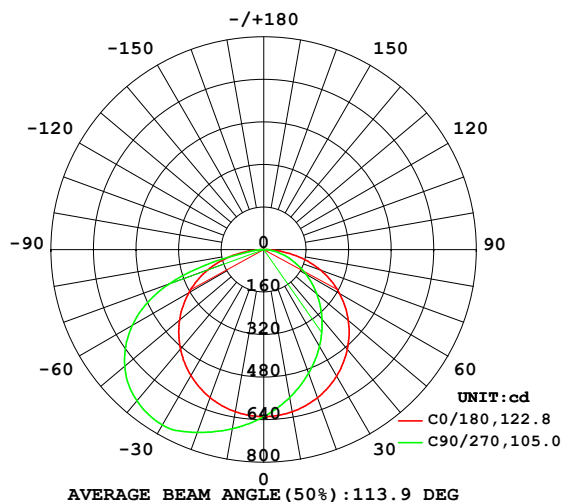


## LUMINAIRE PHOTOMETRIC TEST REPORT

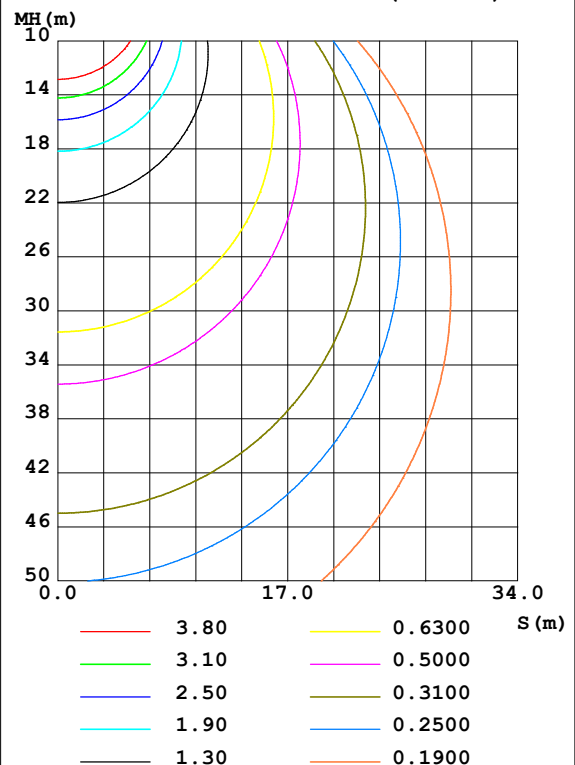
|   |          |                  |
|---|----------|------------------|
| Test:U:239.9V I:0.1025A P:22.40W PF:0.9108 Lamp Flux:2120.94x1 lm |          |                  |
| NAME: WYN_1150_NA_WHT_HE_300mA_4000K CRI90                        | TYPE:LED | WEIGHT:          |
| SPEC.:  | DIM.:    | SERIAL No.:1     |
| MFR.: DARKON  | SUR.:    | Shielding Angle: |

| DATA OF LAMP     |                    | PHOTOMETRIC DATA Eff: 94.70 lm/W |        |                        |          |
|------------------|--------------------|----------------------------------|--------|------------------------|----------|
| LED MODEL        | 1300lm 940 HV ADV6 | Imax(cd)                         | 761.8  | S/MH(C0/180)           | 1.30     |
| NOMINAL POWER(W) |                    | LOR(%)                           | 100.0  | S/MH(C90/270)          | 1.76     |
| RATED VOLTAGE(V) | 230.0              | TOTAL FLUX(lm)                   | 2120.9 | $\eta$ UP,DN(C0-180)   | 0.0,36.0 |
| NOMINAL FLUX(lm) | 2120.94            | CIE CLASS                        | DIRECT | $\eta$ UP,DN(C180-360) | 0.0,64.0 |
| LAMPS INSIDE     | 1                  | $\eta$ up(%)                     | 0.0    | CIBSE SHR NOM          | 1.50     |
| TEST VOLTAGE(V)  | 230                | $\eta$ 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:JEFF  
Test Date:23 October 2024

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
Humidity:65.0%  
Test Distance:7.888m [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       | 619.5                 | 579.7  | 564.6  | 579.6  | 619.2  | 663.9  | 683.9  | 664.1  | 0- 10    | 59.67       | 59.67        | 2.81,2.81  |
| 20       | 592.8                 | 519.2  | 494.8  | 518.9  | 592.1  | 685.9  | 731.6  | 686.7  | 10- 20   | 173.5       | 233.2        | 11,11      |
| 30       | 549.0                 | 449.3  | 420.2  | 448.9  | 547.9  | 695.2  | 761.8  | 696.8  | 20- 30   | 271.9       | 505.1        | 23.8,23.8  |
| 40       | 489.5                 | 371.6  | 341.5  | 371.0  | 487.9  | 681.4  | 742.5  | 683.0  | 30- 40   | 343.3       | 848.4        | 40,40      |
| 50       | 415.7                 | 288.5  | 261.1  | 287.9  | 413.7  | 627.1  | 682.8  | 629.5  | 40- 50   | 376.8       | 1225         | 57.8,57.8  |
| 60       | 328.9                 | 203.8  | 182.4  | 203.0  | 325.9  | 536.6  | 571.4  | 539.6  | 50- 60   | 366.3       | 1591         | 75,75      |
| 70       | 228.5                 | 122.0  | 108.5  | 121.4  | 224.0  | 395.0  | 380.1  | 397.9  | 60- 70   | 305.7       | 1897         | 89.4,89.4  |
| 80       | 111.6                 | 51.50  | 47.36  | 51.03  | 105.9  | 136.5  | 67.91  | 139.2  | 70- 80   | 183.2       | 2080         | 98.1,98.1  |
| 90       | 1.552                 | 0.9173 | 0.7845 | 0.9183 | 0.6716 | 0.5063 | 0.5132 | 0.5195 | 80- 90   | 40.55       | 2121         | 100,100    |
| 100      |                       |        |        |        |        |        |        |        | 90-100   |             |              |            |
| 110      |                       |        |        |        |        |        |        |        | 100-110  |             |              |            |
| 120      |                       |        |        |        |        |        |        |        | 110-120  |             |              |            |
| 130      |                       |        |        |        |        |        |        |        | 120-130  |             |              |            |
| 140      |                       |        |        |        |        |        |        |        | 130-140  |             |              |            |
| 150      |                       |        |        |        |        |        |        |        | 140-150  |             |              |            |
| 160      |                       |        |        |        |        |        |        |        | 150-160  |             |              |            |
| 170      |                       |        |        |        |        |        |        |        | 160-170  |             |              |            |
| 180      |                       |        |        |        |        |        |        |        | 170-180  |             |              |            |
| DEG      | LUMINOUS INTENSITY:cd |        |        |        |        |        |        |        |          | UNIT:lm     |              |            |

Conical surface Flux(90deg): 1035.2 lm

%lum = 48.8%

%lamp = 48.8%

Conical surface Flux(120deg): 1591.4 lm

%lum = 75.0%

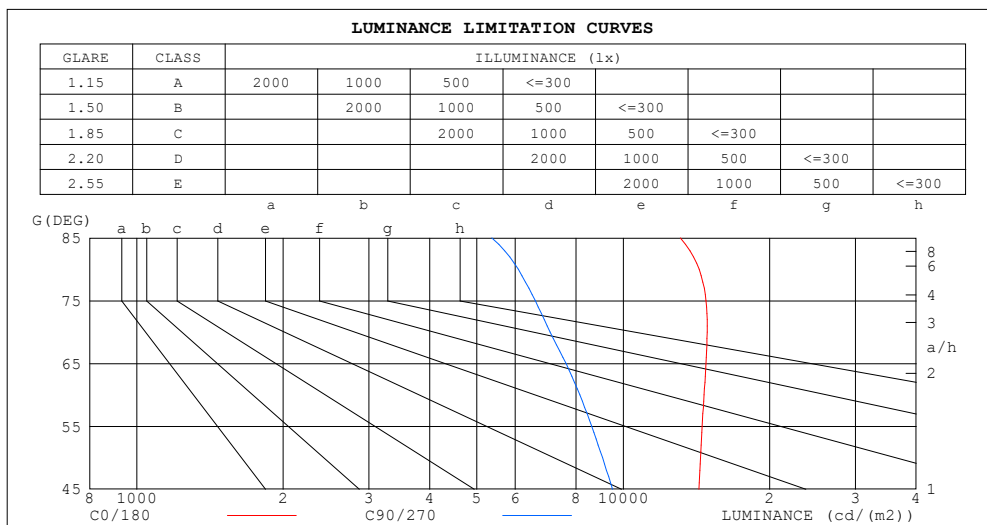
%lamp = 75.0%

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:JEFF  
 Test Date:23 October 2024

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
 Humidity:65.0%  
 Test Distance:7.888m [K=1.0000]  
 Remarks:

## LUMINANCE LIMITATION CURVES

|   |          |                  |
|---|----------|------------------|
| Test:U:239.9V I:0.1025A P:22.40W PF:0.9108 Lamp Flux:2120.94x1 lm |          |                  |
| NAME: WYN_1150_NA_WHT_HE_300mA_4000K CRI90                        | TYPE:LED | WEIGHT:          |
| SPEC.:  | DIM.:    | SERIAL No.:1     |
| MFR.: DARKON  | SUR.:    | Shielding Angle: |



| LUMINANCE cd/(m2) |        |         |
|-------------------|--------|---------|
| G (DEG)           | C0/180 | C90/270 |
| 85                | 13100  | 5366    |
| 80                | 14325  | 6085    |
| 75                | 14803  | 6595    |
| 70                | 14886  | 7079    |
| 65                | 14792  | 7624    |
| 60                | 14660  | 8141    |
| 55                | 14529  | 8612    |
| 50                | 14413  | 9062    |
| 45                | 14319  | 9504    |

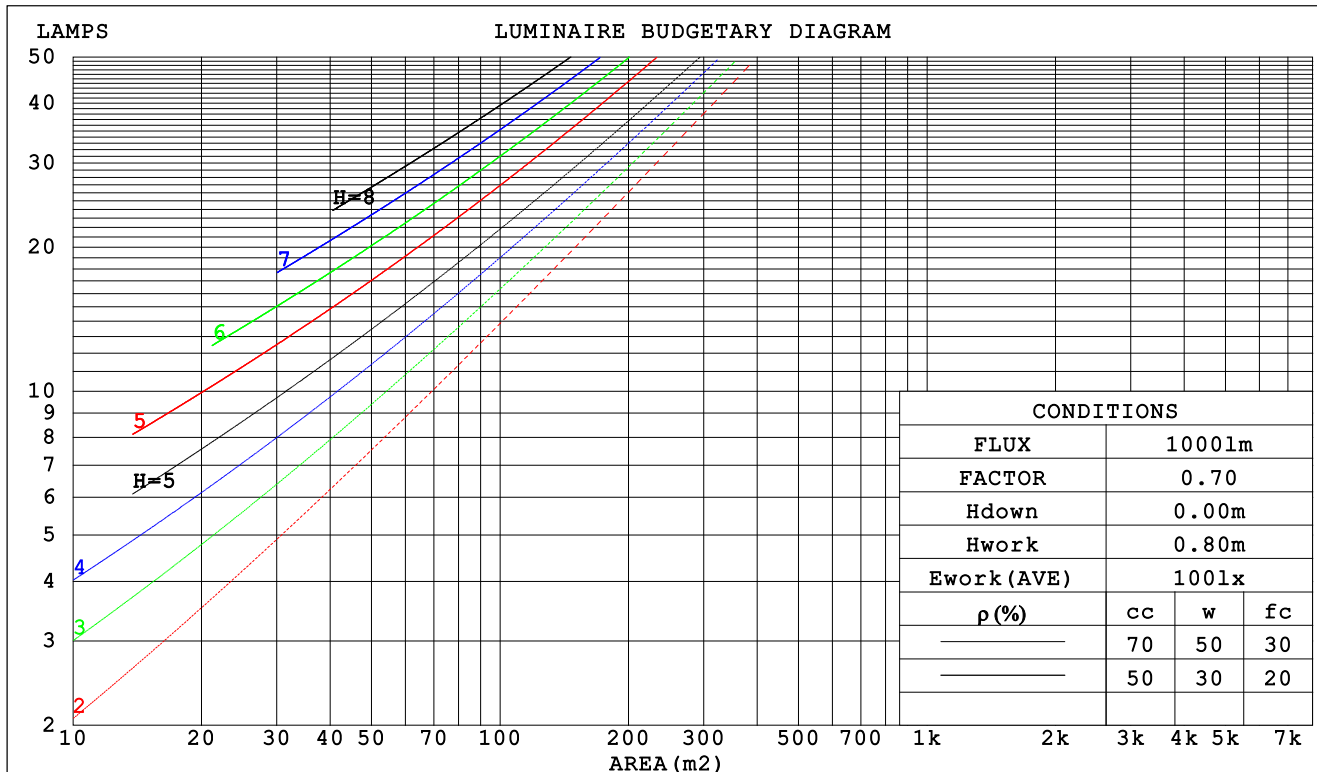
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:JEFF  
Test Date:23 October 2024

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
Humidity:65.0%  
Test Distance:7.888m [K=1.0000]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|   |          |                  |
|---|----------|------------------|
| Test:U:239.9V I:0.1025A P:22.40W PF:0.9108 Lamp Flux:2120.94x1 lm |          |                  |
| NAME: WYN_1150_NA_WHT_HE_300mA_4000K CRI90                        | TYPE:LED | WEIGHT:          |
| SPEC.:  | DIM.:    | SERIAL No.:1     |
| MFR.: DARKON  | SUR.:    | Shielding Angle: |

| $\rho_{cc}$ | 80%                             |      |      | 70%  |      |      | 50%  |      |      | 30%  |      |      | 10%  |      |      | 0   |
|-------------|---------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|
| $\rho_w$    | 50%                             | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0   |
| $\rho_{fc}$ | 20%                             |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 0   |
| RCR         | 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                            | .98  | .94  | 1.01 | .97  | .93  | .96  | .93  | .90  | .92  | .90  | .87  | .89  | .87  | .85  | .82 |
| 2.0         | .89                             | .82  | .76  | .87  | .80  | .75  | .83  | .78  | .73  | .80  | .75  | .71  | .77  | .73  | .70  | .67 |
| 3.0         | .77                             | .69  | .62  | .76  | .68  | .61  | .73  | .66  | .60  | .70  | .64  | .59  | .67  | .62  | .58  | .56 |
| 4.0         | .68                             | .59  | .52  | .67  | .58  | .51  | .64  | .57  | .51  | .62  | .55  | .50  | .60  | .54  | .49  | .47 |
| 5.0         | .60                             | .51  | .44  | .59  | .50  | .44  | .57  | .49  | .43  | .55  | .48  | .43  | .53  | .47  | .42  | .40 |
| 6.0         | .54                             | .45  | .38  | .53  | .44  | .38  | .51  | .43  | .38  | .50  | .43  | .37  | .48  | .42  | .37  | .35 |
| 7.0         | .49                             | .40  | .33  | .48  | .39  | .33  | .46  | .39  | .33  | .45  | .38  | .33  | .44  | .37  | .32  | .30 |
| 8.0         | .44                             | .36  | .30  | .44  | .35  | .29  | .42  | .35  | .29  | .41  | .34  | .29  | .40  | .34  | .29  | .27 |
| 9.0         | .41                             | .32  | .26  | .40  | .32  | .26  | .39  | .31  | .26  | .38  | .31  | .26  | .37  | .31  | .26  | .24 |
| 10.0        | .37                             | .29  | .24  | .37  | .29  | .24  | .36  | .29  | .24  | .35  | .28  | .24  | .34  | .28  | .23  | .22 |



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:JEFF  
Test Date:23 October 2024

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
Humidity:65.0%  
Test Distance:7.888m [K=1.0000]  
Remarks:

**WEC AND CCEC**

|   |          |                  |
|---|----------|------------------|
| Test:U:239.9V I:0.1025A P:22.40W PF:0.9108 Lamp Flux:2120.94x1 lm |          |                  |
| NAME: WYN_1150_NA_WHT_HE_300mA_4000K CRI90                        | TYPE:LED | WEIGHT:          |
| SPEC.:  | DIM.:    | SERIAL No.:1     |
| MFR.: DARKON  | SUR.:    | Shielding Angle: |

| 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 |      |      |      |      |      | Wall Exitance Coefficients (WEC) |      |      |      |      |      |      |      |      |   |  |  |  |
| 0.0  |                       |      |      |      |      |      |                                  |      |      |      |      |      |      |      |      |   |  |  |  |
| 1.0  | .326                  | .186 | .059 | .319 | .182 | .058 | .306                             | .176 | .056 | .294 | .169 | .054 | .282 | .164 | .053 |   |  |  |  |
| 2.0  | .307                  | .168 | .052 | .301 | .166 | .051 | .289                             | .161 | .050 | .278 | .156 | .049 | .268 | .151 | .048 |   |  |  |  |
| 3.0  | .283                  | .151 | .045 | .277 | .149 | .045 | .267                             | .145 | .044 | .257 | .141 | .043 | .248 | .137 | .043 |   |  |  |  |
| 4.0  | .260                  | .135 | .040 | .255 | .133 | .039 | .246                             | .130 | .039 | .237 | .127 | .038 | .229 | .124 | .038 |   |  |  |  |
| 5.0  | .239                  | .122 | .035 | .235 | .121 | .035 | .227                             | .118 | .035 | .219 | .116 | .034 | .212 | .113 | .034 |   |  |  |  |
| 6.0  | .221                  | .111 | .032 | .217 | .110 | .032 | .210                             | .108 | .031 | .203 | .105 | .031 | .197 | .103 | .031 |   |  |  |  |
| 7.0  | .205                  | .101 | .029 | .202 | .101 | .029 | .195                             | .099 | .028 | .189 | .097 | .028 | .183 | .095 | .028 |   |  |  |  |
| 8.0  | .191                  | .093 | .026 | .188 | .093 | .026 | .182                             | .091 | .026 | .177 | .089 | .026 | .171 | .088 | .026 |   |  |  |  |
| 9.0  | .179                  | .086 | .024 | .176 | .086 | .024 | .171                             | .084 | .024 | .166 | .083 | .024 | .161 | .082 | .024 |   |  |  |  |
| 10.0 | .168                  | .080 | .022 | .165 | .080 | .022 | .160                             | .079 | .022 | .156 | .077 | .022 | .152 | .076 | .022 |   |  |  |  |

| 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 |      |      |      |      |      | Ceiling Cavity Exitance Coefficients (CCEC) |      |      |      |      |      |      |      |      |   |  |
| 0.0  | .190                  | .190 | .190 | .163 | .163 | .163 | .111  | .111 | .111 | .064 | .064 | .064 | .020 | .020 | .020 |   |  |
| 1.0  | .181                  | .156 | .133 | .155 | .134 | .115 | .106  | .092 | .079 | .061 | .053 | .046 | .020 | .017 | .015 |   |  |
| 2.0  | .174                  | .132 | .096 | .149 | .113 | .083 | .102  | .079 | .058 | .059 | .046 | .034 | .019 | .015 | .011 |   |  |
| 3.0  | .167                  | .114 | .072 | .143 | .099 | .063 | .098  | .069 | .044 | .057 | .040 | .026 | .018 | .013 | .009 |   |  |
| 4.0  | .160                  | .101 | .057 | .137 | .087 | .049 | .094  | .061 | .035 | .054 | .036 | .021 | .018 | .012 | .007 |   |  |
| 5.0  | .152                  | .091 | .046 | .131 | .079 | .040 | .090  | .055 | .028 | .052 | .032 | .017 | .017 | .011 | .006 |   |  |
| 6.0  | .145                  | .083 | .038 | .124 | .072 | .033 | .086  | .050 | .023 | .050 | .029 | .014 | .016 | .010 | .005 |   |  |
| 7.0  | .138                  | .076 | .032 | .119 | .066 | .028 | .082  | .046 | .020 | .048 | .027 | .012 | .015 | .009 | .004 |   |  |
| 8.0  | .131                  | .070 | .028 | .113 | .061 | .024 | .078  | .043 | .017 | .045 | .025 | .010 | .015 | .008 | .003 |   |  |
| 9.0  | .125                  | .065 | .025 | .108 | .056 | .021 | .075  | .040 | .015 | .043 | .023 | .009 | .014 | .008 | .003 |   |  |
| 10.0 | .119                  | .061 | .022 | .103 | .053 | .019 | .071  | .037 | .014 | .042 | .022 | .008 | .013 | .007 | .003 |   |  |

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:JEFF  
Test Date:23 October 2024

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
Humidity:65.0%  
Test Distance:7.888m [K=1.0000]  
Remarks:

**UGR(Unified Glare Rating) Table**

|   |                  |      |      |      |          |                |      |                  |      |      |
|---|------------------|------|------|------|----------|----------------|------|------------------|------|------|
| Test:U:239.9V I:0.1025A P:22.40W PF:0.9108 Lamp Flux:2120.94x1 lm |                  |      |      |      |          |                |      |                  |      |      |
| NAME: WYN_1150_NA_WHT_HE_300mA_4000K CRI90                        |                  |      |      |      | TYPE:LED |                |      | WEIGHT:          |      |      |
| SPEC.:  |                  |      |      |      | DIM.:    |                |      | SERIAL No.:1     |      |      |
| MFR.: DARKON  |                  |      |      |      | SUR.:    |                |      | 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   | 20.8             | 22.4 | 21.1 | 22.6 | 22.8     | 18.7           | 20.3 | 18.9             | 20.5 | 20.7 |
| 3H  | 22.7             | 24.2 | 23.0 | 24.4 | 24.7     | 20.0           | 21.4 | 20.3             | 21.7 | 21.9 |
| 4H  | 23.6             | 25.0 | 23.9 | 25.2 | 25.5     | 20.5           | 21.9 | 20.8             | 22.1 | 22.4 |
| 6H  | 24.3             | 25.6 | 24.6 | 25.9 | 26.2     | 20.9           | 22.2 | 21.2             | 22.5 | 22.8 |
| 8H  | 24.6             | 25.8 | 24.9 | 26.1 | 26.4     | 21.0           | 22.3 | 21.3             | 22.6 | 22.9 |
| 12H   | 24.7             | 26.0 | 25.1 | 26.3 | 26.6     | 21.1           | 22.3 | 21.4             | 22.6 | 22.9 |
| 4H 2H   | 21.1             | 22.5 | 21.4 | 22.7 | 23.0     | 19.4           | 20.8 | 19.7             | 21.0 | 21.3 |
| 3H  | 23.1             | 24.3 | 23.5 | 24.6 | 24.9     | 20.8           | 22.0 | 21.2             | 22.3 | 22.7 |
| 4H  | 24.1             | 25.2 | 24.4 | 25.5 | 25.8     | 21.5           | 22.6 | 21.8             | 22.9 | 23.2 |
| 6H  | 24.9             | 25.9 | 25.3 | 26.2 | 26.6     | 22.0           | 23.0 | 22.4             | 23.3 | 23.7 |
| 8H  | 25.2             | 26.2 | 25.6 | 26.5 | 26.9     | 22.1           | 23.1 | 22.6             | 23.5 | 23.8 |
| 12H   | 25.5             | 26.3 | 25.9 | 26.7 | 27.1     | 22.3           | 23.1 | 22.7             | 23.5 | 23.9 |
| 8H 4H   | 24.1             | 25.1 | 24.5 | 25.4 | 25.8     | 21.8           | 22.7 | 22.2             | 23.1 | 23.5 |
| 6H  | 25.1             | 25.8 | 25.5 | 26.2 | 26.7     | 22.4           | 23.2 | 22.9             | 23.6 | 24.0 |
| 8H  | 25.5             | 26.1 | 25.9 | 26.6 | 27.0     | 22.7           | 23.4 | 23.2             | 23.8 | 24.3 |
| 12H   | 25.8             | 26.4 | 26.3 | 26.8 | 27.3     | 22.9           | 23.5 | 23.4             | 24.0 | 24.4 |
| 12H 4H  | 24.1             | 25.0 | 24.5 | 25.4 | 25.8     | 21.8           | 22.7 | 22.2             | 23.1 | 23.5 |
| 6H  | 25.1             | 25.8 | 25.5 | 26.2 | 26.6     | 22.5           | 23.2 | 23.0             | 23.6 | 24.1 |
| 8H  | 25.5             | 26.1 | 26.0 | 26.5 | 27.0     | 22.8           | 23.4 | 23.3             | 23.9 | 24.4 |
| Variations with the observer position at spacings:                |                  |      |      |      |          |                |      |                  |      |      |
| S = 1.0H  | + 0.1 / - 0.1    |      |      |      |          | + 0.2 / - 0.2  |      |                  |      |      |
| 1.5H  | + 0.3 / - 0.3    |      |      |      |          | + 0.2 / - 0.3  |      |                  |      |      |
| 2.0H  | + 0.7 / - 0.7    |      |      |      |          | + 0.2 / - 0.3  |      |                  |      |      |

CIE Pub.117 Corrected 2121 lm Total Lamp Luminous Flux. (8log(F/F0) = 2.6)

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:JEFF  
Test Date:23 October 2024

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
Humidity:65.0%  
Test Distance:7.888m [K=1.0000]  
Remarks:

**UTILIZATION FACTORS TABLE**

|   |          |                  |
|---|----------|------------------|
| Test:U:239.9V I:0.1025A P:22.40W PF:0.9108 Lamp Flux:2120.94x1 lm |          |                  |
| NAME: WYN_1150_NA_WHT_HE_300mA_4000K CRI90                        | TYPE:LED | WEIGHT:          |
| SPEC.:  | DIM.:    | SERIAL No.:1     |
| MFR.: DARKON  | SUR.:    | Shielding Angle: |

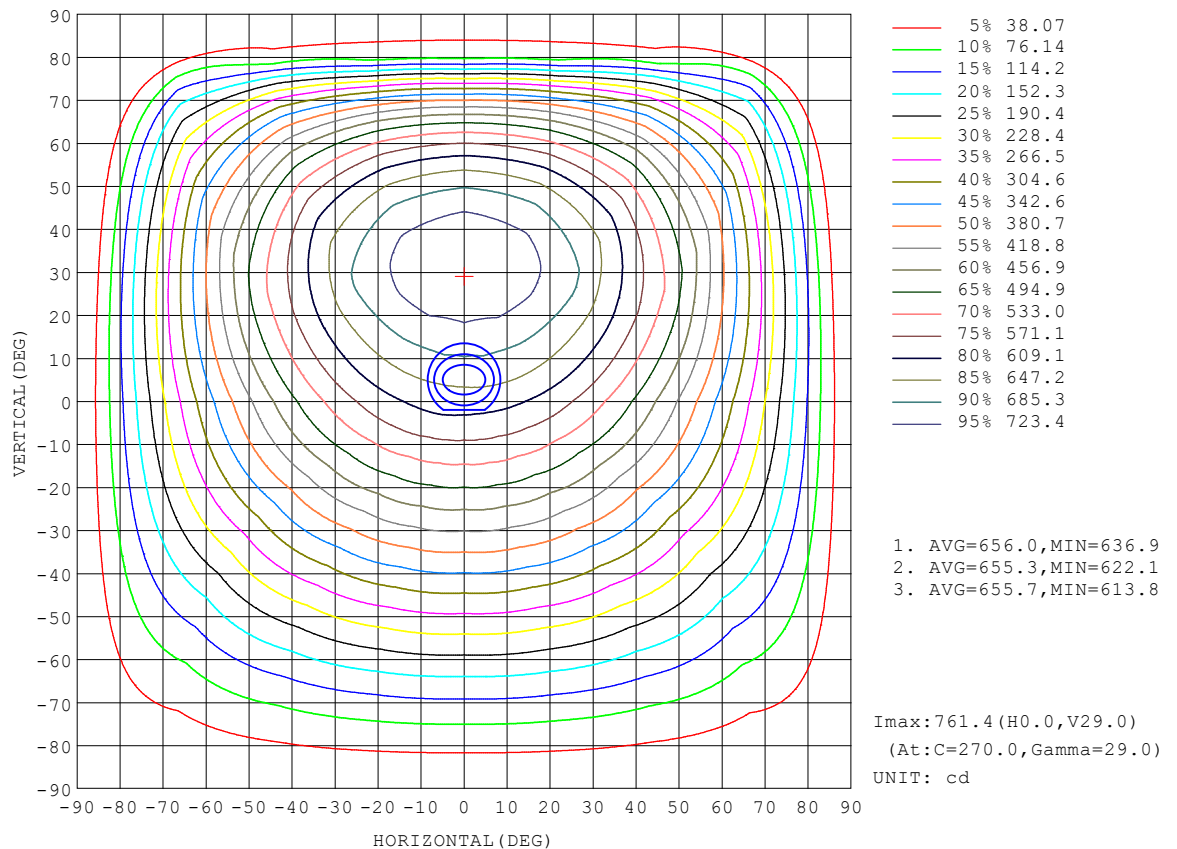
| REFLECTANCE                      |  |     |           |     |     |     |     |               |     |        |
|----------------------------------|--|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling                          | 0.8  | 0.8 | 0.8       | 0.7 | 0.7 | 0.7 | 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) $k(RI) \times RCR = 5$ |     |           |     |     |     |     |               |     |        |
| $k = 0.60$                       | 55   | 43  | 36        | 54  | 43  | 36  | 53  | 42            | 35  | 29     |
| 0.80                             | 65   | 53  | 45        | 64  | 52  | 45  | 62  | 52            | 44  | 37     |
| 1.00                             | 73   | 62  | 54        | 72  | 61  | 54  | 70  | 63            | 53  | 46     |
| 1.25                             | 81   | 70  | 62        | 79  | 69  | 62  | 77  | 67            | 61  | 53     |
| 1.50                             | 86   | 75  | 68        | 84  | 75  | 68  | 81  | 73            | 66  | 59     |
| 2.00                             | 93   | 84  | 77        | 91  | 83  | 77  | 88  | 81            | 75  | 67     |
| 2.50                             | 97   | 89  | 83        | 95  | 88  | 82  | 91  | 85            | 80  | 71     |
| 3.00                             | 101  | 94  | 88        | 99  | 92  | 87  | 95  | 89            | 85  | 76     |
| 4.00                             | 105  | 99  | 94        | 103 | 98  | 93  | 99  | 94            | 90  | 81     |
| 5.00                             | 108  | 103 | 99        | 106 | 101 | 97  | 101 | 97            | 94  | 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:JEFF  
Test Date:23 October 2024

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
Humidity:65.0%  
Test Distance:7.888m [K=1.0000]  
Remarks:

# ISOCANDELA DIAGRAM

|   |          |                  |
|---|----------|------------------|
| Test:U:239.9V I:0.1025A P:22.40W PF:0.9108 Lamp Flux:2120.94x1 lm |          |                  |
| NAME: WYN_1150_NA_WHT_HE_300mA_4000K CRI90                        | TYPE:LED | WEIGHT:          |
| SPEC.:  | DIM.:    | SERIAL No.:1     |
| MFR.: DARKON  | SUR.:    | Shielding Angle: |



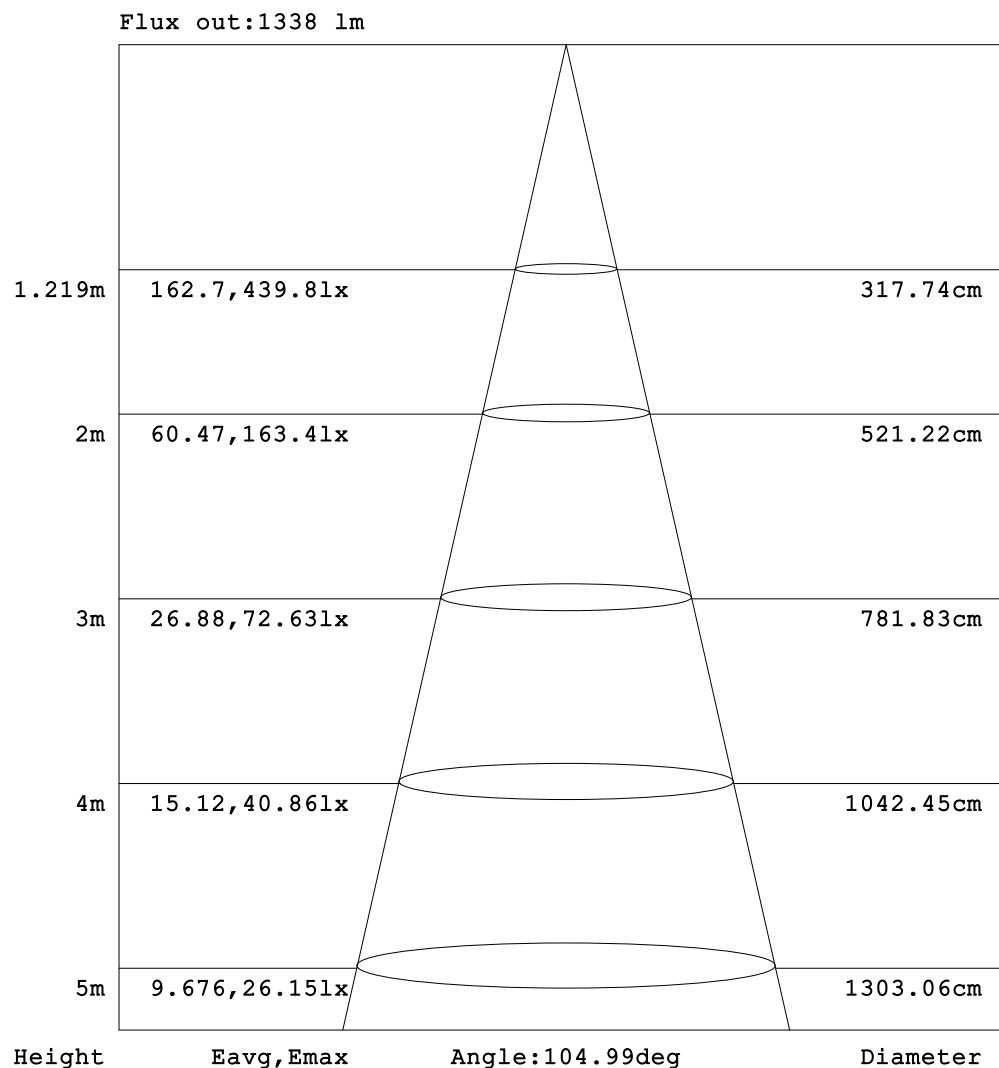
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:JEFF  
Test Date:23 October 2024

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
Humidity:65.0%  
Test Distance:7.888m [K=1.0000]  
Remarks:



### AAI Figure

|   |          |                  |
|---|----------|------------------|
| Test:U:239.9V I:0.1025A P:22.40W PF:0.9108 Lamp Flux:2120.94x1 lm |          |                  |
| NAME: WYN_1150_NA_WHT_HE_300mA_4000K CRI90                        | TYPE:LED | WEIGHT:          |
| SPEC.:  | DIM.:    | SERIAL No.:1     |
| MFR.: DARKON  | SUR.:    | Shielding Angle: |



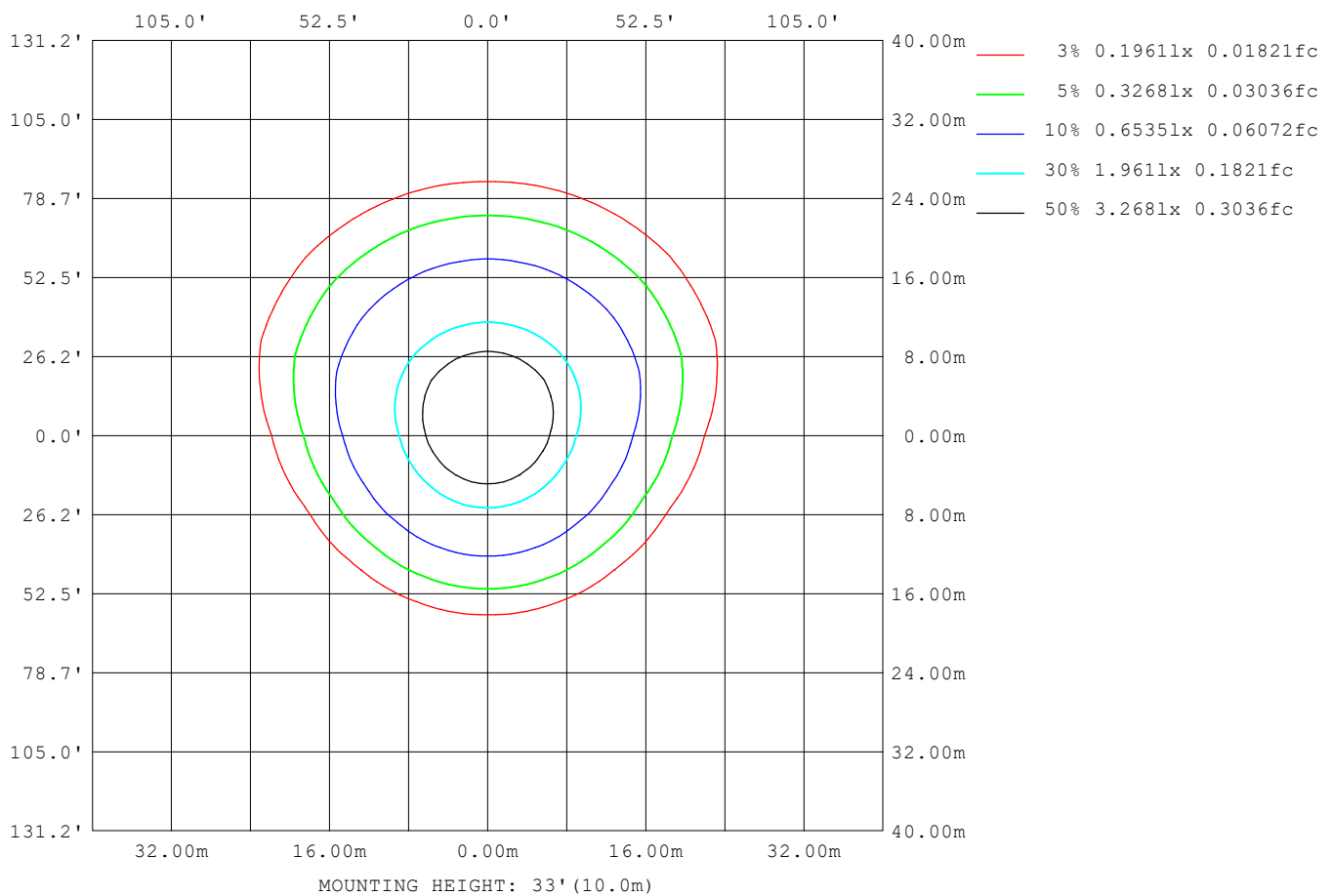
**Note:**The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:JEFF  
Test Date:23 October 2024

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
Humidity:65.0%  
Test Distance:7.888m [K=1.0000]  
Remarks:

### ISOLUX DIAGRAM

|   |          |                  |
|---|----------|------------------|
| Test:U:239.9V I:0.1025A P:22.40W PF:0.9108 Lamp Flux:2120.94x1 lm |          |                  |
| NAME: WYN_1150_NA_WHT_HE_300mA_4000K CRI90                        | TYPE:LED | WEIGHT:          |
| SPEC.:  | DIM.:    | SERIAL No.:1     |
| MFR.: DARKON  | SUR.:    | Shielding Angle: |



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:JEFF  
Test Date:23 October 2024

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
Humidity:65.0%  
Test Distance:7.888m [K=1.0000]  
Remarks:

### LED Avg.L Report

|   |          |                  |
|---|----------|------------------|
| Test:U:239.9V I:0.1025A P:22.40W PF:0.9108 Lamp Flux:2120.94x1 lm |          |                  |
| NAME: WYN_1150_NA_WHT_HE_300mA_4000K CRI90                        | TYPE:LED | WEIGHT:          |
| SPEC.:  | DIM.:    | SERIAL No.:1     |
| MFR.: DARKON  | SUR.:    | Shielding Angle: |

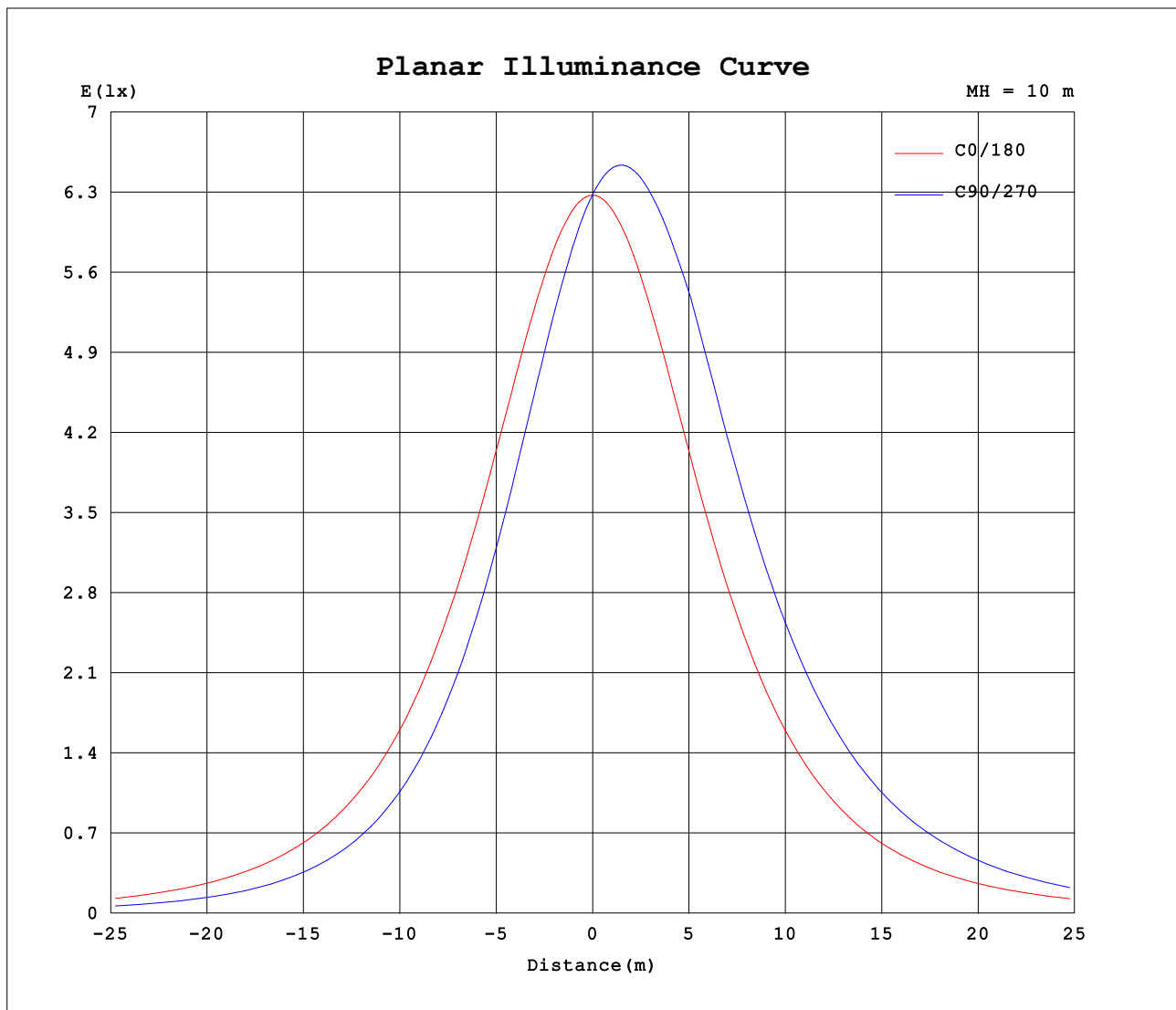
| AvgL             | cd/m2 |
|------------------|-------|
| L_0~180 (65) av  | 14721 |
| L_0~180 (75) av  | 14602 |
| L_0~180 (85) av  | 12430 |
| L_90~270 (65) av | 16758 |
| L_90~270 (75) av | 13130 |
| L_90~270 (85) av | 6579  |
| L_45 (65) av     | 16813 |
| L_45 (75) av     | 16160 |
| L_45 (85) av     | 7089  |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:JEFF  
Test Date:23 October 2024

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
Humidity:65.0%  
Test Distance:7.888m [K=1.0000]  
Remarks:

### Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: JEFF  
Test Date: 23 October 2024

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
Humidity: 65.0%  
Test Distance: 7.888m [K=1.0000]  
Remarks:

