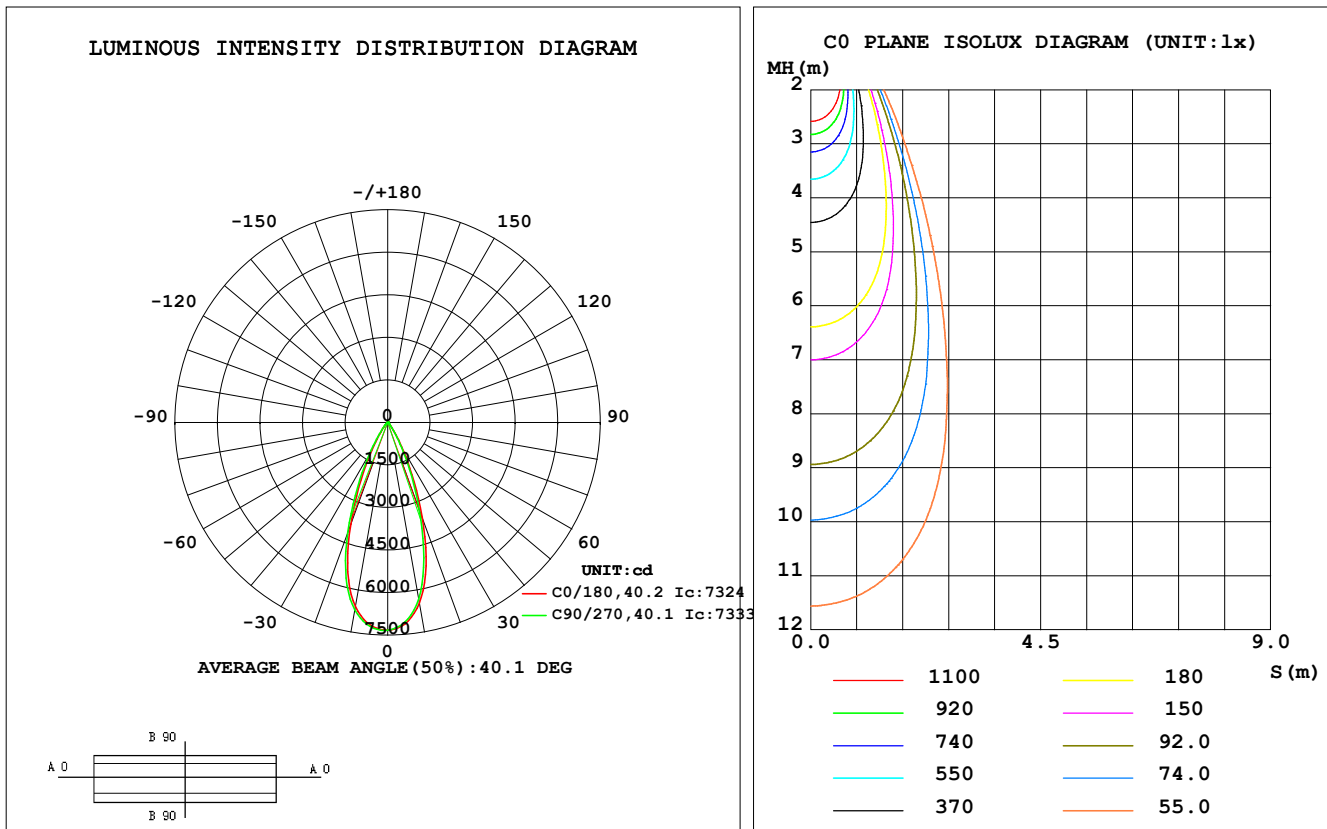


LUMINAIRE PHOTOMETRIC TEST REPORT

|  |  |          |  |                  |  |
|--|--|----------|--|------------------|--|
| Test:U:224.9V I:0.1820A P:40.20W PF:0.9780 Freq:50.00Hz Lamp Flux:3616.48x1 lm |  |          |  |                  |  |
| NAME: DP165RW-F01-40G40  |  | TYPE:    |  | WEIGHT:          |  |
| SPEC.:   |  | DIM.:    |  | SERIAL No.:      |  |
| MFR.:  |  | SUR.:155 |  | Shielding Angle: |  |

| DATA OF LAMP     |             | PHOTOMETRIC DATA      |        |                   |          | Eff: 89.96 lm/W |
|------------------|-------------|-----------------------|--------|-------------------|----------|-----------------|
| MODEL            | 4000K CRI90 | I <sub>max</sub> (cd) | 7339   | S/MH(C0/180)      | 0.64     |                 |
| NOMINAL POWER(W) | 40          | LOR(%)                | 100.0  | S/MH(C90/270)     | 0.67     |                 |
| RATED VOLTAGE(V) | 220         | TOTAL FLUX(lm)        | 3616.5 | η UP,DN(C0-180)   | 0.0,46.0 |                 |
| NOMINAL FLUX(lm) | 3616.48     | CIE CLASS             | DIRECT | η UP,DN(C180-360) | 0.0,54.0 |                 |
| LAMPS INSIDE     | 1           | η up(%)               | 0.0    | CIBSE SHR NOM     | 0.50     |                 |
| TEST VOLTAGE(V)  | 36          | η down(%)             | 100.0  | CIBSE SHR MAX     | 0.65     |                 |



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZR  
Test Date:2021-07-16

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.354  
Humidity:65.0%  
Test Distance:8.402m [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       | 6460                  | 6420  | 6317  | 6234  | 6585  | 6697  | 6702  | 6718  | 0- 10    | 662.1       | 662.1        | 18.3,18.3  |
| 20       | 3565                  | 3426  | 3261  | 3192  | 3820  | 4045  | 4129  | 4160  | 10- 20   | 1444        | 2107         | 58.2,58.2  |
| 30       | 1013                  | 954.1 | 876.6 | 851.2 | 1120  | 1249  | 1326  | 1334  | 20- 30   | 1001        | 3108         | 85.9,85.9  |
| 40       | 196.1                 | 186.6 | 177.0 | 162.6 | 239.3 | 258.0 | 272.0 | 278.0 | 30- 40   | 330.8       | 3439         | 95.1,95.1  |
| 50       | 38.36                 | 36.66 | 36.81 | 35.80 | 71.75 | 73.55 | 76.15 | 83.21 | 40- 50   | 90.14       | 3529         | 97.6,97.6  |
| 60       | 18.87                 | 19.03 | 18.92 | 18.28 | 39.19 | 39.92 | 40.60 | 41.65 | 50- 60   | 35.17       | 3564         | 98.5,98.5  |
| 70       | 13.14                 | 13.22 | 13.10 | 12.77 | 26.39 | 26.72 | 27.06 | 27.59 | 60- 70   | 24.19       | 3588         | 99.2,99.2  |
| 80       | 9.128                 | 8.786 | 7.622 | 8.314 | 17.15 | 17.07 | 16.50 | 17.62 | 70- 80   | 17.17       | 3605         | 99.7,99.7  |
| 90       | 6.636                 | 6.719 | 6.752 | 6.765 | 10.63 | 10.75 | 10.84 | 10.91 | 80- 90   | 11.12       | 3616         | 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): 3495.2 lm

%lum = 96.6%

%lamp = 96.6%

Conical surface Flux(120deg): 3564 lm

%lum = 98.5%

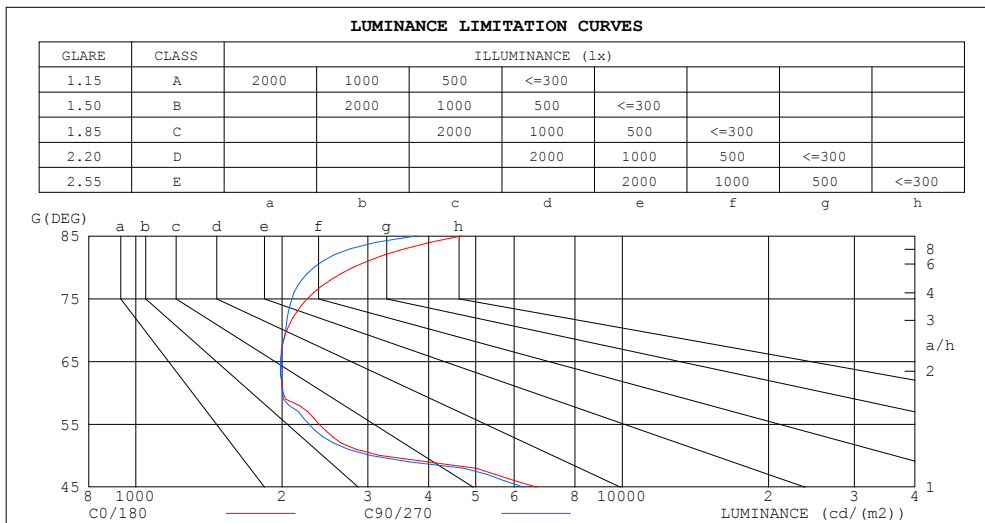
%lamp = 98.5%

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:ZR  
 Test Date:2021-07-16

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.354  
 Humidity:65.0%  
 Test Distance:8.402m [K=1.0000]  
 Remarks:

## LUMINANCE LIMITATION CURVES

|  |          |                  |
|--|----------|------------------|
| Test:U:224.9V I:0.1820A P:40.20W PF:0.9780 Freq:50.00Hz Lamp Flux:3616.48x1 lm |          |                  |
| NAME: DP165RW-F01-40G40  | TYPE:    | WEIGHT:          |
| SPEC.:   | DIM.:    | SERIAL No.:      |
| MFR.:  | SUR.:155 | Shielding Angle: |



| LUMINANCE cd/(m2) |        |         |
|-------------------|--------|---------|
| G (DEG)           | C0/180 | C90/270 |
| 85                | 4677   | 3777    |
| 80                | 2798   | 2327    |
| 75                | 2254   | 2095    |
| 70                | 2045   | 2031    |
| 65                | 1987   | 1983    |
| 60                | 2009   | 2007    |
| 55                | 2381   | 2271    |
| 50                | 3177   | 3036    |
| 45                | 6672   | 6277    |

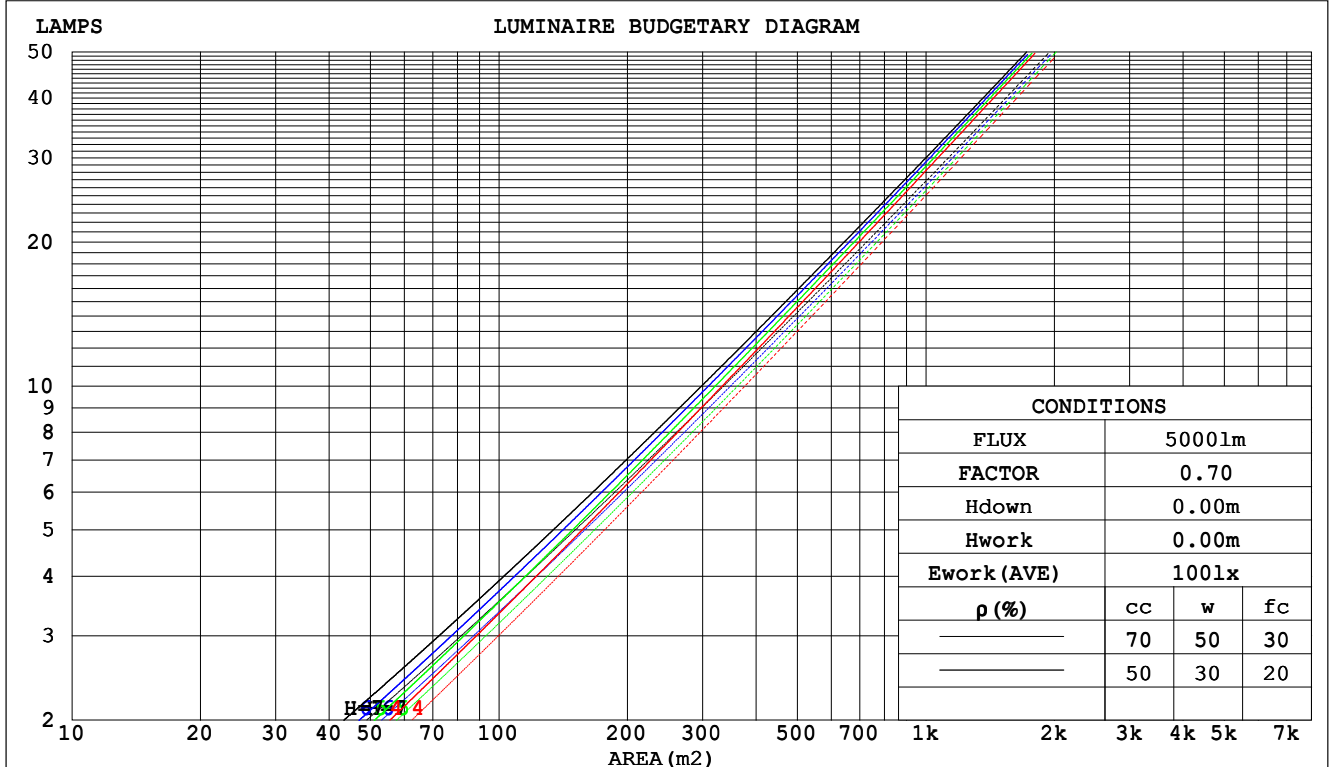
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZR  
Test Date:2021-07-16

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.354  
Humidity:65.0%  
Test Distance:8.402m [K=1.0000]  
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|  |          |                  |
|--|----------|------------------|
| Test:U:224.9V I:0.1820A P:40.20W PF:0.9780 Freq:50.00Hz Lamp Flux:3616.48x1 lm |          |                  |
| NAME: DP165RW-F01-40G40  | TYPE:    | WEIGHT:          |
| SPEC.:   | DIM.:    | SERIAL No.:      |
| MFR.:  | SUR.:155 | 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 |      |      |      |      |      | 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 | 1.00 |
| 1.0  | 1.11                  | 1.09 | 1.07 | 1.09 | 1.07 | 1.05 | 1.05                            | 1.04 | 1.02 | 1.02 | 1.00 | .99  | .98  | .97  | .96  | .94  |
| 2.0  | 1.05                  | 1.01 | .98  | 1.03 | .90  | .97  | .90                             | .97  | .95  | .97  | .95  | .93  | .94  | .92  | .91  | .89  |
| 3.0  | .99                   | .94  | .91  | .97  | .93  | .90  | .95                             | .92  | .89  | .93  | .90  | .87  | .90  | .88  | .86  | .85  |
| 4.0  | .94                   | .89  | .85  | .93  | .88  | .85  | .90                             | .87  | .84  | .88  | .85  | .83  | .87  | .84  | .82  | .80  |
| 5.0  | .89                   | .84  | .80  | .88  | .83  | .80  | .86                             | .82  | .79  | .85  | .81  | .78  | .83  | .80  | .78  | .76  |
| 6.0  | .85                   | .79  | .76  | .84  | .79  | .75  | .82                             | .78  | .75  | .81  | .77  | .74  | .80  | .77  | .74  | .73  |
| 7.0  | .81                   | .75  | .72  | .80  | .75  | .72  | .79                             | .74  | .71  | .78  | .74  | .71  | .77  | .73  | .71  | .69  |
| 8.0  | .77                   | .72  | .68  | .77  | .72  | .68  | .76                             | .71  | .68  | .75  | .71  | .68  | .74  | .70  | .67  | .66  |
| 9.0  | .74                   | .69  | .65  | .73  | .68  | .65  | .72                             | .68  | .65  | .72  | .68  | .65  | .71  | .67  | .65  | .63  |
| 10.0 | .71                   | .66  | .62  | .70  | .66  | .62  | .70                             | .65  | .62  | .69  | .65  | .62  | .68  | .65  | .62  | .61  |



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZR  
Test Date:2021-07-16

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.354  
Humidity:65.0%  
Test Distance:8.402m [K=1.0000]  
Remarks:

### WEC AND CCEC

|  |          |                  |
|--|----------|------------------|
| Test:U:224.9V I:0.1820A P:40.20W PF:0.9780 Freq:50.00Hz Lamp Flux:3616.48x1 lm |          |                  |
| NAME: DP165RW-F01-40G40  | TYPE:    | WEIGHT:          |
| SPEC.:   | DIM.:    | SERIAL No.:      |
| MFR.:  | SUR.:155 | 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  | .165                  | .094 | .030 | .158 | .090 | .029 | .146                            | .084 | .027 | .134 | .077 | .025 | .124 | .072 | .023 |   |  |
| 2.0  | .154                  | .085 | .026 | .149 | .082 | .025 | .138                            | .077 | .024 | .129 | .072 | .023 | .120 | .068 | .021 |   |  |
| 3.0  | .145                  | .077 | .023 | .140 | .075 | .023 | .132                            | .071 | .022 | .123 | .068 | .021 | .116 | .064 | .020 |   |  |
| 4.0  | .137                  | .071 | .021 | .133 | .070 | .021 | .125                            | .066 | .020 | .118 | .063 | .019 | .112 | .061 | .018 |   |  |
| 5.0  | .130                  | .066 | .019 | .126 | .065 | .019 | .120                            | .062 | .018 | .113 | .060 | .018 | .108 | .058 | .017 |   |  |
| 6.0  | .123                  | .062 | .018 | .120 | .061 | .017 | .114                            | .059 | .017 | .109 | .057 | .017 | .104 | .055 | .016 |   |  |
| 7.0  | .117                  | .058 | .016 | .115 | .057 | .016 | .110                            | .055 | .016 | .105 | .054 | .016 | .101 | .052 | .015 |   |  |
| 8.0  | .112                  | .055 | .015 | .110 | .054 | .015 | .105                            | .053 | .015 | .101 | .051 | .015 | .097 | .050 | .015 |   |  |
| 9.0  | .107                  | .052 | .014 | .105 | .051 | .014 | .101                            | .050 | .014 | .098 | .049 | .014 | .094 | .048 | .014 |   |  |
| 10.0 | .103                  | .049 | .014 | .101 | .049 | .014 | .098                            | .048 | .013 | .094 | .047 | .013 | .091 | .046 | .013 |   |  |

| 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  | .170                  | .157 | .146 | .146 | .135 | .126 | .100                                       | .093 | .087 | .057 | .054 | .050 | .018 | .017 | .016 |   |
| 2.0  | .154                  | .133 | .115 | .132 | .114 | .099 | .090                                       | .079 | .069 | .052 | .046 | .041 | .017 | .015 | .013 |   |
| 3.0  | .140                  | .113 | .092 | .120 | .098 | .080 | .083                                       | .068 | .056 | .048 | .040 | .033 | .015 | .013 | .011 |   |
| 4.0  | .129                  | .098 | .075 | .111 | .085 | .065 | .076                                       | .059 | .046 | .044 | .035 | .027 | .014 | .011 | .009 |   |
| 5.0  | .120                  | .087 | .062 | .103 | .075 | .054 | .071                                       | .052 | .038 | .041 | .031 | .023 | .013 | .010 | .007 |   |
| 6.0  | .112                  | .077 | .052 | .096 | .067 | .045 | .066                                       | .047 | .032 | .038 | .027 | .019 | .012 | .009 | .006 |   |
| 7.0  | .105                  | .069 | .044 | .090 | .060 | .039 | .062                                       | .042 | .027 | .036 | .025 | .016 | .012 | .008 | .005 |   |
| 8.0  | .099                  | .063 | .038 | .085 | .054 | .033 | .059                                       | .038 | .024 | .034 | .023 | .014 | .011 | .007 | .005 |   |
| 9.0  | .093                  | .057 | .033 | .080 | .050 | .029 | .056                                       | .035 | .020 | .032 | .021 | .012 | .011 | .007 | .004 |   |
| 10.0 | .089                  | .053 | .029 | .076 | .046 | .025 | .053                                       | .032 | .018 | .031 | .019 | .011 | .010 | .006 | .004 |   |

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZR  
Test Date:2021-07-16

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.354  
Humidity:65.0%  
Test Distance:8.402m [K=1.0000]  
Remarks:

## UGR(Unified Glare Rating) Table

|  |                  |     |     |      |          |                |     |                  |     |     |
|--|------------------|-----|-----|------|----------|----------------|-----|------------------|-----|-----|
| Test:U:224.9V I:0.1820A P:40.20W PF:0.9780 Freq:50.00Hz Lamp Flux:3616.48x1 lm |                  |     |     |      |          |                |     |                  |     |     |
| NAME: DP165RW-F01-40G40  |                  |     |     |      | TYPE:    |                |     | WEIGHT:          |     |     |
| SPEC.:   |                  |     |     |      | DIM.:    |                |     | SERIAL No.:      |     |     |
| MFR.:  |                  |     |     |      | SUR.:155 |                |     | 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  | 8.0              | 8.8 | 8.2 | 9.0  | 9.1      | 7.3            | 8.1 | 7.5              | 8.3 | 8.5 |
| 3H   | 8.1              | 8.8 | 8.3 | 9.0  | 9.2      | 7.4            | 8.2 | 7.7              | 8.4 | 8.6 |
| 4H   | 8.1              | 8.9 | 8.4 | 9.1  | 9.3      | 7.5            | 8.2 | 7.8              | 8.4 | 8.7 |
| 6H   | 8.3              | 8.9 | 8.6 | 9.2  | 9.4      | 7.6            | 8.3 | 7.9              | 8.5 | 8.8 |
| 8H   | 8.4              | 9.0 | 8.7 | 9.3  | 9.5      | 7.7            | 8.3 | 8.0              | 8.6 | 8.9 |
| 12H  | 8.5              | 9.2 | 8.8 | 9.4  | 9.7      | 7.8            | 8.4 | 8.1              | 8.7 | 9.0 |
| 4H 2H  | 7.9              | 8.6 | 8.1 | 8.8  | 9.0      | 7.2            | 7.9 | 7.5              | 8.1 | 8.3 |
| 3H   | 8.0              | 8.6 | 8.3 | 8.9  | 9.2      | 7.4            | 8.0 | 7.7              | 8.3 | 8.6 |
| 4H   | 8.1              | 8.7 | 8.5 | 9.0  | 9.3      | 7.6            | 8.1 | 7.9              | 8.4 | 8.7 |
| 6H   | 8.4              | 8.9 | 8.8 | 9.3  | 9.6      | 7.8            | 8.3 | 8.2              | 8.6 | 9.0 |
| 8H   | 8.6              | 9.1 | 9.0 | 9.4  | 9.8      | 7.9            | 8.4 | 8.3              | 8.8 | 9.1 |
| 12H  | 8.9              | 9.3 | 9.3 | 9.7  | 10.1     | 8.1            | 8.6 | 8.6              | 8.9 | 9.3 |
| 8H 4H  | 8.2              | 8.6 | 8.5 | 9.0  | 9.3      | 7.6            | 8.1 | 8.0              | 8.4 | 8.8 |
| 6H   | 8.6              | 8.9 | 9.0 | 9.3  | 9.7      | 8.0            | 8.4 | 8.4              | 8.7 | 9.2 |
| 8H   | 8.9              | 9.2 | 9.3 | 9.6  | 10.1     | 8.2            | 8.5 | 8.6              | 9.0 | 9.4 |
| 12H  | 9.3              | 9.6 | 9.8 | 10.0 | 10.5     | 8.5            | 8.8 | 9.0              | 9.3 | 9.7 |
| 12H 4H   | 8.1              | 8.6 | 8.5 | 8.9  | 9.3      | 7.6            | 8.0 | 8.0              | 8.4 | 8.8 |
| 6H   | 8.6              | 8.9 | 9.0 | 9.3  | 9.8      | 8.0            | 8.4 | 8.5              | 8.8 | 9.2 |
| 8H   | 8.9              | 9.2 | 9.4 | 9.7  | 10.1     | 8.3            | 8.6 | 8.8              | 9.0 | 9.5 |
| Variations with the observer position at spacings:                             |                  |     |     |      |          |                |     |                  |     |     |
| S = 1.0H   | + 2.0 / - 2.0    |     |     |      |          | + 1.7 / - 1.9  |     |                  |     |     |
| 1.5H   | + 3.8 / - 2.0    |     |     |      |          | + 3.3 / - 2.0  |     |                  |     |     |
| 2.0H   | + 2.0 / - 0.6    |     |     |      |          | + 2.0 / - 0.6  |     |                  |     |     |

CIE Pub.117, 3616 lm Total Lamp Luminous Flux Correct ( $8\log(F/F_0) = 4.5$ )

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZR  
Test Date:2021-07-16

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.354  
Humidity:65.0%  
Test Distance:8.402m [K=1.0000]  
Remarks:

### UTILIZATION FACTORS TABLE

|  |          |                  |
|--|----------|------------------|
| Test:U:224.9V I:0.1820A P:40.20W PF:0.9780 Freq:50.00Hz Lamp Flux:3616.48x1 lm |          |                  |
| NAME: DP165RW-F01-40G40  | TYPE:    | WEIGHT:          |
| SPEC.:   | DIM.:    | SERIAL No.:      |
| MFR.:  | SUR.:155 | Shielding Angle: |

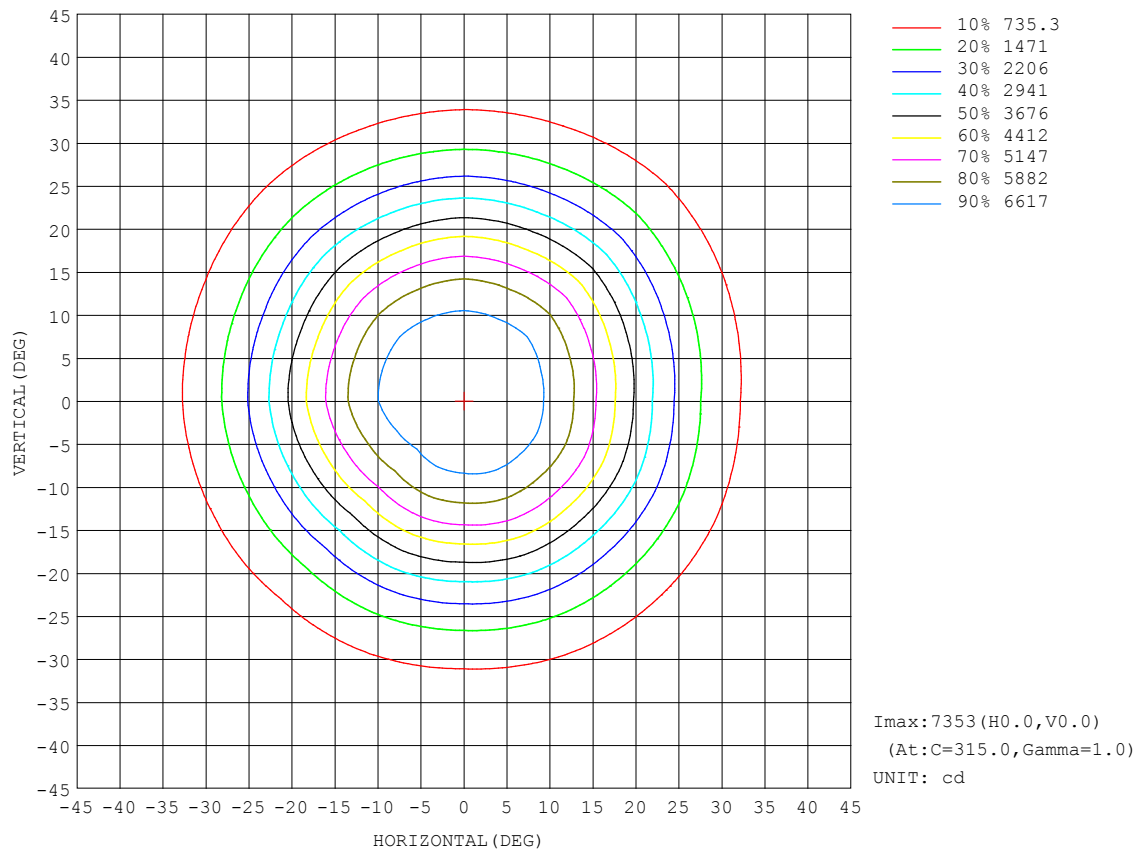
| REFLECTANCE                      |  |     |           |     |     |     |     |               |     |        |
|----------------------------------|--|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling                          | 0.8  | 0.8 | 0.8       | 0.7 | 0.7 | 0.7 | 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) $k(RI) \times RCR = 5$ |     |           |     |     |     |     |               |     |        |
| $k = 0.60$                       | 89   | 82  | 79        | 88  | 82  | 79  | 87  | 82            | 79  | 75     |
| 0.80                             | 96   | 90  | 86        | 95  | 90  | 86  | 94  | 89            | 86  | 82     |
| 1.00                             | 100  | 94  | 91        | 99  | 94  | 91  | 97  | 94            | 90  | 86     |
| 1.25                             | 104  | 99  | 95        | 103 | 98  | 95  | 101 | 97            | 94  | 90     |
| 1.50                             | 106  | 102 | 98        | 105 | 101 | 98  | 103 | 99            | 97  | 92     |
| 2.00                             | 109  | 105 | 102       | 107 | 104 | 101 | 105 | 102           | 99  | 94     |
| 2.50                             | 110  | 107 | 104       | 109 | 105 | 103 | 106 | 103           | 101 | 95     |
| 3.00                             | 112  | 109 | 106       | 110 | 107 | 105 | 107 | 104           | 103 | 96     |
| 4.00                             | 114  | 111 | 109       | 112 | 110 | 108 | 108 | 106           | 105 | 98     |
| 5.00                             | 115  | 113 | 111       | 113 | 111 | 110 | 109 | 108           | 106 | 99     |
| 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:ZR  
Test Date:2021-07-16

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.354  
Humidity:65.0%  
Test Distance:8.402m [K=1.0000]  
Remarks:

## ISOCANDELA DIAGRAM

|  |          |                  |
|--|----------|------------------|
| Test:U:224.9V I:0.1820A P:40.20W PF:0.9780 Freq:50.00Hz Lamp Flux:3616.48x1 lm |          |                  |
| NAME: DP165RW-F01-40G40  | TYPE:    | WEIGHT:          |
| SPEC.:   | DIM.:    | SERIAL No.:      |
| MFR.:  | SUR.:155 | Shielding Angle: |



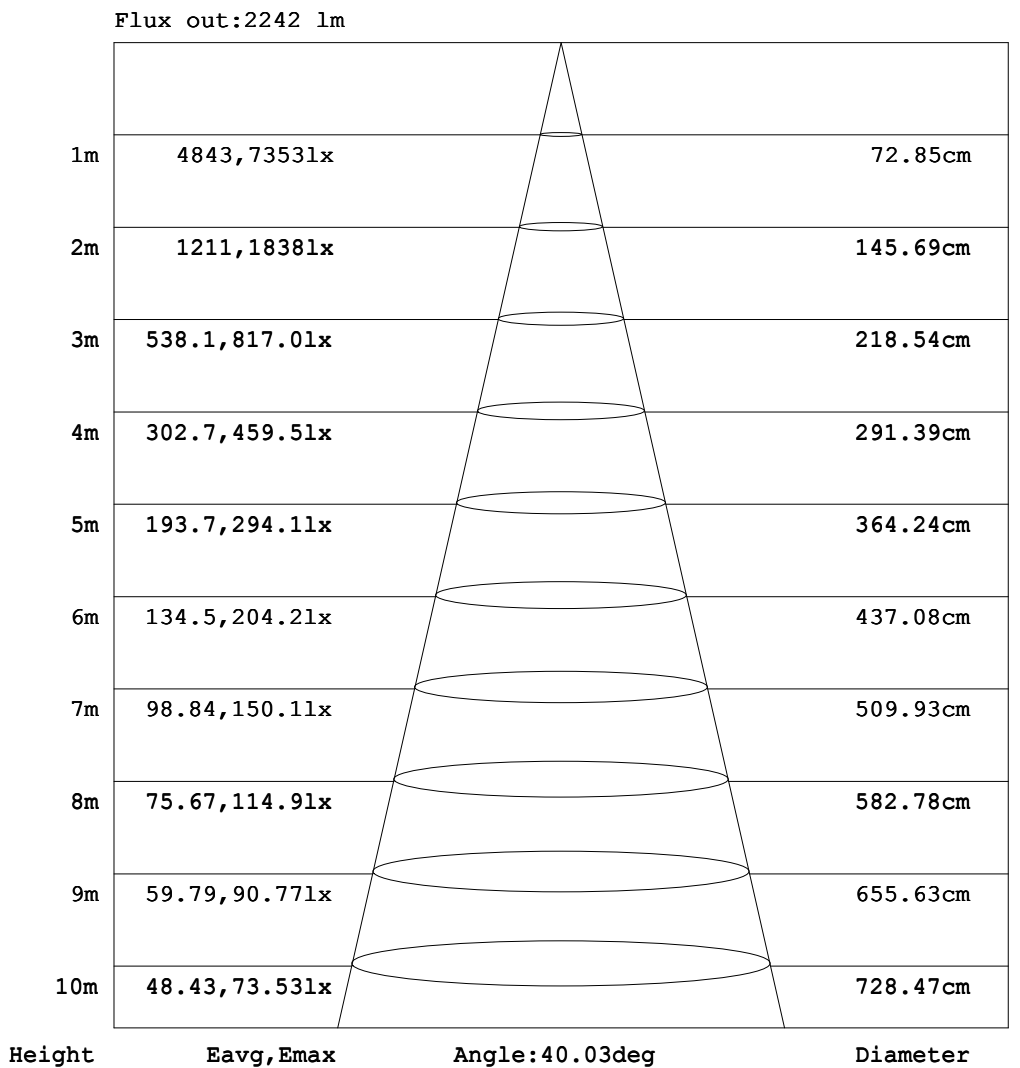
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZR  
Test Date:2021-07-16

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.354  
Humidity:65.0%  
Test Distance:8.402m [K=1.0000]  
Remarks:



### AAI Figure

|  |          |                  |
|--|----------|------------------|
| Test:U:224.9V I:0.1820A P:40.20W PF:0.9780 Freq:50.00Hz Lamp Flux:3616.48x1 lm |          |                  |
| NAME: DP165RW-F01-40G40  | TYPE:    | WEIGHT:          |
| SPEC.:   | DIM.:    | SERIAL No.:      |
| MFR.:  | SUR.:155 | Shielding Angle: |



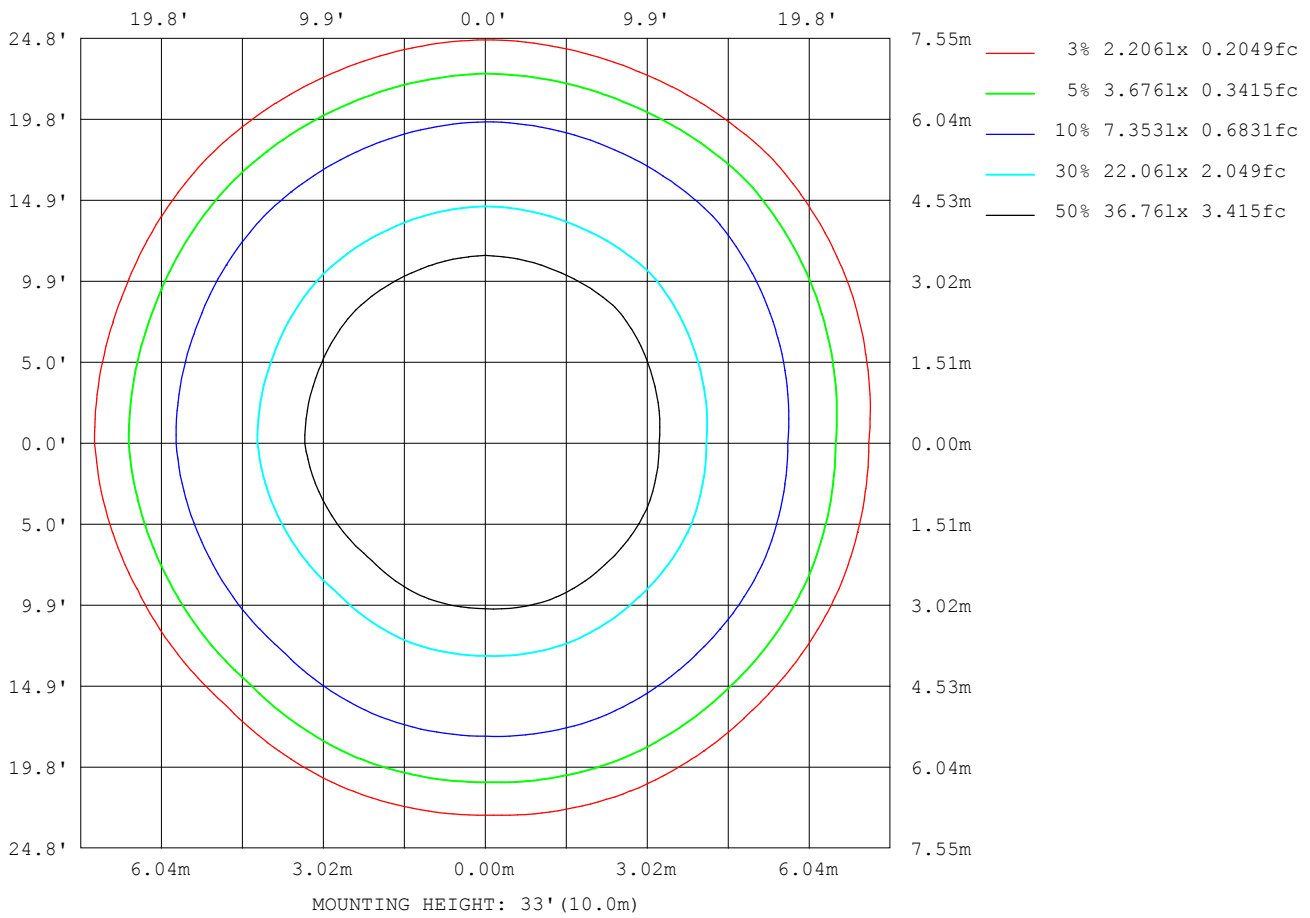
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZR  
Test Date:2021-07-16

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.354  
Humidity:65.0%  
Test Distance:8.402m [K=1.0000]  
Remarks:

# ISOLUX DIAGRAM

|  |          |                  |
|--|----------|------------------|
| Test:U:224.9V I:0.1820A P:40.20W PF:0.9780 Freq:50.00Hz Lamp Flux:3616.48x1 lm |          |                  |
| NAME: DP165RW-F01-40G40  | TYPE:    | WEIGHT:          |
| SPEC.:   | DIM.:    | SERIAL No.:      |
| MFR.:  | SUR.:155 | Shielding Angle: |



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:ZR  
 Test Date:2021-07-16

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.354  
 Humidity:65.0%  
 Test Distance:8.402m [K=1.0000]  
 Remarks:

## LED Avg.L Report

|  |          |                  |
|--|----------|------------------|
| Test:U:224.9V I:0.1820A P:40.20W PF:0.9780 Freq:50.00Hz Lamp Flux:3616.48x1 lm |          |                  |
| NAME: DP165RW-F01-40G40  | TYPE:    | WEIGHT:          |
| SPEC.:   | DIM.:    | SERIAL No.:      |
| MFR.:  | SUR.:155 | Shielding Angle: |

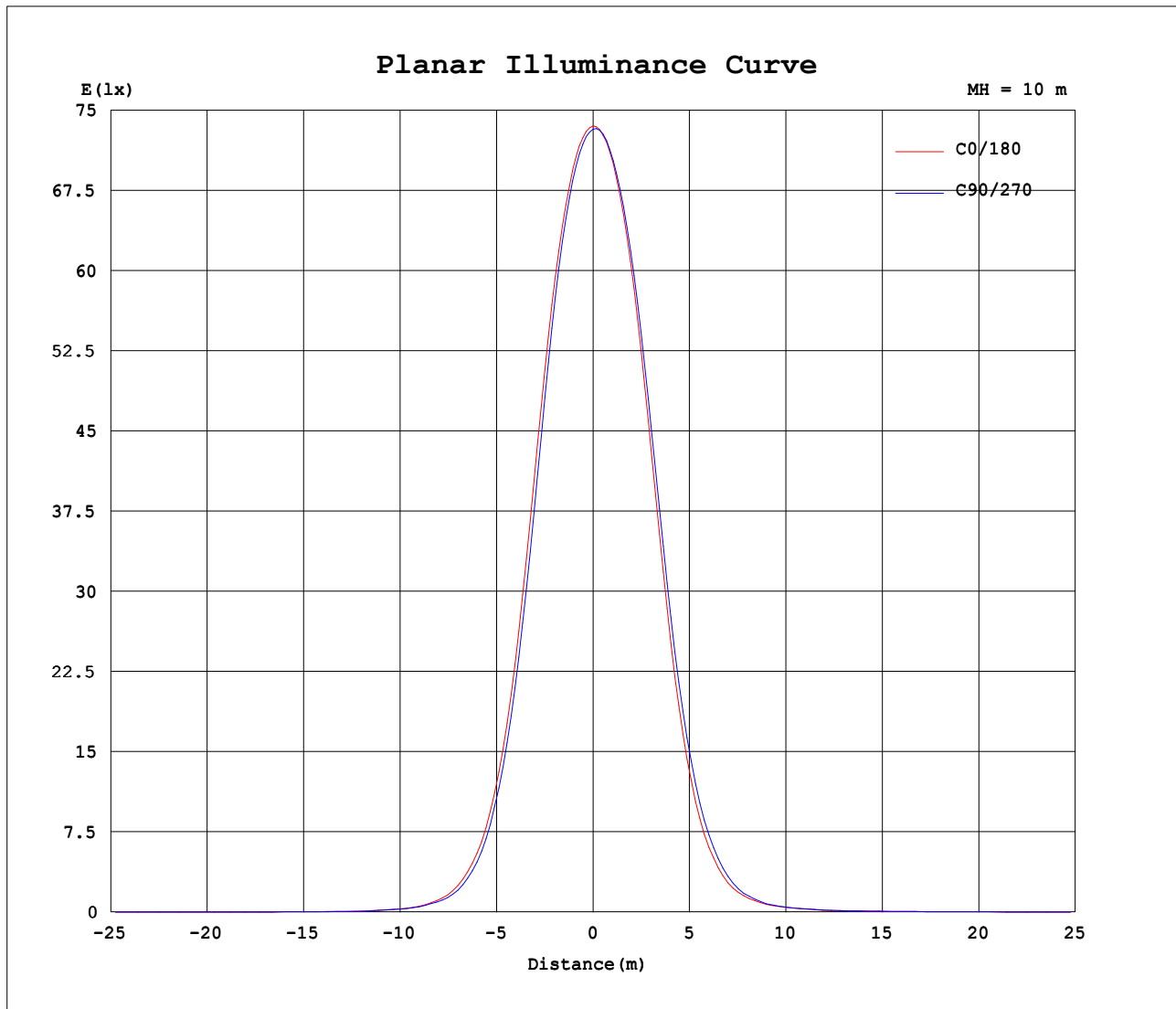
| AvgL             | cd/m2 |
|------------------|-------|
| L_0~180 (65) av  | 3016  |
| L_0~180 (75) av  | 3316  |
| L_0~180 (85) av  | 6452  |
| L_90~270 (65) av | 3069  |
| L_90~270 (75) av | 3259  |
| L_90~270 (85) av | 5644  |
| L_45 (65) av     | 3061  |
| L_45 (75) av     | 3365  |
| L_45 (85) av     | 5895  |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:ZR  
 Test Date:2021-07-16

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.354  
 Humidity:65.0%  
 Test Distance:8.402m [K=1.0000]  
 Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: ZR  
Test Date: 2021-07-16

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.354  
Humidity: 65.0%  
Test Distance: 8.402m [K=1.0000]  
Remarks:

```

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.354
Humidity:65.0%
Test Distance:8.402m [K=1.0000]
Remarks:

```