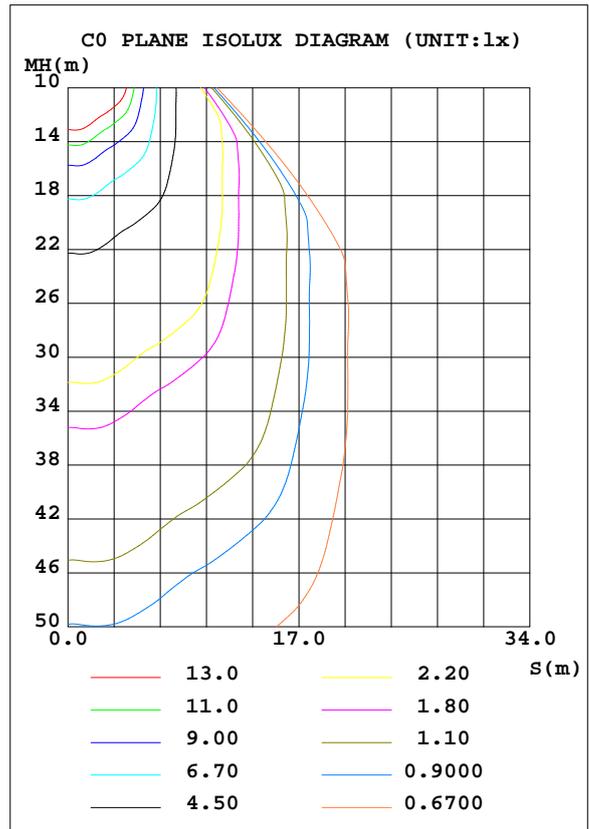
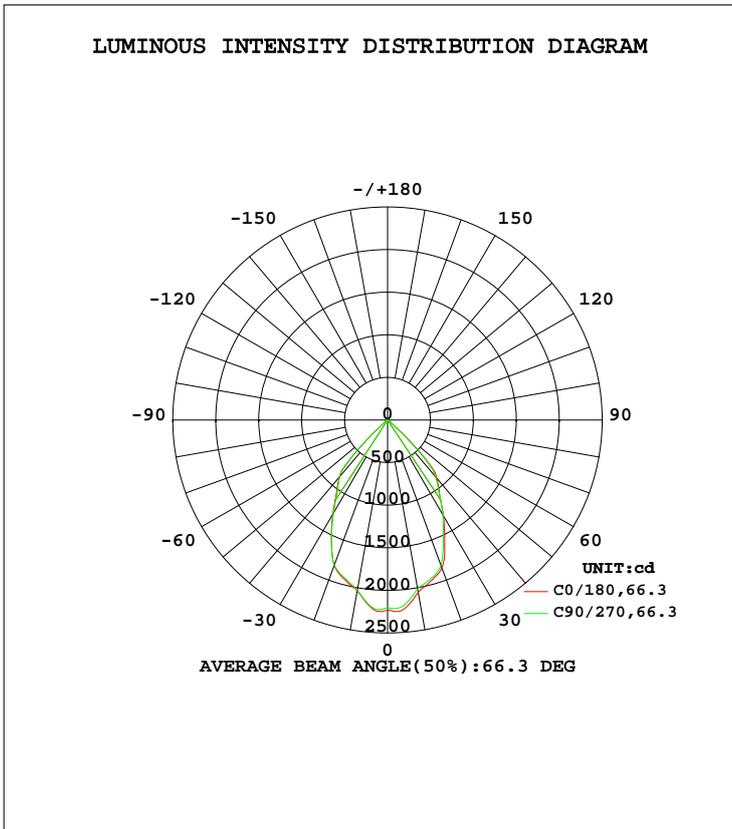


LUMINAIRE PHOTOMETRIC TEST REPORT

|  |             |                  |
|--|-------------|------------------|
| Test:U:220.45V I:0.1428A P:31.081W PF:0.9874 Freq:50.01Hz Lamp Flux:2565.22x1 lm |             |                  |
| NAME: DL3082-WHTC30C01   | TYPE:       | WEIGHT:          |
| SPEC.: white RA90 3000K+5700K  | DIM.:       | SERIAL No.:      |
| MFR.:  | SUR.: 100mm | Shielding Angle: |

| DATA OF LAMP     |                  | PHOTOMETRIC DATA Eff: 82.53 lm/W |        |                    |          |
|------------------|------------------|----------------------------------|--------|--------------------|----------|
| MODEL            | TB25141209 3000K | I <sub>max</sub> (cd)            | 2252   | S/MH(C0/180)       | 0.96     |
| NOMINAL POWER(W) | 30               | LOR(%)                           | 100.0  | S/MH(C90/270)      | 0.96     |
| RATED VOLTAGE(V) | 220-240          | TOTAL FLUX(lm)                   | 2565.2 | η UP, DN(C0-180)   | 0.0,50.5 |
| NOMINAL FLUX(lm) | 2565.22          | CIE CLASS                        | DIRECT | η UP, DN(C180-360) | 0.0,49.5 |
| LAMPS INSIDE     | 1                | η up(%)                          | 0.0    | CIBSE SHR NOM      | 1.00     |
| TEST VOLTAGE(V)  | 220              | η down(%)                        | 100.0  | CIBSE SHR MAX      | 1.10     |



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:  
 Test Date:2023-12-07

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.428  
 Humidity:65.0%  
 Test Distance:7.450m [K=1.0000]  
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

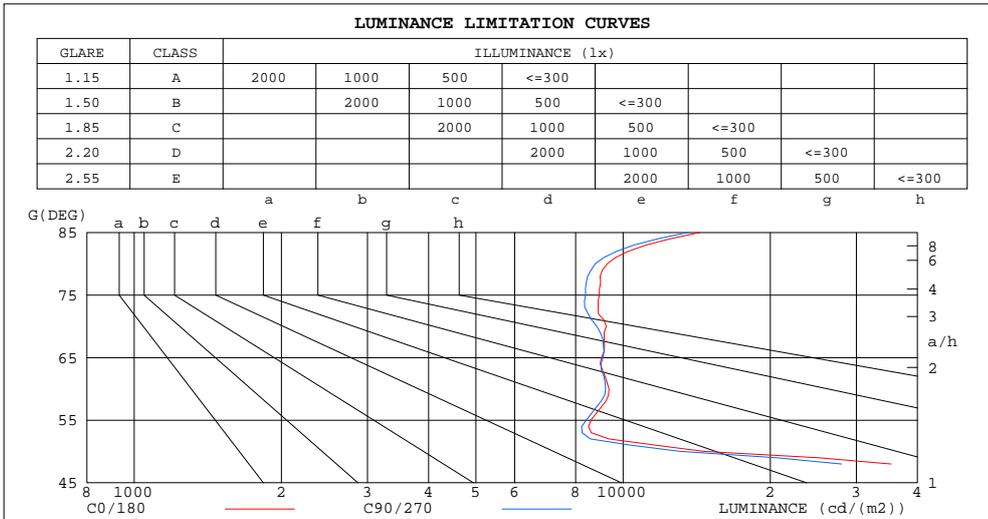
| $\gamma$ | C0                    | C45    | C90    | C135   | C180   | C225   | C270   | C315   | $\gamma$ | $\Phi$ zone | $\Phi$ total | $\Phi$ lum,lamp |
|----------|-----------------------|--------|--------|--------|--------|--------|--------|--------|----------|-------------|--------------|-----------------|
| 10       | 2056                  | 2041   | 2014   | 2000   | 2036   | 2029   | 2029   | 2014   | 0- 10    | 203.4       | 203.4        | 7.93,7.93       |
| 20       | 1847                  | 1843   | 1819   | 1792   | 1816   | 1803   | 1813   | 1805   | 10- 20   | 543.0       | 746.5        | 29.1,29.1       |
| 30       | 1302                  | 1310   | 1290   | 1279   | 1277   | 1251   | 1259   | 1262   | 20- 30   | 709.1       | 1456         | 56.7,56.7       |
| 40       | 890.0                 | 892.1  | 868.4  | 859.8  | 871.9  | 856.1  | 865.8  | 849.4  | 30- 40   | 655.3       | 2111         | 82.3,82.3       |
| 50       | 73.85                 | 71.61  | 66.16  | 66.09  | 65.22  | 68.34  | 72.68  | 74.55  | 40- 50   | 360.0       | 2471         | 96.3,96.3       |
| 60       | 36.72                 | 36.14  | 36.13  | 35.64  | 35.76  | 35.46  | 35.81  | 35.99  | 50- 60   | 37.60       | 2508         | 97.8,97.8       |
| 70       | 24.80                 | 24.38  | 23.71  | 23.97  | 24.00  | 24.02  | 23.65  | 24.01  | 60- 70   | 29.11       | 2538         | 98.9,98.9       |
| 80       | 12.66                 | 12.50  | 11.96  | 11.89  | 11.97  | 12.10  | 12.48  | 12.42  | 70- 80   | 18.72       | 2556         | 99.7,99.7       |
| 90       | 0.4246                | 0.4324 | 0.4517 | 0.4478 | 0.1042 | 0.0965 | 0.0926 | 0.0926 | 80- 90   | 8.972       | 2565         | 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     |              |                 |

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:  
 Test Date:2023-12-07

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.428  
 Humidity:65.0%  
 Test Distance:7.450m [K=1.0000]  
 Remarks:

**LUMINANCE LIMITATION CURVES**

|  |             |                  |
|--|-------------|------------------|
| Test:U:220.45V I:0.1428A P:31.081W PF:0.9874 Freq:50.01Hz Lamp Flux:2565.22x1 lm |             |                  |
| NAME: DL3082-WHTC30C01   | TYPE:       | WEIGHT:          |
| SPEC.: white RA90 3000K+5700K  | DIM.:       | SERIAL No.:      |
| MFR.:  | SUR.: 100mm | Shielding Angle: |



| LUMINANCE cd/(m2) |        |         |
|-------------------|--------|---------|
| G (DEG)           | C0/180 | C90/270 |
| 85                | 14367  | 13593   |
| 80                | 9285   | 8772    |
| 75                | 8942   | 8385    |
| 70                | 9236   | 8831    |
| 65                | 9028   | 9099    |
| 60                | 9356   | 9205    |
| 55                | 8597   | 8408    |
| 50                | 14637  | 13111   |
| 45                | 95516  | 85295   |

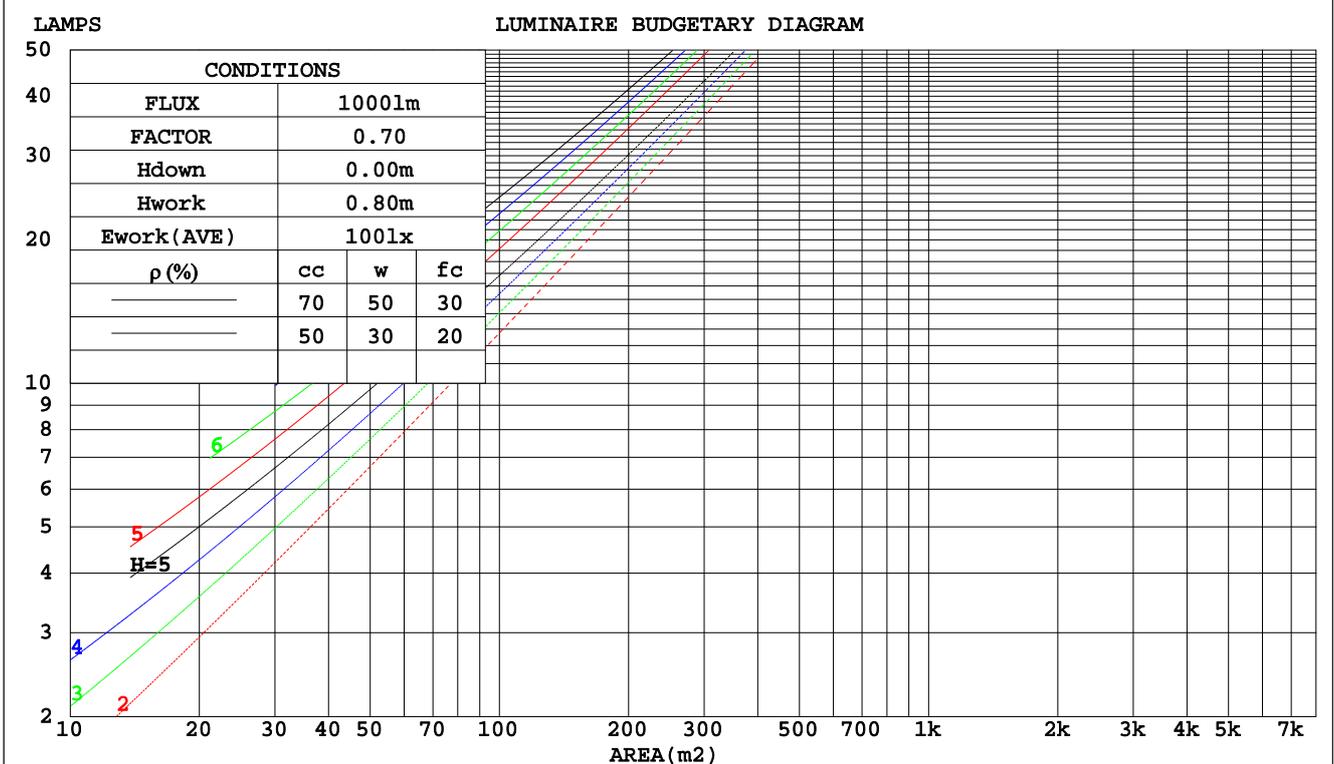
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25DEG  
 Operators:  
 Test Date: 2023-12-07

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.428  
 Humidity: 65.0%  
 Test Distance: 7.450m [K=1.0000]  
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|  |             |                  |
|--|-------------|------------------|
| Test:U:220.45V I:0.1428A P:31.081W PF:0.9874 Freq:50.01Hz Lamp Flux:2565.22x1 lm |             |                  |
| NAME: DL3082-WHTC30C01   | TYPE:       | WEIGHT:          |
| SPEC.: white RA90 3000K+5700K  | DIM.:       | SERIAL No.:      |
| MFR.:  | SUR.: 100mm | Shielding 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   |                       |      |      |      |      |      |                                 |      |      |      |      |      |      |      |      |      |
| 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  | 1.10                  | 1.07 | 1.04 | 1.07 | 1.05 | 1.03 | 1.03                            | 1.01 | .99  | .00  | .98  | .96  | .96  | .95  | .94  | .92  |
| 2.0  | 1.01                  | .96  | .93  | .99  | .95  | .91  | .96                             | .92  | .89  | .93  | .90  | .88  | .90  | .88  | .86  | .84  |
| 3.0  | .93                   | .87  | .83  | .92  | .86  | .82  | .89                             | .84  | .81  | .86  | .83  | .80  | .84  | .81  | .78  | .77  |
| 4.0  | .86                   | .80  | .75  | .85  | .79  | .75  | .82                             | .78  | .74  | .80  | .76  | .73  | .78  | .75  | .72  | .70  |
| 5.0  | .80                   | .73  | .68  | .79  | .72  | .68  | .77                             | .71  | .67  | .75  | .70  | .67  | .73  | .69  | .66  | .64  |
| 6.0  | .74                   | .67  | .62  | .73  | .67  | .62  | .71                             | .66  | .62  | .70  | .65  | .61  | .69  | .64  | .61  | .59  |
| 7.0  | .69                   | .62  | .57  | .68  | .62  | .57  | .67                             | .61  | .57  | .65  | .60  | .57  | .64  | .60  | .56  | .55  |
| 8.0  | .64                   | .57  | .53  | .63  | .57  | .53  | .62                             | .57  | .53  | .61  | .56  | .52  | .60  | .56  | .52  | .51  |
| 9.0  | .60                   | .53  | .49  | .59  | .53  | .49  | .58                             | .53  | .49  | .57  | .52  | .49  | .57  | .52  | .48  | .47  |
| 10.0 | .56                   | .50  | .46  | .56  | .50  | .46  | .55                             | .49  | .45  | .54  | .49  | .45  | .53  | .49  | .45  | .44  |



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25DEG  
 Operators:  
 Test Date: 2023-12-07

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.428  
 Humidity: 65.0%  
 Test Distance: 7.450m [K=1.0000]  
 Remarks:

WEC AND CCEC

|  |             |                  |
|--|-------------|------------------|
| Test:U:220.45V I:0.1428A P:31.081W PF:0.9874 Freq:50.01Hz Lamp Flux:2565.22x1 lm |             |                  |
| NAME: DL3082-WHTC30C01   | TYPE:       | WEIGHT:          |
| SPEC.: white RA90 3000K+5700K  | DIM.:       | SERIAL No.:      |
| MFR.:  | SUR.: 100mm | Shielding 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  | .200                  | .114 | .036 | .193 | .110 | .035 | .181                            | .104 | .033 | .169 | .097 | .031 | .158 | .092 | .030 |   |
| 2.0  | .192                  | .105 | .032 | .186 | .103 | .032 | .175                            | .098 | .030 | .165 | .093 | .029 | .156 | .088 | .028 |   |
| 3.0  | .183                  | .097 | .029 | .178 | .095 | .029 | .169                            | .091 | .028 | .160 | .088 | .027 | .152 | .084 | .026 |   |
| 4.0  | .174                  | .090 | .027 | .170 | .089 | .026 | .162                            | .086 | .026 | .154 | .083 | .025 | .147 | .080 | .024 |   |
| 5.0  | .166                  | .084 | .024 | .162 | .083 | .024 | .155                            | .081 | .024 | .148 | .078 | .023 | .142 | .076 | .023 |   |
| 6.0  | .158                  | .079 | .023 | .154 | .078 | .022 | .148                            | .076 | .022 | .142 | .074 | .022 | .137 | .072 | .021 |   |
| 7.0  | .150                  | .074 | .021 | .147 | .073 | .021 | .142                            | .072 | .021 | .137 | .070 | .020 | .132 | .068 | .020 |   |
| 8.0  | .144                  | .070 | .020 | .141 | .069 | .020 | .136                            | .068 | .019 | .131 | .066 | .019 | .127 | .065 | .019 |   |
| 9.0  | .137                  | .066 | .019 | .135 | .066 | .018 | .130                            | .064 | .018 | .126 | .063 | .018 | .122 | .062 | .018 |   |
| 10.0 | .131                  | .063 | .017 | .129 | .062 | .017 | .125                            | .061 | .017 | .121 | .060 | .017 | .117 | .059 | .017 |   |

| 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  | .190                  | .190 | .190 | .163 | .163 | .163 | .111                                       | .111 | .111 | .064 | .064 | .064 | .020 | .020 | .020 |   |
| 1.0  | .173                  | .157 | .143 | .148 | .135 | .123 | .101                                       | .093 | .085 | .058 | .054 | .050 | .019 | .017 | .016 |   |
| 2.0  | .159                  | .132 | .110 | .136 | .114 | .095 | .093                                       | .079 | .066 | .054 | .046 | .039 | .017 | .015 | .013 |   |
| 3.0  | .148                  | .114 | .087 | .127 | .098 | .075 | .087                                       | .068 | .053 | .050 | .040 | .031 | .016 | .013 | .010 |   |
| 4.0  | .138                  | .099 | .070 | .119 | .086 | .060 | .082                                       | .060 | .043 | .047 | .035 | .025 | .015 | .011 | .008 |   |
| 5.0  | .130                  | .088 | .057 | .112 | .076 | .049 | .077                                       | .053 | .035 | .045 | .031 | .021 | .014 | .010 | .007 |   |
| 6.0  | .123                  | .079 | .047 | .106 | .068 | .041 | .073                                       | .048 | .029 | .042 | .028 | .017 | .014 | .009 | .006 |   |
| 7.0  | .117                  | .072 | .040 | .101 | .062 | .035 | .070                                       | .044 | .025 | .040 | .026 | .015 | .013 | .008 | .005 |   |
| 8.0  | .112                  | .066 | .034 | .096 | .057 | .030 | .066                                       | .040 | .021 | .039 | .024 | .013 | .013 | .008 | .004 |   |
| 9.0  | .107                  | .061 | .030 | .092 | .053 | .026 | .064                                       | .037 | .018 | .037 | .022 | .011 | .012 | .007 | .004 |   |
| 10.0 | .102                  | .056 | .026 | .088 | .049 | .023 | .061                                       | .034 | .016 | .036 | .020 | .010 | .012 | .007 | .003 |   |

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:  
 Test Date:2023-12-07

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.428  
 Humidity:65.0%  
 Test Distance:7.450m [K=1.0000]  
 Remarks:

UGR(Unified Glare Rating) Table

|  |             |                  |
|--|-------------|------------------|
| Test:U:220.45V I:0.1428A P:31.081W PF:0.9874 Freq:50.01Hz Lamp Flux:2565.22x1 lm |             |                  |
| NAME: DL3082-WHTC30C01   | TYPE:       | WEIGHT:          |
| SPEC.: white RA90 3000K+5700K  | DIM.:       | SERIAL No.:      |
| MFR.:  | SUR.: 100mm | 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   | 21.0             | 22.0 | 21.2 | 22.2 | 22.4 | 20.8           | 21.9 | 21.1 | 22.1 | 22.3 |
| 3H  | 20.9             | 21.9 | 21.1 | 22.1 | 22.3 | 20.7           | 21.7 | 21.0 | 21.9 | 22.1 |
| 4H  | 20.8             | 21.8 | 21.1 | 22.0 | 22.2 | 20.7           | 21.6 | 21.0 | 21.8 | 22.1 |
| 6H  | 20.8             | 21.7 | 21.1 | 21.9 | 22.2 | 20.7           | 21.5 | 21.0 | 21.8 | 22.0 |
| 8H  | 20.8             | 21.6 | 21.1 | 21.9 | 22.1 | 20.6           | 21.5 | 21.0 | 21.7 | 22.0 |
| 12H   | 20.8             | 21.6 | 21.1 | 21.9 | 22.1 | 20.6           | 21.4 | 21.0 | 21.7 | 22.0 |
| 4H 2H   | 20.7             | 21.7 | 21.0 | 21.9 | 22.1 | 20.6           | 21.5 | 20.9 | 21.7 | 22.0 |
| 3H  | 20.7             | 21.5 | 21.0 | 21.7 | 22.0 | 20.5           | 21.3 | 20.9 | 21.6 | 21.9 |
| 4H  | 20.7             | 21.4 | 21.0 | 21.7 | 22.0 | 20.5           | 21.2 | 20.9 | 21.5 | 21.9 |
| 6H  | 20.7             | 21.3 | 21.0 | 21.6 | 22.0 | 20.5           | 21.2 | 20.9 | 21.5 | 21.8 |
| 8H  | 20.7             | 21.3 | 21.1 | 21.6 | 22.0 | 20.5           | 21.1 | 20.9 | 21.5 | 21.8 |
| 12H   | 20.7             | 21.2 | 21.1 | 21.6 | 22.0 | 20.6           | 21.1 | 21.0 | 21.5 | 21.9 |
| 8H 4H   | 20.6             | 21.2 | 21.0 | 21.5 | 21.9 | 20.4           | 21.0 | 20.8 | 21.4 | 21.7 |
| 6H  | 20.6             | 21.1 | 21.0 | 21.5 | 21.9 | 20.5           | 21.0 | 20.9 | 21.3 | 21.8 |
| 8H  | 20.7             | 21.1 | 21.1 | 21.5 | 21.9 | 20.5           | 20.9 | 21.0 | 21.4 | 21.8 |
| 12H   | 20.7             | 21.1 | 21.2 | 21.5 | 22.0 | 20.6           | 21.0 | 21.1 | 21.4 | 21.9 |
| 12H 4H  | 20.5             | 21.1 | 20.9 | 21.4 | 21.8 | 20.4           | 20.9 | 20.8 | 21.3 | 21.7 |
| 6H  | 20.6             | 21.0 | 21.0 | 21.4 | 21.9 | 20.4           | 20.9 | 20.9 | 21.3 | 21.7 |
| 8H  | 20.6             | 21.0 | 21.1 | 21.5 | 21.9 | 20.5           | 20.9 | 21.0 | 21.3 | 21.8 |
| Variations with the observer position at spacings(CIE Pub.117): |                  |      |      |      |      |                |      |      |      |      |
| S = 1.0H  | + 3.0 / - 6.5    |      |      |      |      | + 3.0 / - 6.5  |      |      |      |      |
| 1.5H  | + 3.4 / - 7.1    |      |      |      |      | + 3.5 / - 7.2  |      |      |      |      |
| 2.0H  | + 7.0 / - 3.6    |      |      |      |      | + 6.8 / - 3.2  |      |      |      |      |

CIE Pub.117, 2565 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 3.3)  
 Area: 0.00785 m2

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:  
 Test Date:2023-12-07

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.428  
 Humidity:65.0%  
 Test Distance:7.450m [K=1.0000]  
 Remarks:

UTILIZATION FACTORS TABLE

|  |             |                  |
|--|-------------|------------------|
| Test:U:220.45V I:0.1428A P:31.081W PF:0.9874 Freq:50.01Hz Lamp Flux:2565.22x1 lm |             |                  |
| NAME: DL3082-WHTC30C01   | TYPE:       | WEIGHT:          |
| SPEC.: white RA90 3000K+5700K  | DIM.:       | SERIAL No.:      |
| MFR.:  | SUR.: 100mm | Shielding Angle: |

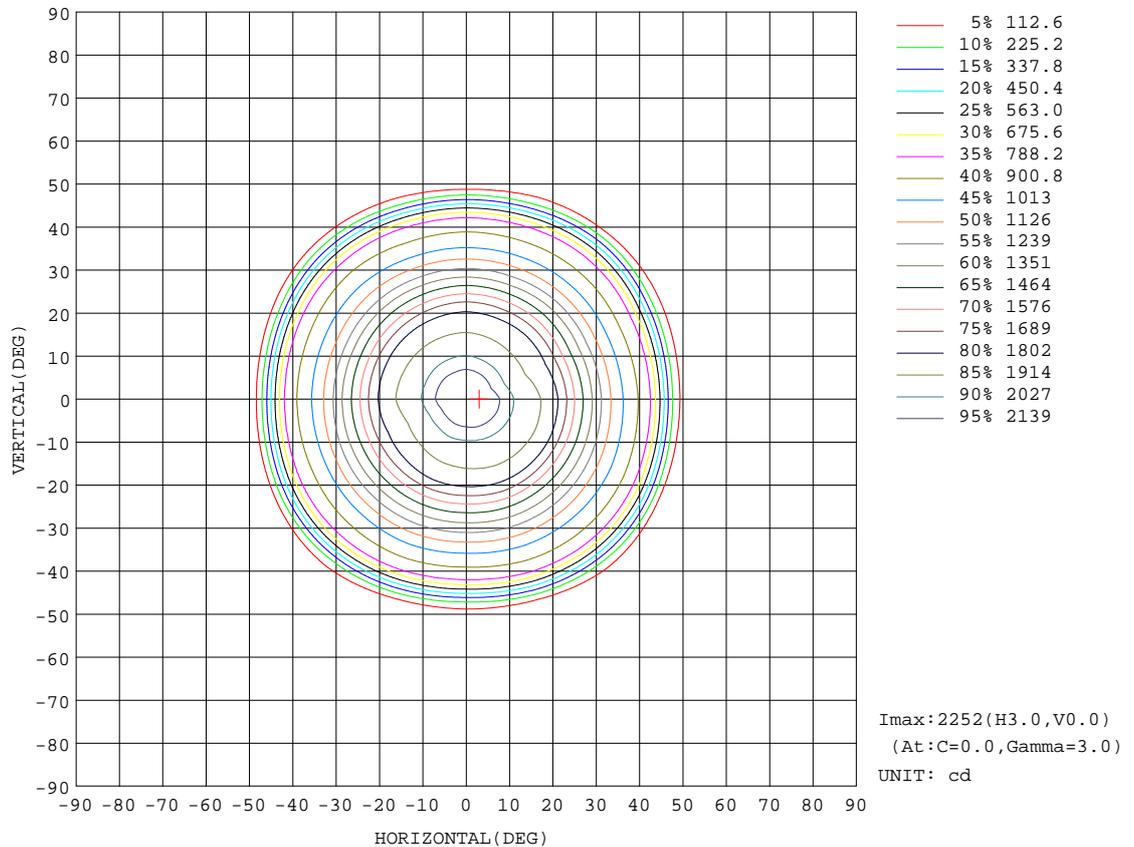
| REFLECTANCE                      |   |     |           |     |     |     |               |     |     |        |
|----------------------------------|---|-----|-----------|-----|-----|-----|---------------|-----|-----|--------|
| Ceiling                          | 0.8   | 0.8 | 0.8       | 0.7 | 0.7 | 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                         | 81  | 73  | 68        | 80  | 73  | 68  | 79            | 72  | 68  | 64     |
| 0.80                             | 89  | 82  | 77        | 88  | 82  | 77  | 87            | 81  | 77  | 73     |
| 1.00                             | 95  | 88  | 84        | 94  | 88  | 83  | 92            | 88  | 83  | 78     |
| 1.25                             | 100   | 93  | 89        | 98  | 93  | 89  | 96            | 92  | 88  | 83     |
| 1.50                             | 103   | 97  | 93        | 101 | 96  | 93  | 99            | 95  | 92  | 87     |
| 2.00                             | 106   | 101 | 98        | 105 | 100 | 97  | 102           | 98  | 95  | 90     |
| 2.50                             | 108   | 104 | 100       | 107 | 103 | 99  | 103           | 100 | 98  | 91     |
| 3.00                             | 110   | 106 | 103       | 108 | 105 | 102 | 105           | 102 | 100 | 93     |
| 4.00                             | 112   | 109 | 107       | 110 | 107 | 105 | 107           | 104 | 102 | 95     |
| 5.00                             | 114   | 111 | 109       | 112 | 109 | 107 | 108           | 106 | 104 | 96     |
| 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:25DEG  
 Operators:  
 Test Date:2023-12-07

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.428  
 Humidity:65.0%  
 Test Distance:7.450m [K=1.0000]  
 Remarks:

**ISOCANDELA DIAGRAM**

|  |             |                  |
|--|-------------|------------------|
| Test:U:220.45V I:0.1428A P:31.081W PF:0.9874 Freq:50.01Hz Lamp Flux:2565.22x1 lm |             |                  |
| NAME: DL3082-WHTC30C01   | TYPE:       | WEIGHT:          |
| SPEC.: white RA90 3000K+5700K  | DIM.:       | SERIAL No.:      |
| MFR.:  | SUR.: 100mm | Shielding Angle: |

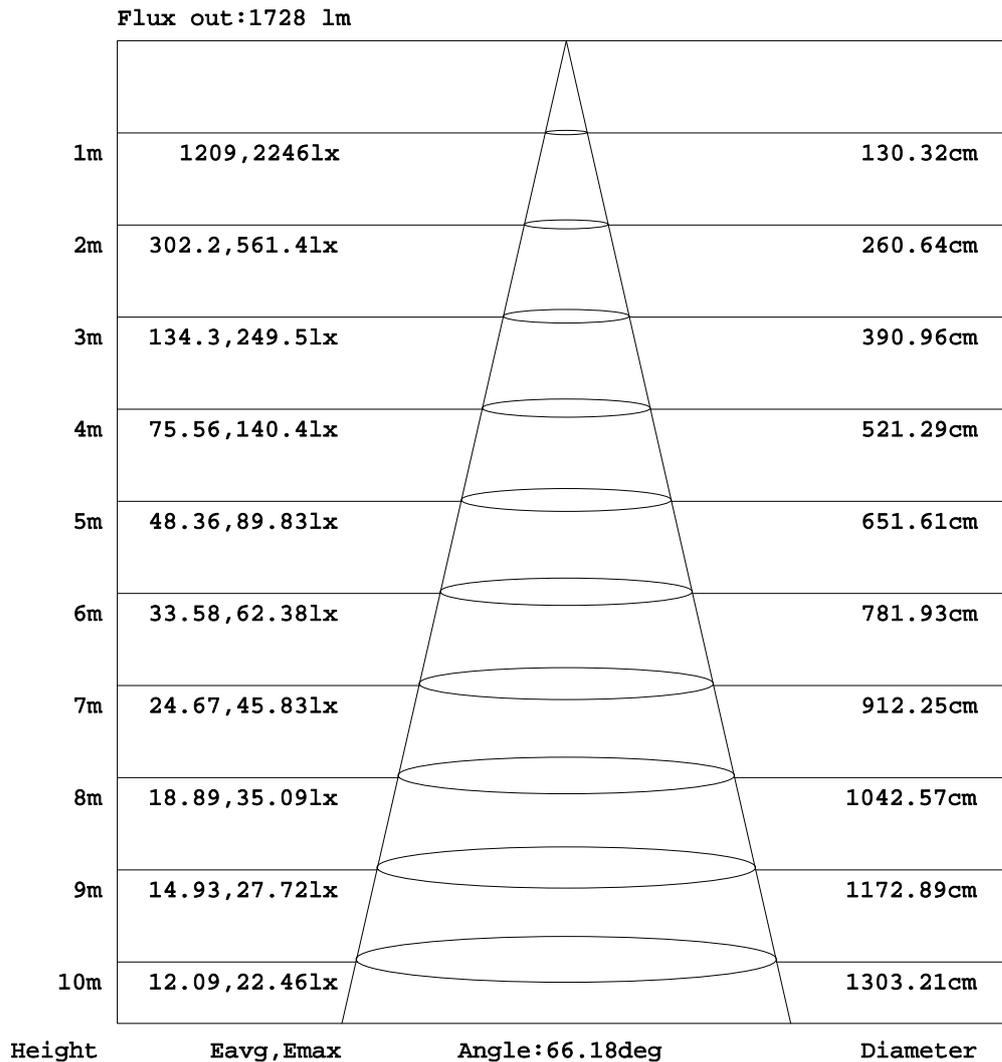


C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25DEG  
 Operators:  
 Test Date: 2023-12-07

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.428  
 Humidity: 65.0%  
 Test Distance: 7.450m [K=1.0000]  
 Remarks:

**AAI Figure**

|  |             |                  |
|--|-------------|------------------|
| Test:U:220.45V I:0.1428A P:31.081W PF:0.9874 Freq:50.01Hz Lamp Flux:2565.22x1 lm |             |                  |
| NAME: DL3082-WHTC30C01   | TYPE:       | WEIGHT:          |
| SPEC.: white RA90 3000K+5700K  | DIM.:       | SERIAL No.:      |
| MFR.:  | SUR.: 100mm | Shielding Angle: |



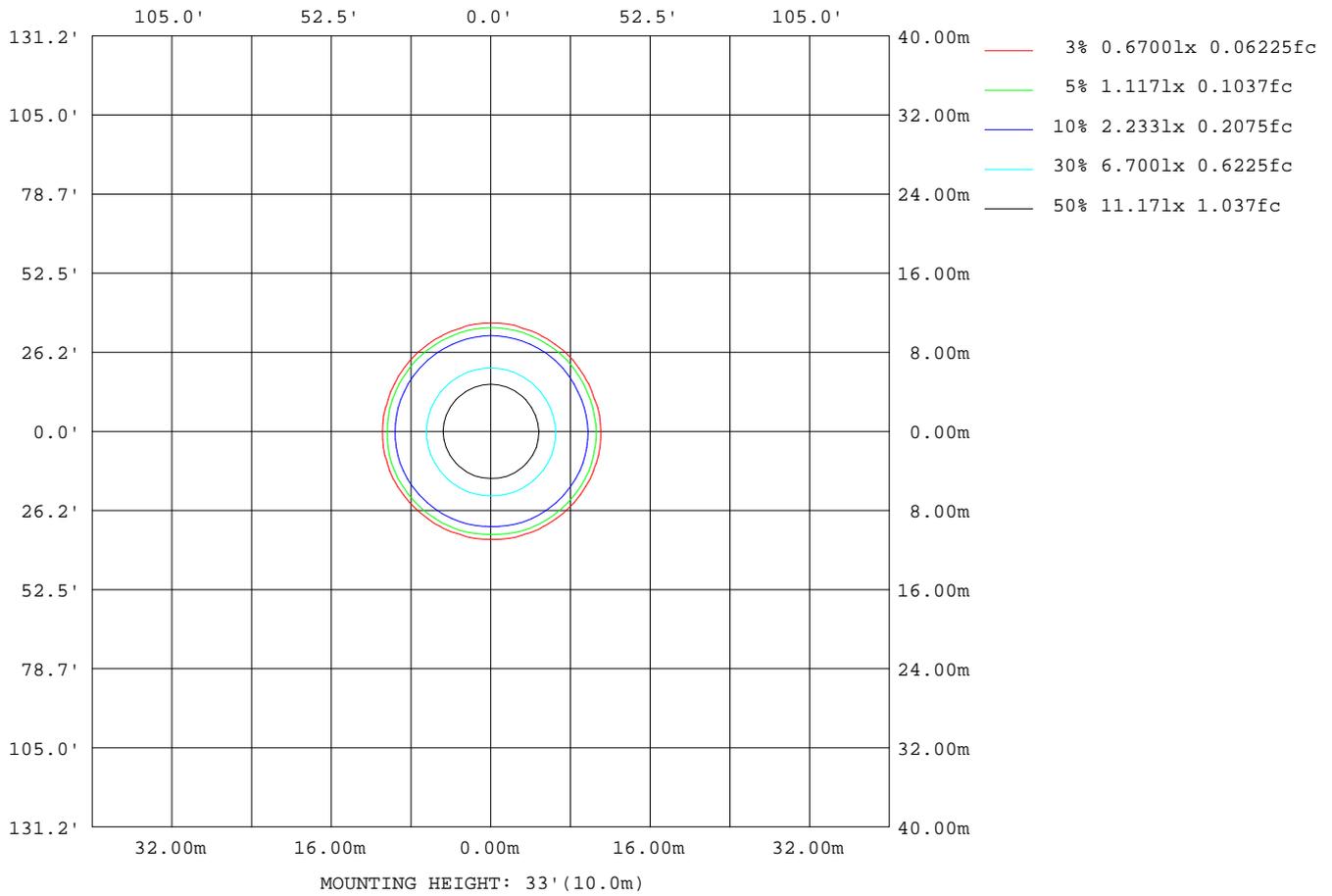
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:  
 Test Date:2023-12-07

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.428  
 Humidity:65.0%  
 Test Distance:7.450m [K=1.0000]  
 Remarks:

**ISOLUX DIAGRAM**

|  |             |                  |
|--|-------------|------------------|
| Test:U:220.45V I:0.1428A P:31.081W PF:0.9874 Freq:50.01Hz Lamp Flux:2565.22x1 lm |             |                  |
| NAME: DL3082-WHTC30C01   | TYPE:       | WEIGHT:          |
| SPEC.: white RA90 3000K+5700K  | DIM.:       | SERIAL No.:      |
| MFR.:  | SUR.: 100mm | Shielding Angle: |



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25DEG  
 Operators:  
 Test Date: 2023-12-07

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.428  
 Humidity: 65.0%  
 Test Distance: 7.450m [K=1.0000]  
 Remarks:

LED Avg.L Report

|  |             |                  |
|--|-------------|------------------|
| Test:U:220.45V I:0.1428A P:31.081W PF:0.9874 Freq:50.01Hz Lamp Flux:2565.22x1 lm |             |                  |
| NAME: DL3082-WHTC30C01   | TYPE:       | WEIGHT:          |
| SPEC.: white RA90 3000K+5700K  | DIM.:       | SERIAL No.:      |
| MFR.:  | SUR.: 100mm | Shielding Angle: |

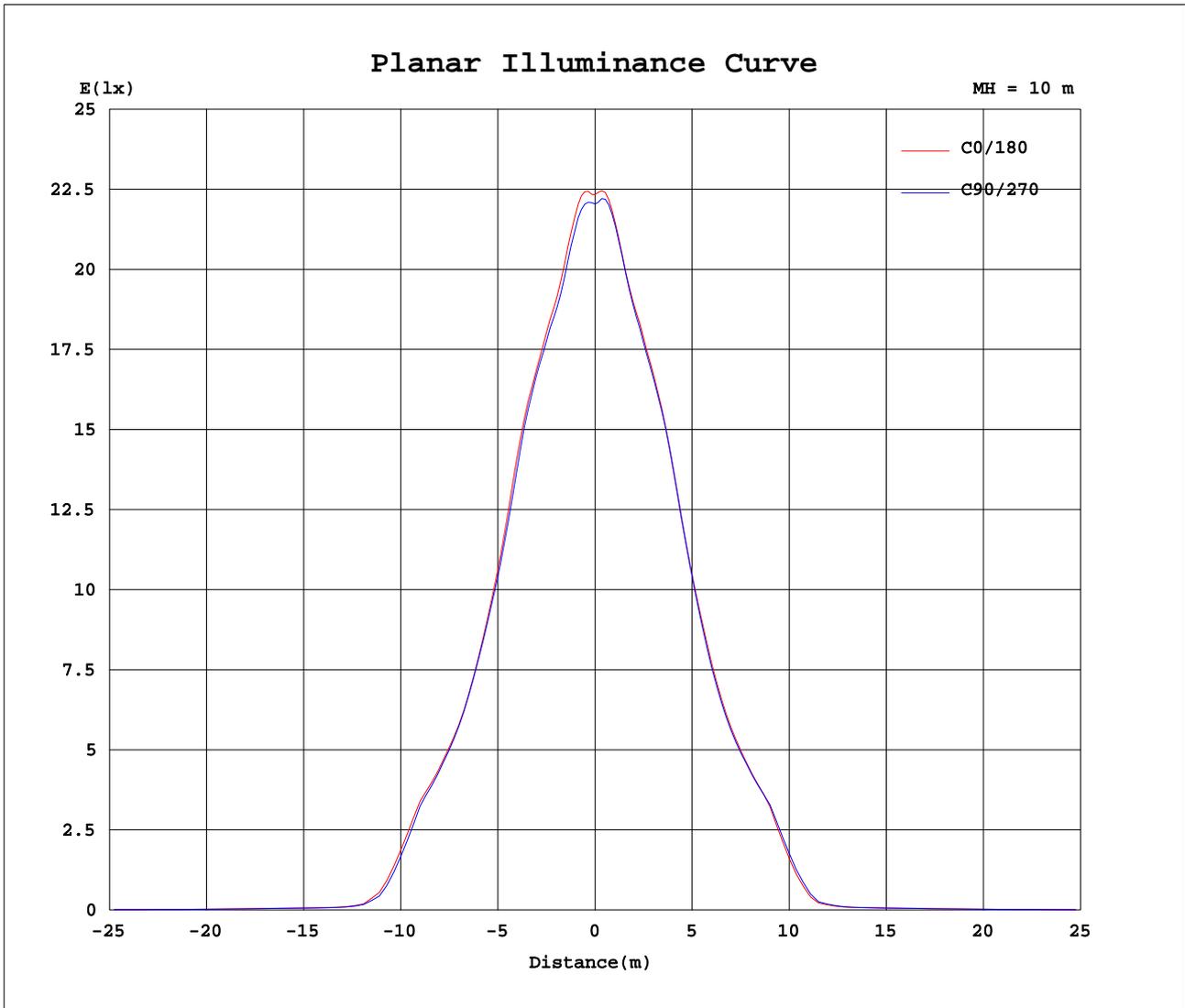
| AvgL           | cd/m2 |
|----------------|-------|
| L_0~180(65)av  | 8912  |
| L_0~180(75)av  | 8805  |
| L_0~180(85)av  | 13790 |
| L_90~270(65)av | 8792  |
| L_90~270(75)av | 8719  |
| L_90~270(85)av | 13617 |
| L_45(65)av     | 8785  |
| L_45(75)av     | 8643  |
| L_45(85)av     | 13659 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:  
 Test Date:2023-12-07

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.428  
 Humidity:65.0%  
 Test Distance:7.450m [K=1.0000]  
 Remarks:

**Planar Illuminance Curve**



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25DEG  
 Operators:  
 Test Date: 2023-12-07

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.428  
 Humidity: 65.0%  
 Test Distance: 7.450m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

|  |             |                  |
|--|-------------|------------------|
| Test:U:220.45V I:0.1428A P:31.081W PF:0.9874 Freq:50.01Hz Lamp Flux:2565.22x1 lm |             |                  |
| NAME: DL3082-WHTC30C01   | TYPE:       | WEIGHT:          |
| SPEC.: white RA90 3000K+5700K  | DIM.:       | SERIAL No.:      |
| MFR.:  | SUR.: 100mm | Shielding Angle: |

Table--1

UNIT: cd

| C( DEG)<br>γ (DEG) | 0    | 22.5 | 45   | 67.5 | 90   | 112.5 | 135  | 157.5 | 180  | 202.5 | 225  | 247.5 | 270  | 292.5 | 315  | 337.5 |  |  |  |
|--------------------|------|------|------|------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|--|--|--|
| 0                  | 2233 | 2226 | 2217 | 2212 | 2204 | 2201  | 2194 | 2189  | 2233 | 2226  | 2217 | 2212  | 2204 | 2201  | 2194 | 2189  |  |  |  |
| 5                  | 2227 | 2219 | 2208 | 2199 | 2184 | 2178  | 2173 | 2175  | 2210 | 2203  | 2198 | 2194  | 2198 | 2191  | 2186 | 2178  |  |  |  |
| 10                 | 2056 | 2053 | 2041 | 2028 | 2014 | 2013  | 2000 | 2004  | 2036 | 2028  | 2029 | 2028  | 2029 | 2018  | 2014 | 2008  |  |  |  |
| 15                 | 1956 | 1955 | 1951 | 1942 | 1930 | 1926  | 1913 | 1904  | 1936 | 1926  | 1925 | 1921  | 1922 | 1915  | 1909 | 1908  |  |  |  |
| 20                 | 1847 | 1851 | 1843 | 1836 | 1819 | 1810  | 1792 | 1788  | 1816 | 1805  | 1803 | 1804  | 1813 | 1802  | 1805 | 1799  |  |  |  |
| 25                 | 1577 | 1576 | 1567 | 1562 | 1542 | 1540  | 1531 | 1535  | 1549 | 1531  | 1530 | 1534  | 1546 | 1537  | 1539 | 1534  |  |  |  |
| 30                 | 1302 | 1310 | 1310 | 1305 | 1290 | 1289  | 1279 | 1278  | 1277 | 1253  | 1251 | 1247  | 1259 | 1249  | 1262 | 1262  |  |  |  |
| 35                 | 1054 | 1067 | 1062 | 1062 | 1046 | 1049  | 1031 | 1029  | 1036 | 1025  | 1023 | 1013  | 1020 | 1016  | 1019 | 1025  |  |  |  |
| 40                 | 890  | 899  | 892  | 890  | 868  | 874   | 860  | 862   | 872  | 861   | 856  | 857   | 866  | 861   | 849  | 856   |  |  |  |
| 45                 | 530  | 543  | 522  | 516  | 473  | 479   | 471  | 479   | 456  | 442   | 449  | 463   | 500  | 487   | 490  | 480   |  |  |  |
| 50                 | 73.9 | 73.5 | 71.6 | 70.0 | 66.2 | 65.9  | 66.1 | 67.2  | 65.2 | 64.5  | 68.3 | 68.7  | 72.7 | 72.5  | 74.6 | 72.0  |  |  |  |
| 55                 | 38.7 | 37.8 | 38.4 | 38.7 | 37.9 | 37.3  | 38.4 | 38.9  | 38.6 | 38.5  | 40.2 | 39.9  | 38.9 | 38.8  | 40.7 | 40.3  |  |  |  |
| 60                 | 36.7 | 36.5 | 36.1 | 36.0 | 36.1 | 36.1  | 35.6 | 35.3  | 35.8 | 35.5  | 35.5 | 35.1  | 35.8 | 35.8  | 36.0 | 35.4  |  |  |  |
| 65                 | 30.0 | 30.0 | 30.0 | 29.8 | 30.2 | 29.8  | 29.6 | 29.1  | 29.2 | 28.6  | 28.1 | 27.4  | 28.1 | 28.6  | 29.0 | 29.0  |  |  |  |
| 70                 | 24.8 | 24.3 | 24.4 | 24.6 | 23.7 | 23.8  | 24.0 | 24.2  | 24.0 | 23.9  | 24.0 | 24.0  | 23.6 | 23.5  | 24.0 | 24.0  |  |  |  |
| 75                 | 18.2 | 17.7 | 17.5 | 17.4 | 17.0 | 17.4  | 17.1 | 17.2  | 17.6 | 17.6  | 17.8 | 18.1  | 18.4 | 18.2  | 17.8 | 17.4  |  |  |  |
| 80                 | 12.7 | 12.6 | 12.5 | 12.3 | 12.0 | 12.1  | 11.9 | 11.9  | 12.0 | 12.0  | 12.1 | 12.3  | 12.5 | 12.4  | 12.4 | 12.2  |  |  |  |
| 85                 | 9.83 | 9.81 | 9.69 | 9.51 | 9.30 | 9.22  | 9.20 | 9.08  | 9.04 | 9.03  | 9.07 | 9.19  | 9.33 | 9.37  | 9.43 | 9.42  |  |  |  |
| 90                 | 0.42 | 0.43 | 0.43 | 0.43 | 0.45 | 0.45  | 0.45 | 0.45  | 0.10 | 0.10  | 0.10 | 0.09  | 0.09 | 0.09  | 0.09 | 0.09  |  |  |  |

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25DEG  
 Operators:  
 Test Date: 2023-12-07

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.428  
 Humidity: 65.0%  
 Test Distance: 7.450m [K=1.0000]  
 Remarks: