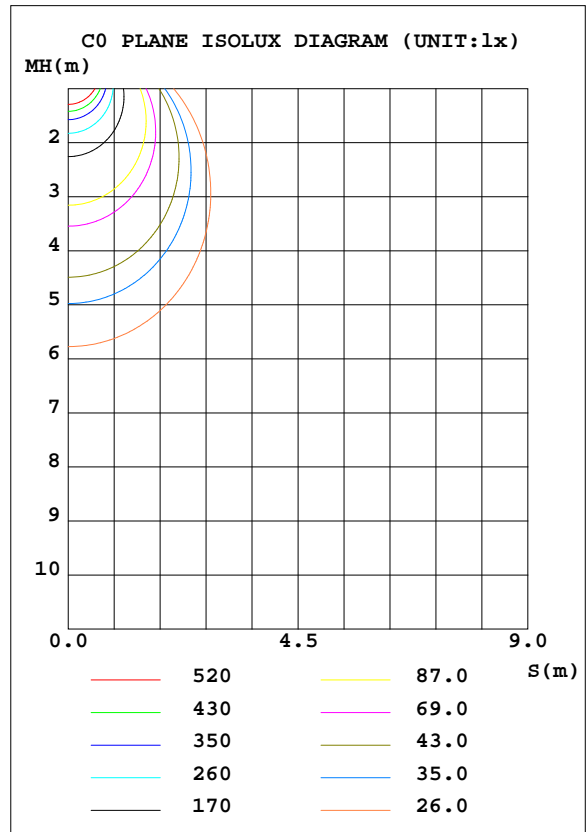
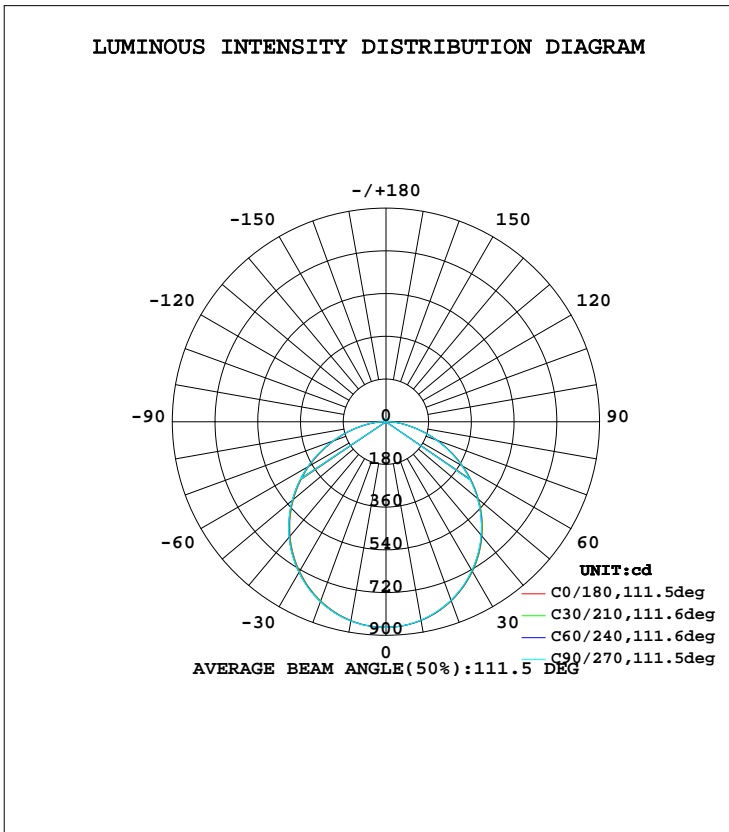


LUMINAIRE PHOTOMETRIC TEST REPORT

|  |             |                   |
|--|-------------|-------------------|
| Test:U:240.4V I:0.1120A P:25.50W PF:0.9450 Lamp Flux:2508.2x1 lm |             |                   |
| NAME: LED-OY25W-CC-IP54  | TYPE:25W    | WEIGHT:           |
| DIM.:  | SPEC.:5700K | SERIAL No.:1      |
| MFR.:  | SUR.:0.135  | PROTECTION ANGLE: |

| DATA OF LAMP     |                   | PHOTOMETRIC DATA Eff: 98.36 lm/W |        |                    |           |
|------------------|-------------------|----------------------------------|--------|--------------------|-----------|
| MODEL            | LED-OY25W-CC-IP54 | I <sub>max</sub> (cd)            | 866.3  | S/MH(C0/180)       | 1.25      |
| NOMINAL POWER(W) | 25                | LOR(%)                           | 100.0  | S/MH(C90/270)      | 1.24      |
| RATED VOLTAGE(V) | 240               | TOTAL FLUX(lm)                   | 2508.2 | η UP, DN(C0-180)   | 0.9, 48.7 |
| NOMINAL FLUX(lm) | 2508.2            | CIE CLASS                        | DIRECT | η UP, DN(C180-360) | 0.9, 49.5 |
| LAMPS INSIDE     | 1                 | η up(%)                          | 1.8    | CIBSE SHR NOM      | 1.25      |
| TEST VOLTAGE(V)  | 240.4             | η down(%)                        | 98.2   | CIBSE SHR MAX      | 1.35      |



C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2019-03-21

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.276  
 Humidity:65.0%  
 Test Distance:9.443m [K=1.0000]  
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

| γ   | C0                    | C45   | C90   | C135  | C180  | C225  | C270  | C315  | γ       | Φ zone  | Φ total | Φlum,lamp |
|-----|-----------------------|-------|-------|-------|-------|-------|-------|-------|---------|---------|---------|-----------|
| 10  | 850.5                 | 849.6 | 848.7 | 849.2 | 850.3 | 851.9 | 852.3 | 852.3 | 0- 10   | 81.95   | 81.95   | 3.27,3.27 |
| 20  | 804.0                 | 801.7 | 800.5 | 800.9 | 803.6 | 805.9 | 807.3 | 806.6 | 10- 20  | 234.5   | 316.4   | 12.6,12.6 |
| 30  | 728.8                 | 726.0 | 723.9 | 724.8 | 728.2 | 731.9 | 733.3 | 732.6 | 20- 30  | 354.6   | 671.0   | 26.8,26.8 |
| 40  | 629.2                 | 625.8 | 623.7 | 624.4 | 629.0 | 633.1 | 635.1 | 633.8 | 30- 40  | 426.4   | 1097    | 43.8,43.8 |
| 50  | 508.9                 | 505.6 | 503.4 | 504.3 | 509.3 | 514.1 | 515.8 | 514.2 | 40- 50  | 440.8   | 1538    | 61.3,61.3 |
| 60  | 373.5                 | 370.2 | 368.7 | 369.4 | 374.7 | 379.5 | 381.0 | 379.1 | 50- 60  | 396.2   | 1934    | 77.1,77.1 |
| 70  | 230.8                 | 227.4 | 225.9 | 227.6 | 231.9 | 236.8 | 238.4 | 236.0 | 60- 70  | 299.8   | 2234    | 89.1,89.1 |
| 80  | 98.57                 | 97.04 | 95.72 | 98.58 | 101.8 | 103.2 | 105.2 | 102.7 | 70- 80  | 173.0   | 2407    | 96,96     |
| 90  | 14.02                 | 13.15 | 12.67 | 12.80 | 14.18 | 14.55 | 15.67 | 14.28 | 80- 90  | 55.41   | 2463    | 98.2,98.2 |
| 100 | 2.972                 | 2.930 | 3.099 | 2.957 | 3.325 | 3.149 | 3.207 | 3.594 | 90-100  | 6.638   | 2469    | 98.4,98.4 |
| 110 | 4.197                 | 4.340 | 4.345 | 4.381 | 4.673 | 4.579 | 4.522 | 4.520 | 100-110 | 3.892   | 2473    | 98.6,98.6 |
| 120 | 5.906                 | 6.032 | 6.093 | 6.127 | 6.453 | 6.319 | 6.250 | 6.245 | 110-120 | 5.258   | 2478    | 98.8,98.8 |
| 130 | 7.647                 | 7.774 | 7.845 | 7.857 | 8.200 | 8.067 | 7.998 | 7.977 | 120-130 | 6.313   | 2485    | 99.1,99.1 |
| 140 | 9.321                 | 9.440 | 9.527 | 9.543 | 9.814 | 9.701 | 9.631 | 9.621 | 130-140 | 6.766   | 2491    | 99.3,99.3 |
| 150 | 10.81                 | 10.91 | 11.00 | 11.00 | 11.22 | 11.13 | 11.07 | 11.06 | 140-150 | 6.465   | 2498    | 99.6,99.6 |
| 160 | 12.10                 | 12.20 | 12.27 | 12.27 | 12.39 | 12.32 | 12.26 | 12.26 | 150-160 | 5.379   | 2503    | 99.8,99.8 |
| 170 | 13.22                 | 13.28 | 13.32 | 13.33 | 13.35 | 13.30 | 13.24 | 13.23 | 160-170 | 3.612   | 2507    | 99.9,99.9 |
| 180 | 13.75                 | 13.75 | 13.73 | 13.74 | 13.76 | 13.74 | 13.73 | 13.74 | 170-180 | 1.289   | 2508    | 100,100   |
| DEG | LUMINOUS INTENSITY:cd |       |       |       |       |       |       |       |         | UNIT:lm |         |           |

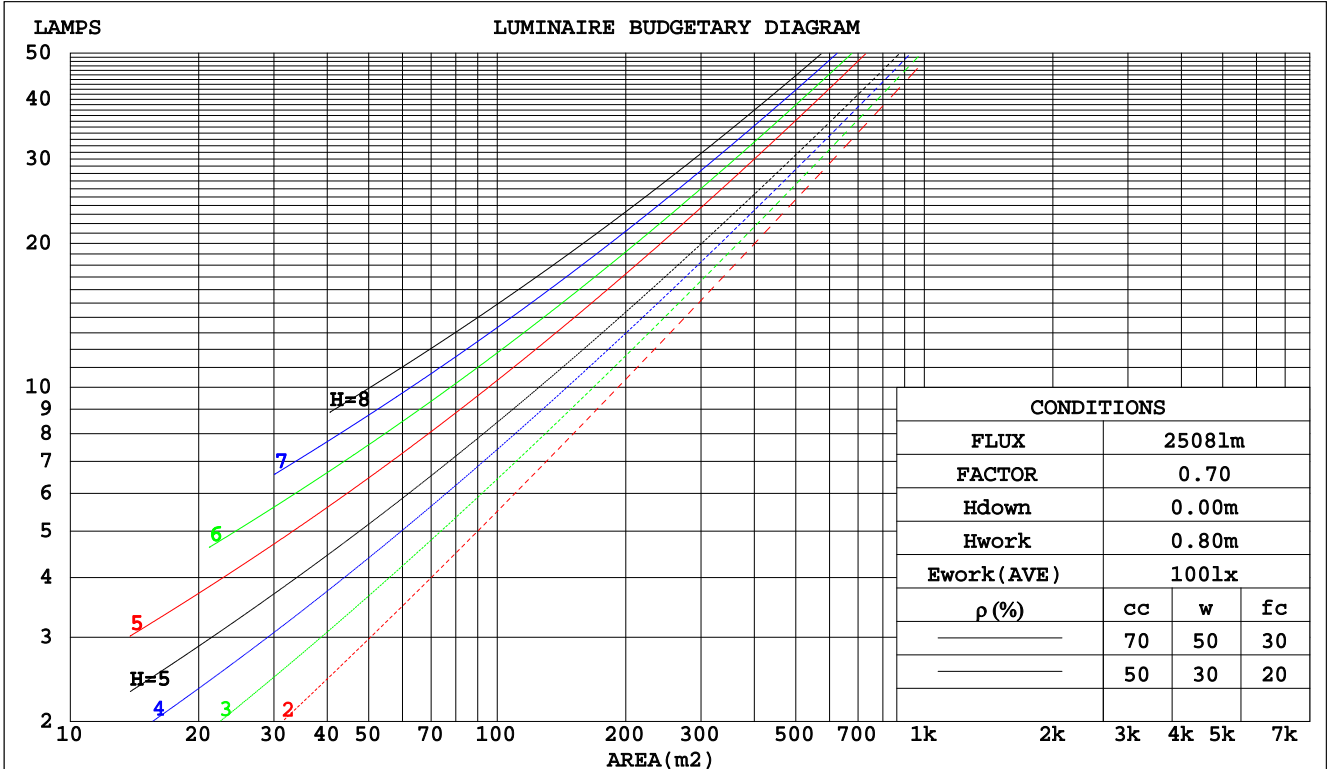
C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2019-03-21

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.276  
 Humidity:65.0%  
 Test Distance:9.443m [K=1.0000]  
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|  |             |                   |
|--|-------------|-------------------|
| Test:U:240.4V I:0.1120A P:25.50W PF:0.9450 Lamp Flux:2508.2x1 lm |             |                   |
| NAME: LED-OY25W-CC-IP54  | TYPE:25W    | WEIGHT:           |
| DIM.:  | SPEC.:5700K | SERIAL No.:1      |
| MFR.:  | SUR.:0.135  | PROTECTION ANGLE: |

| pcc  | 80%                             |      |      | 70%  |      |      | 50%  |      |      | 30%  |      |      | 10%  |      |      | 0   |
|------|---------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|
|      | 50%                             | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0   |
| pw   |                                 |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 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 | 1.10 | 1.10 | 1.10 | 1.05 | 1.05 | 1.05 | 1.00 | 1.00 | 1.00 | .98 |
| 1.0  | 1.03                            | .99  | .95  | 1.01 | .97  | .93  | .96  | .93  | .90  | .92  | .89  | .87  | .88  | .86  | .84  | .82 |
| 2.0  | .90                             | .83  | .77  | .88  | .82  | .76  | .84  | .79  | .74  | .80  | .76  | .72  | .77  | .74  | .70  | .68 |
| 3.0  | .79                             | .71  | .64  | .77  | .70  | .63  | .74  | .67  | .62  | .71  | .65  | .61  | .68  | .64  | .60  | .57 |
| 4.0  | .70                             | .61  | .54  | .68  | .60  | .54  | .66  | .59  | .53  | .63  | .57  | .52  | .61  | .55  | .51  | .49 |
| 5.0  | .62                             | .53  | .47  | .61  | .53  | .46  | .59  | .51  | .46  | .57  | .50  | .45  | .55  | .49  | .44  | .42 |
| 6.0  | .56                             | .47  | .41  | .55  | .47  | .40  | .53  | .46  | .40  | .51  | .45  | .39  | .50  | .44  | .39  | .37 |
| 7.0  | .51                             | .42  | .36  | .50  | .42  | .36  | .48  | .41  | .35  | .47  | .40  | .35  | .45  | .39  | .35  | .33 |
| 8.0  | .46                             | .38  | .32  | .46  | .38  | .32  | .44  | .37  | .32  | .43  | .36  | .31  | .41  | .35  | .31  | .29 |
| 9.0  | .43                             | .34  | .29  | .42  | .34  | .29  | .41  | .33  | .28  | .39  | .33  | .28  | .38  | .32  | .28  | .26 |
| 10.0 | .39                             | .31  | .26  | .39  | .31  | .26  | .38  | .31  | .26  | .37  | .30  | .26  | .36  | .30  | .25  | .24 |



C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2019-03-21

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.276  
 Humidity:65.0%  
 Test Distance:9.443m [K=1.0000]  
 Remarks:

WEC AND CCEC

|  |             |                   |
|--|-------------|-------------------|
| Test:U:240.4V I:0.1120A P:25.50W PF:0.9450 Lamp Flux:2508.2x1 lm |             |                   |
| NAME: LED-OY25W-CC-IP54  | TYPE:25W    | WEIGHT:           |
| DIM.:  | SPEC.:5700K | SERIAL No.:1      |
| MFR.:  | SUR.:0.135  | PROTECTION ANGLE: |

| ρcc  | 80%                   |      |      | 70%  |      |      | 50%                             |      |      | 30%  |      |      | 10%  |      |      | 0 |
|------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|------|------|------|---|
| ρw   | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%                             | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |
| ρfc  | 20%                   |      |      | 20%  |      |      | 20%                             |      |      | 20%  |      |      | 20%  |      |      | 0 |
| RCR  | RCR:Room Cavity Ratio |      |      |      |      |      | Wall Exitance Coefficients(WEC) |      |      |      |      |      |      |      |      |   |
| 0.0  |                       |      |      |      |      |      |                                 |      |      |      |      |      |      |      |      |   |
| 1.0  | .312                  | .178 | .056 | .305 | .174 | .055 | .290                            | .167 | .053 | .277 | .160 | .051 | .265 | .154 | .050 |   |
| 2.0  | .292                  | .160 | .049 | .285 | .157 | .048 | .273                            | .152 | .047 | .261 | .146 | .046 | .250 | .142 | .045 |   |
| 3.0  | .270                  | .144 | .043 | .264 | .141 | .043 | .253                            | .137 | .042 | .242 | .133 | .041 | .233 | .129 | .040 |   |
| 4.0  | .249                  | .129 | .038 | .244 | .127 | .038 | .234                            | .124 | .037 | .224 | .120 | .036 | .216 | .117 | .036 |   |
| 5.0  | .230                  | .117 | .034 | .225 | .116 | .034 | .216                            | .113 | .033 | .208 | .110 | .033 | .200 | .107 | .032 |   |
| 6.0  | .213                  | .107 | .031 | .209 | .106 | .030 | .201                            | .103 | .030 | .194 | .101 | .030 | .187 | .098 | .029 |   |
| 7.0  | .198                  | .098 | .028 | .195 | .097 | .028 | .187                            | .095 | .027 | .181 | .093 | .027 | .174 | .091 | .027 |   |
| 8.0  | .185                  | .091 | .025 | .182 | .090 | .025 | .175                            | .088 | .025 | .169 | .086 | .025 | .164 | .084 | .024 |   |
| 9.0  | .174                  | .084 | .023 | .171 | .083 | .023 | .165                            | .081 | .023 | .159 | .080 | .023 | .154 | .078 | .023 |   |
| 10.0 | .163                  | .078 | .022 | .160 | .077 | .022 | .155                            | .076 | .021 | .150 | .075 | .021 | .146 | .073 | .021 |   |

| ρcc  | 80%                   |      |      | 70%  |      |      | 50%  |      |      | 30%  |      |      | 10%  |      |      | 0 |
|------|-----------------------|------|------|------|------|------|--|------|------|------|------|------|------|------|------|---|
| ρw   | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |
| ρfc  | 20%                   |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 0 |
| RCR  | RCR:Room Cavity Ratio |      |      |      |      |      | Ceiling Cavity Exitance Coefficients(CCEC) |      |      |      |      |      |      |      |      |   |
| 0.0  | .204                  | .204 | .204 | .175 | .175 | .175 | .119                                       | .119 | .119 | .068 | .068 | .068 | .022 | .022 | .022 |   |
| 1.0  | .194                  | .170 | .148 | .166 | .146 | .128 | .114                                       | .100 | .088 | .066 | .058 | .051 | .021 | .019 | .017 |   |
| 2.0  | .186                  | .146 | .112 | .160 | .126 | .097 | .109                                       | .087 | .068 | .063 | .051 | .040 | .020 | .016 | .013 |   |
| 3.0  | .179                  | .128 | .088 | .153 | .111 | .077 | .105                                       | .077 | .054 | .061 | .045 | .032 | .020 | .015 | .010 |   |
| 4.0  | .171                  | .115 | .073 | .147 | .100 | .063 | .101                                       | .069 | .044 | .058 | .041 | .026 | .019 | .013 | .009 |   |
| 5.0  | .164                  | .105 | .061 | .140 | .091 | .053 | .097                                       | .063 | .038 | .056 | .037 | .022 | .018 | .012 | .007 |   |
| 6.0  | .156                  | .096 | .054 | .134 | .084 | .047 | .093                                       | .058 | .033 | .054 | .034 | .020 | .017 | .011 | .006 |   |
| 7.0  | .150                  | .090 | .048 | .129 | .078 | .041 | .089                                       | .054 | .029 | .052 | .032 | .017 | .017 | .011 | .006 |   |
| 8.0  | .143                  | .084 | .043 | .123 | .073 | .038 | .085                                       | .051 | .027 | .050 | .030 | .016 | .016 | .010 | .005 |   |
| 9.0  | .137                  | .079 | .040 | .118 | .068 | .035 | .082                                       | .048 | .025 | .048 | .028 | .015 | .015 | .009 | .005 |   |
| 10.0 | .131                  | .075 | .037 | .113 | .065 | .032 | .079                                       | .046 | .023 | .046 | .027 | .014 | .015 | .009 | .005 |   |

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2019-03-21

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.276  
 Humidity:65.0%  
 Test Distance:9.443m [K=1.0000]  
 Remarks:

Uncorrected UGR Table

|  |                  |      |      |      |             |                |      |                   |      |      |
|--|------------------|------|------|------|-------------|----------------|------|-------------------|------|------|
| Test:U:240.4V I:0.1120A P:25.50W PF:0.9450 Lamp Flux:2508.2x1 lm |                  |      |      |      |             |                |      |                   |      |      |
| NAME: LED-OY25W-CC-IP54  |                  |      |      |      | TYPE:25W    |                |      | WEIGHT:           |      |      |
| DIM.:  |                  |      |      |      | SPEC.:5700K |                |      | SERIAL No.:1      |      |      |
| MFR.:  |                  |      |      |      | SUR.:0.135  |                |      | PROTECTION 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  | 21.8             | 23.3 | 22.1 | 23.5 | 23.7        | 21.7           | 23.2 | 22.0              | 23.4 | 23.7 |
| 3H   | 23.2             | 24.6 | 23.6 | 24.9 | 25.2        | 23.2           | 24.5 | 23.5              | 24.8 | 25.1 |
| 4H   | 23.8             | 25.1 | 24.2 | 25.4 | 25.7        | 23.7           | 25.1 | 24.1              | 25.3 | 25.6 |
| 6H   | 24.3             | 25.5 | 24.6 | 25.8 | 26.1        | 24.2           | 25.4 | 24.5              | 25.7 | 26.0 |
| 8H   | 24.4             | 25.6 | 24.8 | 25.9 | 26.2        | 24.3           | 25.5 | 24.7              | 25.8 | 26.1 |
| 12H  | 24.5             | 25.6 | 24.9 | 26.0 | 26.3        | 24.4           | 25.5 | 24.8              | 25.9 | 26.2 |
| 4H 2H  | 22.3             | 23.7 | 22.7 | 23.9 | 24.2        | 22.3           | 23.6 | 22.6              | 23.9 | 24.2 |
| 3H   | 24.0             | 25.2 | 24.4 | 25.5 | 25.8        | 23.9           | 25.1 | 24.3              | 25.4 | 25.8 |
| 4H   | 24.7             | 25.8 | 25.1 | 26.1 | 26.5        | 24.6           | 25.7 | 25.0              | 26.0 | 26.4 |
| 6H   | 25.3             | 26.2 | 25.7 | 26.6 | 27.0        | 25.2           | 26.1 | 25.6              | 26.5 | 26.9 |
| 8H   | 25.5             | 26.3 | 25.9 | 26.7 | 27.2        | 25.4           | 26.2 | 25.8              | 26.6 | 27.1 |
| 12H  | 25.6             | 26.4 | 26.1 | 26.8 | 27.3        | 25.5           | 26.3 | 26.0              | 26.7 | 27.2 |
| 8H 4H  | 25.0             | 25.8 | 25.4 | 26.2 | 26.7        | 24.9           | 25.8 | 25.3              | 26.2 | 26.6 |
| 6H   | 25.7             | 26.4 | 26.1 | 26.8 | 27.3        | 25.6           | 26.3 | 26.1              | 26.7 | 27.2 |
| 8H   | 26.0             | 26.6 | 26.5 | 27.1 | 27.6        | 25.9           | 26.5 | 26.3              | 27.0 | 27.4 |
| 12H  | 26.2             | 26.8 | 26.7 | 27.2 | 27.8        | 26.1           | 26.6 | 26.6              | 27.1 | 27.6 |
| 12H 4H   | 25.0             | 25.8 | 25.4 | 26.2 | 26.6        | 24.9           | 25.7 | 25.4              | 26.1 | 26.6 |
| 6H   | 25.7             | 26.4 | 26.2 | 26.8 | 27.3        | 25.6           | 26.3 | 26.1              | 26.7 | 27.2 |
| 8H   | 26.1             | 26.6 | 26.6 | 27.1 | 27.6        | 26.0           | 26.5 | 26.5              | 27.0 | 27.5 |
| 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 2508 lm Total Lamp Luminous Flux.(8log(F/F0) = 3.2)

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2019-03-21

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.276  
 Humidity:65.0%  
 Test Distance:9.443m [K=1.0000]  
 Remarks:

UTILIZATION FACTORS TABLE

|  |             |                   |
|--|-------------|-------------------|
| Test:U:240.4V I:0.1120A P:25.50W PF:0.9450 Lamp Flux:2508.2x1 lm |             |                   |
| NAME: LED-OY25W-CC-IP54  | TYPE:25W    | WEIGHT:           |
| DIM.:  | SPEC.:5700K | SERIAL No.:1      |
| MFR.:  | SUR.:0.135  | PROTECTION ANGLE: |

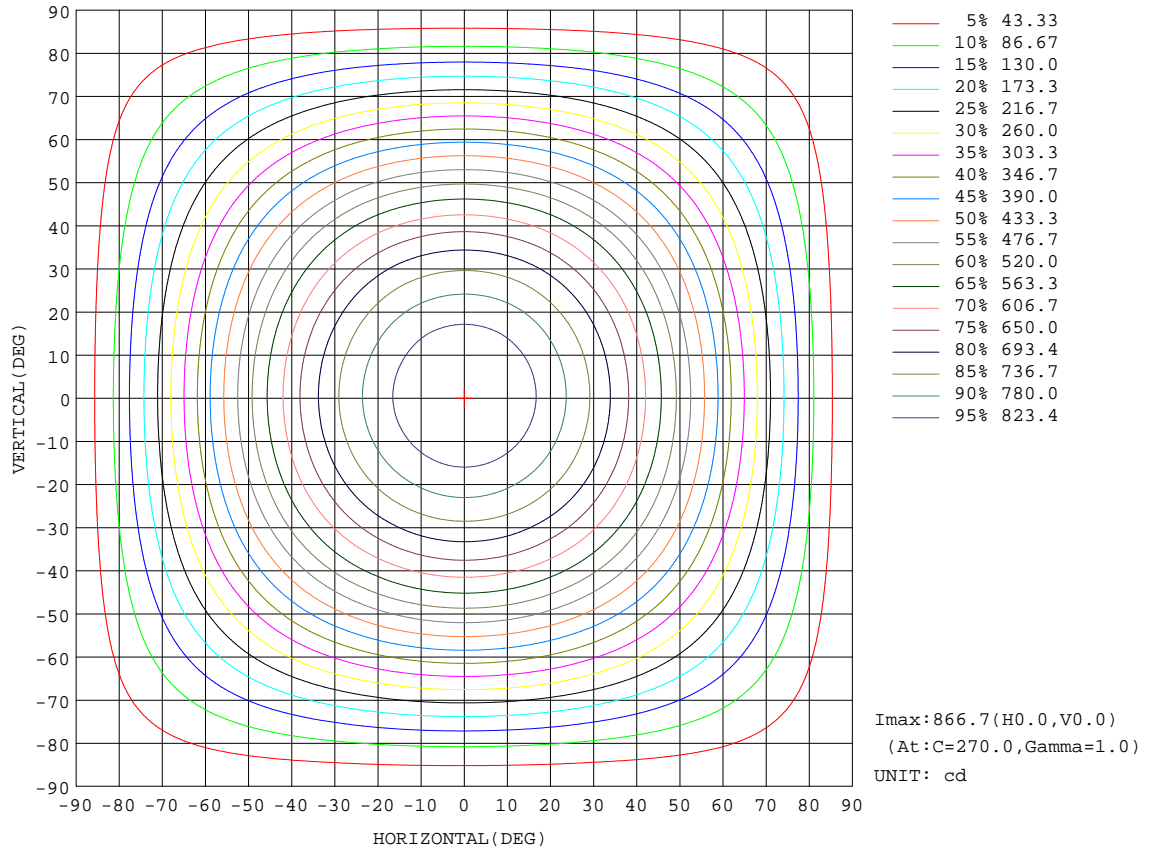
| REFLECTANCE                      |   |     |           |     |     |     |               |     |     |        |
|----------------------------------|---|-----|-----------|-----|-----|-----|---------------|-----|-----|--------|
| Ceiling                          | 0.8   | 0.8 | 0.8       | 0.7 | 0.7 | 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                         | 57  | 45  | 38        | 56  | 45  | 38  | 55            | 45  | 38  | 32     |
| 0.80                             | 67  | 55  | 48        | 66  | 55  | 48  | 64            | 54  | 47  | 40     |
| 1.00                             | 75  | 64  | 57        | 74  | 64  | 57  | 72            | 65  | 56  | 49     |
| 1.25                             | 82  | 72  | 65        | 81  | 71  | 64  | 78            | 69  | 63  | 56     |
| 1.50                             | 87  | 77  | 70        | 86  | 76  | 70  | 82            | 75  | 69  | 61     |
| 2.00                             | 94  | 86  | 79        | 92  | 84  | 78  | 89            | 82  | 77  | 68     |
| 2.50                             | 98  | 90  | 84        | 96  | 89  | 83  | 92            | 86  | 81  | 72     |
| 3.00                             | 102   | 95  | 89        | 99  | 93  | 88  | 95            | 90  | 85  | 76     |
| 4.00                             | 106   | 100 | 95        | 103 | 98  | 94  | 98            | 94  | 91  | 81     |
| 5.00                             | 108   | 103 | 99        | 105 | 101 | 97  | 101           | 97  | 94  | 84     |
| ROOM INDEX                       | UF(total)   |     |           |     |     |     |               |     |     | Direct |
| According to DIN EN 13032-2 2004 |   |     | Suspended |     |     |     | SHRNOM = 1.25 |     |     |        |

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2019-03-21

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.276  
 Humidity:65.0%  
 Test Distance:9.443m [K=1.0000]  
 Remarks:

**ISOCANDELA DIAGRAM**

|  |             |                   |
|--|-------------|-------------------|
| Test:U:240.4V I:0.1120A P:25.50W PF:0.9450 Lamp Flux:2508.2x1 lm |             |                   |
| NAME: LED-OY25W-CC-IP54  | TYPE:25W    | WEIGHT:           |
| DIM.:  | SPEC.:5700K | SERIAL No.:1      |
| MFR.:  | SUR.:0.135  | PROTECTION ANGLE: |

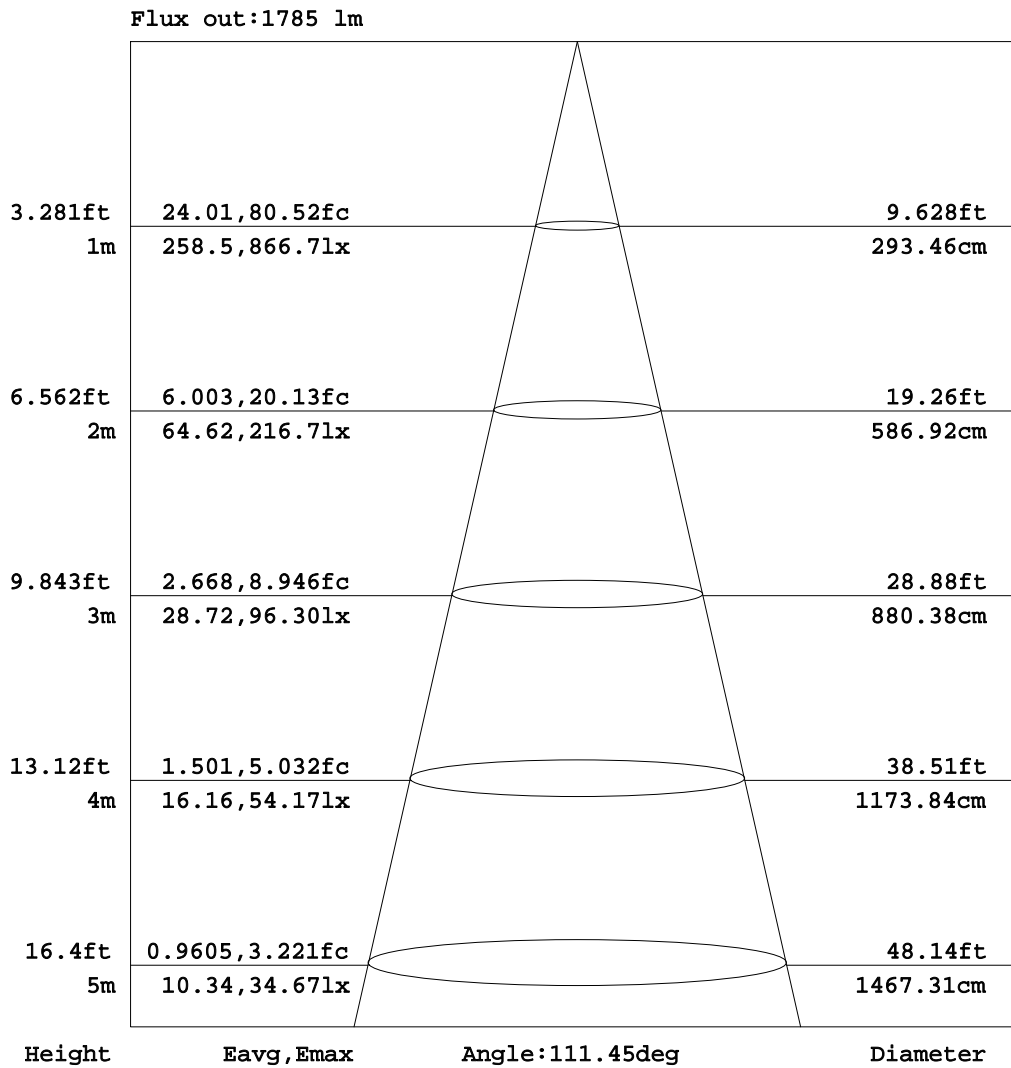


C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2019-03-21

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.276  
 Humidity:65.0%  
 Test Distance:9.443m [K=1.0000]  
 Remarks:

AAI Figure

|  |             |                   |
|--|-------------|-------------------|
| Test:U:240.4V I:0.1120A P:25.50W PF:0.9450 Lamp Flux:2508.2x1 lm |             |                   |
| NAME: LED-OY25W-CC-IP54  | TYPE:25W    | WEIGHT:           |
| DIM.:  | SPEC.:5700K | SERIAL No.:1      |
| MFR.:  | SUR.:0.135  | PROTECTION ANGLE: |



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

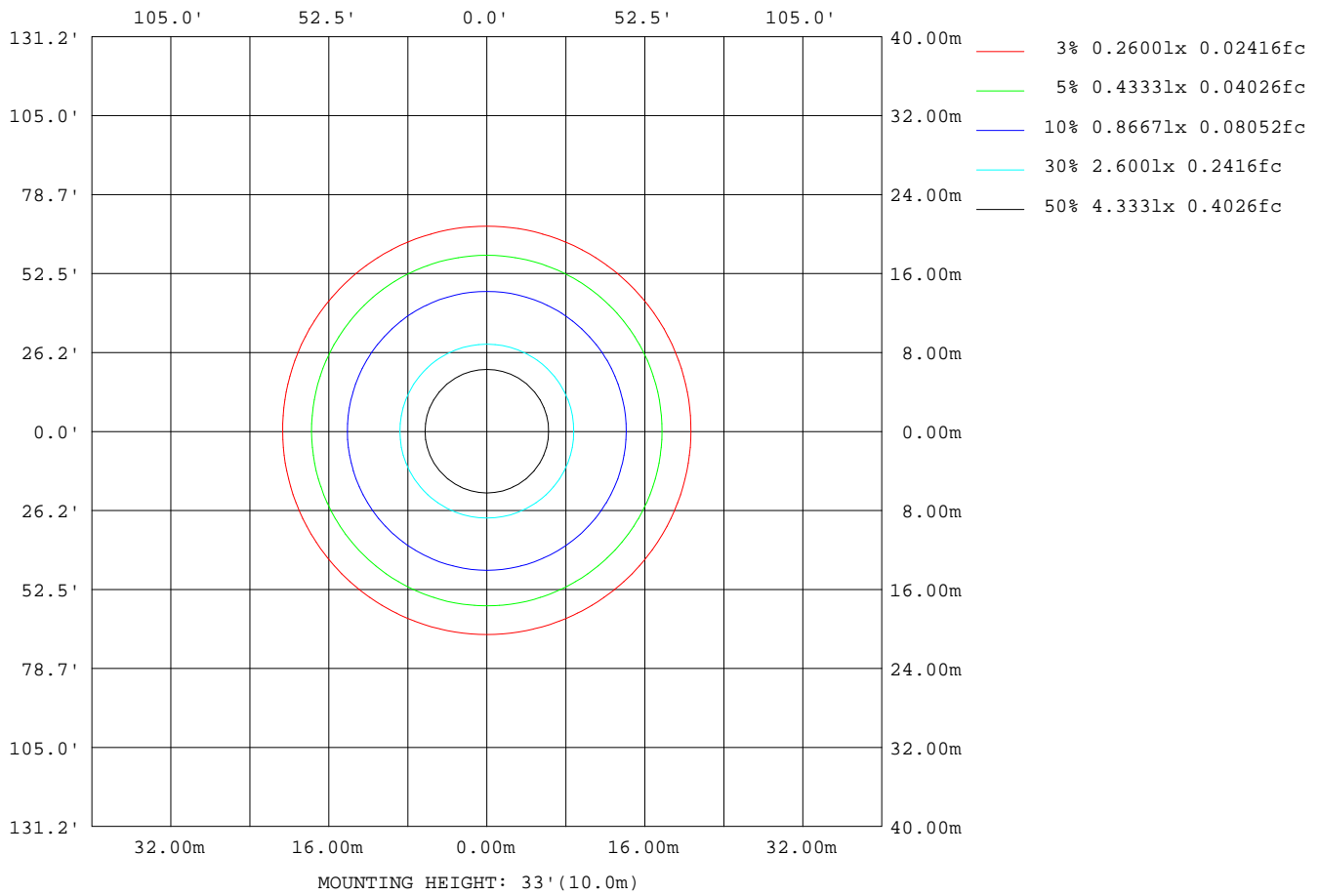
C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2019-03-21

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.276  
 Humidity:65.0%  
 Test Distance:9.443m [K=1.0000]  
 Remarks:



ISOLUX DIAGRAM

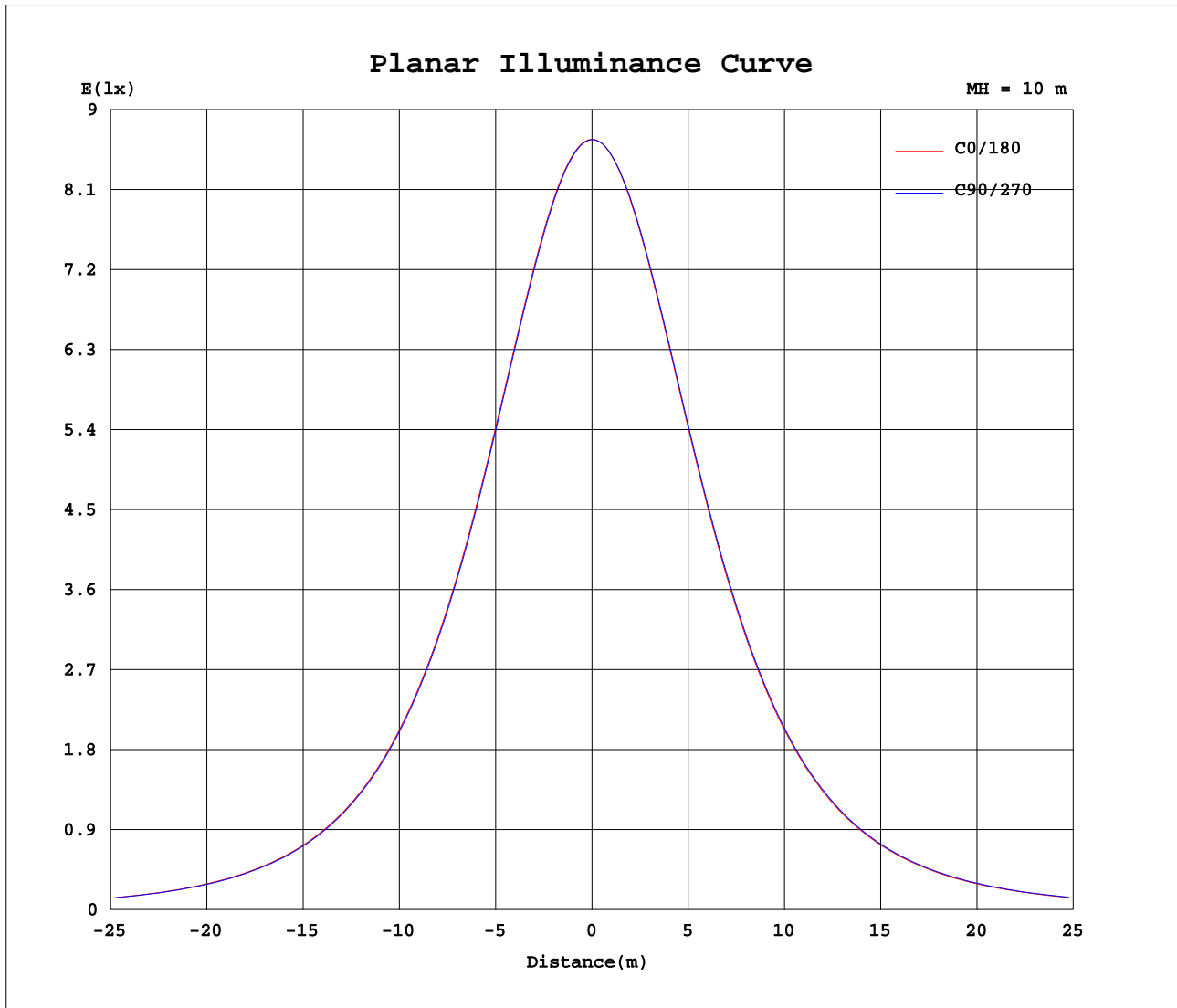
|  |             |                   |
|--|-------------|-------------------|
| Test:U:240.4V I:0.1120A P:25.50W PF:0.9450 Lamp Flux:2508.2x1 lm |             |                   |
| NAME: LED-OY25W-CC-IP54  | TYPE:25W    | WEIGHT:           |
| DIM.:  | SPEC.:5700K | SERIAL No.:1      |
| MFR.:  | SUR.:0.135  | PROTECTION ANGLE: |



C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2019-03-21

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.276  
 Humidity:65.0%  
 Test Distance:9.443m [K=1.0000]  
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2019-03-21

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.276  
 Humidity: 65.0%  
 Test Distance: 9.443m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

|  |             |                   |
|--|-------------|-------------------|
| Test:U:240.4V I:0.1120A P:25.50W PF:0.9450 Lamp Flux:2508.2x1 lm |             |                   |
| NAME: LED-OY25W-CC-IP54  | TYPE:25W    | WEIGHT:           |
| DIM.:  | SPEC.:5700K | SERIAL No.:1      |
| MFR.:  | SUR.:0.135  | PROTECTION ANGLE: |

Table--1

UNIT: cd

| C( DEG)<br>γ (DEG) | 0    | 30   | 60   | 90   | 120  | 150  | 180  | 210  | 240  | 270  | 300  | 330  |  |  |  |  |  |  |  |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|--|--|--|--|--|
| 0                  | 866  | 866  | 866  | 866  | 866  | 866  | 866  | 866  | 866  | 866  | 866  | 866  |  |  |  |  |  |  |  |
| 5                  | 862  | 862  | 862  | 862  | 862  | 862  | 862  | 863  | 863  | 863  | 864  | 863  |  |  |  |  |  |  |  |
| 10                 | 851  | 850  | 849  | 849  | 849  | 849  | 850  | 851  | 852  | 852  | 853  | 852  |  |  |  |  |  |  |  |
| 15                 | 831  | 830  | 829  | 828  | 828  | 829  | 831  | 832  | 834  | 834  | 834  | 833  |  |  |  |  |  |  |  |
| 20                 | 804  | 803  | 801  | 800  | 800  | 802  | 804  | 805  | 807  | 807  | 807  | 806  |  |  |  |  |  |  |  |
| 25                 | 770  | 768  | 766  | 766  | 765  | 767  | 769  | 771  | 773  | 774  | 774  | 772  |  |  |  |  |  |  |  |
| 30                 | 729  | 727  | 725  | 724  | 724  | 726  | 728  | 731  | 733  | 733  | 734  | 731  |  |  |  |  |  |  |  |
| 35                 | 682  | 680  | 677  | 677  | 676  | 678  | 681  | 684  | 687  | 687  | 687  | 685  |  |  |  |  |  |  |  |
| 40                 | 629  | 627  | 624  | 624  | 623  | 626  | 629  | 631  | 635  | 635  | 635  | 632  |  |  |  |  |  |  |  |
| 45                 | 571  | 570  | 566  | 566  | 565  | 568  | 571  | 574  | 578  | 578  | 578  | 575  |  |  |  |  |  |  |  |
| 50                 | 509  | 507  | 504  | 503  | 503  | 506  | 509  | 512  | 516  | 516  | 516  | 512  |  |  |  |  |  |  |  |
| 55                 | 443  | 441  | 438  | 437  | 437  | 440  | 443  | 446  | 450  | 450  | 450  | 446  |  |  |  |  |  |  |  |
| 60                 | 373  | 372  | 368  | 369  | 368  | 371  | 375  | 378  | 381  | 381  | 381  | 377  |  |  |  |  |  |  |  |
| 65                 | 302  | 300  | 297  | 297  | 297  | 299  | 303  | 307  | 309  | 310  | 309  | 306  |  |  |  |  |  |  |  |
| 70                 | 231  | 229  | 226  | 226  | 226  | 229  | 232  | 236  | 238  | 238  | 237  | 235  |  |  |  |  |  |  |  |
| 75                 | 161  | 160  | 157  | 158  | 158  | 161  | 164  | 166  | 169  | 169  | 168  | 164  |  |  |  |  |  |  |  |
| 80                 | 98.6 | 98.3 | 95.8 | 95.7 | 96.8 | 100  | 102  | 102  | 105  | 105  | 105  | 101  |  |  |  |  |  |  |  |
| 85                 | 46.3 | 47.0 | 44.9 | 45.0 | 45.4 | 48.1 | 49.4 | 48.9 | 50.6 | 50.8 | 50.3 | 47.6 |  |  |  |  |  |  |  |
| 90                 | 14.0 | 14.0 | 12.3 | 12.7 | 12.0 | 13.6 | 14.2 | 14.5 | 14.6 | 15.7 | 14.4 | 14.1 |  |  |  |  |  |  |  |
| 95                 | 5.37 | 3.74 | 4.07 | 5.45 | 4.78 | 3.49 | 4.40 | 6.17 | 5.60 | 4.46 | 5.70 | 7.00 |  |  |  |  |  |  |  |
| 100                | 2.97 | 2.90 | 2.96 | 3.10 | 3.00 | 2.92 | 3.33 | 3.23 | 3.06 | 3.21 | 3.51 | 3.68 |  |  |  |  |  |  |  |
| 105                | 3.43 | 3.48 | 3.55 | 3.55 | 3.57 | 3.52 | 3.84 | 3.78 | 3.68 | 3.71 | 3.75 | 3.72 |  |  |  |  |  |  |  |
| 110                | 4.20 | 4.26 | 4.42 | 4.34 | 4.43 | 4.33 | 4.67 | 4.63 | 4.53 | 4.52 | 4.51 | 4.53 |  |  |  |  |  |  |  |
| 115                | 5.04 | 5.12 | 5.22 | 5.22 | 5.33 | 5.20 | 5.56 | 5.49 | 5.40 | 5.37 | 5.37 | 5.38 |  |  |  |  |  |  |  |
| 120                | 5.91 | 6.00 | 6.07 | 6.09 | 6.17 | 6.09 | 6.45 | 6.35 | 6.28 | 6.25 | 6.24 | 6.25 |  |  |  |  |  |  |  |
| 125                | 6.78 | 6.86 | 6.96 | 6.98 | 7.02 | 6.96 | 7.33 | 7.25 | 7.17 | 7.13 | 7.11 | 7.13 |  |  |  |  |  |  |  |
| 130                | 7.65 | 7.72 | 7.83 | 7.84 | 7.89 | 7.82 | 8.20 | 8.11 | 8.02 | 8.00 | 7.95 | 8.00 |  |  |  |  |  |  |  |
| 135                | 8.50 | 8.58 | 8.68 | 8.71 | 8.72 | 8.68 | 9.03 | 8.96 | 8.86 | 8.83 | 8.80 | 8.85 |  |  |  |  |  |  |  |
| 140                | 9.32 | 9.38 | 9.50 | 9.53 | 9.57 | 9.51 | 9.81 | 9.74 | 9.66 | 9.63 | 9.60 | 9.64 |  |  |  |  |  |  |  |
| 145                | 10.1 | 10.2 | 10.3 | 10.3 | 10.3 | 10.3 | 10.6 | 10.5 | 10.4 | 10.4 | 10.4 | 10.4 |  |  |  |  |  |  |  |
| 150                | 10.8 | 10.9 | 10.9 | 11.0 | 11.0 | 11.0 | 11.2 | 11.2 | 11.1 | 11.1 | 11.0 | 11.1 |  |  |  |  |  |  |  |
| 155                | 11.5 | 11.5 | 11.6 | 11.7 | 11.7 | 11.6 | 11.8 | 11.8 | 11.7 | 11.7 | 11.7 | 11.7 |  |  |  |  |  |  |  |
| 160                | 12.1 | 12.2 | 12.2 | 12.3 | 12.3 | 12.2 | 12.4 | 12.4 | 12.3 | 12.3 | 12.2 | 12.3 |  |  |  |  |  |  |  |
| 165                | 12.7 | 12.7 | 12.8 | 12.8 | 12.8 | 12.8 | 12.9 | 12.9 | 12.8 | 12.8 | 12.8 | 12.8 |  |  |  |  |  |  |  |
| 170                | 13.2 | 13.3 | 13.3 | 13.3 | 13.3 | 13.3 | 13.3 | 13.3 | 13.3 | 13.2 | 13.2 | 13.2 |  |  |  |  |  |  |  |
| 175                | 13.6 | 13.6 | 13.6 | 13.6 | 13.6 | 13.6 | 13.7 | 13.6 | 13.6 | 13.6 | 13.6 | 13.6 |  |  |  |  |  |  |  |
| 180                | 13.7 | 13.7 | 13.7 | 13.7 | 13.7 | 13.7 | 13.8 | 13.7 | 13.7 | 13.7 | 13.8 | 13.7 |  |  |  |  |  |  |  |

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2019-03-21

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.276  
 Humidity:65.0%  
 Test Distance:9.443m [K=1.0000]  
 Remarks: