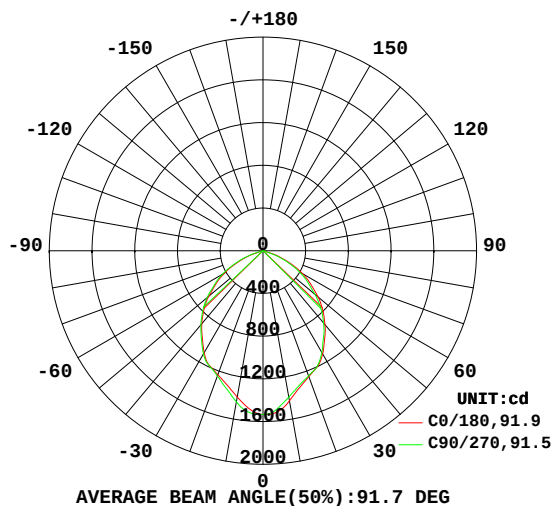


## LUMINAIRE PHOTOMETRIC TEST REPORT

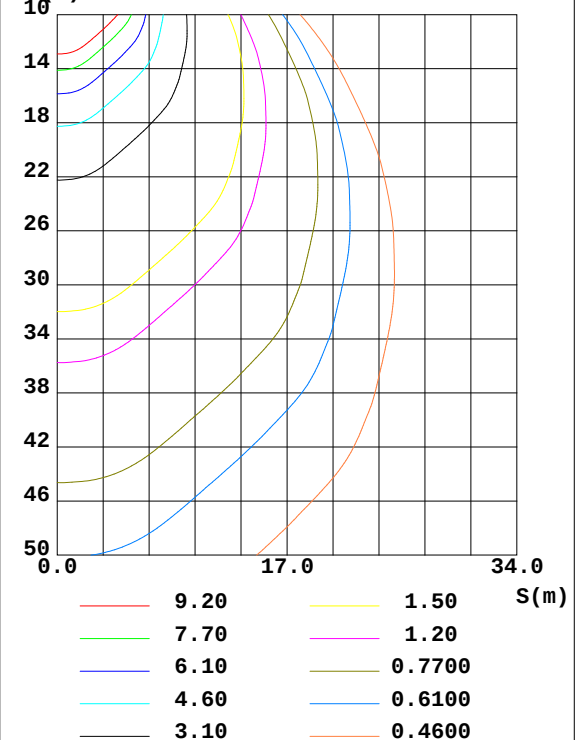
|                                                                                  |             |                  |
|----------------------------------------------------------------------------------|-------------|------------------|
| Test:U:230.86V I:0.1238A P:28.101W PF:0.9829 Freq:49.99Hz Lamp Flux:3093.65x1 lm |             |                  |
| NAME: DL3005-BKTC30C02                                                           | TYPE:       | WEIGHT:          |
| SPEC.: black RA90 3000K+5700K                                                    | DIM.:       | SERIAL No.:      |
| MFR.:                                                                            | SUR.: 185mm | Shielding Angle: |

| DATA OF LAMP     |                   | PHOTOMETRIC DATA Eff: 110.09 lm/W |        |                    |           |
|------------------|-------------------|-----------------------------------|--------|--------------------|-----------|
| MODEL            | TB251412109 4000K | I <sub>max</sub> (cd)             | 1536   | S/MH(C0/180)       | 1.09      |
| NOMINAL POWER(W) | 30                | LOR(%)                            | 100.0  | S/MH(C90/270)      | 1.10      |
| RATED VOLTAGE(V) | 220-240           | TOTAL FLUX(lm)                    | 3093.7 | η UP, DN(C0-180)   | 0.0, 49.3 |
| NOMINAL FLUX(lm) | 3093.65           | CIE CLASS                         | DIRECT | η UP, DN(C180-360) | 0.0, 50.7 |
| LAMPS INSIDE     | 1                 | η up(%)                           | 0.0    | CIBSE SHR NOM      | 1.25      |
| TEST VOLTAGE(V)  | 220               | η down(%)                         | 100.0  | CIBSE SHR MAX      | 1.25      |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT: lx)



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25DEG  
Operators:  
Test Date: 2024-05-22

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE G0-2000B\_V1 SYSTEM V2.00.428  
Humidity: 65.0%  
Test Distance: 7.450m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

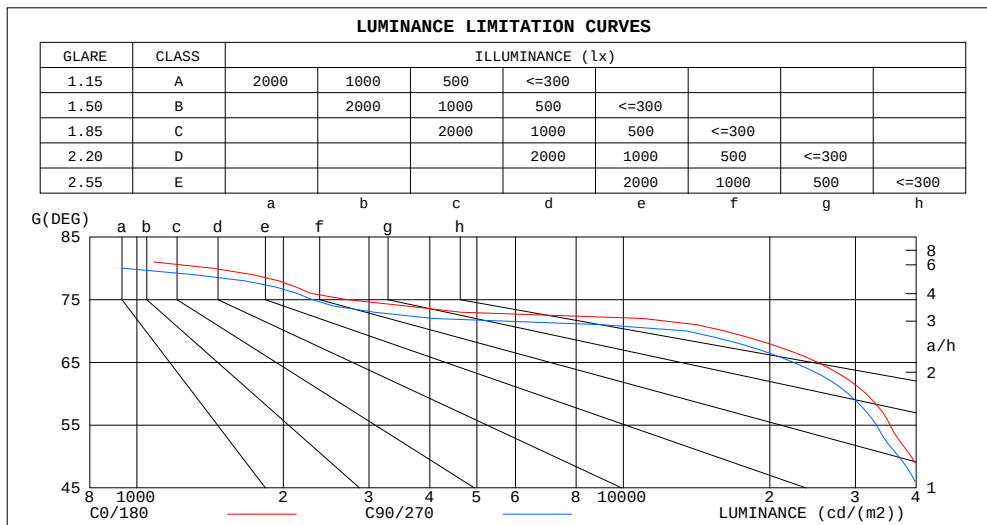
| $\gamma$ | C0                    | C45   | C90   | C135  | C180   | C225   | C270   | C315   | $\gamma$ | $\Phi$ zone | $\Phi$ total | %lum, lamp |
|----------|-----------------------|-------|-------|-------|--------|--------|--------|--------|----------|-------------|--------------|------------|
| 10       | 1428                  | 1412  | 1392  | 1379  | 1391   | 1417   | 1437   | 1447   | 0- 10    | 140.4       | 140.4        | 4.54, 4.54 |
| 20       | 1256                  | 1249  | 1248  | 1233  | 1236   | 1249   | 1248   | 1255   | 10- 20   | 372.2       | 512.7        | 16.6, 16.6 |
| 30       | 1116                  | 1096  | 1102  | 1080  | 1103   | 1110   | 1115   | 1108   | 20- 30   | 546.2       | 1059         | 34.2, 34.2 |
| 40       | 904.0                 | 884.1 | 882.2 | 873.6 | 892.2  | 896.3  | 905.7  | 901.4  | 30- 40   | 622.9       | 1682         | 54.4, 54.4 |
| 50       | 674.6                 | 664.6 | 635.8 | 649.1 | 663.2  | 673.6  | 683.6  | 689.3  | 40- 50   | 604.4       | 2286         | 73.9, 73.9 |
| 60       | 424.3                 | 405.0 | 389.6 | 405.8 | 413.2  | 435.5  | 437.2  | 449.2  | 50- 60   | 485.4       | 2772         | 89.6, 89.6 |
| 70       | 148.4                 | 138.2 | 123.9 | 126.6 | 139.8  | 159.6  | 163.4  | 171.7  | 60- 70   | 278.6       | 3050         | 98.6, 98.6 |
| 80       | 6.675                 | 4.868 | 4.356 | 4.475 | 5.385  | 6.535  | 7.511  | 7.908  | 70- 80   | 41.55       | 3092         | 99.9, 99.9 |
| 90       | 1.401                 | 1.409 | 1.455 | 1.463 | 0.7142 | 0.6871 | 0.6756 | 0.6678 | 80- 90   | 1.954       | 3094         | 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: 2024-05-22

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE G0-2000B\_V1 SYSTEM V2.00.428  
 Humidity: 65.0%  
 Test Distance: 7.450m [K=1.0000]  
 Remarks:

## LUMINANCE LIMITATION CURVES

|                                                                                  |             |                  |
|----------------------------------------------------------------------------------|-------------|------------------|
| Test:U:230.86V I:0.1238A P:28.101W PF:0.9829 Freq:49.99Hz Lamp Flux:3093.65x1 lm |             |                  |
| NAME: DL3005-BKTC30C02                                                           | TYPE:       | WEIGHT:          |
| SPEC.: black RA90 3000K+5700K                                                    | DIM.:       | SERIAL No.:      |
| MFR.:                                                                            | SUR.: 185mm | Shielding Angle: |



| LUMINANCE cd/(m2) |        |         |
|-------------------|--------|---------|
| G(DEG)            | C0/180 | C90/270 |
| 85                | 588    | 536     |
| 80                | 1430   | 933     |
| 75                | 2699   | 2294    |
| 70                | 16138  | 13476   |
| 65                | 25066  | 22365   |
| 60                | 31567  | 28991   |
| 55                | 35351  | 33146   |
| 50                | 39043  | 36798   |
| 45                | 41811  | 40397   |

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25DEG  
Operators:  
Test Date: 2024-05-22

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE G0-2000B\_V1 SYSTEM V2.00.428  
Humidity: 65.0%  
Test Distance: 7.450m [K=1.0000]  
Remarks:

```

Range: 0 - 90DEG
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:230.86V I:0.1238A P:28.101W PF:0.9829 Freq:49.99Hz Lamp Flux:3093.65x1 lm |  |  |             |  |                  |
| NAME: DL3005-BKTC30C02                                                           |  |  | TYPE:       |  | WEIGHT:          |
| SPEC.: black RA90 3000K+5700K                                                    |  |  | DIM.:       |  | SERIAL No.:      |
| MFR.:                                                                            |  |  | SUR.: 185mm |  | Shielding Angle: |

| $\rho_{cc}$ | 80%                   |      |      | 70%  |      |      | 50%                             |      |      | 30%  |      |      | 10%  |      |      | 0 |  |
|-------------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|------|------|------|---|--|
| $\rho_w$    | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%                             | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |  |
| $\rho_{fc}$ | 20%                   |      |      | 20%  |      |      | 20%                             |      |      | 20%  |      |      | 20%  |      |      | 0 |  |
| RCR         | RCR:Room Cavity Ratio |      |      |      |      |      | Wall Exitance Coefficients(WEC) |      |      |      |      |      |      |      |      |   |  |
| 0.0         |                       |      |      |      |      |      |                                 |      |      |      |      |      |      |      |      |   |  |
| 1.0         | .250                  | .142 | .045 | .243 | .139 | .044 | .230                            | .132 | .042 | .218 | .126 | .040 | .207 | .120 | .039 |   |  |
| 2.0         | .246                  | .135 | .041 | .240 | .132 | .041 | .229                            | .127 | .040 | .219 | .123 | .038 | .209 | .118 | .037 |   |  |
| 3.0         | .235                  | .125 | .037 | .230 | .123 | .037 | .220                            | .119 | .036 | .211 | .115 | .035 | .202 | .112 | .035 |   |  |
| 4.0         | .222                  | .115 | .034 | .217 | .114 | .034 | .208                            | .111 | .033 | .200 | .108 | .032 | .193 | .105 | .032 |   |  |
| 5.0         | .209                  | .106 | .031 | .205 | .105 | .031 | .197                            | .102 | .030 | .189 | .100 | .030 | .183 | .098 | .029 |   |  |
| 6.0         | .196                  | .098 | .028 | .192 | .097 | .028 | .185                            | .095 | .028 | .179 | .093 | .027 | .173 | .091 | .027 |   |  |
| 7.0         | .184                  | .091 | .026 | .181 | .090 | .026 | .175                            | .088 | .025 | .169 | .087 | .025 | .164 | .085 | .025 |   |  |
| 8.0         | .174                  | .085 | .024 | .171 | .084 | .024 | .165                            | .082 | .024 | .160 | .081 | .023 | .155 | .080 | .023 |   |  |
| 9.0         | .164                  | .079 | .022 | .161 | .079 | .022 | .156                            | .077 | .022 | .151 | .076 | .022 | .147 | .075 | .022 |   |  |
| 10.0        | .155                  | .074 | .021 | .152 | .074 | .021 | .148                            | .072 | .020 | .144 | .071 | .020 | .140 | .070 | .020 |   |  |

| $\rho_{cc}$ | 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         | .176                  | .157 | .139 | .151 | .134 | .120 | .103                                       | .093 | .083 | .059 | .054 | .048 | .019 | .017 | .016 |   |
| 2.0         | .166                  | .132 | .104 | .142 | .114 | .089 | .098                                       | .079 | .062 | .056 | .046 | .037 | .018 | .015 | .012 |   |
| 3.0         | .158                  | .114 | .079 | .135 | .098 | .069 | .093                                       | .068 | .048 | .054 | .040 | .028 | .017 | .013 | .009 |   |
| 4.0         | .150                  | .100 | .062 | .129 | .087 | .054 | .089                                       | .060 | .038 | .051 | .035 | .023 | .016 | .012 | .007 |   |
| 5.0         | .143                  | .090 | .050 | .123 | .078 | .044 | .085                                       | .054 | .031 | .049 | .032 | .018 | .016 | .010 | .006 |   |
| 6.0         | .136                  | .081 | .042 | .117 | .070 | .036 | .081                                       | .049 | .026 | .047 | .029 | .015 | .015 | .009 | .005 |   |
| 7.0         | .130                  | .074 | .035 | .112 | .064 | .031 | .077                                       | .045 | .022 | .045 | .027 | .013 | .014 | .009 | .004 |   |
| 8.0         | .124                  | .068 | .030 | .107 | .059 | .026 | .074                                       | .042 | .019 | .043 | .025 | .011 | .014 | .008 | .004 |   |
| 9.0         | .118                  | .063 | .026 | .102 | .055 | .023 | .071                                       | .039 | .016 | .041 | .023 | .010 | .013 | .008 | .003 |   |
| 10.0        | .113                  | .059 | .023 | .097 | .051 | .020 | .068                                       | .036 | .014 | .039 | .021 | .009 | .013 | .007 | .003 |   |

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:  
Test Date:2024-05-22

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.00.428  
Humidity:65.0%  
Test Distance:7.450m [K=1.0000]  
Remarks:

### UGR(Unified Glare Rating) Table

|                                                                                  |               |                  |      |      |             |               |                |                  |      |      |      |
|----------------------------------------------------------------------------------|---------------|------------------|------|------|-------------|---------------|----------------|------------------|------|------|------|
| Test:U:230.86V I:0.1238A P:28.101W PF:0.9829 Freq:49.99Hz Lamp Flux:3093.65x1 lm |               |                  |      |      |             |               |                |                  |      |      |      |
| NAME: DL3005-BKTC30C02                                                           |               |                  |      |      | TYPE:       |               |                | WEIGHT:          |      |      |      |
| SPEC.: black RA90 3000K+5700K                                                    |               |                  |      |      | DIM.:       |               |                | SERIAL No.:      |      |      |      |
| MFR.:                                                                            |               |                  |      |      | SUR.: 185mm |               |                | 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                                                                    | 21.2          | 22.6             | 21.4 | 22.8 | 22.9        | 20.9          | 22.3           | 21.2             | 22.5 | 22.7 |      |
|                                                                                  | 3H            | 21.8             | 23.0 | 22.0 | 23.2        | 23.5          | 21.4           | 22.6             | 21.7 | 22.9 | 23.1 |
|                                                                                  | 4H            | 21.7             | 22.9 | 22.0 | 23.1        | 23.4          | 21.3           | 22.5             | 21.6 | 22.7 | 23.0 |
|                                                                                  | 6H            | 21.6             | 22.7 | 21.9 | 23.0        | 23.2          | 21.2           | 22.3             | 21.5 | 22.6 | 22.8 |
|                                                                                  | 8H            | 21.5             | 22.6 | 21.9 | 22.9        | 23.2          | 21.1           | 22.2             | 21.5 | 22.5 | 22.8 |
|                                                                                  | 12H           | 21.5             | 22.5 | 21.8 | 22.8        | 23.1          | 21.1           | 22.1             | 21.4 | 22.4 | 22.7 |
| 4H                                                                               | 2H            | 21.5             | 22.7 | 21.8 | 22.9        | 23.2          | 21.3           | 22.5             | 21.6 | 22.7 | 23.0 |
|                                                                                  | 3H            | 22.1             | 23.1 | 22.4 | 23.4        | 23.7          | 21.8           | 22.8             | 22.1 | 23.1 | 23.4 |
|                                                                                  | 4H            | 22.0             | 23.0 | 22.4 | 23.3        | 23.6          | 21.7           | 22.6             | 22.0 | 22.9 | 23.2 |
|                                                                                  | 6H            | 21.9             | 22.8 | 22.3 | 23.1        | 23.5          | 21.6           | 22.4             | 22.0 | 22.7 | 23.1 |
|                                                                                  | 8H            | 21.9             | 22.6 | 22.3 | 23.0        | 23.4          | 21.5           | 22.3             | 21.9 | 22.7 | 23.0 |
|                                                                                  | 12H           | 21.8             | 22.5 | 22.3 | 22.9        | 23.3          | 21.5           | 22.2             | 21.9 | 22.6 | 23.0 |
| 8H                                                                               | 4H            | 21.9             | 22.7 | 22.3 | 23.0        | 23.4          | 21.6           | 22.3             | 22.0 | 22.7 | 23.1 |
|                                                                                  | 6H            | 21.8             | 22.5 | 22.3 | 22.9        | 23.3          | 21.5           | 22.1             | 21.9 | 22.5 | 22.9 |
|                                                                                  | 8H            | 21.8             | 22.3 | 22.3 | 22.8        | 23.2          | 21.4           | 22.0             | 21.9 | 22.4 | 22.9 |
|                                                                                  | 12H           | 21.8             | 22.2 | 22.2 | 22.7        | 23.1          | 21.4           | 21.9             | 21.9 | 22.3 | 22.8 |
| 12H                                                                              | 4H            | 21.9             | 22.6 | 22.3 | 22.9        | 23.3          | 21.5           | 22.2             | 21.9 | 22.6 | 23.0 |
|                                                                                  | 6H            | 21.8             | 22.3 | 22.3 | 22.8        | 23.2          | 21.4           | 22.0             | 21.9 | 22.4 | 22.9 |
|                                                                                  | 8H            | 21.8             | 22.2 | 22.2 | 22.7        | 23.1          | 21.4           | 21.9             | 21.9 | 22.3 | 22.8 |
| Variations with the observer position at spacings(CIE Pub.117):                  |               |                  |      |      |             |               |                |                  |      |      |      |
| S = 1.0H                                                                         | + 0.5 / - 0.7 |                  |      |      |             | + 0.6 / - 0.7 |                |                  |      |      |      |
| 1.5H                                                                             | + 0.3 / - 0.5 |                  |      |      |             | + 0.3 / - 0.5 |                |                  |      |      |      |
| 2.0H                                                                             | + 0.8 / - 1.1 |                  |      |      |             | + 0.8 / - 0.9 |                |                  |      |      |      |

CIE Pub.117, 3094 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 3.9)  
Area: 0.02688 m2

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:  
Test Date:2024-05-22

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.00.428  
Humidity:65.0%  
Test Distance:7.450m [K=1.0000]  
Remarks:

### UTILIZATION FACTORS TABLE

|                                                                                  |             |                  |
|----------------------------------------------------------------------------------|-------------|------------------|
| Test:U:230.86V I:0.1238A P:28.101W PF:0.9829 Freq:49.99Hz Lamp Flux:3093.65x1 lm |             |                  |
| NAME: DL3005-BKTC30C02                                                           | TYPE:       | WEIGHT:          |
| SPEC.: black RA90 3000K+5700K                                                    | DIM.:       | SERIAL No.:      |
| MFR.:                                                                            | SUR.: 185mm | Shielding Angle: |

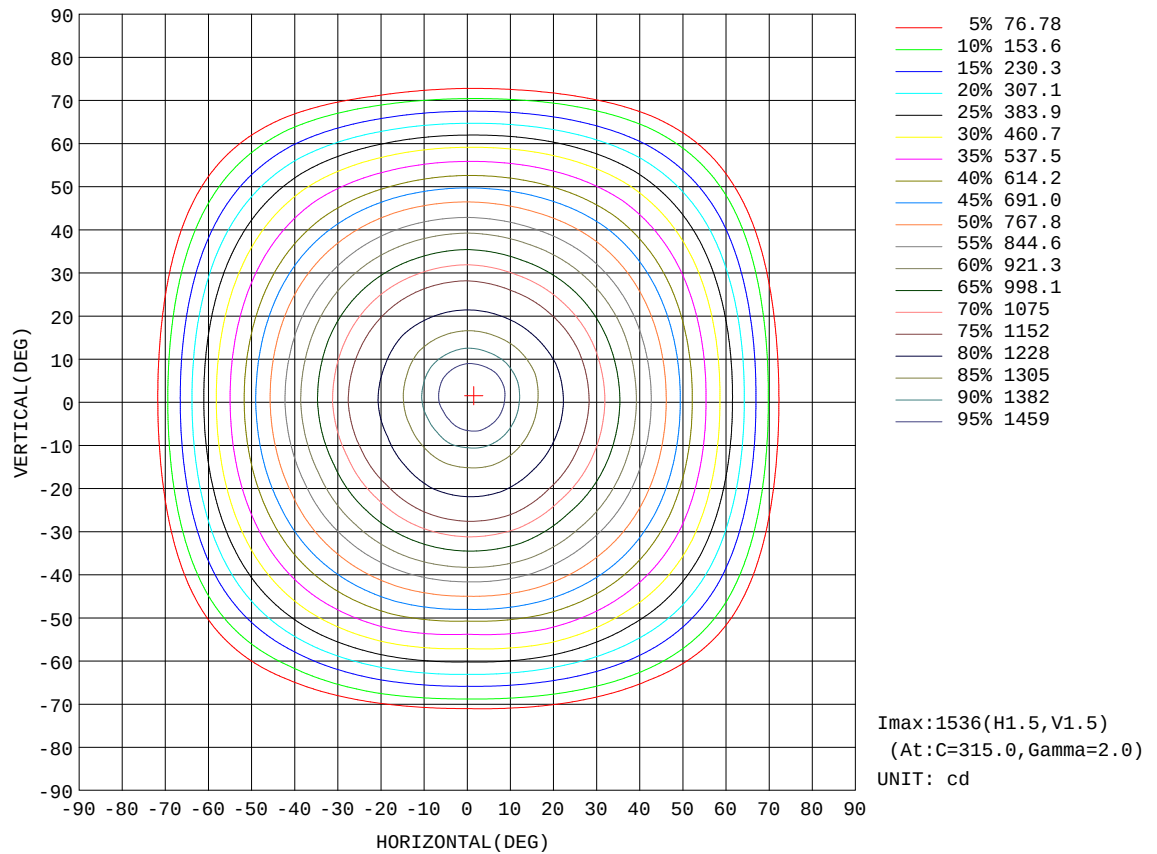
| REFLECTANCE                      |                                                     |     |           |     |     |     |     |               |     |        |
|----------------------------------|-----------------------------------------------------|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| 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) $k(RI) \times RCR = 5$ |     |           |     |     |     |     |               |     |        |
| $k = 0.60$                       | 63                                                  | 52  | 45        | 62  | 52  | 45  | 61  | 51            | 45  | 39     |
| 0.80                             | 73                                                  | 63  | 56        | 72  | 62  | 56  | 70  | 61            | 55  | 49     |
| 1.00                             | 82                                                  | 72  | 66        | 81  | 71  | 65  | 79  | 72            | 65  | 58     |
| 1.25                             | 89                                                  | 80  | 73        | 87  | 79  | 73  | 85  | 78            | 72  | 66     |
| 1.50                             | 93                                                  | 85  | 79        | 92  | 84  | 79  | 89  | 82            | 77  | 71     |
| 2.00                             | 100                                                 | 92  | 87        | 98  | 91  | 86  | 95  | 89            | 85  | 78     |
| 2.50                             | 103                                                 | 96  | 91        | 101 | 95  | 91  | 97  | 93            | 89  | 81     |
| 3.00                             | 106                                                 | 100 | 96        | 104 | 99  | 95  | 100 | 96            | 92  | 85     |
| 4.00                             | 109                                                 | 104 | 101       | 107 | 103 | 99  | 103 | 99            | 97  | 88     |
| 5.00                             | 111                                                 | 107 | 104       | 109 | 105 | 102 | 104 | 102           | 99  | 91     |
| 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:2024-05-22

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.00.428  
Humidity:65.0%  
Test Distance:7.450m [K=1.0000]  
Remarks:

## ISOCANDELA DIAGRAM

|                                                                                  |             |                  |
|----------------------------------------------------------------------------------|-------------|------------------|
| Test:U:230.86V I:0.1238A P:28.101W PF:0.9829 Freq:49.99Hz Lamp Flux:3093.65x1 lm |             |                  |
| NAME: DL3005-BKTC30C02                                                           | TYPE:       | WEIGHT:          |
| SPEC.: black RA90 3000K+5700K                                                    | DIM.:       | SERIAL No.:      |
| MFR.:                                                                            | SUR.: 185mm | Shielding Angle: |



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:  
Test Date:2024-05-22

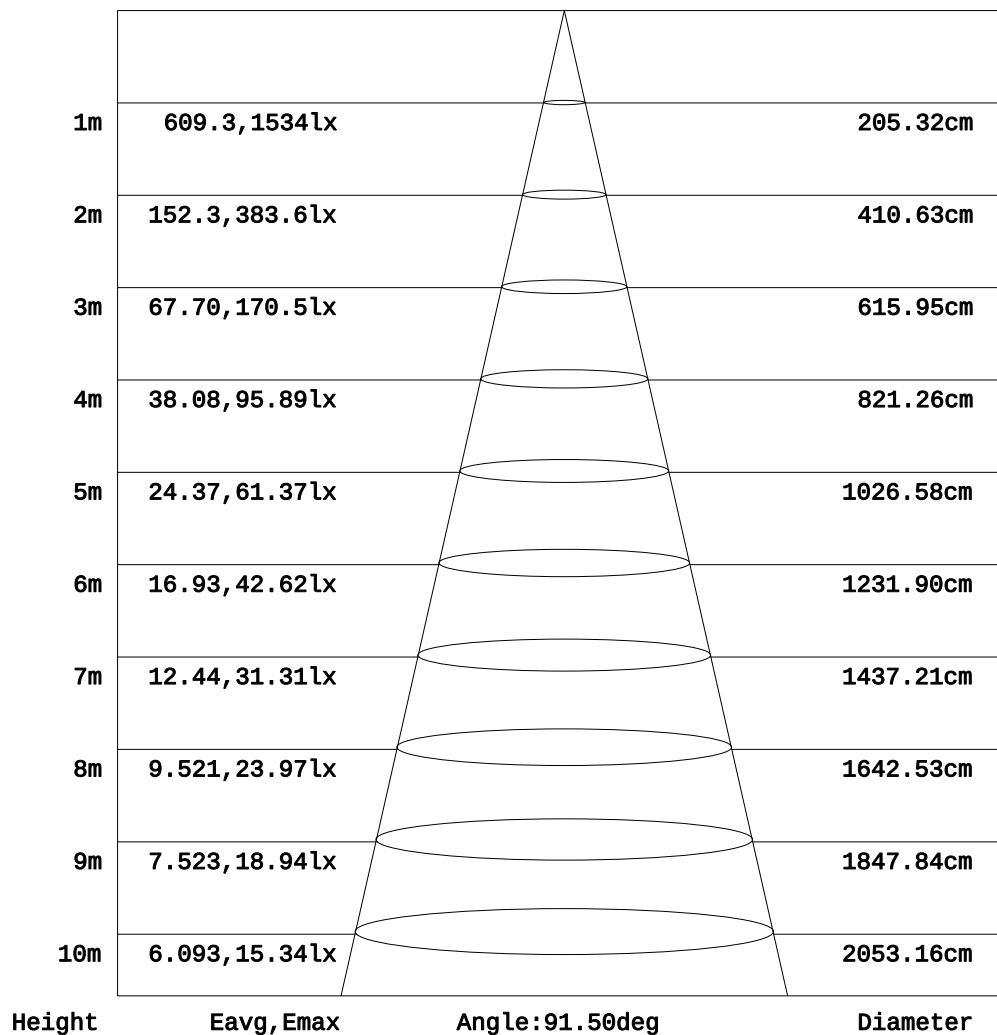
$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.00.428  
Humidity:65.0%  
Test Distance:7.450m [K=1.0000]  
Remarks:



### AAI Figure

|                                                                                  |             |                  |
|----------------------------------------------------------------------------------|-------------|------------------|
| Test:U:230.86V I:0.1238A P:28.101W PF:0.9829 Freq:49.99Hz Lamp Flux:3093.65x1 lm |             |                  |
| NAME: DL3005-BKTC30C02                                                           | TYPE:       | WEIGHT:          |
| SPEC.: black RA90 3000K+5700K                                                    | DIM.:       | SERIAL No.:      |
| MFR.:                                                                            | SUR.: 185mm | Shielding Angle: |

Flux out:2053 lm



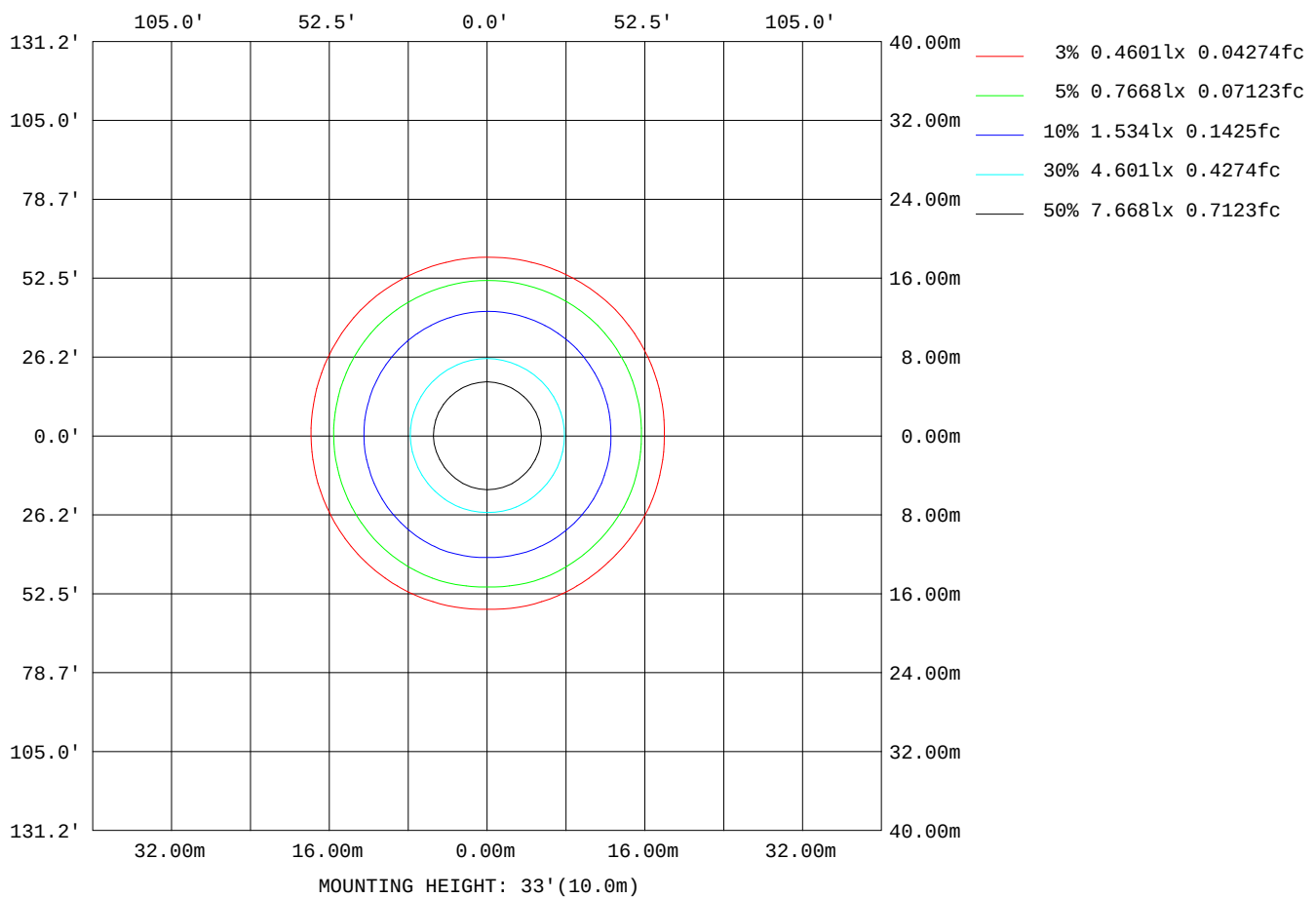
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25DEG  
 Operators:  
 Test Date: 2024-05-22

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE G0-2000B\_V1 SYSTEM V2.00.428  
 Humidity: 65.0%  
 Test Distance: 7.450m [K=1.0000]  
 Remarks:

## ISOLUX DIAGRAM

|                                                                                  |             |                  |
|----------------------------------------------------------------------------------|-------------|------------------|
| Test:U:230.86V I:0.1238A P:28.101W PF:0.9829 Freq:49.99Hz Lamp Flux:3093.65x1 lm |             |                  |
| NAME: DL3005-BKTC30C02                                                           | TYPE:       | WEIGHT:          |
| SPEC.: black RA90 3000K+5700K                                                    | DIM.:       | SERIAL No.:      |
| MFR.:                                                                            | SUR.: 185mm | Shielding Angle: |



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25DEG  
Operators:  
Test Date: 2024-05-22

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
 $\gamma$  Test System: EVERFINE G0-2000B\_V1 SYSTEM V2.00.428  
Humidity: 65.0%  
Test Distance: 7.450m [K=1.0000]  
Remarks:

## LED Avg.L Report

|                                                                                  |             |                  |
|----------------------------------------------------------------------------------|-------------|------------------|
| Test:U:230.86V I:0.1238A P:28.101W PF:0.9829 Freq:49.99Hz Lamp Flux:3093.65x1 lm |             |                  |
| NAME: DL3005-BKTC30C02                                                           | TYPE:       | WEIGHT:          |
| SPEC.: black RA90 3000K+5700K                                                    | DIM.:       | SERIAL No.:      |
| MFR.:                                                                            | SUR.: 185mm | Shielding Angle: |

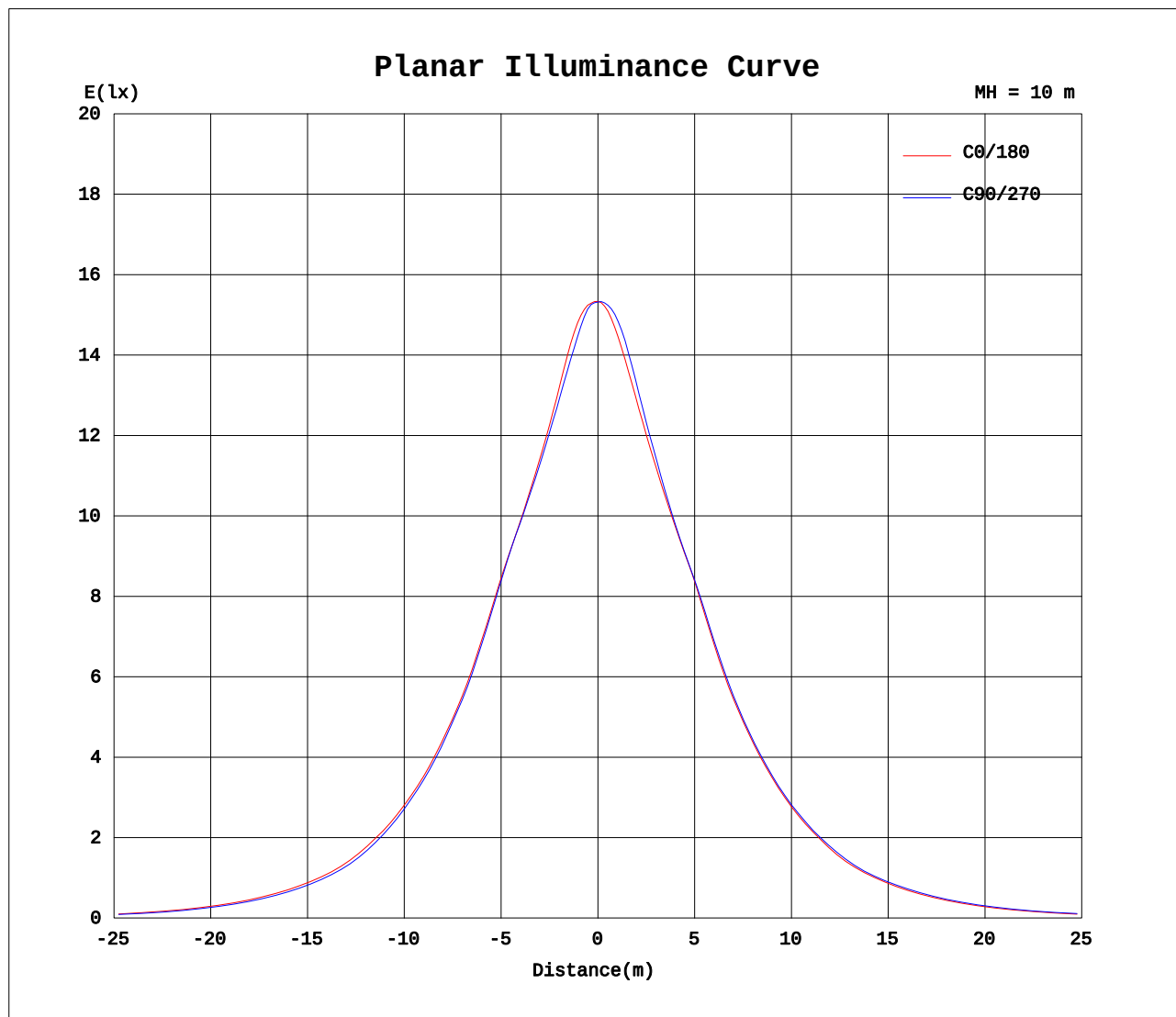
| AvgL           | cd/m2 |
|----------------|-------|
| L_0~180(65)av  | 24584 |
| L_0~180(75)av  | 2519  |
| L_0~180(85)av  | 441   |
| L_90~270(65)av | 24296 |
| L_90~270(75)av | 2746  |
| L_90~270(85)av | 466   |
| L_45(65)av     | 25045 |
| L_45(75)av     | 2758  |
| L_45(85)av     | 456   |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:  
Test Date:2024-05-22

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE G0-2000B\_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: 2024-05-22

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE G0-2000B\_V1 SYSTEM V2.00.428  
 Humidity: 65.0%  
 Test Distance: 7.450m [K=1.0000]  
 Remarks:

```

Range: 0 - 90DEG
Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.428
Humidity:65.0%
Test Distance:7.450m [K=1.0000]
Remarks:

```