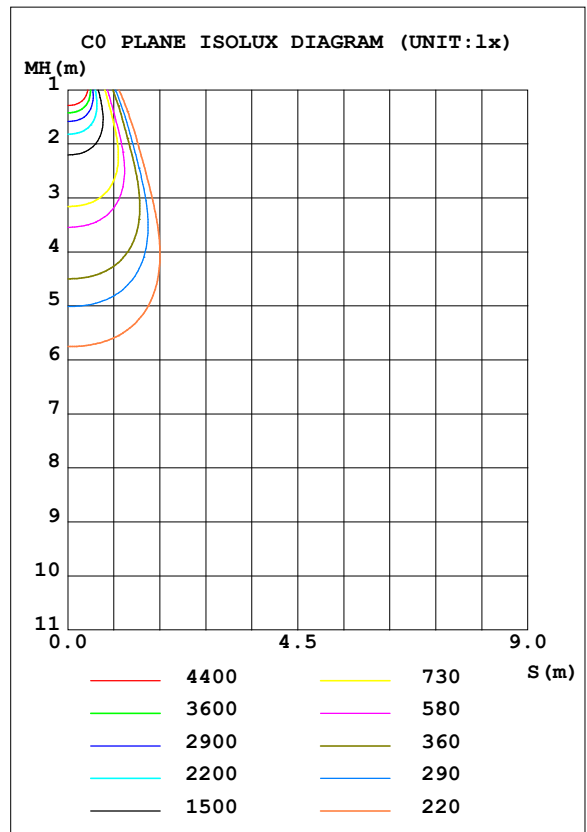
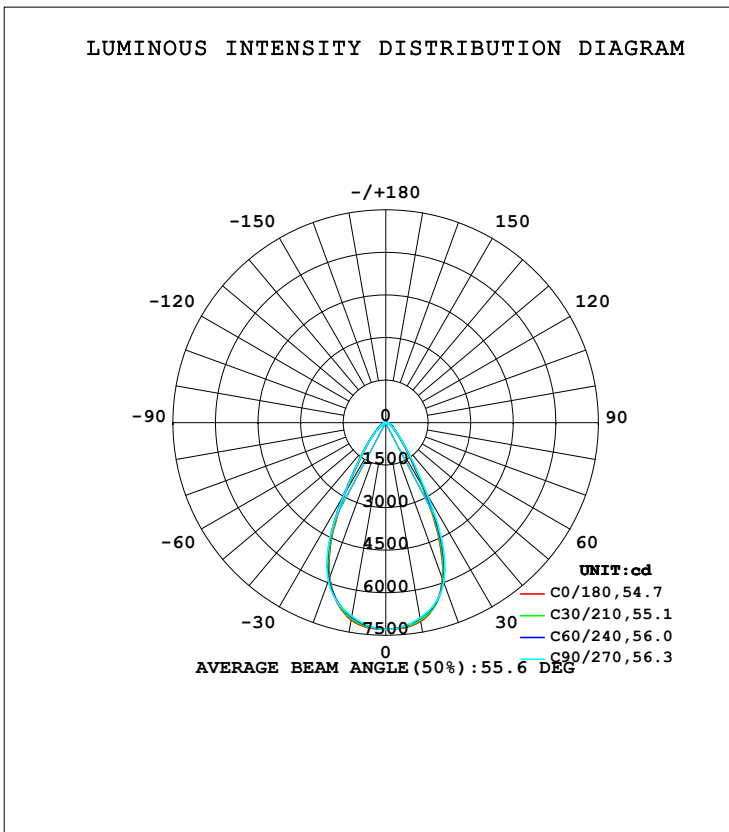


LUMINAIRE PHOTOMETRIC TEST REPORT

|   |                  |                  |
|---|------------------|------------------|
| Test:U:230.1V I:0.2401A P:53.04W PF:0.9601 Lamp Flux:6616.16x1 lm |                  |                  |
| NAME: 146-320_321 + 146-327                                       | TYPE:            | WEIGHT:          |
| SPEC.:  | DIM.:            | SERIAL No.:      |
| MFR.: Tronix Lighting   | SUR.:0.164*0.098 | Shielding Angle: |

| DATA OF LAMP      |         | PHOTOMETRIC DATA Eff: 124.73 lm/W |        |                     |           |
|-------------------|---------|-----------------------------------|--------|---------------------|-----------|
| MODEL             | RF303   | I <sub>max</sub> (cd)             | 7288   | S/MH (C0/180)       | 0.82      |
| NOMINAL POWER (W) | 50      | LOR (%)                           | 100.0  | S/MH (C90/270)      | 0.83      |
| RATED VOLTAGE (V) | 230     | TOTAL FLUX (lm)                   | 6616.2 | η UP, DN (C0-180)   | 0.0, 49.9 |
| NOMINAL FLUX (lm) | 6616.16 | CIE CLASS                         | DIRECT | η UP, DN (C180-360) | 0.0, 50.1 |
| LAMPS INSIDE      | 1       | η up (%)                          | 0.0    | CIBSE SHR NOM       | 0.75      |
| TEST VOLTAGE (V)  | 230     | η down (%)                        | 100.0  | CIBSE SHR MAX       | 0.85      |



C Range: 0 - 360DEG  
 C Interval: 2.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2019-11-06

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
 Humidity: 65.0%  
 Test Distance: 9.470m [K=1.0000]  
 Remarks:

Checker: LI

Assessor:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

| γ   | C0                    | C45    | C90    | C135   | C180   | C225   | C270   | C315   | γ       | Φ zone | Φ total | %lum,lamp |
|-----|-----------------------|--------|--------|--------|--------|--------|--------|--------|---------|--------|---------|-----------|
| 5   | 7259                  | 7232   | 7211   | 7243   | 7249   | 7212   | 7181   | 7204   | 0- 5    | 173.4  | 173.4   | 2.62,2.62 |
| 10  | 7108                  | 7051   | 6990   | 7043   | 7055   | 6980   | 6932   | 7007   | 5- 10   | 509.7  | 683.1   | 10.3,10.3 |
| 15  | 6689                  | 6687   | 6630   | 6625   | 6589   | 6544   | 6561   | 6630   | 10- 15  | 809.8  | 1493    | 22.6,22.6 |
| 20  | 5843                  | 5953   | 5977   | 5868   | 5782   | 5820   | 5926   | 5888   | 15- 20  | 1034   | 2526    | 38.2,38.2 |
| 25  | 4380                  | 4603   | 4745   | 4619   | 4538   | 4637   | 4766   | 4553   | 20- 25  | 1106   | 3633    | 54.9,54.9 |
| 30  | 2549                  | 2703   | 2922   | 2883   | 2857   | 2964   | 2994   | 2735   | 25- 30  | 937.7  | 4570    | 69.1,69.1 |
| 35  | 1490                  | 1531   | 1633   | 1610   | 1620   | 1695   | 1704   | 1593   | 30- 35  | 626.8  | 5197    | 78.6,78.6 |
| 40  | 947.4                 | 951.6  | 990.2  | 986.6  | 1015   | 1046   | 1047   | 988.3  | 35- 40  | 423.6  | 5621    | 85,85     |
| 45  | 623.9                 | 629.2  | 645.3  | 647.9  | 664.6  | 656.0  | 645.7  | 619.5  | 40- 45  | 296.4  | 5917    | 89.4,89.4 |
| 50  | 417.4                 | 432.1  | 431.2  | 444.1  | 442.7  | 431.2  | 407.1  | 409.6  | 45- 50  | 211.7  | 6129    | 92.6,92.6 |
| 55  | 288.8                 | 308.2  | 293.4  | 316.9  | 307.5  | 301.1  | 274.7  | 287.2  | 50- 55  | 155.4  | 6284    | 95,95     |
| 60  | 198.2                 | 221.1  | 199.5  | 228.0  | 212.3  | 216.8  | 186.9  | 206.6  | 55- 60  | 116.3  | 6401    | 96.7,96.7 |
| 65  | 135.6                 | 156.5  | 133.3  | 162.5  | 145.1  | 153.6  | 123.5  | 145.9  | 60- 65  | 86.22  | 6487    | 98,98     |
| 70  | 98.03                 | 99.34  | 87.57  | 105.8  | 103.3  | 99.09  | 81.87  | 91.76  | 65- 70  | 61.17  | 6548    | 99,99     |
| 75  | 63.20                 | 50.35  | 58.33  | 55.41  | 72.83  | 52.24  | 53.40  | 47.09  | 70- 75  | 39.51  | 6587    | 99.6,99.6 |
| 80  | 25.65                 | 22.18  | 22.93  | 26.05  | 33.26  | 24.26  | 20.38  | 20.40  | 75- 80  | 20.85  | 6608    | 99.9,99.9 |
| 85  | 4.179                 | 3.536  | 3.400  | 5.323  | 7.460  | 5.313  | 3.459  | 3.500  | 80- 85  | 6.951  | 6615    | 100,100   |
| 90  | 0.6484                | 0.6413 | 0.5749 | 0.5990 | 0.7011 | 0.7108 | 0.6878 | 0.7232 | 85- 90  | 0.9255 | 6616    | 100,100   |
| 95  |                       |        |        |        |        |        |        |        | 90- 95  |        |         |           |
| 100 |                       |        |        |        |        |        |        |        | 95-100  |        |         |           |
| 105 |                       |        |        |        |        |        |        |        | 100-105 |        |         |           |
| 110 |                       |        |        |        |        |        |        |        | 105-110 |        |         |           |
| 115 |                       |        |        |        |        |        |        |        | 110-115 |        |         |           |
| 120 |                       |        |        |        |        |        |        |        | 115-120 |        |         |           |
| 125 |                       |        |        |        |        |        |        |        | 120-125 |        |         |           |
| 130 |                       |        |        |        |        |        |        |        | 125-130 |        |         |           |
| 135 |                       |        |        |        |        |        |        |        | 130-135 |        |         |           |
| 140 |                       |        |        |        |        |        |        |        | 135-140 |        |         |           |
| 145 |                       |        |        |        |        |        |        |        | 140-145 |        |         |           |
| 150 |                       |        |        |        |        |        |        |        | 145-150 |        |         |           |
| 155 |                       |        |        |        |        |        |        |        | 150-155 |        |         |           |
| 160 |                       |        |        |        |        |        |        |        | 155-160 |        |         |           |
| 165 |                       |        |        |        |        |        |        |        | 160-165 |        |         |           |
| 170 |                       |        |        |        |        |        |        |        | 165-170 |        |         |           |
| 175 |                       |        |        |        |        |        |        |        | 170-175 |        |         |           |
| 180 |                       |        |        |        |        |        |        |        | 175-180 |        |         |           |
| DEG | LUMINOUS INTENSITY:cd |        |        |        |        |        |        |        | UNIT:lm |        |         |           |

Conical surface Flux(90deg): 5917.2 lm

%lum = 89.4%  
%lamp = 89.4%

Conical surface Flux(120deg): 6400.5 lm

%lum = 96.7%  
%lamp = 96.7%

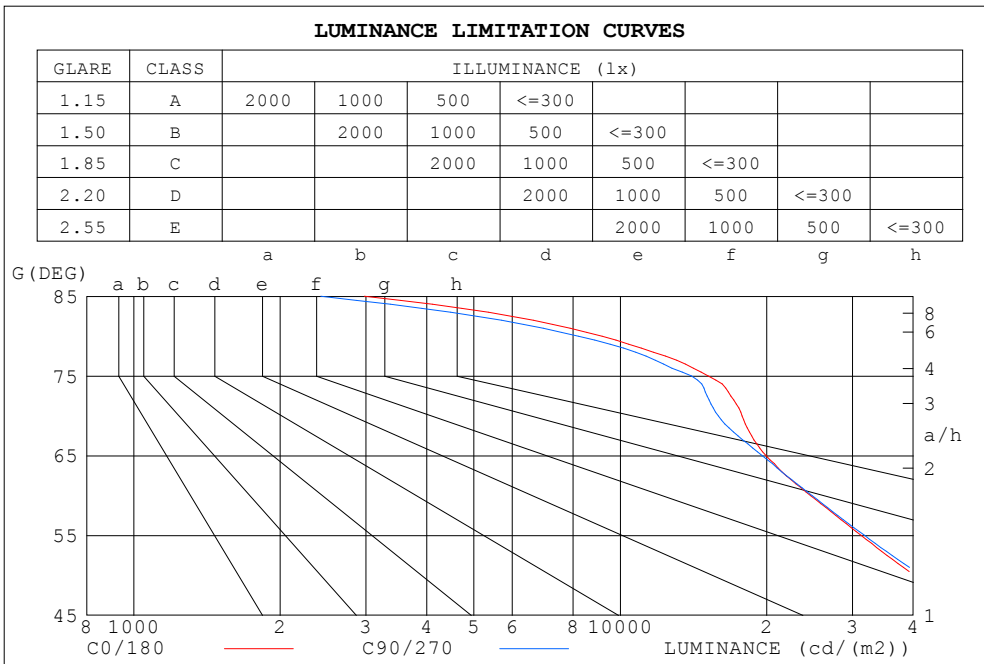
C Range: 0 - 360DEG  
C Interval: 2.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2019-11-06

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
Humidity:65.0%  
Test Distance:9.470m [K=1.0000]  
Remarks:

Checker: LI

Assessor:

LUMINANCE LIMITATION CURVES



| LUMINANCE cd/(m2) |        |         |
|-------------------|--------|---------|
| G (DEG)           | C0/180 | C90/270 |
| 85                | 2979   | 2423    |
| 80                | 9176   | 8203    |
| 75                | 15167  | 13998   |
| 70                | 17802  | 15903   |
| 65                | 19925  | 19586   |
| 60                | 24622  | 24784   |
| 55                | 31279  | 31774   |
| 50                | 40333  | 41665   |
| 45                | 54801  | 56680   |

C Range: 0 - 360DEG  
 C Interval: 2.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2019-11-06

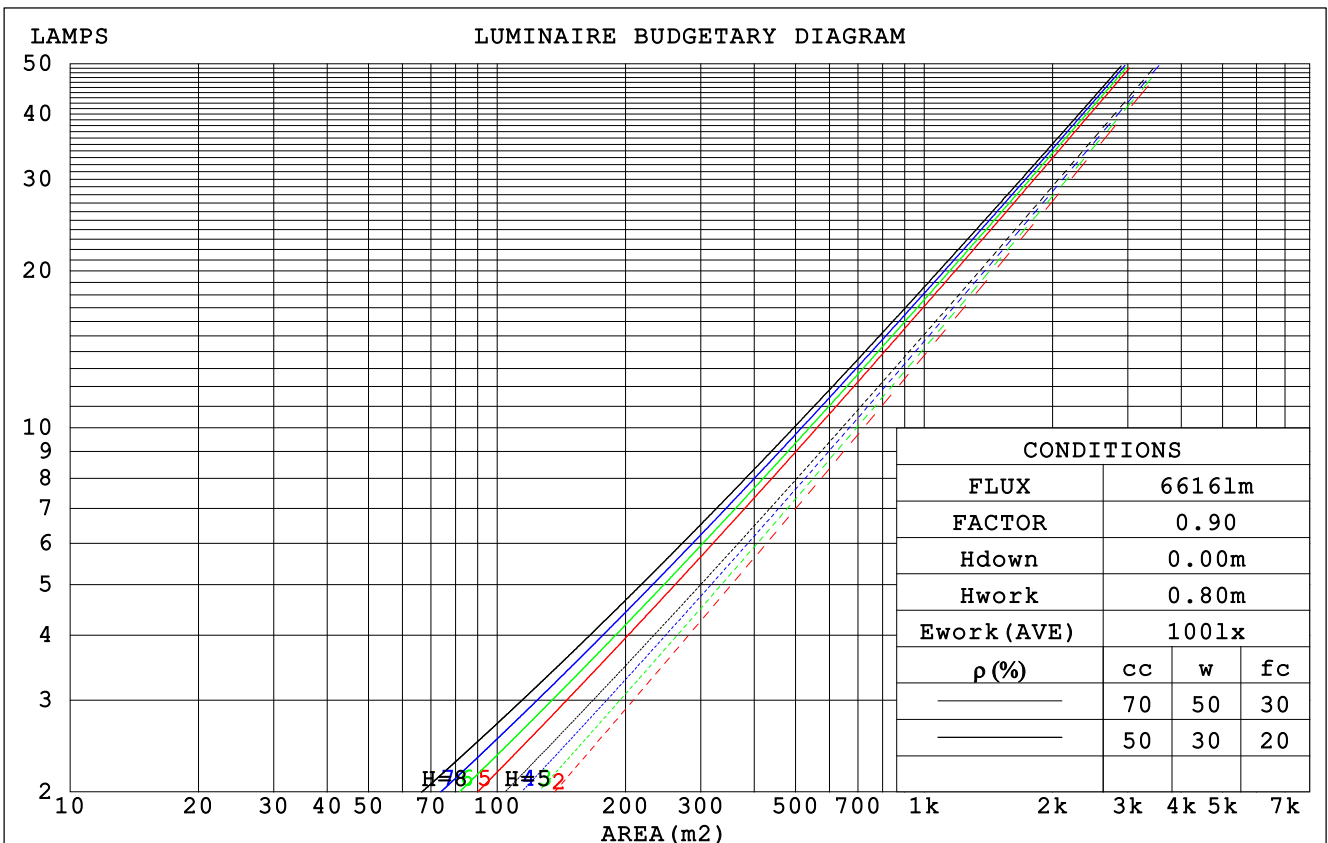
$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
 Humidity: 65.0%  
 Test Distance: 9.470m [K=1.0000]  
 Remarks:

Checker: LI

Assessor:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|             |                       |      |      |      |      |      |                                 |      |      |      |      |      |      |      |      |     |
|-------------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|------|------|------|-----|
| $\rho_{cc}$ | 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         | 1.10                  | 1.07 | 1.05 | 1.08 | 1.05 | 1.03 | 1.04                            | 1.02 | 1.00 | 1.00 | .99  | .97  | .97  | .95  | .94  | .92 |
| 2.0         | 1.02                  | .97  | .94  | .90  | .96  | .93  | .97                             | .93  | .91  | .94  | .91  | .89  | .91  | .89  | .87  | .85 |
| 3.0         | .94                   | .89  | .85  | .93  | .88  | .84  | .90                             | .86  | .83  | .88  | .84  | .81  | .85  | .83  | .80  | .78 |
| 4.0         | .88                   | .82  | .77  | .87  | .81  | .77  | .84                             | .80  | .76  | .82  | .78  | .75  | .80  | .77  | .74  | .73 |
| 5.0         | .82                   | .76  | .71  | .81  | .75  | .71  | .79                             | .74  | .70  | .77  | .73  | .70  | .76  | .72  | .69  | .67 |
| 6.0         | .77                   | .70  | .66  | .76  | .70  | .66  | .74                             | .69  | .65  | .73  | .68  | .65  | .71  | .67  | .64  | .63 |
| 7.0         | .72                   | .66  | .61  | .71  | .65  | .61  | .70                             | .65  | .61  | .69  | .64  | .60  | .68  | .63  | .60  | .59 |
| 8.0         | .68                   | .62  | .57  | .67  | .61  | .57  | .66                             | .61  | .57  | .65  | .60  | .57  | .64  | .60  | .56  | .55 |
| 9.0         | .64                   | .58  | .54  | .63  | .58  | .54  | .62                             | .57  | .53  | .62  | .57  | .53  | .61  | .56  | .53  | .52 |
| 10.0        | .60                   | .55  | .51  | .60  | .54  | .50  | .59                             | .54  | .50  | .58  | .54  | .50  | .58  | .53  | .50  | .49 |



C Range: 0 - 360DEG  
 C Interval: 2.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2019-11-06

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
 Humidity: 65.0%  
 Test Distance: 9.470m [K=1.0000]  
 Remarks:

Checker: LI

Assessor:

**WEC AND CCEC**

| $\rho_{cc}$ | 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 |      |      |      |      |      | Wall Exitance Coefficients(WEC) |      |      |      |      |      |      |      |      |   |
| 0.0         |                       |      |      |      |      |      |                                 |      |      |      |      |      |      |      |      |   |
| 1.0         | .192                  | .109 | .035 | .185 | .106 | .034 | .173                            | .099 | .032 | .161 | .093 | .030 | .150 | .087 | .028 |   |
| 2.0         | .184                  | .101 | .031 | .178 | .098 | .030 | .168                            | .093 | .029 | .158 | .089 | .028 | .149 | .084 | .027 |   |
| 3.0         | .175                  | .093 | .028 | .170 | .091 | .027 | .161                            | .087 | .026 | .152 | .083 | .026 | .144 | .080 | .025 |   |
| 4.0         | .165                  | .086 | .025 | .161 | .084 | .025 | .153                            | .081 | .024 | .146 | .078 | .024 | .139 | .075 | .023 |   |
| 5.0         | .157                  | .080 | .023 | .153 | .079 | .023 | .146                            | .076 | .022 | .140 | .074 | .022 | .134 | .071 | .021 |   |
| 6.0         | .149                  | .075 | .021 | .146 | .073 | .021 | .139                            | .071 | .021 | .134 | .069 | .020 | .128 | .068 | .020 |   |
| 7.0         | .141                  | .070 | .020 | .139 | .069 | .020 | .133                            | .067 | .019 | .128 | .066 | .019 | .123 | .064 | .019 |   |
| 8.0         | .135                  | .066 | .019 | .132 | .065 | .018 | .127                            | .064 | .018 | .123 | .062 | .018 | .118 | .061 | .018 |   |
| 9.0         | .129                  | .062 | .017 | .126 | .062 | .017 | .122                            | .060 | .017 | .118 | .059 | .017 | .114 | .058 | .017 |   |
| 10.0        | .123                  | .059 | .016 | .121 | .058 | .016 | .117                            | .057 | .016 | .113 | .056 | .016 | .110 | .055 | .016 |   |

| $\rho_{cc}$ | 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 |      |      |      |      |      | Ceiling Cavity Exitance Coefficients(CCEC) |      |      |      |      |      |      |      |      |   |
| 0.0         | .190                  | .190 | .190 | .163 | .163 | .163 | .111                                       | .111 | .111 | .064 | .064 | .064 | .020 | .020 | .020 |   |
| 1.0         | .172                  | .157 | .144 | .147 | .135 | .124 | .101                                       | .093 | .086 | .058 | .054 | .050 | .019 | .017 | .016 |   |
| 2.0         | .158                  | .132 | .111 | .135 | .114 | .096 | .093                                       | .079 | .067 | .053 | .046 | .039 | .017 | .015 | .013 |   |
| 3.0         | .146                  | .114 | .088 | .125 | .098 | .076 | .086                                       | .068 | .053 | .050 | .040 | .031 | .016 | .013 | .010 |   |
| 4.0         | .136                  | .099 | .071 | .117 | .086 | .062 | .080                                       | .060 | .043 | .046 | .035 | .026 | .015 | .011 | .008 |   |
| 5.0         | .128                  | .088 | .058 | .110 | .076 | .051 | .076                                       | .053 | .036 | .044 | .031 | .021 | .014 | .010 | .007 |   |
| 6.0         | .120                  | .078 | .048 | .103 | .068 | .042 | .071                                       | .048 | .030 | .041 | .028 | .018 | .013 | .009 | .006 |   |
| 7.0         | .114                  | .071 | .041 | .098 | .062 | .036 | .068                                       | .043 | .025 | .039 | .025 | .015 | .013 | .008 | .005 |   |
| 8.0         | .108                  | .065 | .035 | .093 | .056 | .031 | .064                                       | .039 | .022 | .037 | .023 | .013 | .012 | .008 | .004 |   |
| 9.0         | .103                  | .060 | .031 | .088 | .052 | .027 | .061                                       | .036 | .019 | .036 | .021 | .011 | .012 | .007 | .004 |   |
| 10.0        | .098                  | .055 | .027 | .084 | .048 | .023 | .059                                       | .034 | .017 | .034 | .020 | .010 | .011 | .007 | .003 |   |

C Range: 0 - 360DEG  
 C Interval: 2.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2019-11-06

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
 Humidity:65.0%  
 Test Distance:9.470m [K=1.0000]  
 Remarks:

Checker: LI

Assessor:

**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                                      | 21.9             | 23.0 | 22.2 | 23.1 | 23.3 | 22.2           | 23.2 | 22.4 | 23.4 | 23.5 |
| 3H   | 22.3             | 23.2 | 22.5 | 23.4 | 23.6 | 22.4           | 23.4 | 22.7 | 23.6 | 23.8 |
| 4H   | 22.4             | 23.3 | 22.7 | 23.5 | 23.7 | 22.5           | 23.4 | 22.8 | 23.6 | 23.8 |
| 6H   | 22.4             | 23.2 | 22.7 | 23.5 | 23.7 | 22.5           | 23.3 | 22.8 | 23.6 | 23.8 |
| 8H   | 22.4             | 23.2 | 22.7 | 23.4 | 23.7 | 22.5           | 23.3 | 22.8 | 23.5 | 23.8 |
| 12H  | 22.3             | 23.1 | 22.7 | 23.4 | 23.7 | 22.4           | 23.2 | 22.8 | 23.5 | 23.8 |
| 4H 2H  | 22.1             | 23.0 | 22.4 | 23.2 | 23.4 | 22.3           | 23.2 | 22.6 | 23.4 | 23.6 |
| 3H   | 22.6             | 23.3 | 22.9 | 23.6 | 23.9 | 22.7           | 23.4 | 23.0 | 23.7 | 24.0 |
| 4H   | 22.7             | 23.4 | 23.1 | 23.7 | 24.0 | 22.8           | 23.5 | 23.2 | 23.8 | 24.1 |
| 6H   | 22.8             | 23.4 | 23.2 | 23.7 | 24.1 | 22.8           | 23.4 | 23.2 | 23.8 | 24.1 |
| 8H   | 22.8             | 23.3 | 23.2 | 23.7 | 24.0 | 22.8           | 23.4 | 23.2 | 23.7 | 24.1 |
| 12H  | 22.7             | 23.2 | 23.1 | 23.6 | 24.0 | 22.8           | 23.3 | 23.2 | 23.7 | 24.0 |
| 8H 4H  | 22.7             | 23.3 | 23.1 | 23.6 | 24.0 | 22.8           | 23.3 | 23.2 | 23.7 | 24.1 |
| 6H   | 22.8             | 23.3 | 23.2 | 23.6 | 24.1 | 22.8           | 23.3 | 23.3 | 23.7 | 24.1 |
| 8H   | 22.8             | 23.2 | 23.2 | 23.6 | 24.0 | 22.8           | 23.2 | 23.3 | 23.6 | 24.1 |
| 12H  | 22.7             | 23.1 | 23.2 | 23.5 | 24.0 | 22.8           | 23.1 | 23.2 | 23.6 | 24.0 |
| 12H 4H   | 22.7             | 23.2 | 23.1 | 23.6 | 23.9 | 22.7           | 23.3 | 23.2 | 23.6 | 24.0 |
| 6H   | 22.7             | 23.2 | 23.2 | 23.6 | 24.0 | 22.8           | 23.2 | 23.2 | 23.6 | 24.1 |
| 8H   | 22.7             | 23.1 | 23.2 | 23.5 | 24.0 | 22.8           | 23.1 | 23.2 | 23.6 | 24.0 |
| Variations with the observer position at spacings: |                  |      |      |      |      |                |      |      |      |      |
| S = 1.0H   | + 1.1 / - 1.5    |      |      |      |      | + 1.3 / - 1.7  |      |      |      |      |
| 1.5H   | + 1.7 / - 1.0    |      |      |      |      | + 2.0 / - 1.2  |      |      |      |      |
| 2.0H   | + 1.8 / - 1.4    |      |      |      |      | + 2.0 / - 1.4  |      |      |      |      |

CIE Pub.117 Corrected 6616 lm Total Lamp Luminous Flux. (8log(F/F0) = 6.6)

C Range: 0 - 360DEG  
 C Interval: 2.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2019-11-06

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
 Humidity:65.0%  
 Test Distance:9.470m [K=1.0000]  
 Remarks:

Checker: LI

Assessor:

**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) $k(RI) \times RCR = 5$ |     |           |     |     |     |               |     |     |        |
| $k = 0.60$                       | 82   | 75  | 70        | 82  | 75  | 70  | 81            | 74  | 70  | 66     |
| 0.80                             | 90   | 83  | 79        | 89  | 83  | 79  | 88            | 82  | 78  | 74     |
| 1.00                             | 95   | 89  | 85        | 95  | 88  | 84  | 93            | 89  | 84  | 80     |
| 1.25                             | 100  | 94  | 90        | 99  | 93  | 90  | 97            | 92  | 89  | 84     |
| 1.50                             | 103  | 98  | 94        | 102 | 97  | 93  | 100           | 95  | 92  | 87     |
| 2.00                             | 107  | 102 | 98        | 105 | 101 | 97  | 102           | 99  | 96  | 90     |
| 2.50                             | 109  | 104 | 101       | 107 | 103 | 100 | 104           | 101 | 98  | 92     |
| 3.00                             | 110  | 107 | 103       | 109 | 105 | 102 | 105           | 102 | 100 | 93     |
| 4.00                             | 113  | 110 | 107       | 111 | 108 | 106 | 107           | 105 | 103 | 96     |
| 5.00                             | 114  | 111 | 109       | 112 | 110 | 108 | 108           | 106 | 105 | 97     |
| ROOM INDEX                       | UF(total)  |     |           |     |     |     |               |     |     | Direct |
| According to DIN EN 13032-2 2004 |  |     | Suspended |     |     |     | SHRNOM = 1.25 |     |     |        |

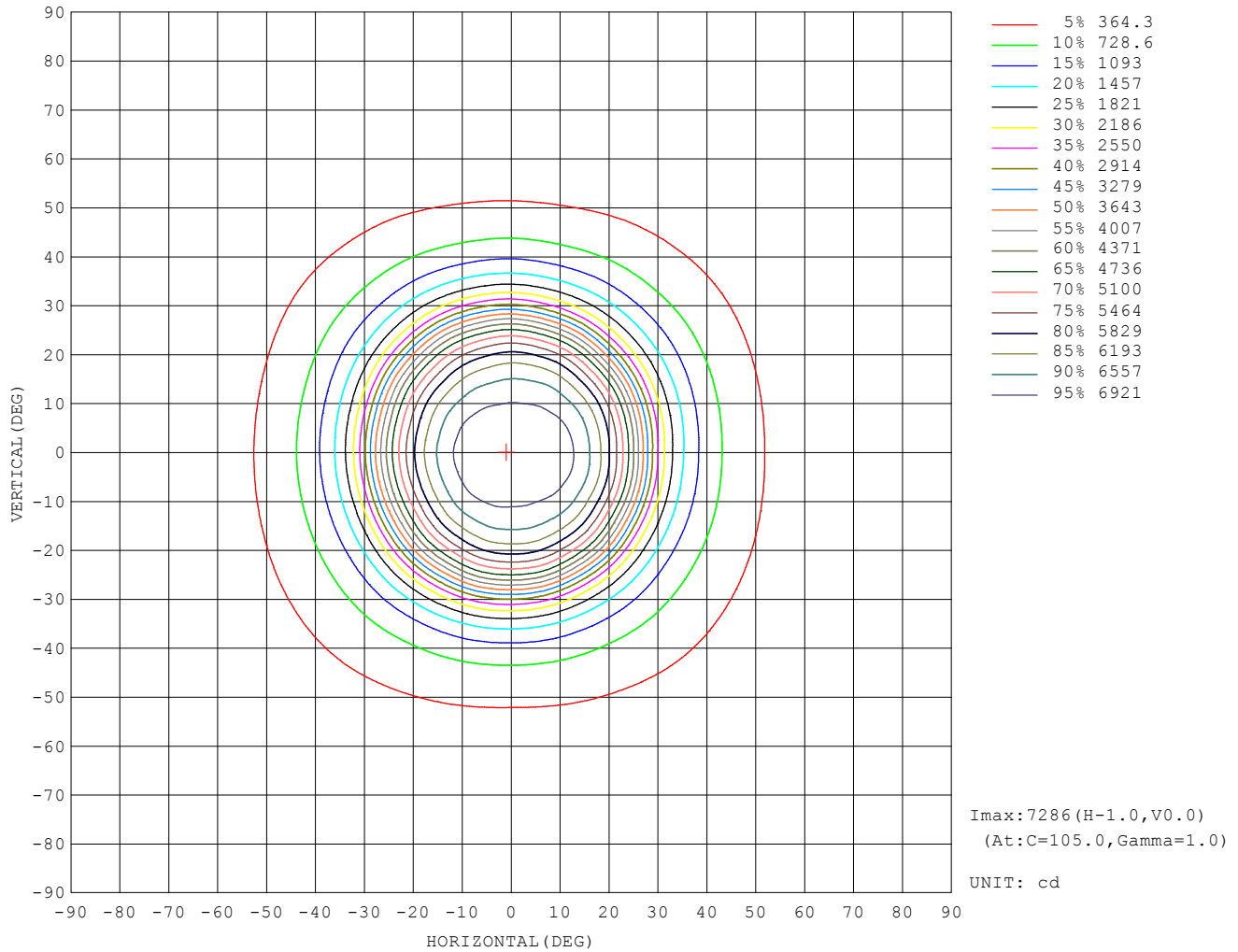
C Range: 0 - 360DEG  
 C Interval: 2.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2019-11-06

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
 Humidity: 65.0%  
 Test Distance: 9.470m [K=1.0000]  
 Remarks:

Checker: LI

Assessor:

ISOCANDELA DIAGRAM



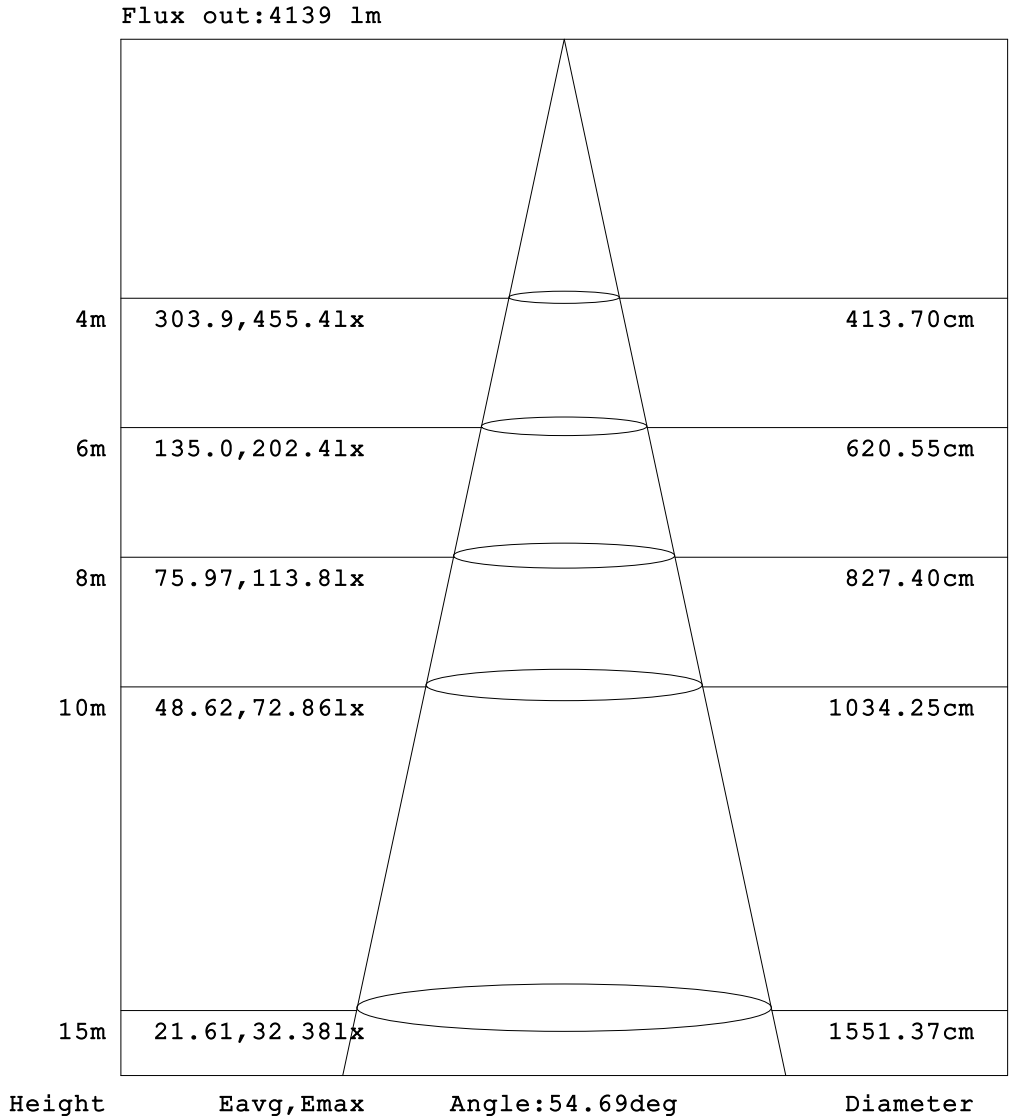
C Range: 0 - 360DEG  
 C Interval: 2.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2019-11-06

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
 Humidity: 65.0%  
 Test Distance: 9.470m [K=1.0000]  
 Remarks:

Checker: LI

Assessor:

AAI Figure



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

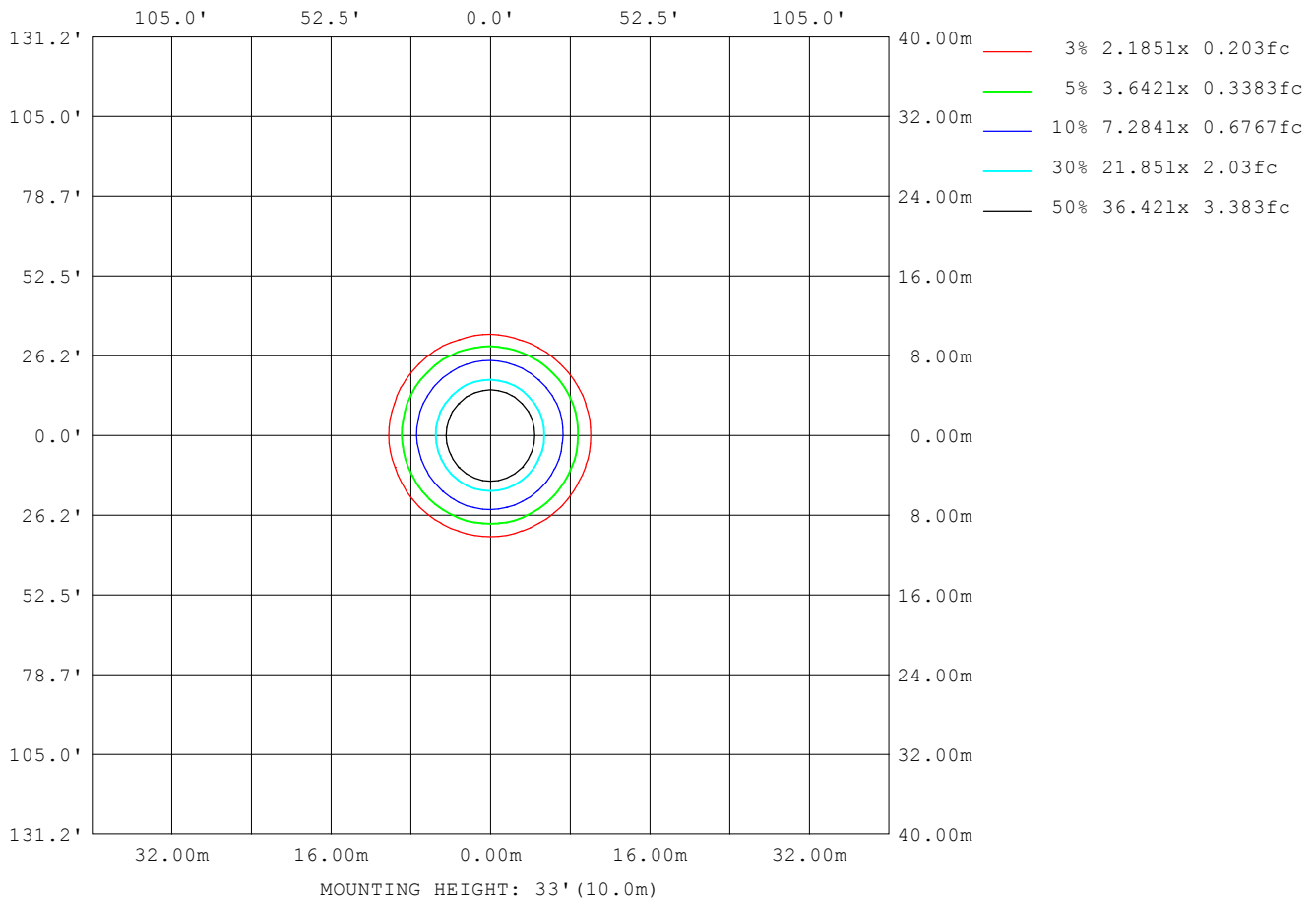
C Range: 0 - 360DEG  
 C Interval: 2.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2019-11-06

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
 Humidity: 65.0%  
 Test Distance: 9.470m [K=1.0000]  
 Remarks:

Checker: LI

Assessor:

ISOLUX DIAGRAM



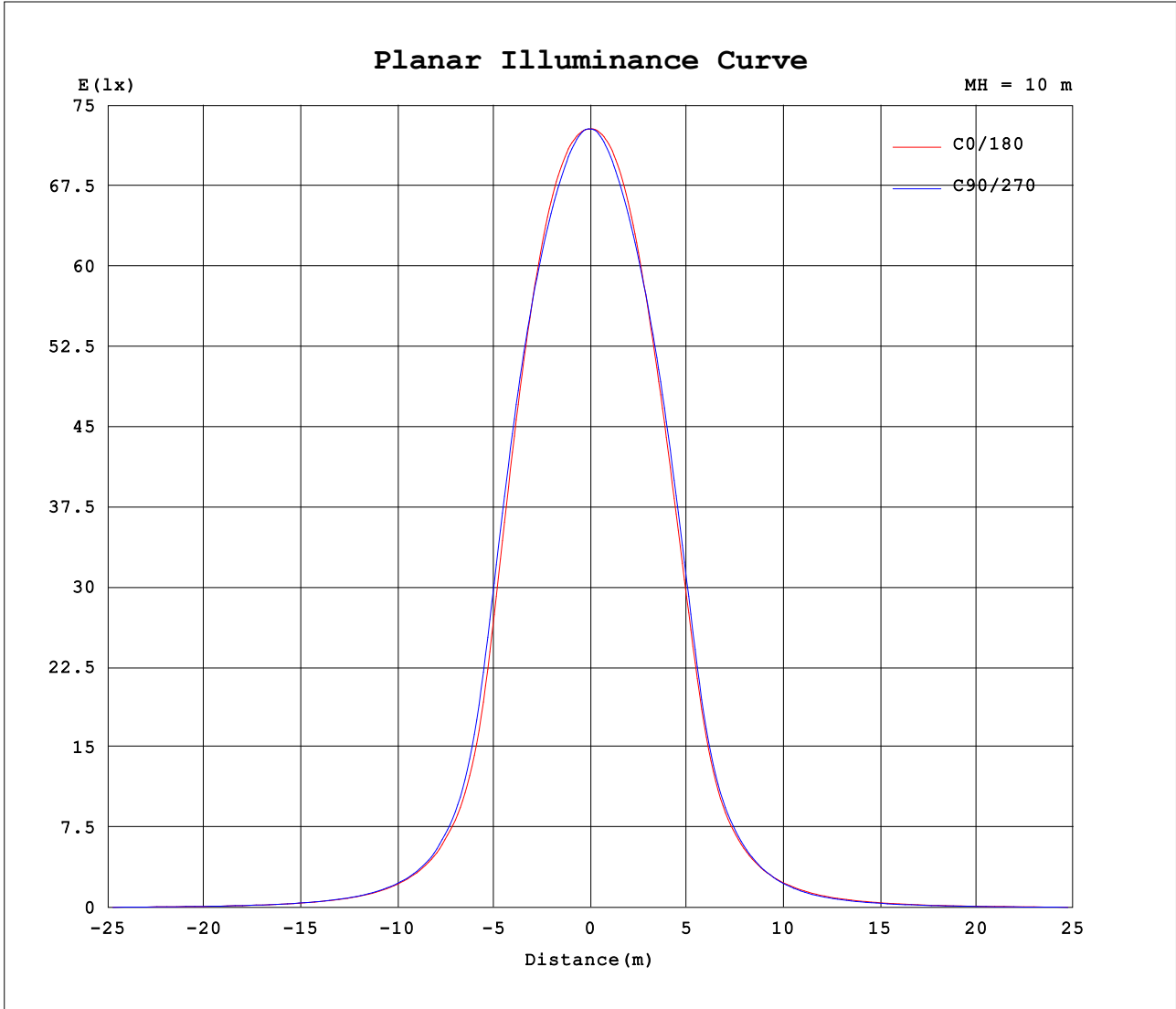
C Range: 0 - 360DEG  
 C Interval: 2.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2019-11-06

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
 Humidity: 65.0%  
 Test Distance: 9.470m [K=1.0000]  
 Remarks:

Checker: LI

Assessor:

Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 2.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2019-11-06

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
 Humidity: 65.0%  
 Test Distance: 9.470m [K=1.0000]  
 Remarks:

Checker: LI

Assessor: