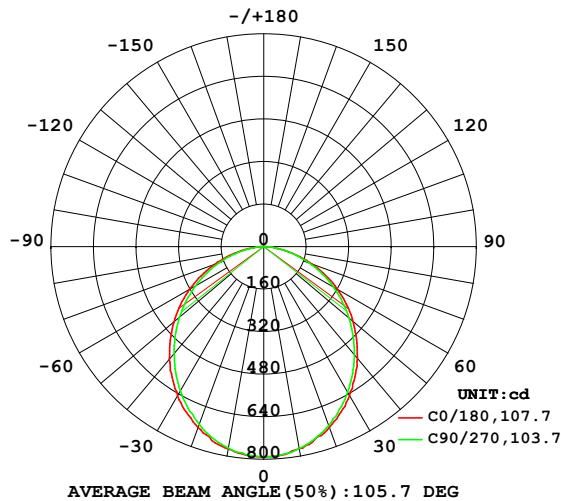


**LUMINAIRE PHOTOMETRIC TEST REPORT**

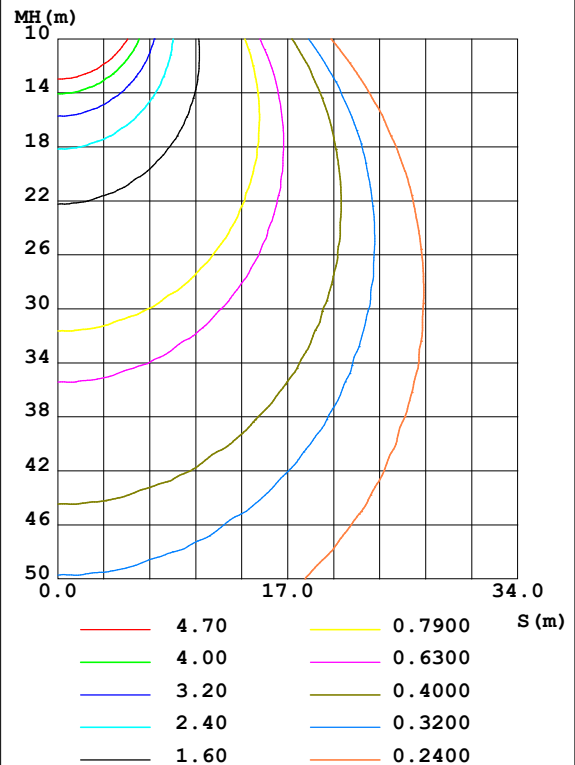
|   |          |                  |
|---|----------|------------------|
| Test:U:240.0V I:0.1091A P:23.09W PF:0.8816 Lamp Flux:2085.66x1 lm |          |                  |
| NAME: TRIM_1160_REC_WHT_OPAL_HE_150mA_TUNABLE @ 4000K             | TYPE:LED | WEIGHT:          |
| SPEC.:  | DIM.:    | SERIAL No.:1     |
| MFR.: DARKON  | SUR.:    | Shielding Angle: |

| DATA OF LAMP                         |         | PHOTOMETRIC DATA |        |                   |          | Eff: 90.31 lm/W |
|--------------------------------------|---------|------------------|--------|-------------------|----------|-----------------|
| LLE 24x5600DEI2200lm 927-965 LV PRE3 |         | Imax(cd)         | 793.8  | S/MH(C0/180)      | 1.22     |                 |
| NOMINAL POWER(W)                     |         | LOR(%)           | 100.0  | S/MH(C90/270)     | 1.19     |                 |
| RATED VOLTAGE(V)                     | 230.0   | TOTAL FLUX(lm)   | 2085.7 | η UP,DN(C0-180)   | 0.0,50.3 |                 |
| NOMINAL FLUX(lm)                     | 2085.66 | CIE CLASS        | DIRECT | η UP,DN(C180-360) | 0.0,49.7 |                 |
| LAMPS INSIDE                         | 1       | η up(%)          | 0.0    | CIBSE SHR NOM     | 1.25     |                 |
| TEST VOLTAGE(V)                      | 230     | η down(%)        | 100.0  | CIBSE SHR MAX     | 1.35     |                 |

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:03 April 2024

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
Humidity:65.0%  
Test Distance:7.890m [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       | 771.4                 | 771.7  | 770.3  | 773.0 | 773.0  | 772.2  | 769.5  | 769.8  | 0- 10    | 74.54       | 74.54        | 3.57,3.57  |
| 20       | 723.8                 | 718.3  | 715.8  | 722.7 | 723.7  | 720.8  | 711.7  | 714.3  | 10- 20   | 211.1       | 285.7        | 13.7,13.7  |
| 30       | 647.1                 | 637.9  | 631.0  | 642.8 | 648.5  | 638.7  | 626.7  | 631.1  | 20- 30   | 313.6       | 599.3        | 28.7,28.7  |
| 40       | 548.9                 | 537.1  | 530.9  | 544.2 | 552.7  | 540.4  | 525.7  | 533.0  | 30- 40   | 368.9       | 968.2        | 46.4,46.4  |
| 50       | 438.9                 | 425.4  | 419.1  | 433.2 | 441.0  | 430.9  | 414.7  | 421.5  | 40- 50   | 373.4       | 1342         | 64.3,64.3  |
| 60       | 319.0                 | 307.5  | 302.0  | 315.2 | 322.3  | 311.6  | 297.2  | 303.5  | 50- 60   | 330.3       | 1672         | 80.2,80.2  |
| 70       | 194.2                 | 185.5  | 183.1  | 194.2 | 197.1  | 190.0  | 178.4  | 181.6  | 60- 70   | 246.4       | 1918         | 92,92      |
| 80       | 73.41                 | 70.12  | 71.53  | 77.17 | 75.95  | 73.99  | 67.73  | 66.89  | 70- 80   | 135.7       | 2054         | 98.5,98.5  |
| 90       | 0.5675                | 0.5278 | 0.6053 | 1.736 | 0.7030 | 0.8173 | 0.5026 | 0.5321 | 80- 90   | 31.69       | 2086         | 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): 1157.5 lm

%lum = 55.5%

%lamp = 55.5%

Conical surface Flux(120deg): 1671.9 lm

%lum = 80.2%

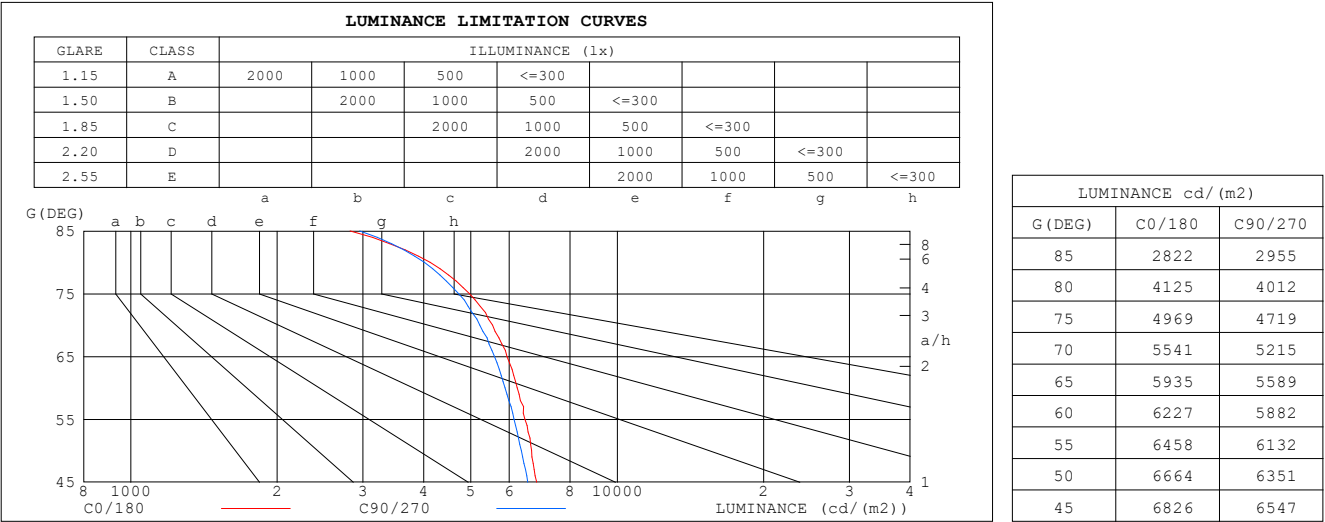
%lamp = 80.2%

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:JEFF  
Test Date:03 April 2024

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
Humidity:65.0%  
Test Distance:7.890m [K=1.0000]  
Remarks:

LUMINANCE LIMITATION CURVES

|   |         |                  |
|---|---------|------------------|
| Test:U:240.0V I:0.1091A P:23.09W PF:0.8816 Lamp Flux:2085.66x1 lm |         |                  |
| NAME: TRIM_1160_REC_WHT_OPAL_HE_150mA_TUNABLE @ 4000KPE:LED       | WEIGHT: |                  |
| SPEC.:  | DIM.:   | SERIAL No.:1     |
| MFR.: DARKON  | SUR.:   | Shielding Angle: |



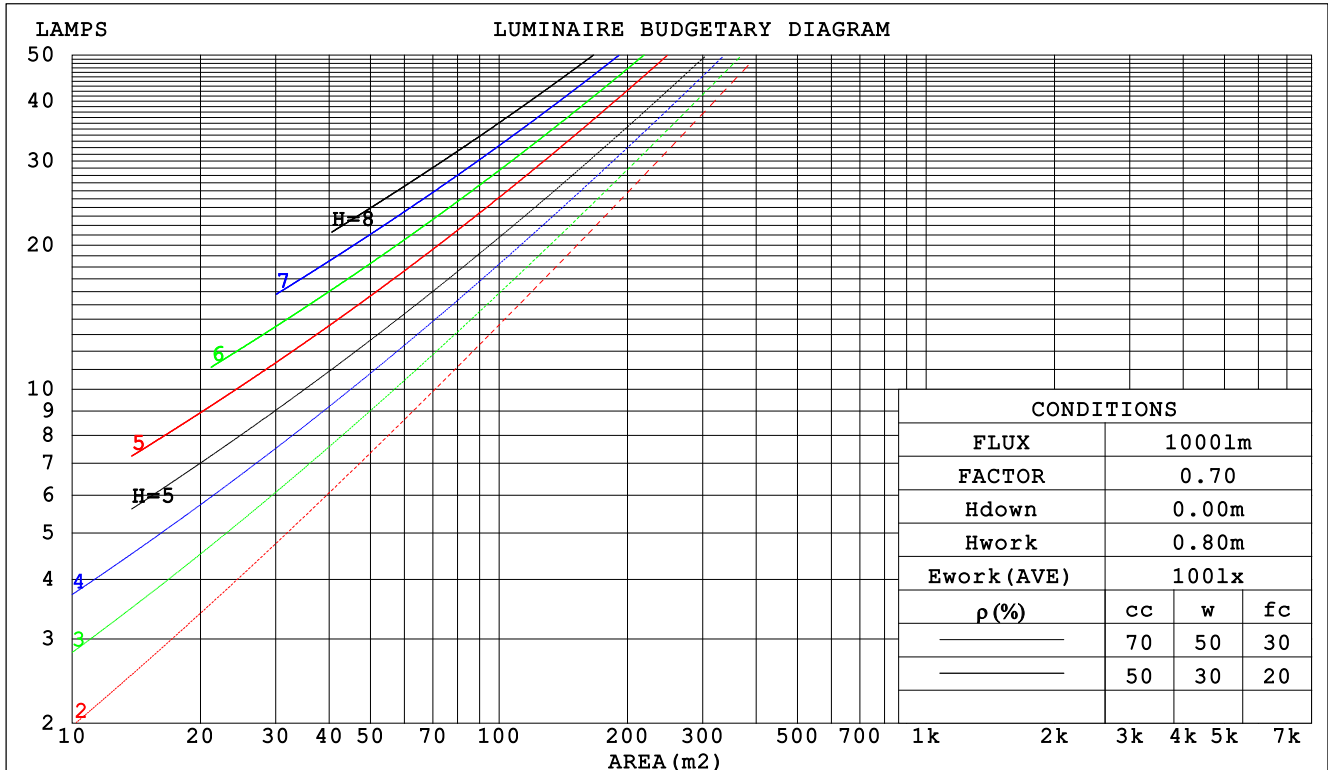
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:JEFF  
Test Date:03 April 2024

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
Humidity:65.0%  
Test Distance:7.890m [K=1.0000]  
Remarks:

**CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM**

|   |         |                  |
|---|---------|------------------|
| Test:U:240.0V I:0.1091A P:23.09W PF:0.8816 Lamp Flux:2085.66x1 lm |         |                  |
| NAME: TRIM_1160_REC_WHT_OPAL_HE_150mA_TUNABLE @ 4000KPE: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         | 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         | 1.04                  | 1.00 | .96  | 1.02 | .98  | .95  | .98                             | .95  | .92  | .94  | .91  | .89  | .90  | .88  | .86  | .84 |
| 2.0         | .91                   | .84  | .79  | .89  | .83  | .78  | .86                             | .81  | .76  | .82  | .78  | .74  | .79  | .76  | .73  | .70 |
| 3.0         | .80                   | .72  | .66  | .79  | .71  | .65  | .76                             | .69  | .64  | .73  | .67  | .63  | .70  | .66  | .62  | .60 |
| 4.0         | .71                   | .62  | .56  | .70  | .62  | .55  | .67                             | .60  | .55  | .65  | .59  | .54  | .63  | .58  | .53  | .51 |
| 5.0         | .64                   | .55  | .48  | .63  | .54  | .48  | .60                             | .53  | .47  | .58  | .52  | .47  | .57  | .51  | .46  | .44 |
| 6.0         | .57                   | .49  | .42  | .56  | .48  | .42  | .55                             | .47  | .42  | .53  | .46  | .41  | .51  | .45  | .41  | .39 |
| 7.0         | .52                   | .43  | .37  | .51  | .43  | .37  | .50                             | .42  | .37  | .48  | .42  | .37  | .47  | .41  | .36  | .34 |
| 8.0         | .48                   | .39  | .33  | .47  | .39  | .33  | .46                             | .38  | .33  | .44  | .38  | .33  | .43  | .37  | .33  | .31 |
| 9.0         | .44                   | .36  | .30  | .43  | .35  | .30  | .42                             | .35  | .30  | .41  | .34  | .30  | .40  | .34  | .29  | .28 |
| 10.0        | .40                   | .33  | .27  | .40  | .32  | .27  | .39                             | .32  | .27  | .38  | .31  | .27  | .37  | .31  | .27  | .25 |



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:JEFF  
Test Date:03 April 2024

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
Humidity:65.0%  
Test Distance:7.890m [K=1.0000]  
Remarks:

**WEC AND CCEC**

|   |         |                  |
|---|---------|------------------|
| Test:U:240.0V I:0.1091A P:23.09W PF:0.8816 Lamp Flux:2085.66x1 lm |         |                  |
| NAME: TRIM_1160_REC_WHT_OPAL_HE_150mA_TUNABLE @ 4000KPE: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  | .301                  | .171 | .054 | .294 | .168 | .053 | .281                             | .161 | .051 | .268 | .155 | .050 | .257 | .149 | .048 |   |  |
| 2.0  | .285                  | .156 | .048 | .279 | .154 | .047 | .267                             | .149 | .046 | .256 | .144 | .045 | .246 | .139 | .044 |   |  |
| 3.0  | .265                  | .141 | .042 | .259 | .139 | .042 | .249                             | .135 | .041 | .239 | .131 | .040 | .231 | .128 | .040 |   |  |
| 4.0  | .245                  | .127 | .037 | .240 | .126 | .037 | .231                             | .122 | .037 | .222 | .119 | .036 | .215 | .117 | .036 |   |  |
| 5.0  | .227                  | .116 | .033 | .223 | .114 | .033 | .214                             | .112 | .033 | .207 | .109 | .032 | .200 | .107 | .032 |   |  |
| 6.0  | .211                  | .106 | .030 | .207 | .104 | .030 | .200                             | .102 | .030 | .193 | .100 | .029 | .187 | .098 | .029 |   |  |
| 7.0  | .196                  | .097 | .028 | .193 | .096 | .027 | .186                             | .094 | .027 | .180 | .093 | .027 | .175 | .091 | .027 |   |  |
| 8.0  | .184                  | .090 | .025 | .181 | .089 | .025 | .175                             | .087 | .025 | .169 | .086 | .025 | .164 | .084 | .025 |   |  |
| 9.0  | .172                  | .083 | .023 | .169 | .083 | .023 | .164                             | .081 | .023 | .159 | .080 | .023 | .155 | .079 | .023 |   |  |
| 10.0 | .162                  | .078 | .022 | .160 | .077 | .021 | .155                             | .076 | .021 | .150 | .075 | .021 | .146 | .074 | .021 |   |  |

| 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  | .180                  | .156 | .135 | .154 | .134 | .116 | .105                                       | .092 | .080 | .061 | .053 | .047 | .019 | .017 | .015 |   |
| 2.0  | .171                  | .132 | .099 | .147 | .114 | .085 | .101                                       | .079 | .060 | .058 | .046 | .035 | .019 | .015 | .011 |   |
| 3.0  | .163                  | .114 | .075 | .140 | .099 | .065 | .096                                       | .068 | .046 | .056 | .040 | .027 | .018 | .013 | .009 |   |
| 4.0  | .156                  | .101 | .059 | .134 | .087 | .051 | .092                                       | .061 | .036 | .053 | .036 | .021 | .017 | .012 | .007 |   |
| 5.0  | .148                  | .090 | .048 | .127 | .078 | .041 | .088                                       | .055 | .029 | .051 | .032 | .017 | .016 | .010 | .006 |   |
| 6.0  | .141                  | .082 | .040 | .121 | .071 | .034 | .084                                       | .050 | .024 | .049 | .029 | .014 | .016 | .010 | .005 |   |
| 7.0  | .134                  | .075 | .034 | .116 | .065 | .029 | .080                                       | .046 | .021 | .046 | .027 | .012 | .015 | .009 | .004 |   |
| 8.0  | .128                  | .069 | .029 | .110 | .060 | .025 | .076                                       | .042 | .018 | .044 | .025 | .011 | .014 | .008 | .004 |   |
| 9.0  | .122                  | .064 | .025 | .105 | .056 | .022 | .073                                       | .039 | .016 | .042 | .023 | .009 | .014 | .008 | .003 |   |
| 10.0 | .116                  | .060 | .023 | .100 | .052 | .020 | .070                                       | .037 | .014 | .041 | .022 | .008 | .013 | .007 | .003 |   |

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:JEFF  
Test Date:03 April 2024

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
Humidity:65.0%  
Test Distance:7.890m [K=1.0000]  
Remarks:

**UGR(Unified Glare Rating) Table**

|   |                  |      |      |      |       |                |         |                  |      |      |
|---|------------------|------|------|------|-------|----------------|---------|------------------|------|------|
| Test:U:240.0V I:0.1091A P:23.09W PF:0.8816 Lamp Flux:2085.66x1 lm |                  |      |      |      |       |                |         |                  |      |      |
| NAME: TRIM_1160_REC_WHT_OPAL_HE_150mA_TUNABLE @ 4000KPE: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   | 19.3             | 20.8 | 19.6 | 21.0 | 21.2  | 19.1           | 20.6    | 19.3             | 20.8 | 21.0 |
| 3H  | 20.8             | 22.2 | 21.1 | 22.4 | 22.6  | 20.5           | 21.9    | 20.8             | 22.1 | 22.3 |
| 4H  | 21.3             | 22.6 | 21.6 | 22.9 | 23.1  | 21.0           | 22.3    | 21.3             | 22.6 | 22.8 |
| 6H  | 21.7             | 22.9 | 22.0 | 23.2 | 23.5  | 21.4           | 22.6    | 21.7             | 22.9 | 23.2 |
| 8H  | 21.8             | 23.0 | 22.1 | 23.2 | 23.5  | 21.5           | 22.7    | 21.8             | 23.0 | 23.2 |
| 12H   | 21.8             | 22.9 | 22.1 | 23.2 | 23.5  | 21.5           | 22.7    | 21.9             | 23.0 | 23.3 |
| 4H 2H   | 19.9             | 21.2 | 20.2 | 21.4 | 21.7  | 19.7           | 21.0    | 20.0             | 21.2 | 21.5 |
| 3H  | 21.5             | 22.7 | 21.9 | 22.9 | 23.3  | 21.3           | 22.4    | 21.6             | 22.7 | 23.0 |
| 4H  | 22.2             | 23.2 | 22.5 | 23.5 | 23.9  | 21.9           | 23.0    | 22.3             | 23.3 | 23.6 |
| 6H  | 22.6             | 23.6 | 23.0 | 23.9 | 24.3  | 22.4           | 23.3    | 22.8             | 23.7 | 24.0 |
| 8H  | 22.8             | 23.6 | 23.2 | 24.0 | 24.4  | 22.5           | 23.4    | 22.9             | 23.8 | 24.1 |
| 12H   | 22.8             | 23.6 | 23.3 | 24.0 | 24.4  | 22.6           | 23.4    | 23.0             | 23.8 | 24.2 |
| 8H 4H   | 22.4             | 23.3 | 22.8 | 23.6 | 24.0  | 22.2           | 23.0    | 22.6             | 23.4 | 23.8 |
| 6H  | 23.0             | 23.7 | 23.4 | 24.1 | 24.5  | 22.8           | 23.5    | 23.2             | 23.9 | 24.3 |
| 8H  | 23.2             | 23.8 | 23.6 | 24.2 | 24.7  | 23.0           | 23.6    | 23.4             | 24.0 | 24.5 |
| 12H   | 23.3             | 23.8 | 23.8 | 24.3 | 24.7  | 23.1           | 23.6    | 23.6             | 24.1 | 24.6 |
| 12H 4H  | 22.4             | 23.2 | 22.8 | 23.6 | 24.0  | 22.2           | 23.0    | 22.6             | 23.3 | 23.7 |
| 6H  | 23.0             | 23.6 | 23.5 | 24.1 | 24.5  | 22.8           | 23.4    | 23.2             | 23.9 | 24.3 |
| 8H  | 23.2             | 23.8 | 23.7 | 24.2 | 24.7  | 23.0           | 23.6    | 23.5             | 24.0 | 24.5 |
| Variations with the observer position at spacings:                |                  |      |      |      |       |                |         |                  |      |      |
| S = 1.0H  | + 0.2 / - 0.2    |      |      |      |       | + 0.2 / - 0.2  |         |                  |      |      |
| 1.5H  | + 0.2 / - 0.3    |      |      |      |       | + 0.2 / - 0.3  |         |                  |      |      |
| 2.0H  | + 0.2 / - 0.3    |      |      |      |       | + 0.2 / - 0.3  |         |                  |      |      |

CIE Pub.117 Corrected 2086 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:03 April 2024

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
Humidity:65.0%  
Test Distance:7.890m [K=1.0000]  
Remarks:

**UTILIZATION FACTORS TABLE**

|   |          |                  |
|---|----------|------------------|
| Test:U:240.0V I:0.1091A P:23.09W PF:0.8816 Lamp Flux:2085.66x1 lm |          |                  |
| NAME: TRIM_1160_REC_WHT_OPAL_HE_150mA_TUNABLE @ 4000K             | TYPE:LED | WEIGHT:          |
| SPEC.:  | DIM.:    | SERIAL No.:1     |
| MFR.: DARKON  | SUR.:    | Shielding Angle: |

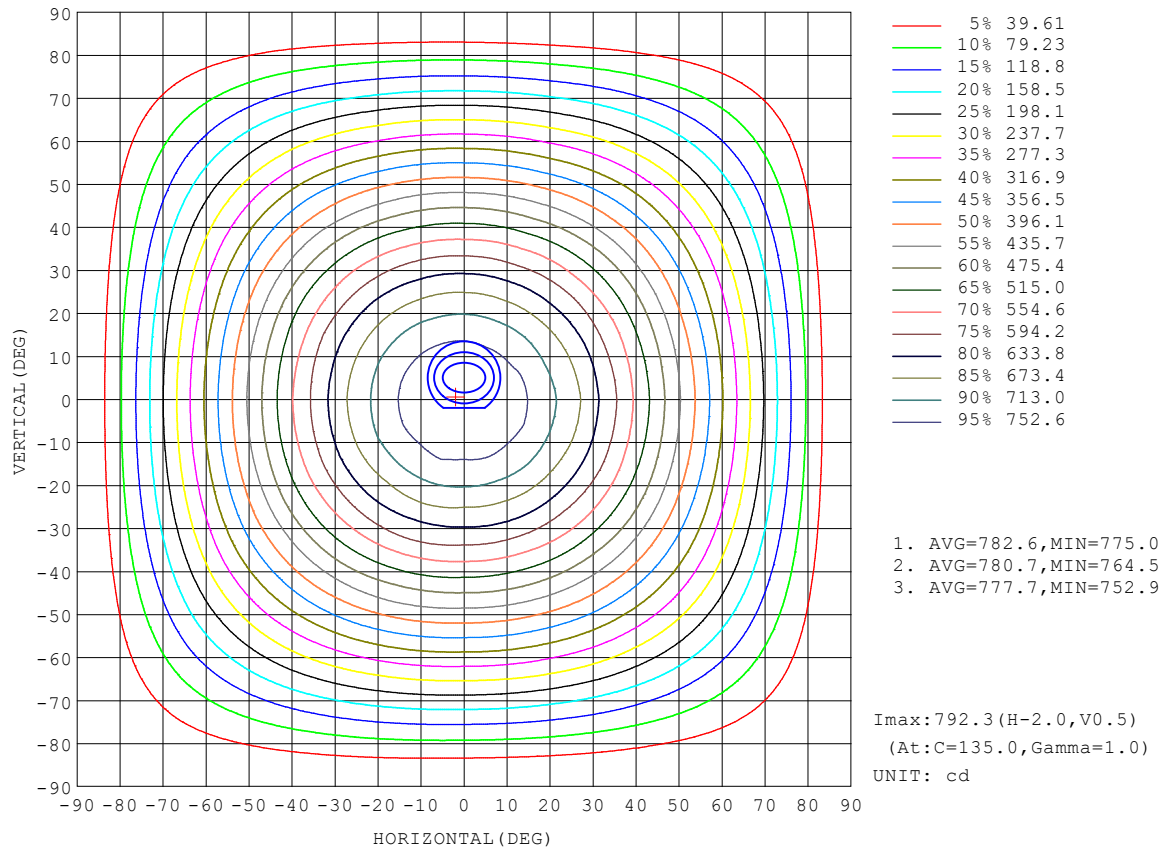
| REFLECTANCE                      |  |     |           |     |     |     |     |               |     |        |
|----------------------------------|--|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling                          | 0.8  | 0.8 | 0.8       | 0.7 | 0.7 | 0.7 | 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) $k(RI) \times RCR = 5$ |     |           |     |     |     |     |               |     |        |
| $k = 0.60$                       | 59   | 47  | 40        | 58  | 47  | 40  | 57  | 46            | 40  | 34     |
| 0.80                             | 69   | 57  | 50        | 68  | 57  | 50  | 66  | 56            | 49  | 43     |
| 1.00                             | 77   | 66  | 59        | 76  | 65  | 59  | 74  | 67            | 58  | 51     |
| 1.25                             | 84   | 74  | 67        | 83  | 73  | 66  | 80  | 72            | 66  | 58     |
| 1.50                             | 89   | 79  | 72        | 87  | 78  | 72  | 84  | 77            | 71  | 63     |
| 2.00                             | 96   | 87  | 81        | 94  | 86  | 80  | 90  | 84            | 79  | 71     |
| 2.50                             | 99   | 92  | 86        | 97  | 91  | 85  | 94  | 88            | 83  | 75     |
| 3.00                             | 103  | 96  | 91        | 101 | 95  | 90  | 97  | 92            | 87  | 79     |
| 4.00                             | 107  | 101 | 97        | 104 | 99  | 95  | 100 | 96            | 93  | 84     |
| 5.00                             | 109  | 104 | 100       | 107 | 102 | 99  | 102 | 99            | 96  | 87     |
| 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:03 April 2024

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
Humidity:65.0%  
Test Distance:7.890m [K=1.0000]  
Remarks:

**ISOCANDELA DIAGRAM**

|   |         |                  |
|---|---------|------------------|
| Test:U:240.0V I:0.1091A P:23.09W PF:0.8816 Lamp Flux:2085.66x1 lm |         |                  |
| NAME: TRIM_1160_REC_WHT_OPAL_HE_150mA_TUNABLE @ 4000KPE:LED       | WEIGHT: |                  |
| SPEC.:  | DIM.:   | SERIAL No.:1     |
| MFR.: DARKON  | SUR.:   | Shielding Angle: |



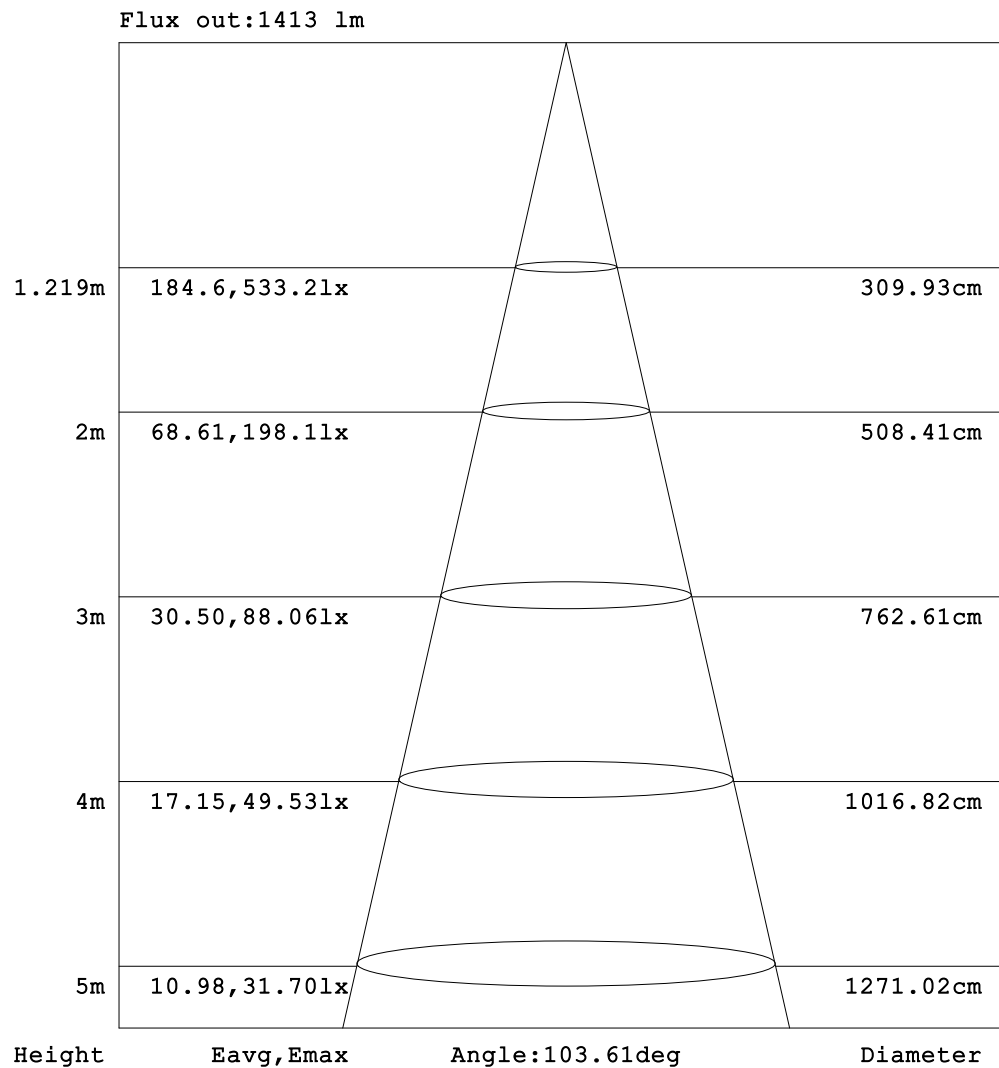
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:JEFF  
Test Date:03 April 2024

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
Humidity:65.0%  
Test Distance:7.890m [K=1.0000]  
Remarks:



### AAI Figure

|   |         |                  |
|---|---------|------------------|
| Test:U:240.0V I:0.1091A P:23.09W PF:0.8816 Lamp Flux:2085.66x1 lm |         |                  |
| NAME: TRIM_1160_REC_WHT_OPAL_HE_150mA_TUNABLE @ 4000KPE:LED       | WEIGHT: |                  |
| SPEC.:  | DIM.:   | SERIAL No.:1     |
| MFR.: DARKON  | SUR.:   | Shielding Angle: |



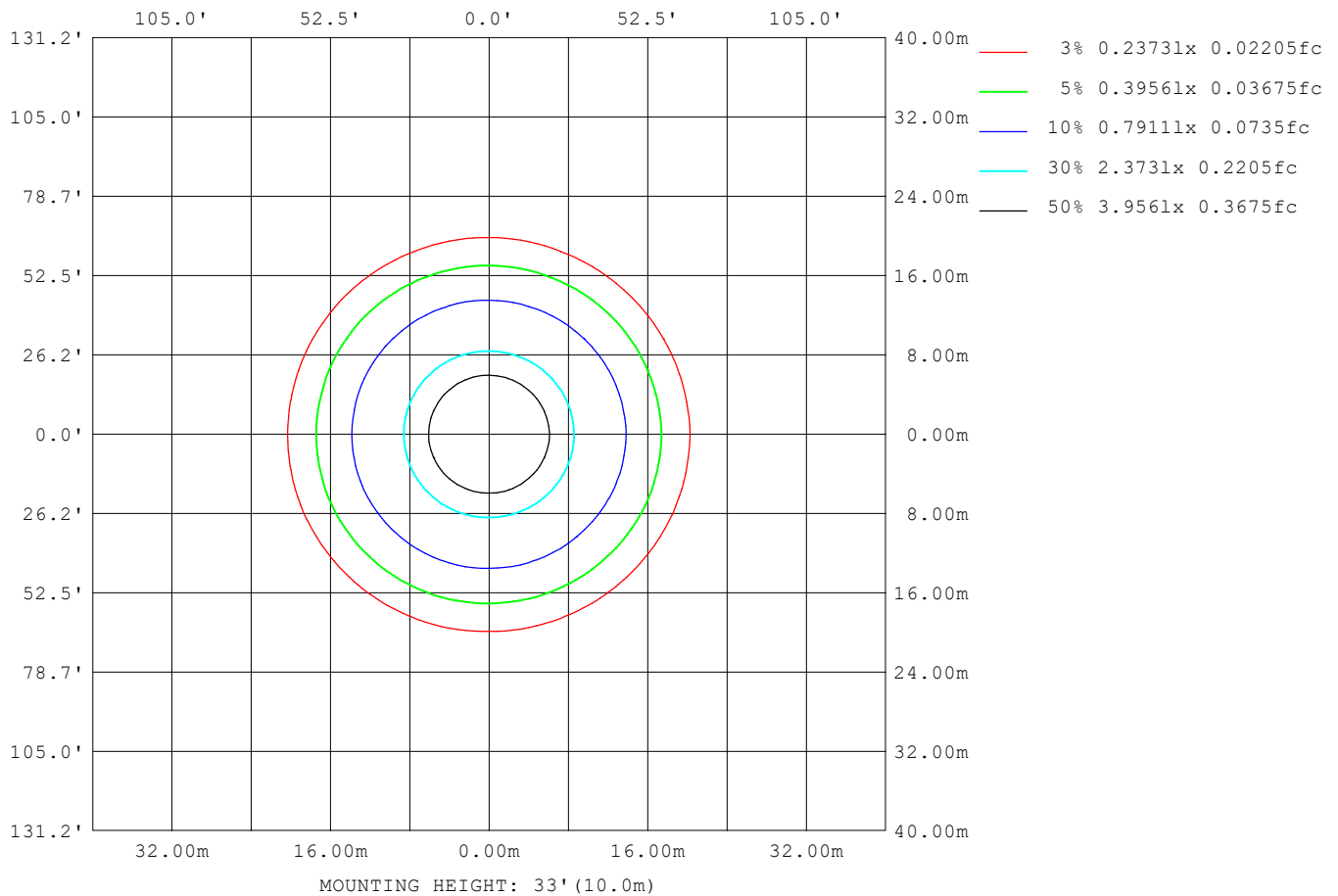
**Note:**The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:JEFF  
Test Date:03 April 2024

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
Humidity:65.0%  
Test Distance:7.890m [K=1.0000]  
Remarks:

**ISOLUX DIAGRAM**

|   |         |                  |
|---|---------|------------------|
| Test:U:240.0V I:0.1091A P:23.09W PF:0.8816 Lamp Flux:2085.66x1 lm |         |                  |
| NAME: TRIM_1160_REC_WHT_OPAL_HE_150mA_TUNABLE @ 4000KPE: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:03 April 2024

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
Humidity:65.0%  
Test Distance:7.890m [K=1.0000]  
Remarks:

### LED Avg.L Report

|   |          |                  |
|---|----------|------------------|
| Test:U:240.0V I:0.1091A P:23.09W PF:0.8816 Lamp Flux:2085.66x1 lm |          |                  |
| NAME: TRIM_1160_REC_WHT_OPAL_HE_150mA_TUNABLE @ 4000K             | TYPE:LED | WEIGHT:          |
| SPEC.:  | DIM.:    | SERIAL No.:1     |
| MFR.: DARKON  | SUR.:    | Shielding Angle: |

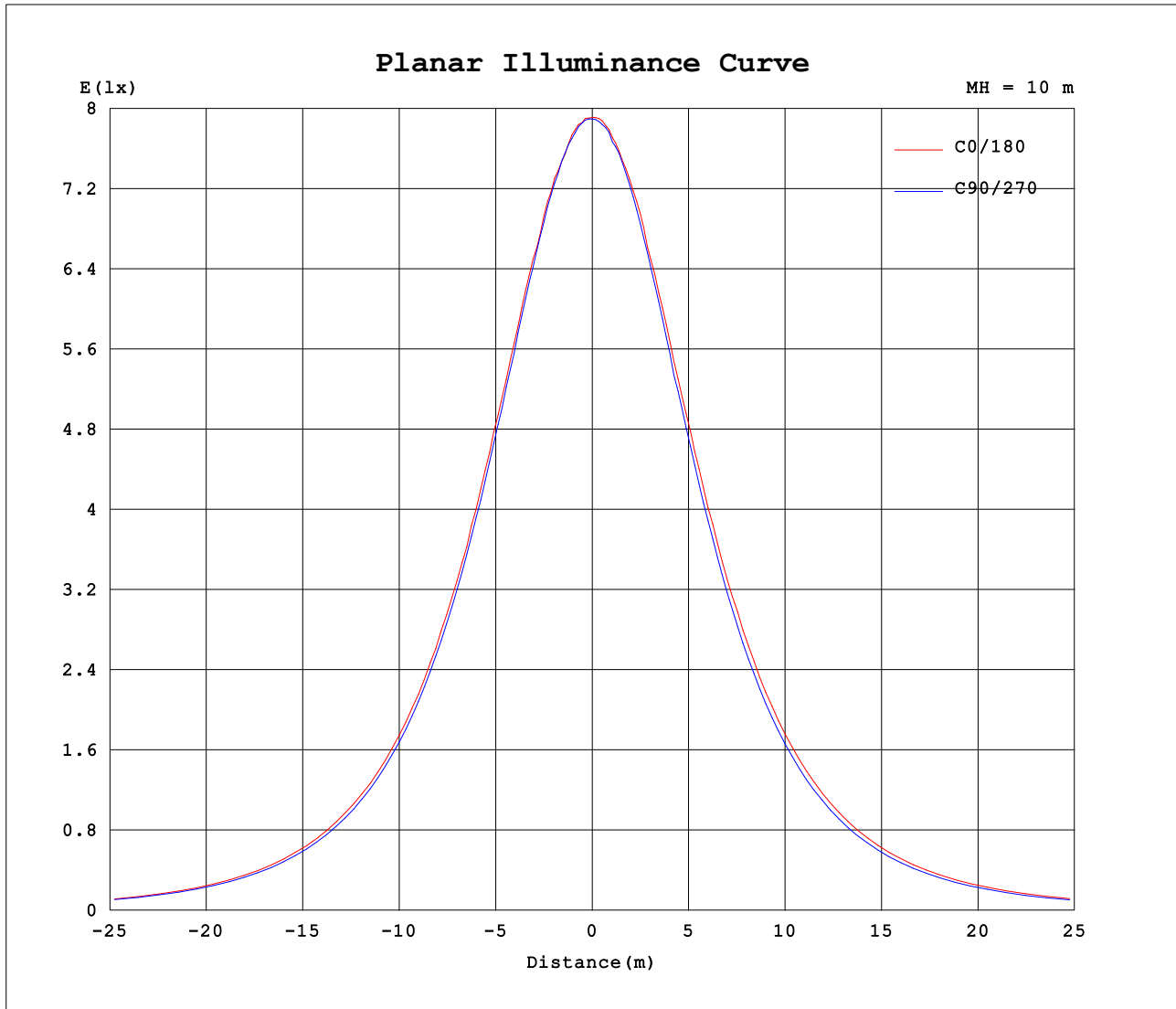
| AvgL             | cd/m2 |
|------------------|-------|
| L_0~180 (65) av  | 5963  |
| L_0~180 (75) av  | 5019  |
| L_0~180 (85) av  | 2910  |
| L_90~270 (65) av | 5535  |
| L_90~270 (75) av | 4635  |
| L_90~270 (85) av | 2793  |
| L_45 (65) av     | 5752  |
| L_45 (75) av     | 4815  |
| L_45 (85) av     | 2856  |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:JEFF  
Test Date:03 April 2024

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
Humidity:65.0%  
Test Distance:7.890m [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: 03 April 2024

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
Humidity: 65.0%  
Test Distance: 7.890m [K=1.0000]  
Remarks:

```

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:7.890m [K=1.0000]
Remarks:

```