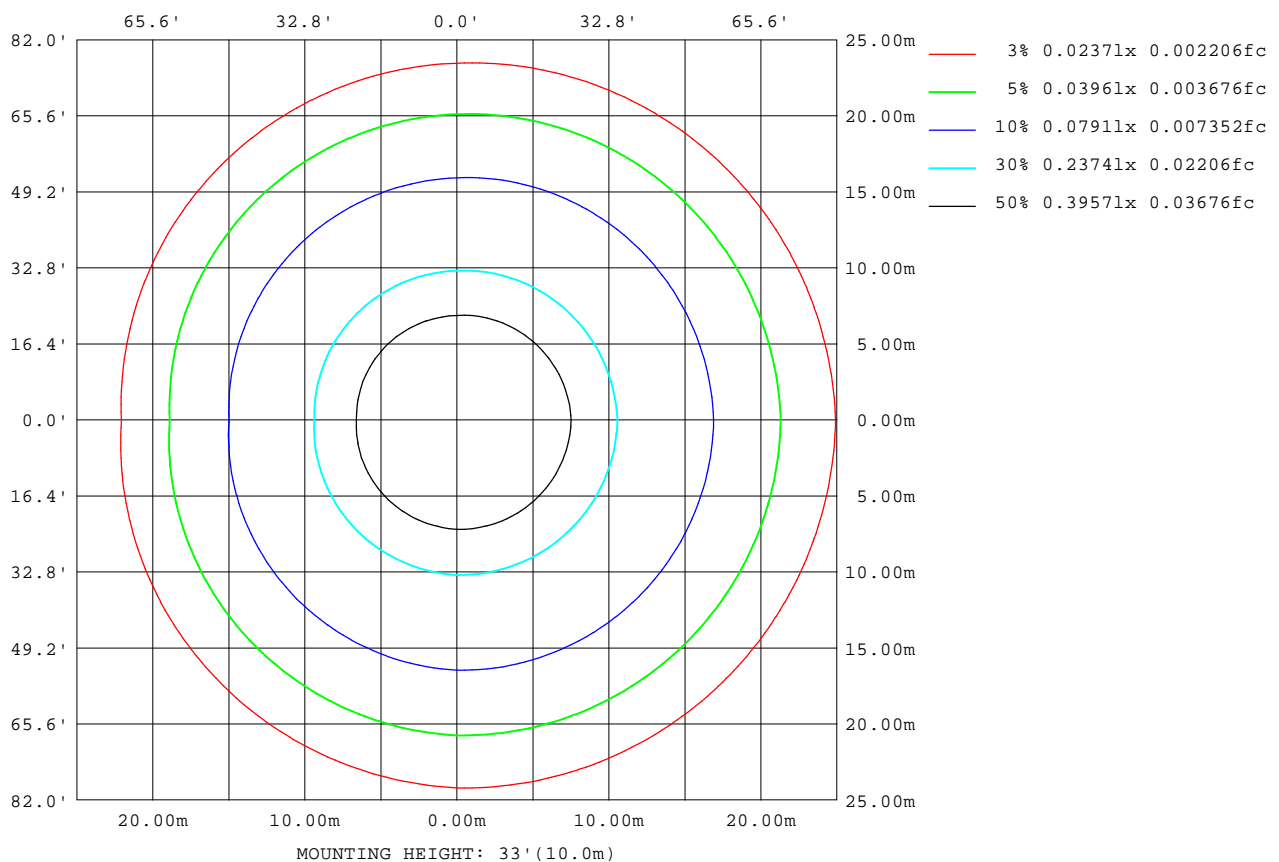
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:COLORS  
Test Date:2018-12-21

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:

## ISOLUX DIAGRAM

|   |                    |                  |
|---|--------------------|------------------|
| Test:U:24.00V I:0.3140A P:7.536W PF:1.000 Freq:0Hz Lamp Flux:294.912x1 lm |                    |                  |
| NAME: DA1202405NO   | TYPE:              | WEIGHT:          |
| SPEC.:DA1202405NO-0RGBNDA012WC0500  | DIM.: 1000*5*1.5MM | SERIAL No.:01    |
| MFR.: Colors  | SUR.:1000*5MM      | Shielding Angle: |



C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:COLORS  
Test Date:2018-12-21

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:0.3140A P:7.536W PF:1.000 Freq:0Hz Lamp Flux:294.912x1 lm |                    |                  |
| NAME: DA1202405NO   | TYPE:              | WEIGHT:          |
| SPEC.:DA1202405NO-0RGBNDA012WC0500  | DIM.: 1000*5*1.5MM | SERIAL No.:01    |
| MFR.: Colors  | SUR.:1000*5MM      | Shielding Angle: |

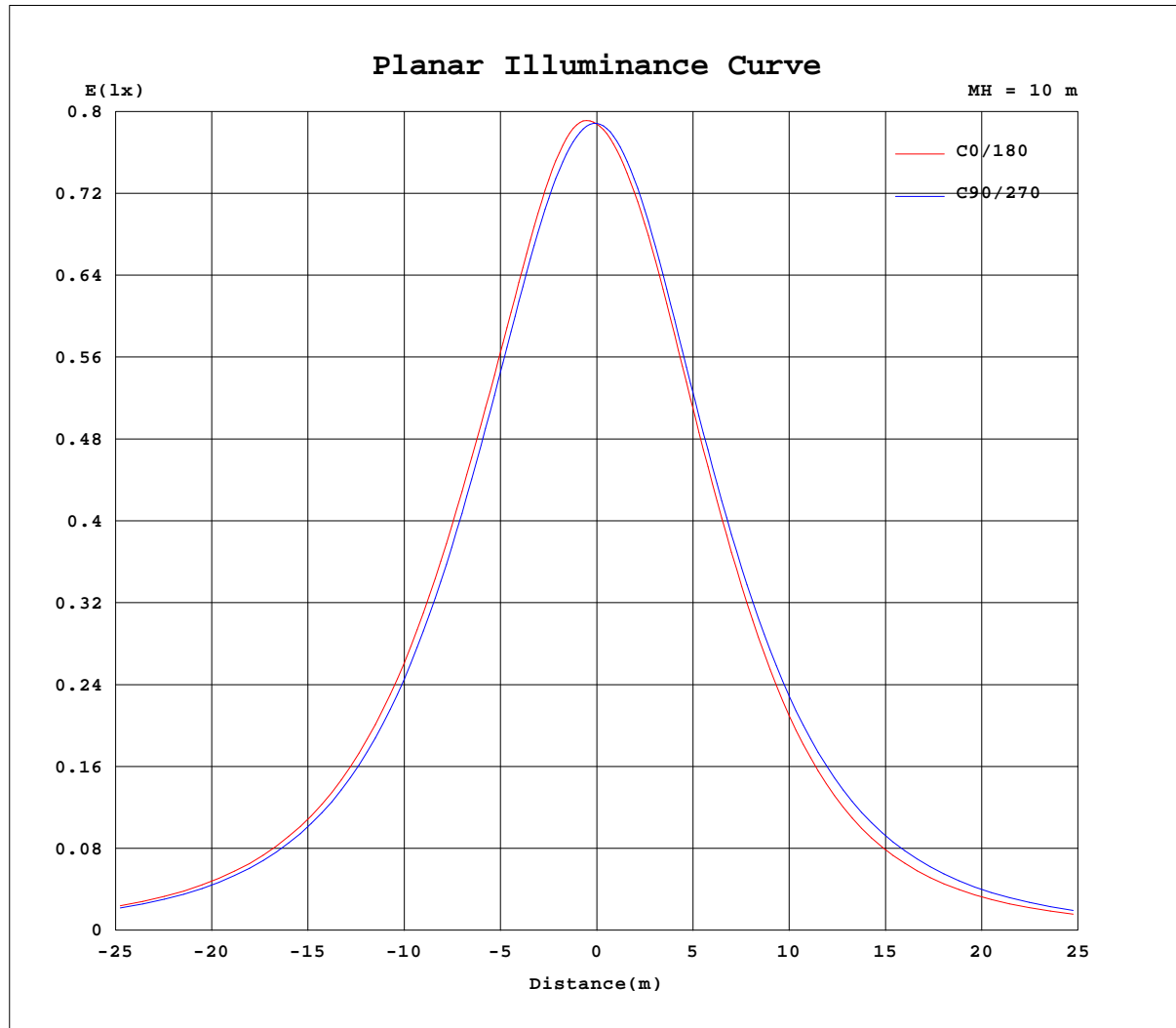
| AvgL           | cd/m2 |
|----------------|-------|
| L_0~180(65)av  | 20327 |
| L_0~180(75)av  | 20291 |
| L_0~180(85)av  | 20748 |
| L_90~270(65)av | 21205 |
| L_90~270(75)av | 20489 |
| L_90~270(85)av | 16711 |
| L_45(65)av     | 20629 |
| L_45(75)av     | 20111 |
| L_45(85)av     | 17824 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:COLORS  
Test Date:2018-12-21

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: 2018-12-21

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:0.3140A P:7.536W PF:1.000 Freq:0Hz Lamp Flux:294.912x1 lm |                    |                  |
| NAME: DA1202405NO   | TYPE:              | WEIGHT:          |
| SPEC.:DA1202405NO-0RGBNDA012WC0500  | DIM.: 1000*5*1.5MM | SERIAL No.:01    |
| MFR.: Colors  | SUR.:1000*5MM      | Shielding Angle: |

Table--1

UNIT: cd

| C(DEG)<br>g (DEG) | 0    | 90   | 180  | 270  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-------------------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 0                 | 78.8 | 78.9 | 78.8 | 78.9 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5                 | 79.9 | 78.9 | 77.7 | 78.5 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10                | 80.3 | 78.6 | 76.5 | 77.8 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 15                | 80.3 | 78.2 | 75.4 | 76.9 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 20                | 79.7 | 77.5 | 73.8 | 75.5 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 25                | 79.1 | 76.6 | 71.9 | 73.9 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30                | 78.6 | 75.5 | 69.8 | 72.3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 35                | 78.0 | 74.2 | 67.2 | 70.4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 40                | 76.5 | 72.3 | 63.8 | 67.9 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 45                | 74.0 | 69.5 | 59.4 | 64.8 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 50                | 70.4 | 65.8 | 54.1 | 60.8 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 55                | 65.4 | 61.0 | 48.0 | 55.8 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 60                | 59.0 | 54.8 | 41.5 | 49.8 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 65                | 51.3 | 47.1 | 34.6 | 42.5 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 70                | 42.5 | 38.1 | 27.4 | 34.0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 75                | 32.6 | 28.2 | 20.0 | 24.8 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 80                | 22.0 | 17.5 | 12.7 | 15.5 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 85                | 11.8 | 7.28 | 6.25 | 7.28 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 90                | 3.88 | 0.51 | 1.46 | 1.86 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 95                | 0.42 | 0.09 | 0.13 | 0.10 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 100               | 0.08 | 0.12 | 0.16 | 0.13 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 105               | 0.09 | 0.15 | 0.19 | 0.15 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 110               | 0.12 | 0.18 | 0.22 | 0.18 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 115               | 0.14 | 0.21 | 0.25 | 0.20 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 120               | 0.18 | 0.24 | 0.29 | 0.24 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 125               | 0.19 | 0.26 | 0.31 | 0.28 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 130               | 0.23 | 0.29 | 0.33 | 0.29 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 135               | 0.24 | 0.31 | 0.35 | 0.31 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 140               | 0.28 | 0.32 | 0.37 | 0.34 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 145               | 0.28 | 0.34 | 0.38 | 0.34 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 150               | 0.30 | 0.36 | 0.39 | 0.34 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 155               | 0.34 | 0.36 | 0.39 | 0.35 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 160               | 0.34 | 0.38 | 0.39 | 0.35 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 165               | 0.35 | 0.38 | 0.39 | 0.38 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 170               | 0.36 | 0.39 | 0.39 | 0.39 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 175               | 0.40 | 0.39 | 0.39 | 0.39 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 180               | 0.40 | 0.39 | 0.39 | 0.39 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:COLORS  
Test Date:2018-12-21

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: