

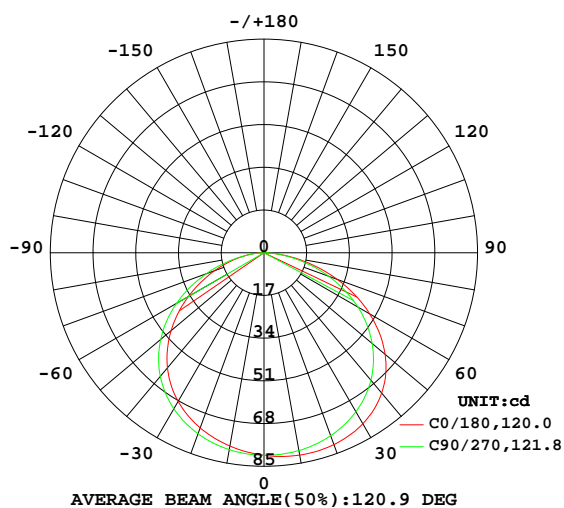
## LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:24.000V I:0.8282A P:19.880W PF:1.0000 Freq:0Hz UTHDi:0.00% ITHDi:0.00% Lamp Flux:258.324x1 lm

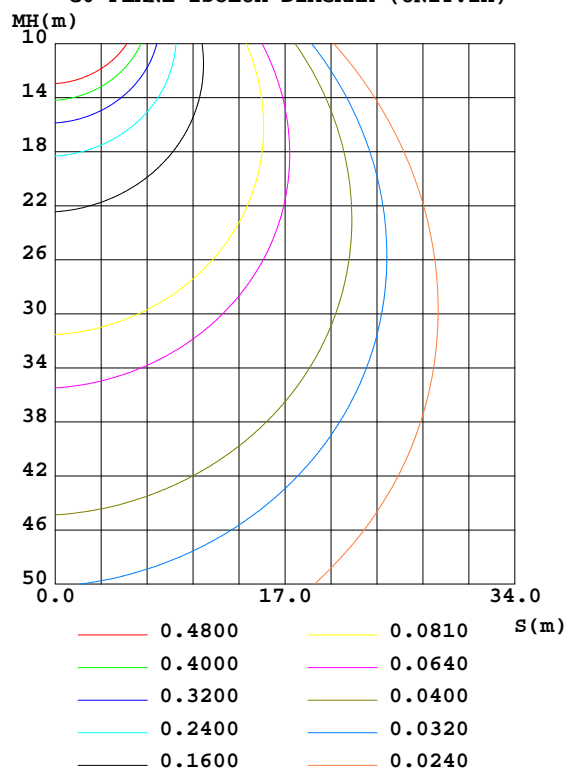
|                            |                |                  |
|----------------------------|----------------|------------------|
| NAME: LED-P10-1224-RGBWW-B | TYPE: LED Lamp | WEIGHT:          |
| SPEC.:                     | DIM.:          | SERIAL No.:      |
| MFR.: WAC Lighting         | SUR.:          | Shielding Angle: |

| DATA OF LAMP     |         | PHOTOMETRIC DATA Eff: 12.99 lm/W |        |                        |          |
|------------------|---------|----------------------------------|--------|------------------------|----------|
| MODEL            |         | Imax(cd)                         | 81.81  | S/MH(C0/180)           | 1.45     |
| NOMINAL POWER(W) |         | LOR(%)                           | 100.0  | S/MH(C90/270)          | 1.35     |
| RATED VOLTAGE(V) | 24      | TOTAL FLUX(lm)                   | 258.32 | $\eta$ UP,DN(C0-180)   | 0.0,48.4 |
| NOMINAL FLUX(lm) | 258.324 | CIE CLASS                        | DIRECT | $\eta$ UP,DN(C180-360) | 0.0,51.6 |
| LAMPS INSIDE     | 1       | $\eta$ up(%)                     | 0.0    | CIBSE SHR NOM          | 1.50     |
| TEST VOLTAGE(V)  | 24      | $\eta$ down(%)                   | 100.0  | CIBSE SHR MAX          | 1.55     |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Oliver  
 Test Date:2020-11-27

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.428  
 Humidity:65.0%  
 Test Distance:2.514m [K=1.0000]  
 Remarks:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

| $\gamma$ | C0                    | C45    | C90    | C135   | C180   | C225   | C270   | C315   | $\gamma$ | $\Phi$ zone | $\Phi$ total | %lum, lamp |
|----------|-----------------------|--------|--------|--------|--------|--------|--------|--------|----------|-------------|--------------|------------|
| 10       | 78.10                 | 78.43  | 79.56  | 81.00  | 81.78  | 81.32  | 79.93  | 78.70  | 0- 10    | 7.659       | 7.659        | 2.96,2.96  |
| 20       | 74.20                 | 74.64  | 76.70  | 79.76  | 81.25  | 80.51  | 77.50  | 75.28  | 10- 20   | 22.30       | 29.96        | 11.6,11.6  |
| 30       | 68.34                 | 69.03  | 71.71  | 76.46  | 78.59  | 77.82  | 73.10  | 70.03  | 20- 30   | 34.88       | 64.85        | 25.1,25.1  |
| 40       | 59.77                 | 61.06  | 64.19  | 70.45  | 72.88  | 72.36  | 66.21  | 62.36  | 30- 40   | 43.83       | 108.7        | 42.1,42.1  |
| 50       | 48.28                 | 50.30  | 53.67  | 60.52  | 62.92  | 62.99  | 56.19  | 51.88  | 40- 50   | 47.35       | 156.0        | 60.4,60.4  |
| 60       | 34.65                 | 36.65  | 40.14  | 46.38  | 48.51  | 49.17  | 43.17  | 38.59  | 50- 60   | 44.06       | 200.1        | 77.5,77.5  |
| 70       | 20.96                 | 21.51  | 24.45  | 29.03  | 30.99  | 31.87  | 27.38  | 23.32  | 60- 70   | 33.89       | 234.0        | 90.6,90.6  |
| 80       | 8.808                 | 7.887  | 9.182  | 12.01  | 12.82  | 13.94  | 11.29  | 9.365  | 70- 80   | 19.20       | 253.2        | 98,98      |
| 90       | 0.2509                | 0.0963 | 0.0364 | 0.1387 | 0.0555 | 0.5472 | 0.5588 | 0.6290 | 80- 90   | 5.122       | 258.3        | 100,100    |
| 100      | 0                     | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 90-100   | 0.0254      | 258.3        | 100,100    |
| 110      | 0                     | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 100-110  | 0           | 258.3        | 100,100    |
| 120      | 0                     | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 110-120  | 0           | 258.3        | 100,100    |
| 130      | 0                     | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 120-130  | 0           | 258.3        | 100,100    |
| 140      | 0                     | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 130-140  | 0           | 258.3        | 100,100    |
| 150      | 0                     | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 140-150  | 0           | 258.3        | 100,100    |
| 160      | 0                     | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 150-160  | 0           | 258.3        | 100,100    |
| 170      | 0                     | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 160-170  | 0           | 258.3        | 100,100    |
| 180      | 0                     | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 170-180  | 0           | 258.3        | 100,100    |
| DEG      | LUMINOUS INTENSITY:cd |        |        |        |        |        |        |        |          | UNIT:lm     |              |            |

Conical surface Flux(90deg): 132.31 lm

%lum = 51.2%

%lamp = 51.2%

Conical surface Flux(120deg): 200.08 lm

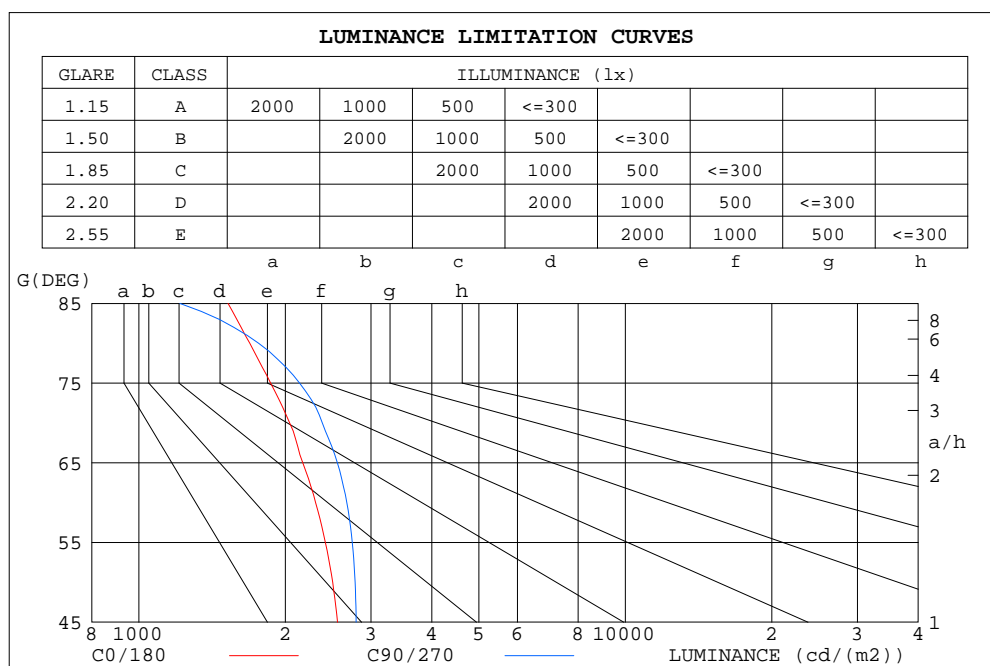
%lum = 77.5%

%lamp = 77.5%

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Oliver  
 Test Date:2020-11-27

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 $\gamma$  Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.428  
 Humidity:65.0%  
 Test Distance:2.514m [K=1.0000]  
 Remarks:

## LUMINANCE LIMITATION CURVES



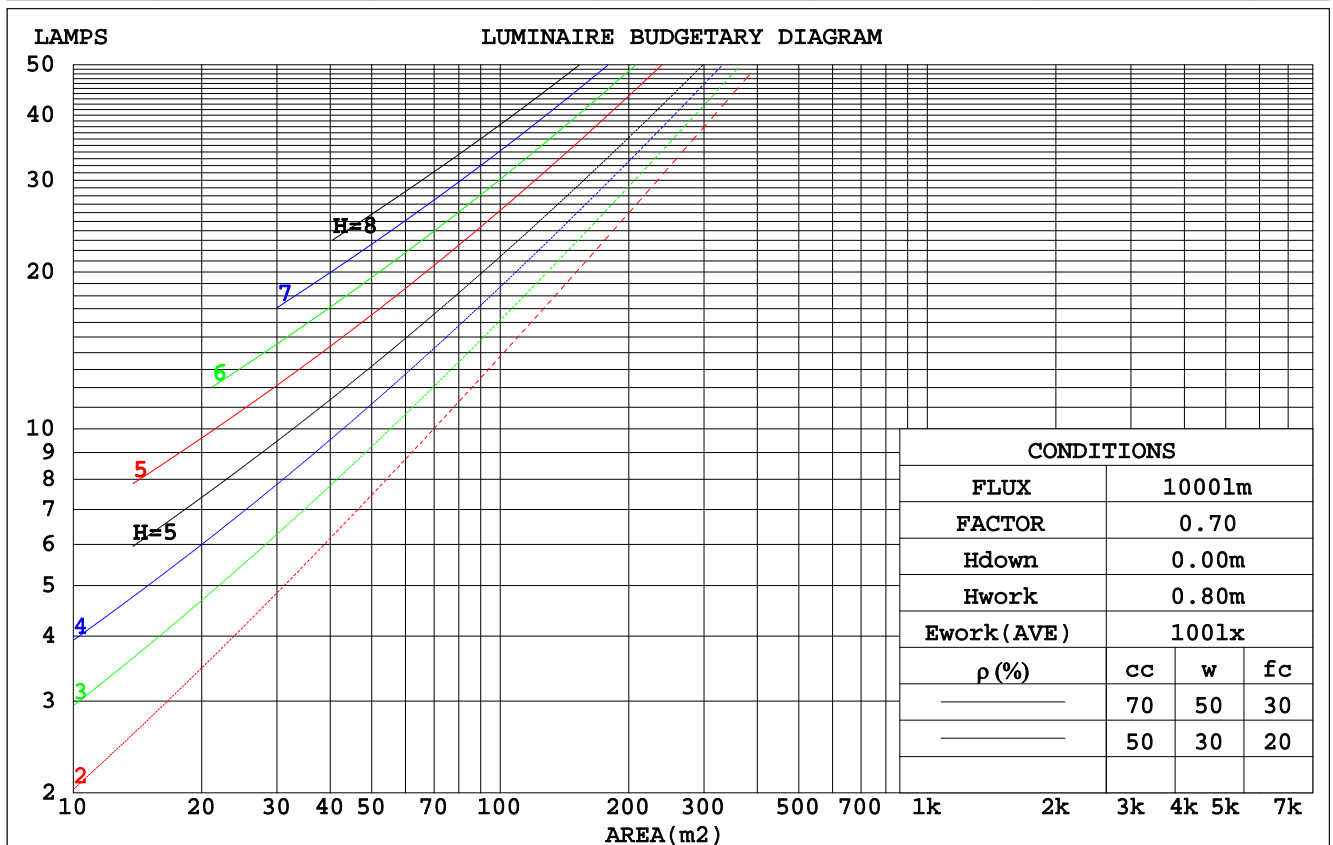
| LUMINANCE cd/(m2) |        |         |
|-------------------|--------|---------|
| G (DEG)           | C0/180 | C90/270 |
| 85                | 1525   | 1214    |
| 80                | 1690   | 1763    |
| 75                | 1865   | 2139    |
| 70                | 2042   | 2384    |
| 65                | 2173   | 2558    |
| 60                | 2309   | 2676    |
| 55                | 2417   | 2746    |
| 50                | 2502   | 2783    |
| 45                | 2560   | 2796    |

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Oliver  
 Test Date: 2020-11-27

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.428  
 Humidity: 65.0%  
 Test Distance: 2.514m [K=1.0000]  
 Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| pcc  | 80%                   |      |      | 70%  |      |      | 50%                             |      |      | 30%  |      |      | 10%  |      |      | 0   |
|------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|------|------|------|-----|
| pw   | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%                             | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0   |
| pfc  | 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 | 1.02 | 1.02 | 1.02 | .00 |
| 1.0  | 1.03                  | .99  | .95  | 1.01 | .97  | .94  | .97                             | .94  | .91  | .93  | .90  | .88  | .89  | .87  | .85  | .83 |
| 2.0  | .90                   | .83  | .77  | .88  | .81  | .76  | .84                             | .79  | .74  | .81  | .76  | .72  | .78  | .74  | .71  | .69 |
| 3.0  | .78                   | .70  | .63  | .77  | .69  | .63  | .74                             | .67  | .62  | .71  | .65  | .60  | .68  | .64  | .59  | .57 |
| 4.0  | .69                   | .60  | .53  | .68  | .59  | .53  | .65                             | .58  | .52  | .63  | .57  | .51  | .61  | .55  | .51  | .48 |
| 5.0  | .62                   | .52  | .46  | .60  | .52  | .45  | .58                             | .51  | .45  | .56  | .50  | .44  | .54  | .48  | .44  | .42 |
| 6.0  | .55                   | .46  | .39  | .54  | .46  | .39  | .52                             | .45  | .39  | .51  | .44  | .39  | .49  | .43  | .38  | .36 |
| 7.0  | .50                   | .41  | .35  | .49  | .41  | .35  | .48                             | .40  | .34  | .46  | .39  | .34  | .45  | .38  | .34  | .32 |
| 8.0  | .45                   | .37  | .31  | .45  | .36  | .31  | .43                             | .36  | .30  | .42  | .35  | .30  | .41  | .35  | .30  | .28 |
| 9.0  | .42                   | .33  | .28  | .41  | .33  | .28  | .40                             | .32  | .27  | .39  | .32  | .27  | .38  | .32  | .27  | .25 |
| 10.0 | .38                   | .30  | .25  | .38  | .30  | .25  | .37                             | .30  | .25  | .36  | .29  | .25  | .35  | .29  | .24  | .23 |



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Oliver  
 Test Date: 2020-11-27

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.428  
 Humidity: 65.0%  
 Test Distance: 2.514m [K=1.0000]  
 Remarks:

## WEC AND CCEC

| pcc  | 80%                   |      |      | 70%  |      |      | 50%                             |      |      | 30%  |      |      | 10%  |      |      | 0 |
|------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|------|------|------|---|
| ρw   | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%                             | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |
| ρfc  | 20%                   |      |      | 20%  |      |      | 20%                             |      |      | 20%  |      |      | 20%  |      |      | 0 |
| RCR  | RCR:Room Cavity Ratio |      |      |      |      |      | Wall Exitance Coefficients(WEC) |      |      |      |      |      |      |      |      |   |
| 0.0  |                       |      |      |      |      |      |                                 |      |      |      |      |      |      |      |      |   |
| 1.0  | .317                  | .180 | .057 | .310 | .177 | .056 | .297                            | .170 | .054 | .285 | .164 | .053 | .273 | .158 | .051 |   |
| 2.0  | .299                  | .164 | .050 | .292 | .161 | .050 | .281                            | .156 | .048 | .270 | .151 | .047 | .260 | .147 | .046 |   |
| 3.0  | .276                  | .147 | .044 | .270 | .145 | .044 | .260                            | .141 | .043 | .250 | .137 | .042 | .241 | .134 | .041 |   |
| 4.0  | .254                  | .132 | .039 | .250 | .131 | .039 | .240                            | .127 | .038 | .232 | .124 | .038 | .224 | .122 | .037 |   |
| 5.0  | .235                  | .120 | .035 | .231 | .118 | .034 | .222                            | .116 | .034 | .215 | .113 | .034 | .207 | .111 | .033 |   |
| 6.0  | .218                  | .109 | .031 | .214 | .108 | .031 | .206                            | .106 | .031 | .200 | .104 | .030 | .193 | .102 | .030 |   |
| 7.0  | .202                  | .100 | .028 | .199 | .099 | .028 | .192                            | .097 | .028 | .186 | .095 | .028 | .180 | .094 | .028 |   |
| 8.0  | .189                  | .092 | .026 | .186 | .091 | .026 | .180                            | .090 | .026 | .174 | .088 | .025 | .169 | .087 | .025 |   |
| 9.0  | .177                  | .085 | .024 | .174 | .085 | .024 | .169                            | .083 | .024 | .164 | .082 | .023 | .159 | .081 | .023 |   |
| 10.0 | .166                  | .080 | .022 | .163 | .079 | .022 | .159                            | .078 | .022 | .154 | .077 | .022 | .150 | .075 | .022 |   |

| ρcc  | 80%                   |      |      | 70%  |      |      | 50%  |      |      | 30%  |      |      | 10%  |      |      | 0 |
|------|-----------------------|------|------|------|------|------|--|------|------|------|------|------|------|------|------|---|
| ρw   | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |
| ρfc  | 20%                   |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 0 |
| RCR  | RCR:Room Cavity Ratio |      |      |      |      |      | Ceiling Cavity Exitance Coefficients(CCEC) |      |      |      |      |      |      |      |      |   |
| 0.0  | .191                  | .191 | .191 | .163 | .163 | .163 | .111                                       | .111 | .111 | .064 | .064 | .064 | .020 | .020 | .020 |   |
| 1.0  | .181                  | .156 | .134 | .155 | .134 | .115 | .106                                       | .092 | .080 | .061 | .053 | .046 | .020 | .017 | .015 |   |
| 2.0  | .173                  | .132 | .097 | .148 | .114 | .084 | .102                                       | .079 | .059 | .059 | .046 | .034 | .019 | .015 | .011 |   |
| 3.0  | .166                  | .114 | .074 | .142 | .099 | .064 | .098                                       | .069 | .045 | .056 | .040 | .026 | .018 | .013 | .009 |   |
| 4.0  | .158                  | .101 | .058 | .136 | .087 | .050 | .093                                       | .061 | .035 | .054 | .036 | .021 | .017 | .012 | .007 |   |
| 5.0  | .151                  | .091 | .047 | .130 | .079 | .041 | .089                                       | .055 | .029 | .052 | .032 | .017 | .017 | .011 | .006 |   |
| 6.0  | .144                  | .083 | .039 | .123 | .071 | .034 | .085                                       | .050 | .024 | .049 | .029 | .014 | .016 | .010 | .005 |   |
| 7.0  | .137                  | .076 | .033 | .118 | .066 | .029 | .081                                       | .046 | .020 | .047 | .027 | .012 | .015 | .009 | .004 |   |
| 8.0  | .130                  | .070 | .028 | .112 | .061 | .025 | .078                                       | .043 | .018 | .045 | .025 | .010 | .015 | .008 | .003 |   |
| 9.0  | .124                  | .065 | .025 | .107 | .056 | .022 | .074                                       | .040 | .015 | .043 | .023 | .009 | .014 | .008 | .003 |   |
| 10.0 | .118                  | .061 | .022 | .102 | .053 | .019 | .071                                       | .037 | .014 | .041 | .022 | .008 | .013 | .007 | .003 |   |

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Oliver  
 Test Date: 2020-11-27

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.428  
 Humidity: 65.0%  
 Test Distance: 2.514m [K=1.0000]  
 Remarks:

UGR(Unified Glare Rating) Table

|   |                  |      |      |      |      |                |      |      |      |      |
|---|------------------|------|------|------|------|----------------|------|------|------|------|
| 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   | 15.6             | 17.1 | 15.8 | 17.3 | 17.5 | 16.1           | 17.7 | 16.4 | 17.9 | 18.1 |
| 3H  | 17.0             | 18.4 | 17.3 | 18.6 | 18.9 | 17.6           | 19.1 | 17.9 | 19.3 | 19.5 |
| 4H  | 17.5             | 18.9 | 17.8 | 19.1 | 19.4 | 18.2           | 19.6 | 18.5 | 19.8 | 20.1 |
| 6H  | 17.9             | 19.2 | 18.2 | 19.4 | 19.7 | 18.5           | 19.8 | 18.9 | 20.1 | 20.4 |
| 8H  | 18.0             | 19.2 | 18.3 | 19.5 | 19.8 | 18.6           | 19.9 | 19.0 | 20.2 | 20.5 |
| 12H   | 18.1             | 19.3 | 18.4 | 19.6 | 19.9 | 18.7           | 19.9 | 19.0 | 20.2 | 20.5 |
| 4H 2H   | 16.2             | 17.6 | 16.5 | 17.8 | 18.1 | 16.6           | 18.0 | 16.9 | 18.3 | 18.5 |
| 3H  | 17.7             | 18.9 | 18.1 | 19.2 | 19.5 | 18.3           | 19.5 | 18.6 | 19.8 | 20.1 |
| 4H  | 18.4             | 19.5 | 18.8 | 19.8 | 20.1 | 19.0           | 20.1 | 19.3 | 20.4 | 20.7 |
| 6H  | 18.9             | 19.8 | 19.3 | 20.2 | 20.6 | 19.4           | 20.4 | 19.8 | 20.7 | 21.1 |
| 8H  | 19.1             | 20.0 | 19.5 | 20.3 | 20.7 | 19.6           | 20.5 | 20.0 | 20.8 | 21.2 |
| 12H   | 19.2             | 20.0 | 19.6 | 20.4 | 20.8 | 19.6           | 20.4 | 20.0 | 20.8 | 21.2 |
| 8H 4H   | 18.6             | 19.5 | 19.0 | 19.9 | 20.3 | 19.1           | 20.0 | 19.6 | 20.4 | 20.8 |
| 6H  | 19.2             | 20.0 | 19.7 | 20.4 | 20.8 | 19.7           | 20.5 | 20.1 | 20.9 | 21.3 |
| 8H  | 19.5             | 20.2 | 20.0 | 20.6 | 21.0 | 19.9           | 20.6 | 20.4 | 21.0 | 21.4 |
| 12H   | 19.7             | 20.3 | 20.2 | 20.7 | 21.2 | 20.0           | 20.6 | 20.5 | 21.0 | 21.5 |
| 12H 4H  | 18.6             | 19.4 | 19.0 | 19.8 | 20.2 | 19.1           | 20.0 | 19.6 | 20.4 | 20.8 |
| 6H  | 19.3             | 19.9 | 19.7 | 20.4 | 20.8 | 19.7           | 20.4 | 20.2 | 20.8 | 21.3 |
| 8H  | 19.6             | 20.1 | 20.0 | 20.6 | 21.1 | 20.0           | 20.5 | 20.4 | 21.0 | 21.5 |
| Variations with the observer position at spacings(CIE Pub.117): |                  |      |      |      |      |                |      |      |      |      |
| S = 1.0H  | + 0.2 / - 0.2    |      |      |      |      | + 0.1 / - 0.2  |      |      |      |      |
| 1.5H  | + 0.2 / - 0.4    |      |      |      |      | + 0.2 / - 0.3  |      |      |      |      |
| 2.0H  | + 0.2 / - 0.3    |      |      |      |      | + 0.3 / - 0.3  |      |      |      |      |

CIE Pub.117, 258.3 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -4.7)  
Area: 0.03 m2

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Oliver  
Test Date:2020-11-27

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.428  
Humidity:65.0%  
Test Distance:2.514m [K=1.0000]  
Remarks:

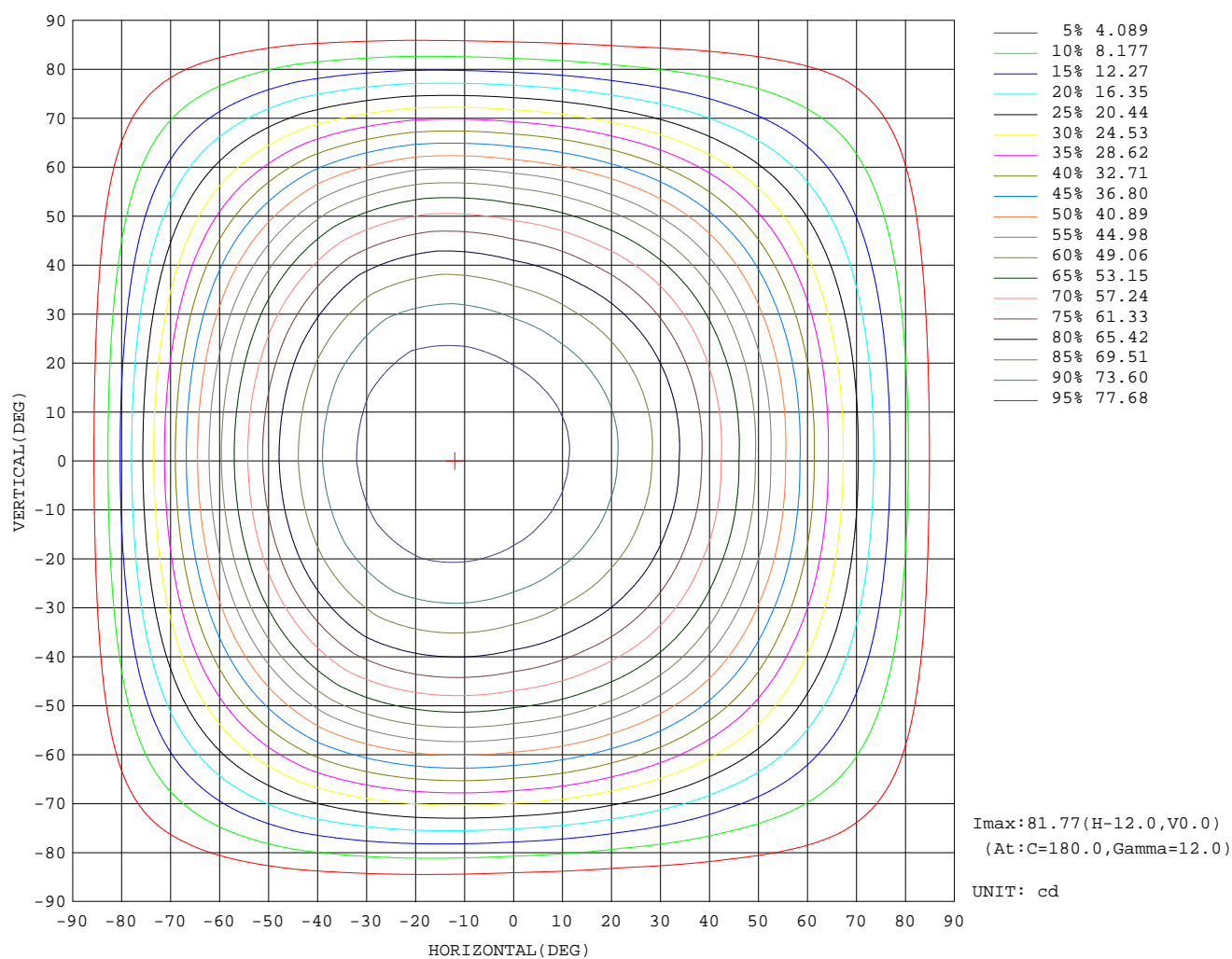
## UTILIZATION FACTORS TABLE

| REFLECTANCE                      |   |     |     |           |     |     |     |               |     |        |
|----------------------------------|---|-----|-----|-----------|-----|-----|-----|---------------|-----|--------|
| Ceiling                          | 0.8   | 0.8 | 0.8 | 0.7       | 0.7 | 0.7 | 0.5 | 0.5           | 0.5 | 0      |
| Walls                            | 0.7   | 0.5 | 0.3 | 0.7       | 0.5 | 0.3 | 0.7 | 0.5           | 0.3 | 0      |
| Working plane                    | 0.2   | 0.2 | 0.2 | 0.2       | 0.2 | 0.2 | 0.2 | 0.2           | 0.2 | 0      |
| ROOM INDEX                       | UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$ |     |     |           |     |     |     |               |     |        |
| k = 0.60                         | 56  | 44  | 37  | 55        | 44  | 37  | 54  | 43            | 37  | 30     |
| 0.80                             | 66  | 54  | 47  | 65        | 54  | 46  | 63  | 53            | 46  | 39     |
| 1.00                             | 75  | 63  | 56  | 73        | 63  | 56  | 71  | 64            | 55  | 48     |
| 1.25                             | 82  | 71  | 64  | 80        | 70  | 63  | 78  | 69            | 63  | 55     |
| 1.50                             | 87  | 77  | 70  | 85        | 76  | 69  | 82  | 74            | 68  | 60     |
| 2.00                             | 94  | 85  | 79  | 92        | 84  | 78  | 89  | 82            | 76  | 68     |
| 2.50                             | 98  | 90  | 84  | 96        | 89  | 83  | 92  | 86            | 81  | 73     |
| 3.00                             | 102   | 95  | 89  | 100       | 93  | 88  | 95  | 90            | 86  | 77     |
| 4.00                             | 106   | 100 | 95  | 103       | 98  | 94  | 99  | 95            | 91  | 82     |
| 5.00                             | 108   | 103 | 99  | 106       | 101 | 98  | 101 | 98            | 95  | 85     |
| ROOM INDEX                       | UF(total)   |     |     |           |     |     |     |               |     | Direct |
| According to DIN EN 13032-2 2004 |   |     |     | Suspended |     |     |     | SHRNOM = 1.25 |     |        |

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Oliver  
 Test Date: 2020-11-27

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.428  
 Humidity: 65.0%  
 Test Distance: 2.514m [K=1.0000]  
 Remarks:

## ISOCANDELA DIAGRAM

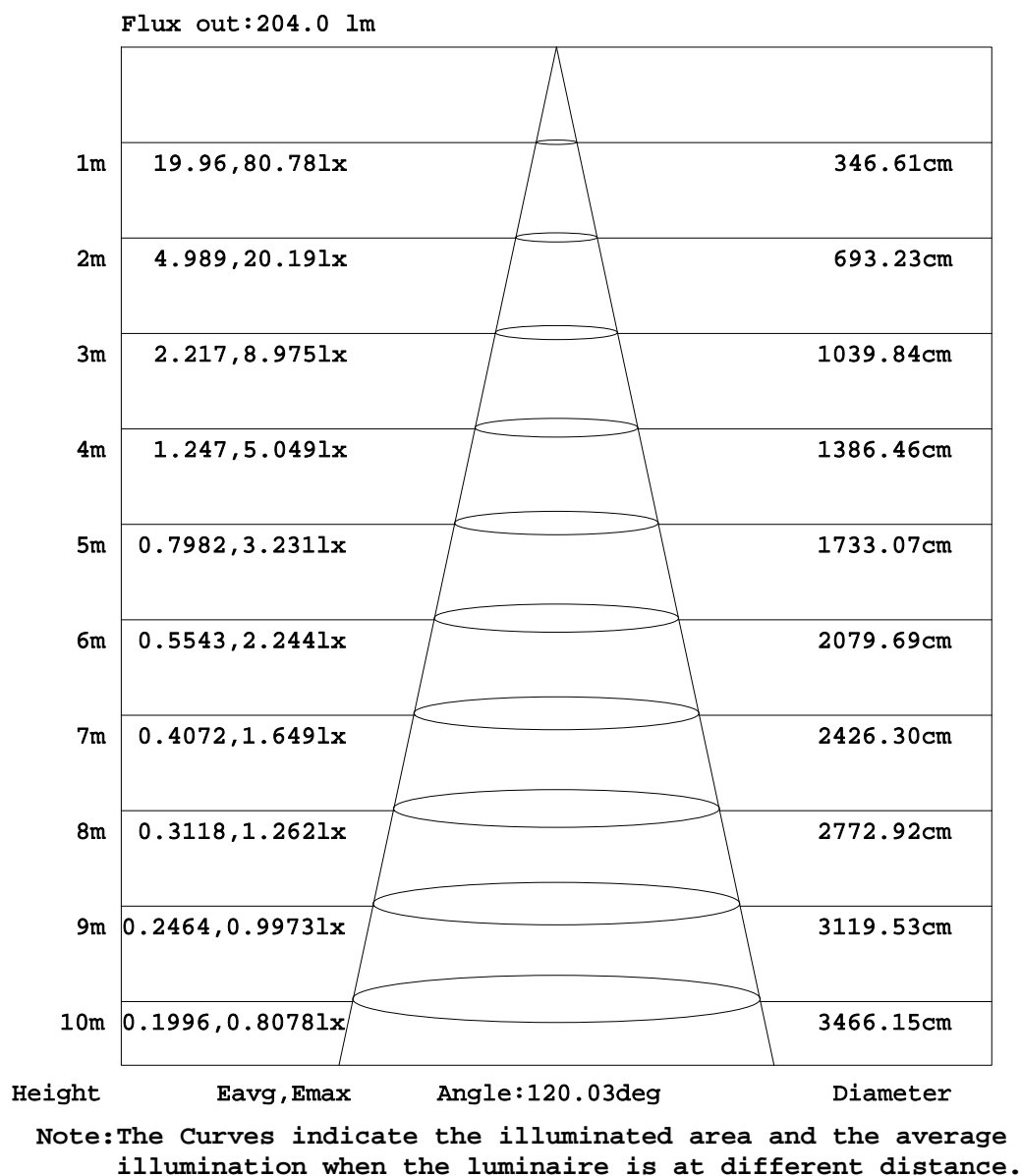


C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Oliver  
Test Date: 2020-11-27

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.428  
Humidity: 65.0%  
Test Distance: 2.514m [K=1.0000]  
Remarks:



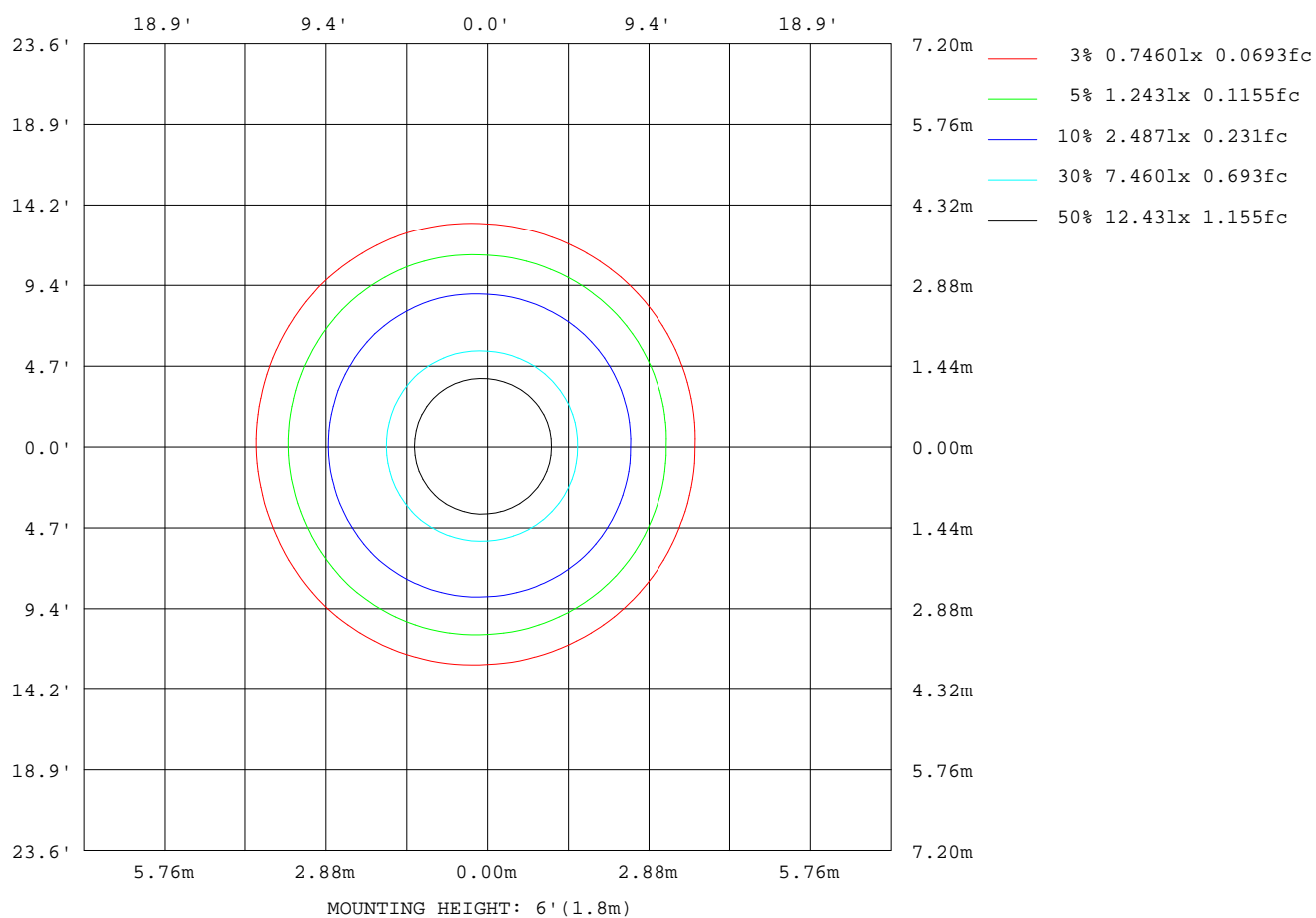
## AAI Figure



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Oliver  
 Test Date:2020-11-27

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.428  
 Humidity:65.0%  
 Test Distance:2.514m [K=1.0000]  
 Remarks:

## ISOLUX DIAGRAM



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Oliver  
Test Date: 2020-11-27

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.428  
Humidity: 65.0%  
Test Distance: 2.514m [K=1.0000]  
Remarks:

## LED Avg.L Report

|  |                |                  |
|--|----------------|------------------|
| Test:U:24.000V I:0.8282A P:19.880W PF:1.0000 Freq:0Hz UTHDi:0.00% ITHDi:0.00% Lamp Flux:258.324x1 lm |                |                  |
| NAME: LED-P10-1224-RGBWW-B   | TYPE: LED Lamp | WEIGHT:          |
| SPEC.:   | DIM.:          | SERIAL No.:      |
| MFR.: WAC Lighting   | SUR.:          | Shielding Angle: |

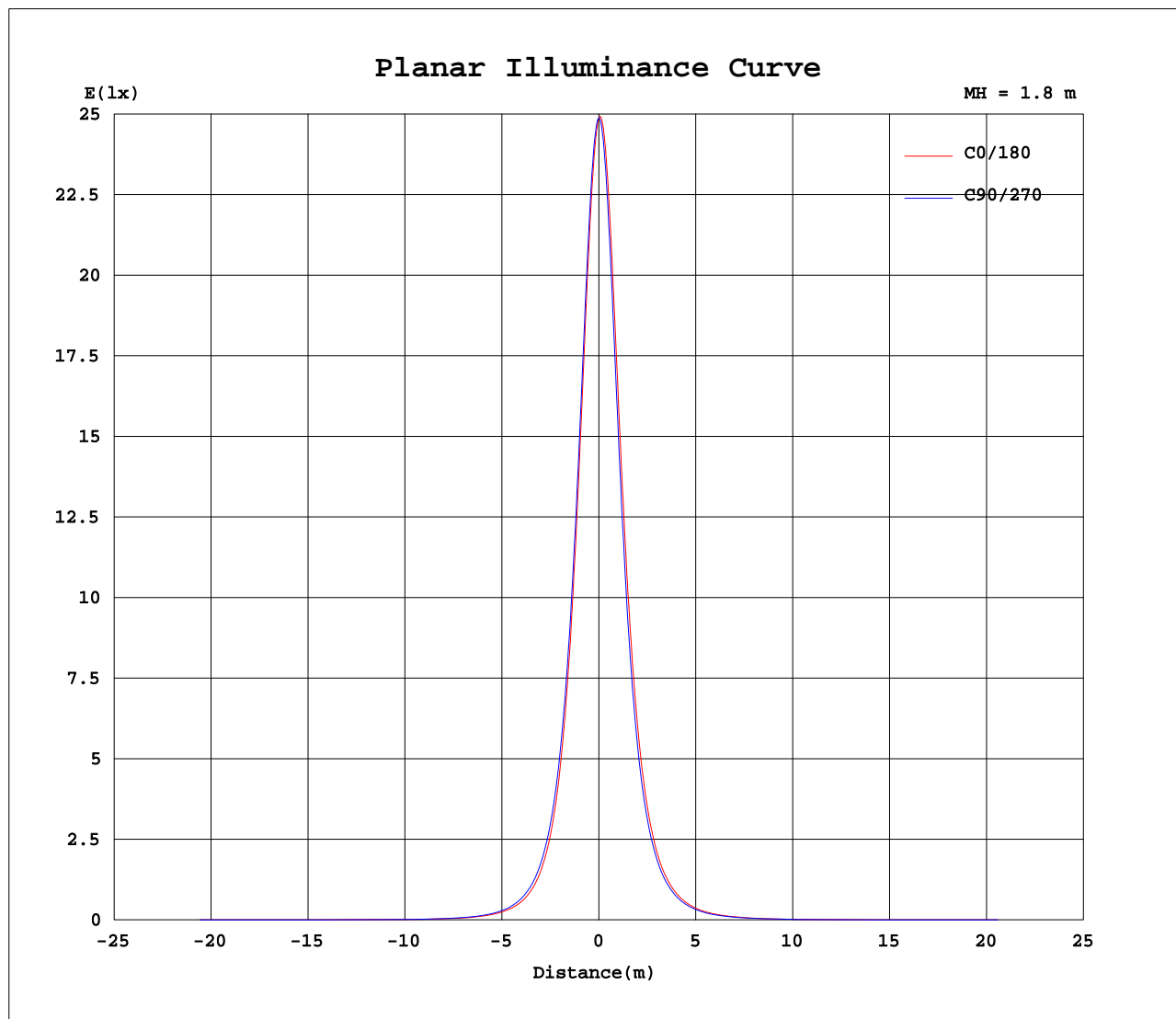
| AvgL           | cd/m2 |
|----------------|-------|
| L_0~180(65)av  | 2667  |
| L_0~180(75)av  | 2331  |
| L_0~180(85)av  | 1700  |
| L_90~270(65)av | 2679  |
| L_90~270(75)av | 2300  |
| L_90~270(85)av | 1503  |
| L_45(65)av     | 2738  |
| L_45(75)av     | 2350  |
| L_45(85)av     | 1709  |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Oliver  
 Test Date:2020-11-27

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.428  
 Humidity:65.0%  
 Test Distance:2.514m [K=1.0000]  
 Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Oliver  
Test Date: 2020-11-27

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.428  
Humidity: 65.0%  
Test Distance: 2.514m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Table--1

UNIT: cd

| C(DEG)<br>γ (DEG) | 0    | 22.5 | 45   | 67.5 | 90   | 112.5 | 135  | 157.5 | 180  | 202.5 | 225  | 247.5 | 270  | 292.5 | 315  | 337.5 |  |  |  |
|-------------------|------|------|------|------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|--|--|--|
| 0                 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6  | 80.6 | 80.6  | 80.6 | 80.6  | 80.6 | 80.6  | 80.6 | 80.6  | 80.6 | 80.6  |  |  |  |
| 5                 | 79.6 | 79.6 | 79.7 | 80.0 | 80.3 | 80.7  | 81.0 | 81.2  | 81.4 | 81.3  | 81.1 | 80.8  | 80.5 | 80.1  | 79.8 | 79.6  |  |  |  |
| 10                | 78.1 | 78.2 | 78.4 | 78.9 | 79.6 | 80.3  | 81.0 | 81.5  | 81.8 | 81.7  | 81.3 | 80.7  | 79.9 | 79.2  | 78.7 | 78.3  |  |  |  |
| 15                | 76.4 | 76.4 | 76.7 | 77.4 | 78.4 | 79.5  | 80.6 | 81.4  | 81.7 | 81.7  | 81.1 | 80.1  | 79.0 | 77.9  | 77.2 | 76.7  |  |  |  |
| 20                | 74.2 | 74.2 | 74.6 | 75.4 | 76.7 | 78.3  | 79.8 | 80.7  | 81.3 | 81.2  | 80.5 | 79.1  | 77.5 | 76.2  | 75.3 | 74.6  |  |  |  |
| 25                | 71.6 | 71.6 | 72.1 | 73.0 | 74.5 | 76.5  | 78.4 | 79.6  | 80.2 | 80.2  | 79.4 | 77.7  | 75.6 | 74.0  | 72.9 | 72.1  |  |  |  |
| 30                | 68.3 | 68.4 | 69.0 | 70.0 | 71.7 | 74.2  | 76.5 | 77.9  | 78.6 | 78.7  | 77.8 | 75.7  | 73.1 | 71.2  | 70.0 | 69.1  |  |  |  |
| 35                | 64.4 | 64.6 | 65.4 | 66.5 | 68.3 | 71.1  | 73.9 | 75.4  | 76.2 | 76.3  | 75.5 | 73.1  | 70.0 | 67.9  | 66.5 | 65.4  |  |  |  |
| 40                | 59.8 | 60.1 | 61.1 | 62.2 | 64.2 | 67.3  | 70.4 | 72.0  | 72.9 | 73.1  | 72.4 | 69.8  | 66.2 | 63.9  | 62.4 | 60.9  |  |  |  |
| 45                | 54.3 | 54.8 | 56.1 | 57.3 | 59.3 | 62.7  | 66.0 | 67.5  | 68.5 | 68.8  | 68.2 | 65.5  | 61.6 | 59.2  | 57.5 | 55.7  |  |  |  |
| 50                | 48.3 | 48.8 | 50.3 | 51.7 | 53.7 | 57.2  | 60.5 | 61.9  | 62.9 | 63.3  | 63.0 | 60.3  | 56.2 | 53.7  | 51.9 | 49.8  |  |  |  |
| 55                | 41.6 | 42.2 | 43.8 | 45.2 | 47.2 | 50.7  | 53.9 | 55.1  | 56.2 | 56.8  | 56.6 | 54.1  | 50.0 | 47.5  | 45.6 | 43.4  |  |  |  |
| 60                | 34.7 | 35.1 | 36.7 | 38.1 | 40.1 | 43.4  | 46.4 | 47.3  | 48.5 | 49.1  | 49.2 | 47.0  | 43.2 | 40.6  | 38.6 | 36.4  |  |  |  |
| 65                | 27.6 | 27.7 | 29.0 | 30.5 | 32.4 | 35.4  | 37.9 | 38.7  | 40.1 | 40.7  | 40.9 | 39.0  | 35.5 | 33.1  | 31.0 | 29.1  |  |  |  |
| 70                | 21.0 | 20.8 | 21.5 | 22.8 | 24.5 | 26.9  | 29.0 | 29.7  | 31.0 | 31.6  | 31.9 | 30.4  | 27.4 | 25.1  | 23.3 | 21.9  |  |  |  |
| 75                | 14.5 | 14.1 | 14.1 | 15.1 | 16.6 | 18.7  | 20.3 | 20.8  | 21.7 | 22.4  | 22.6 | 21.5  | 19.1 | 17.2  | 15.9 | 15.2  |  |  |  |
| 80                | 8.81 | 8.35 | 7.89 | 8.11 | 9.18 | 10.7  | 12.0 | 12.1  | 12.8 | 13.5  | 13.9 | 13.0  | 11.3 | 9.98  | 9.36 | 9.27  |  |  |  |
| 85                | 3.99 | 3.65 | 3.09 | 2.82 | 3.17 | 3.95  | 4.51 | 4.48  | 4.90 | 5.50  | 6.05 | 5.61  | 4.69 | 4.15  | 4.23 | 4.41  |  |  |  |
| 90                | 0.25 | 0.14 | 0.10 | 0.06 | 0.04 | 0.14  | 0.14 | 0.04  | 0.06 | 0.25  | 0.55 | 0.62  | 0.56 | 0.57  | 0.63 | 0.60  |  |  |  |
| 95                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  |  |  |  |
| 100               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  |  |  |  |
| 105               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  |  |  |  |
| 110               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  |  |  |  |
| 115               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  |  |  |  |
| 120               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  |  |  |  |
| 125               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  |  |  |  |
| 130               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  |  |  |  |
| 135               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  |  |  |  |
| 140               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  |  |  |  |
| 145               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  |  |  |  |
| 150               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  |  |  |  |
| 155               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  |  |  |  |
| 160               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  |  |  |  |
| 165               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  |  |  |  |
| 170               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  |  |  |  |
| 175               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  |  |  |  |
| 180               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.00  |  |  |  |

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 Operators: Oliver  
 Test Date: 2020-11-27

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