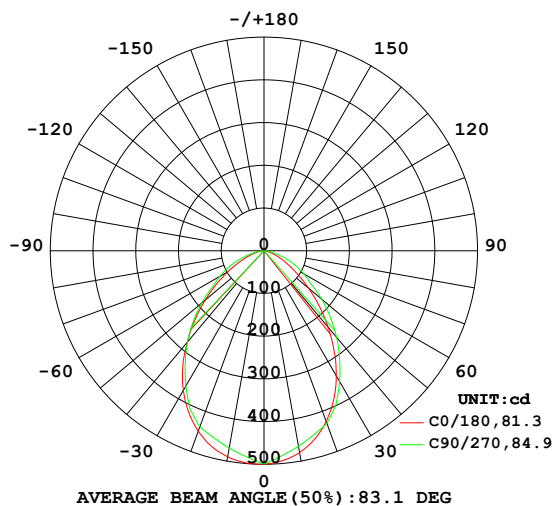


## LUMINAIRE PHOTOMETRIC TEST REPORT

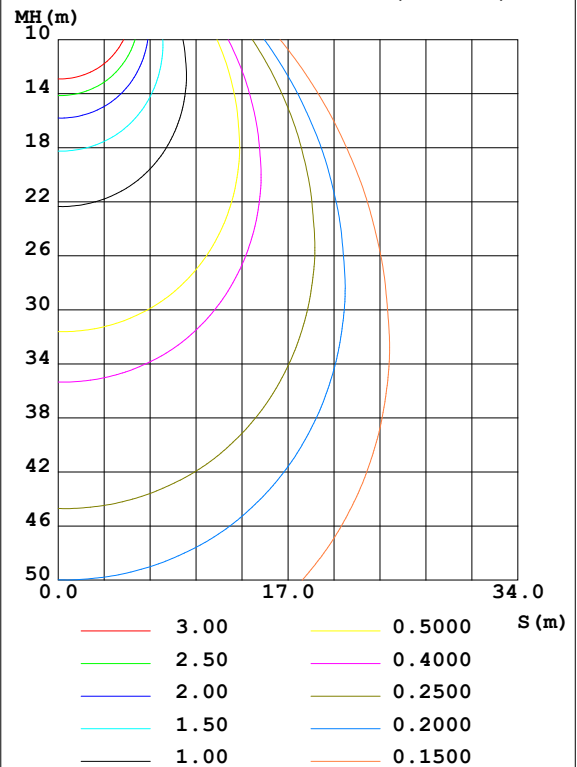
|  |                                 |                       |
|--|---------------------------------|-----------------------|
| Test:U:120.80V I:0.0900A P:10.500W PF:0.9690 Freq:60.00Hz Lamp Flux:934.92lx1 lm |                                 |                       |
| NAME: AVD4-5CCT-WH   | TYPE: Down light                | WEIGHT: 0.3Kg         |
| SPEC.: 10W   | DIM.: $\phi 132 \times 44$ (MM) | SERIAL No.: 01        |
| MFR.: Signcomplex  | SUR.: $\phi 90$ (MM)            | Shielding Angle: 120° |

| DATA OF LAMP      |              | PHOTOMETRIC DATA      |        |                          |           | Eff: 89.04 lm/W |
|-------------------|--------------|-----------------------|--------|--------------------------|-----------|-----------------|
| MODEL             | SMD 2835/LED | I <sub>max</sub> (cd) | 500.0  | S/MH (C0/180)            | 1.05      |                 |
| NOMINAL POWER (W) | 10.5         | LOR (%)               | 100.0  | S/MH (C90/270)           | 1.09      |                 |
| RATED VOLTAGE (V) | 120          | TOTAL FLUX (lm)       | 934.92 | $\eta$ UP, DN (C0-180)   | 0.0, 51.0 |                 |
| NOMINAL FLUX (lm) | 934.921      | CIE CLASS             | DIRECT | $\eta$ UP, DN (C180-360) | 0.0, 49.0 |                 |
| LAMPS INSIDE      | 1            | $\eta$ up (%)         | 0.0    | CIBSE SHR NOM            | 1.00      |                 |
| TEST VOLTAGE (V)  | 120.8        | $\eta$ down (%)       | 100.0  | CIBSE SHR MAX            | 1.15      |                 |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



H( $\beta$ ) Range: -90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: yang  
Test Date: 2024-07-26

V(B) Range: -90 - 90DEG  
V(B) Interval: 5.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.429  
Humidity: 65.0%  
Test Distance: 8.345m [K=1.0330]  
Remarks:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

| $\gamma$ | C0                    | C45   | C90   | C135  | C180   | C225   | C270   | C315   | $\gamma$ | $\Phi$ zone | $\Phi$ total | %lum, lamp |
|----------|-----------------------|-------|-------|-------|--------|--------|--------|--------|----------|-------------|--------------|------------|
| 10       | 489.7                 | 475.1 | 469.2 | 465.7 | 479.6  | 462.4  | 464.7  | 472.0  | 0- 10    | 45.98       | 45.98        | 4.92,4.92  |
| 20       | 449.7                 | 438.8 | 438.9 | 415.2 | 425.3  | 408.7  | 429.9  | 432.3  | 10- 20   | 127.1       | 173.1        | 18.5,18.5  |
| 30       | 377.6                 | 378.8 | 365.9 | 349.2 | 338.2  | 340.8  | 354.0  | 369.4  | 20- 30   | 181.6       | 354.7        | 37.9,37.9  |
| 40       | 279.1                 | 285.4 | 278.6 | 254.4 | 233.9  | 246.0  | 264.4  | 275.4  | 30- 40   | 193.3       | 548.0        | 58.6,58.6  |
| 50       | 179.6                 | 192.5 | 190.5 | 162.2 | 135.8  | 155.1  | 176.1  | 182.9  | 40- 50   | 166.3       | 714.3        | 76.4,76.4  |
| 60       | 96.79                 | 112.3 | 118.7 | 86.34 | 65.56  | 80.69  | 106.8  | 103.9  | 50- 60   | 116.6       | 830.9        | 88.9,88.9  |
| 70       | 41.91                 | 57.05 | 63.67 | 39.40 | 26.19  | 35.96  | 55.31  | 51.88  | 60- 70   | 68.43       | 899.3        | 96.2,96.2  |
| 80       | 11.70                 | 18.04 | 18.22 | 10.28 | 5.231  | 8.698  | 13.38  | 15.42  | 70- 80   | 29.34       | 928.6        | 99.3,99.3  |
| 90       | 0.0423                | 1.095 | 1.391 | 1.414 | 0.1866 | 0.1992 | 0.1867 | 0.2440 | 80- 90   | 6.279       | 934.9        | 100,100    |
| 100      |                       |       |       |       |        |        |        |        | 90-100   |             |              |            |
| 110      |                       |       |       |       |        |        |        |        | 100-110  |             |              |            |
| 120      |                       |       |       |       |        |        |        |        | 110-120  |             |              |            |
| 130      |                       |       |       |       |        |        |        |        | 120-130  |             |              |            |
| 140      |                       |       |       |       |        |        |        |        | 130-140  |             |              |            |
| 150      |                       |       |       |       |        |        |        |        | 140-150  |             |              |            |
| 160      |                       |       |       |       |        |        |        |        | 150-160  |             |              |            |
| 170      |                       |       |       |       |        |        |        |        | 160-170  |             |              |            |
| 180      |                       |       |       |       |        |        |        |        | 170-180  |             |              |            |
| DEG      | LUMINOUS INTENSITY:cd |       |       |       |        |        |        |        |          | UNIT:lm     |              |            |

Conical surface Flux(90deg): 636.39 lm

%lum = 68.1%

%lamp = 68.1%

Conical surface Flux(120deg): 830.87 lm

%lum = 88.9%

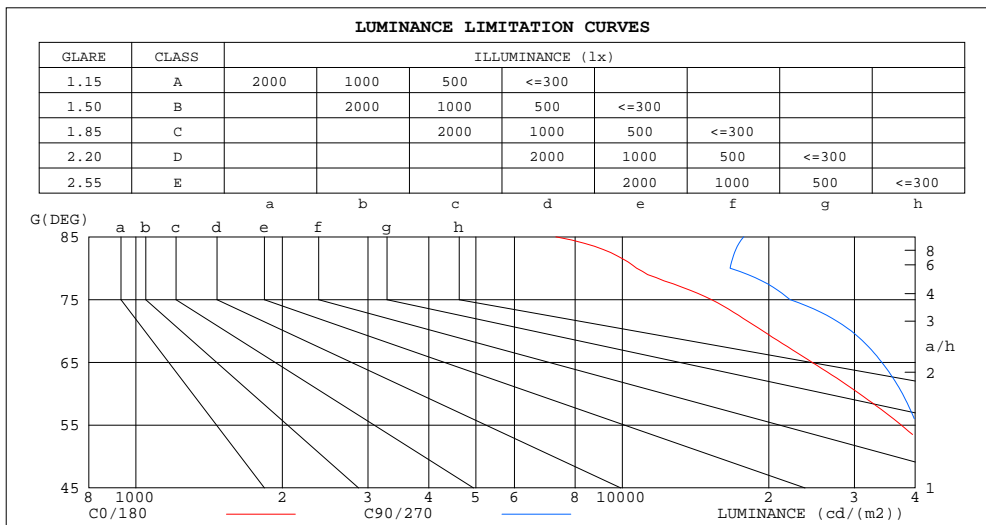
%lamp = 88.9%

H( $\beta$ ) Range:-90 - 90DEG  
 H( $\beta$ ) Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:yang  
 Test Date:2024-07-26

V(B) Range:-90 - 90DEG  
 V(B) Interval: 5.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.429  
 Humidity:65.0%  
 Test Distance:8.345m [K=1.0330]  
 Remarks:

## LUMINANCE LIMITATION CURVES

|  |                                 |                       |
|--|---------------------------------|-----------------------|
| Test:U:120.80V I:0.0900A P:10.500W PF:0.9690 Freq:60.00Hz Lamp Flux:934.92lx1 lm |                                 |                       |
| NAME: AVD4-5CCT-WH   | TYPE: Down light                | WEIGHT: 0.3Kg         |
| SPEC.: 10W   | DIM.: $\phi 132 \times 44$ (MM) | SERIAL No.: 01        |
| MFR.: Signcomplex  | SUR.: $\phi 90$ (MM)            | Shielding Angle: 120° |



| LUMINANCE cd/(m2) |        |         |
|-------------------|--------|---------|
| G( DEG)           | C0/180 | C90/270 |
| 85                | 7303   | 17759   |
| 80                | 10696  | 16655   |
| 75                | 15246  | 22102   |
| 70                | 19448  | 29548   |
| 65                | 24549  | 34146   |
| 60                | 30728  | 37669   |
| 55                | 37443  | 40345   |
| 50                | 44354  | 47052   |
| 45                | 51289  | 52605   |

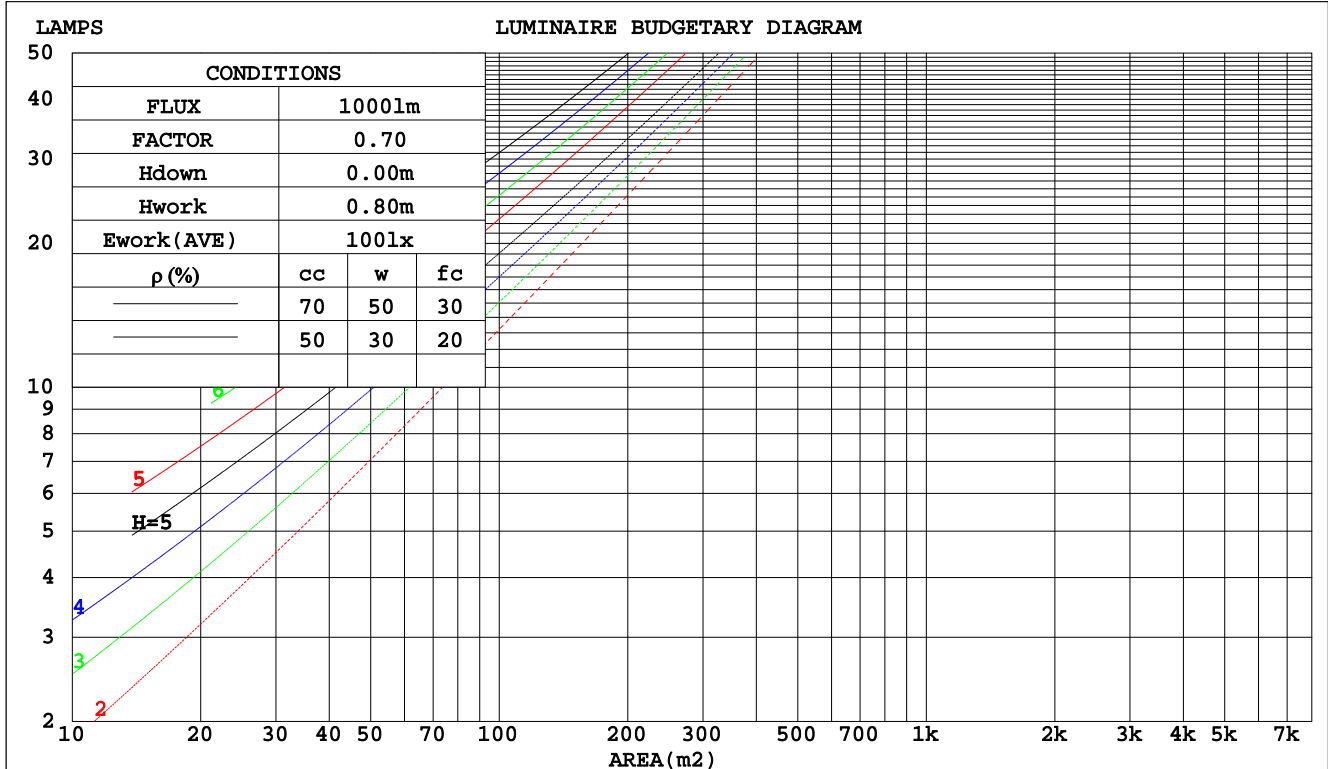
H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yang  
Test Date:2024-07-26

V(B) Range:-90 - 90DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.429  
Humidity:65.0%  
Test Distance:8.345m [K=1.0330]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|  |                                 |                       |
|--|---------------------------------|-----------------------|
| Test:U:120.80V I:0.0900A P:10.500W PF:0.9690 Freq:60.00Hz Lamp Flux:934.921x1 lm |                                 |                       |
| NAME: AVD4-5CCT-WH   | TYPE: Down light                | WEIGHT: 0.3Kg         |
| SPEC.: 10W   | DIM.: $\phi 132 \times 44$ (MM) | SERIAL No.: 01        |
| MFR.: Signcomplex  | SUR.: $\phi 90$ (MM)            | Shielding Angle: 120° |

| $\rho_{cc}$ | 80%                   |      |      | 70%  |      |      | 50%                             |      |      | 30%  |      |      | 10%  |      |      | 0   |
|-------------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|------|------|------|-----|
| $\rho_w$    | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%                             | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0   |
| $\rho_{fc}$ | 20%                   |      |      | 20%  |      |      | 20%                             |      |      | 20%  |      |      | 20%  |      |      | 0   |
| RCR         | RCR:Room Cavity Ratio |      |      |      |      |      | Coefficients of Utilization(CU) |      |      |      |      |      |      |      |      |     |
| 0.0         | 1.19                  | 1.19 | 1.19 | 1.16 | 1.16 | 1.16 | 1.11                            | 1.11 | 1.11 | 1.06 | 1.06 | 1.06 | 1.02 | 1.02 | 1.02 | .00 |
| 1.0         | 1.07                  | 1.03 | .00  | 1.04 | 1.01 | .98  | 1.00                            | .98  | .95  | .96  | .94  | .92  | .93  | .91  | .90  | .88 |
| 2.0         | .95                   | .89  | .85  | .93  | .88  | .84  | .90                             | .85  | .82  | .87  | .83  | .80  | .84  | .81  | .78  | .76 |
| 3.0         | .85                   | .78  | .73  | .84  | .77  | .72  | .81                             | .75  | .71  | .78  | .74  | .70  | .76  | .72  | .68  | .66 |
| 4.0         | .77                   | .69  | .63  | .76  | .68  | .63  | .73                             | .67  | .62  | .71  | .65  | .61  | .69  | .64  | .60  | .58 |
| 5.0         | .70                   | .62  | .56  | .68  | .61  | .55  | .66                             | .60  | .55  | .65  | .59  | .54  | .63  | .58  | .54  | .52 |
| 6.0         | .63                   | .55  | .49  | .62  | .55  | .49  | .61                             | .54  | .49  | .59  | .53  | .48  | .58  | .52  | .48  | .46 |
| 7.0         | .58                   | .50  | .44  | .57  | .50  | .44  | .56                             | .49  | .44  | .54  | .48  | .44  | .53  | .48  | .43  | .42 |
| 8.0         | .53                   | .46  | .40  | .53  | .45  | .40  | .51                             | .45  | .40  | .50  | .44  | .40  | .49  | .44  | .39  | .38 |
| 9.0         | .49                   | .42  | .37  | .49  | .41  | .37  | .48                             | .41  | .36  | .47  | .41  | .36  | .46  | .40  | .36  | .34 |
| 10.0        | .46                   | .38  | .34  | .45  | .38  | .33  | .44                             | .38  | .33  | .43  | .37  | .33  | .43  | .37  | .33  | .31 |



H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yang  
Test Date:2024-07-26

V(B) Range:-90 - 90DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.429  
Humidity:65.0%  
Test Distance:8.345m [K=1.0330]  
Remarks:

### WEC AND CCEC

|  |                         |                       |
|--|-------------------------|-----------------------|
| Test:U:120.80V I:0.0900A P:10.500W PF:0.9690 Freq:60.00Hz Lamp Flux:934.92lx1 lm |                         |                       |
| NAME: AVD4-5CCT-WH   | TYPE: Down light        | WEIGHT: 0.3Kg         |
| SPEC.: 10W   | DIM.: $\phi$ 132*44(MM) | SERIAL No.: 01        |
| MFR.: Signcomplex  | SUR.: $\phi$ 90(MM)     | Shielding Angle: 120° |

| $\rho_{cc}$ | 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         | .255                  | .145 | .046 | .248 | .142 | .045 | .235                            | .135 | .043 | .223 | .129 | .041 | .212 | .123 | .040 |   |  |
| 2.0         | .246                  | .135 | .041 | .240 | .132 | .041 | .229                            | .127 | .039 | .218 | .122 | .038 | .209 | .118 | .037 |   |  |
| 3.0         | .232                  | .124 | .037 | .227 | .121 | .037 | .217                            | .118 | .036 | .208 | .114 | .035 | .199 | .110 | .034 |   |  |
| 4.0         | .218                  | .113 | .033 | .213 | .112 | .033 | .204                            | .108 | .032 | .196 | .105 | .032 | .189 | .103 | .031 |   |  |
| 5.0         | .204                  | .104 | .030 | .200 | .103 | .030 | .192                            | .100 | .029 | .185 | .098 | .029 | .178 | .095 | .029 |   |  |
| 6.0         | .191                  | .096 | .027 | .188 | .095 | .027 | .181                            | .093 | .027 | .175 | .091 | .027 | .169 | .089 | .026 |   |  |
| 7.0         | .180                  | .089 | .025 | .177 | .088 | .025 | .171                            | .086 | .025 | .165 | .085 | .025 | .159 | .083 | .024 |   |  |
| 8.0         | .170                  | .083 | .023 | .167 | .082 | .023 | .161                            | .081 | .023 | .156 | .079 | .023 | .151 | .078 | .023 |   |  |
| 9.0         | .160                  | .077 | .022 | .157 | .077 | .022 | .153                            | .075 | .021 | .148 | .074 | .021 | .143 | .073 | .021 |   |  |
| 10.0        | .151                  | .073 | .020 | .149 | .072 | .020 | .145                            | .071 | .020 | .140 | .070 | .020 | .136 | .069 | .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         | .177                  | .157 | .139 | .151 | .134 | .119 | .103                                       | .092 | .083 | .059 | .054 | .048 | .019 | .017 | .016 |   |
| 2.0         | .166                  | .132 | .104 | .142 | .114 | .090 | .098                                       | .079 | .062 | .056 | .046 | .037 | .018 | .015 | .012 |   |
| 3.0         | .157                  | .114 | .080 | .135 | .098 | .069 | .093                                       | .068 | .048 | .053 | .040 | .029 | .017 | .013 | .009 |   |
| 4.0         | .149                  | .100 | .063 | .128 | .087 | .055 | .088                                       | .060 | .039 | .051 | .035 | .023 | .016 | .012 | .007 |   |
| 5.0         | .142                  | .090 | .051 | .122 | .077 | .044 | .084                                       | .054 | .031 | .049 | .032 | .019 | .016 | .010 | .006 |   |
| 6.0         | .135                  | .081 | .042 | .116 | .070 | .037 | .080                                       | .049 | .026 | .046 | .029 | .016 | .015 | .009 | .005 |   |
| 7.0         | .128                  | .074 | .036 | .110 | .064 | .031 | .076                                       | .045 | .022 | .044 | .026 | .013 | .014 | .009 | .004 |   |
| 8.0         | .122                  | .068 | .031 | .105 | .059 | .027 | .073                                       | .041 | .019 | .042 | .024 | .011 | .014 | .008 | .004 |   |
| 9.0         | .117                  | .063 | .027 | .101 | .055 | .023 | .070                                       | .038 | .017 | .041 | .023 | .010 | .013 | .007 | .003 |   |
| 10.0        | .111                  | .059 | .024 | .096 | .051 | .021 | .067                                       | .036 | .015 | .039 | .021 | .009 | .013 | .007 | .003 |   |

$H(\beta)$  Range:-90 - 90DEG  
 $H(\beta)$  Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:yang  
 Test Date:2024-07-26

$V(B)$  Range:-90 - 90DEG  
 $V(B)$  Interval: 5.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.429  
 Humidity:65.0%  
 Test Distance:8.345m [K=1.0330]  
 Remarks:

UGR(Unified Glare Rating) Table

|  |      |                  |      |      |                          |                |      |                       |      |      |      |
|--|------|------------------|------|------|--------------------------|----------------|------|-----------------------|------|------|------|
| Test:U:120.80V I:0.0900A P:10.500W PF:0.9690 Freq:60.00Hz Lamp Flux:934.92lx1 lm |      |                  |      |      |                          |                |      |                       |      |      |      |
| NAME: AVD4-5CCT-WH   |      |                  |      |      | TYPE: Down light         |                |      | WEIGHT: 0.3Kg         |      |      |      |
| SPEC.: 10W   |      |                  |      |      | DIM.: $\phi 132*44$ (MM) |                |      | SERIAL No.: 01        |      |      |      |
| MFR.: Signcomplex  |      |                  |      |      | SUR.: $\phi 90$ (MM)     |                |      | Shielding Angle: 120° |      |      |      |
| 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  | 23.8 | 25.3             | 24.2 | 25.6 | 25.9                     | 24.0           | 25.4 | 24.3                  | 25.7 | 26.0 |      |
|  | 3H   | 24.8             | 26.1 | 25.2 | 26.4                     | 26.8           | 25.5 | 26.8                  | 25.9 | 27.1 | 27.5 |
|  | 4H   | 25.0             | 26.2 | 25.4 | 26.6                     | 27.0           | 25.9 | 27.1                  | 26.3 | 27.5 | 27.8 |
|  | 6H   | 25.1             | 26.2 | 25.5 | 26.6                     | 27.0           | 26.1 | 27.2                  | 26.5 | 27.6 | 28.0 |
|  | 8H   | 25.1             | 26.2 | 25.6 | 26.6                     | 27.0           | 26.2 | 27.2                  | 26.6 | 27.6 | 28.0 |
|  | 12H  | 25.1             | 26.2 | 25.6 | 26.5                     | 27.0           | 26.2 | 27.3                  | 26.7 | 27.6 | 28.1 |
| 4H   | 2H   | 24.4             | 25.6 | 24.8 | 25.9                     | 26.3           | 24.1 | 25.3                  | 24.5 | 25.7 | 26.0 |
|  | 3H   | 25.5             | 26.5 | 25.9 | 26.9                     | 27.3           | 25.8 | 26.8                  | 26.3 | 27.2 | 27.6 |
|  | 4H   | 25.8             | 26.7 | 26.2 | 27.1                     | 27.5           | 26.3 | 27.2                  | 26.8 | 27.7 | 28.1 |
|  | 6H   | 26.0             | 26.7 | 26.4 | 27.2                     | 27.6           | 26.7 | 27.4                  | 27.1 | 27.9 | 28.3 |
|  | 8H   | 26.0             | 26.7 | 26.5 | 27.2                     | 27.6           | 26.8 | 27.5                  | 27.2 | 27.9 | 28.4 |
|  | 12H  | 26.0             | 26.6 | 26.5 | 27.1                     | 27.6           | 26.9 | 27.5                  | 27.3 | 28.0 | 28.4 |
| 8H   | 4H   | 26.0             | 26.7 | 26.5 | 27.2                     | 27.6           | 26.3 | 27.1                  | 26.8 | 27.5 | 28.0 |
|  | 6H   | 26.3             | 26.9 | 26.8 | 27.4                     | 27.8           | 26.7 | 27.3                  | 27.2 | 27.8 | 28.3 |
|  | 8H   | 26.3             | 26.9 | 26.9 | 27.4                     | 27.9           | 26.8 | 27.4                  | 27.4 | 27.9 | 28.4 |
|  | 12H  | 26.4             | 26.9 | 26.9 | 27.4                     | 27.9           | 27.0 | 27.5                  | 27.5 | 28.0 | 28.5 |
| 12H  | 4H   | 26.0             | 26.7 | 26.5 | 27.1                     | 27.6           | 26.3 | 27.0                  | 26.8 | 27.4 | 27.9 |
|  | 6H   | 26.3             | 26.8 | 26.8 | 27.3                     | 27.8           | 26.7 | 27.2                  | 27.2 | 27.7 | 28.2 |
|  | 8H   | 26.4             | 26.9 | 26.9 | 27.4                     | 27.9           | 26.8 | 27.3                  | 27.3 | 27.8 | 28.4 |
| CIE190: 2010   |      |                  |      |      |                          |                |      |                       |      |      |      |
|  |      |                  |      |      |                          |                |      |                       |      |      |      |

CIE190: 2010  
Area: 0.0063 m2

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yang  
Test Date:2024-07-26

V(B) Range:-90 - 90DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.429  
Humidity:65.0%  
Test Distance:8.345m [K=1.0330]  
Remarks:

### UTILIZATION FACTORS TABLE

|  |                                 |                       |
|--|---------------------------------|-----------------------|
| Test:U:120.80V I:0.0900A P:10.500W PF:0.9690 Freq:60.00Hz Lamp Flux:934.92lx1 lm |                                 |                       |
| NAME: AVD4-5CCT-WH   | TYPE: Down light                | WEIGHT: 0.3Kg         |
| SPEC.: 10W   | DIM.: $\phi 132 \times 44$ (MM) | SERIAL No.: 01        |
| MFR.: Signcomplex  | SUR.: $\phi 90$ (MM)            | Shielding Angle: 120° |

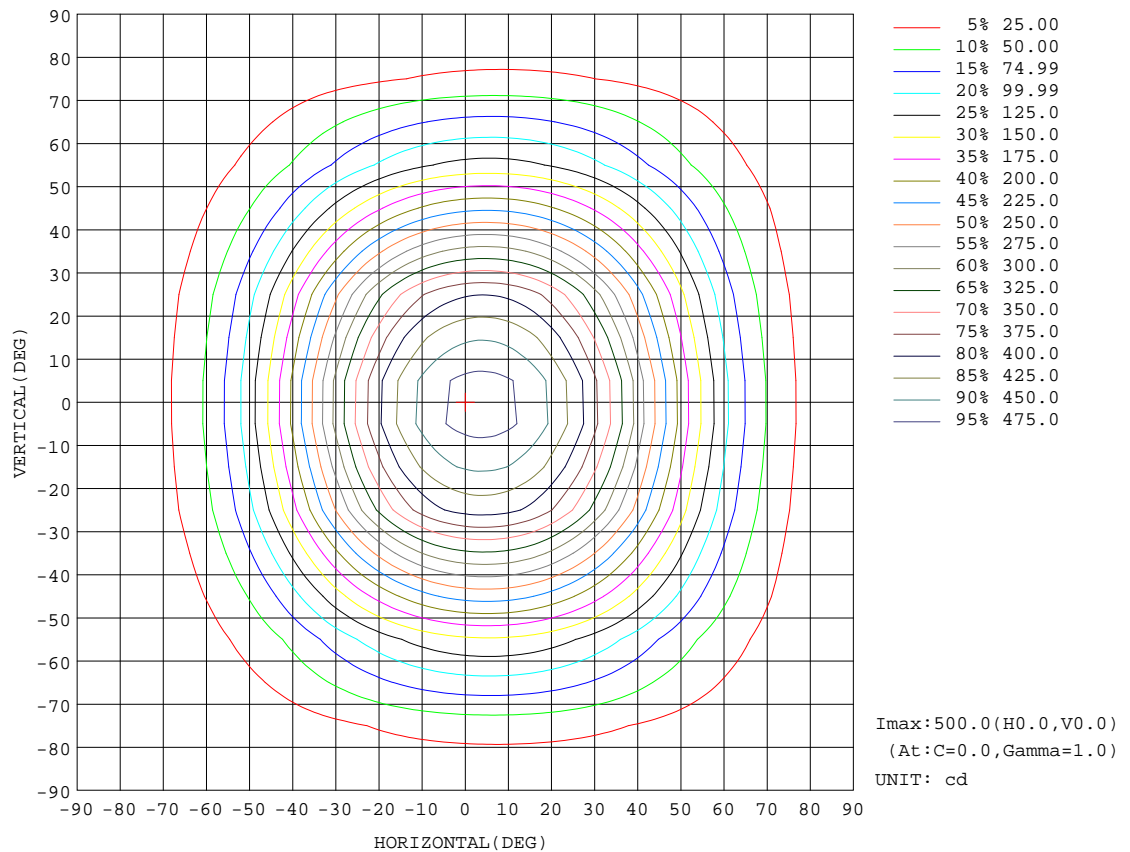
| REFLECTANCE                      |   |     |           |     |     |     |     |               |     |        |
|----------------------------------|---|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling                          | 0.8   | 0.8 | 0.8       | 0.7 | 0.7 | 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) $k(RI) \times RCR = 5$ |     |           |     |     |     |     |               |     |        |
| $k = 0.60$                       | 66  | 55  | 49        | 65  | 55  | 49  | 64  | 55            | 49  | 43     |
| 0.80                             | 75  | 66  | 59        | 75  | 65  | 59  | 73  | 64            | 59  | 53     |
| 1.00                             | 83  | 74  | 68        | 82  | 73  | 68  | 80  | 74            | 67  | 61     |
| 1.25                             | 90  | 81  | 75        | 89  | 80  | 75  | 86  | 79            | 74  | 68     |
| 1.50                             | 94  | 86  | 80        | 93  | 85  | 80  | 90  | 84            | 79  | 72     |
| 2.00                             | 100   | 93  | 88        | 98  | 92  | 87  | 95  | 90            | 86  | 79     |
| 2.50                             | 103   | 97  | 92        | 101 | 95  | 91  | 98  | 93            | 89  | 82     |
| 3.00                             | 106   | 100 | 96        | 104 | 99  | 95  | 100 | 96            | 93  | 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 |     |        |

$H(\beta)$  Range:-90 - 90DEG  
 $H(\beta)$  Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:yang  
 Test Date:2024-07-26

$V(B)$  Range:-90 - 90DEG  
 $V(B)$  Interval: 5.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.429  
 Humidity:65.0%  
 Test Distance:8.345m [K=1.0330]  
 Remarks:

## ISOCANDELA DIAGRAM

|  |                                 |                       |
|--|---------------------------------|-----------------------|
| Test:U:120.80V I:0.0900A P:10.500W PF:0.9690 Freq:60.00Hz Lamp Flux:934.92lx1 lm |                                 |                       |
| NAME: AVD4-5CCT-WH   | TYPE: Down light                | WEIGHT: 0.3Kg         |
| SPEC.: 10W   | DIM.: $\phi 132 \times 44$ (MM) | SERIAL No.: 01        |
| MFR.: Signcomplex  | SUR.: $\phi 90$ (MM)            | Shielding Angle: 120° |



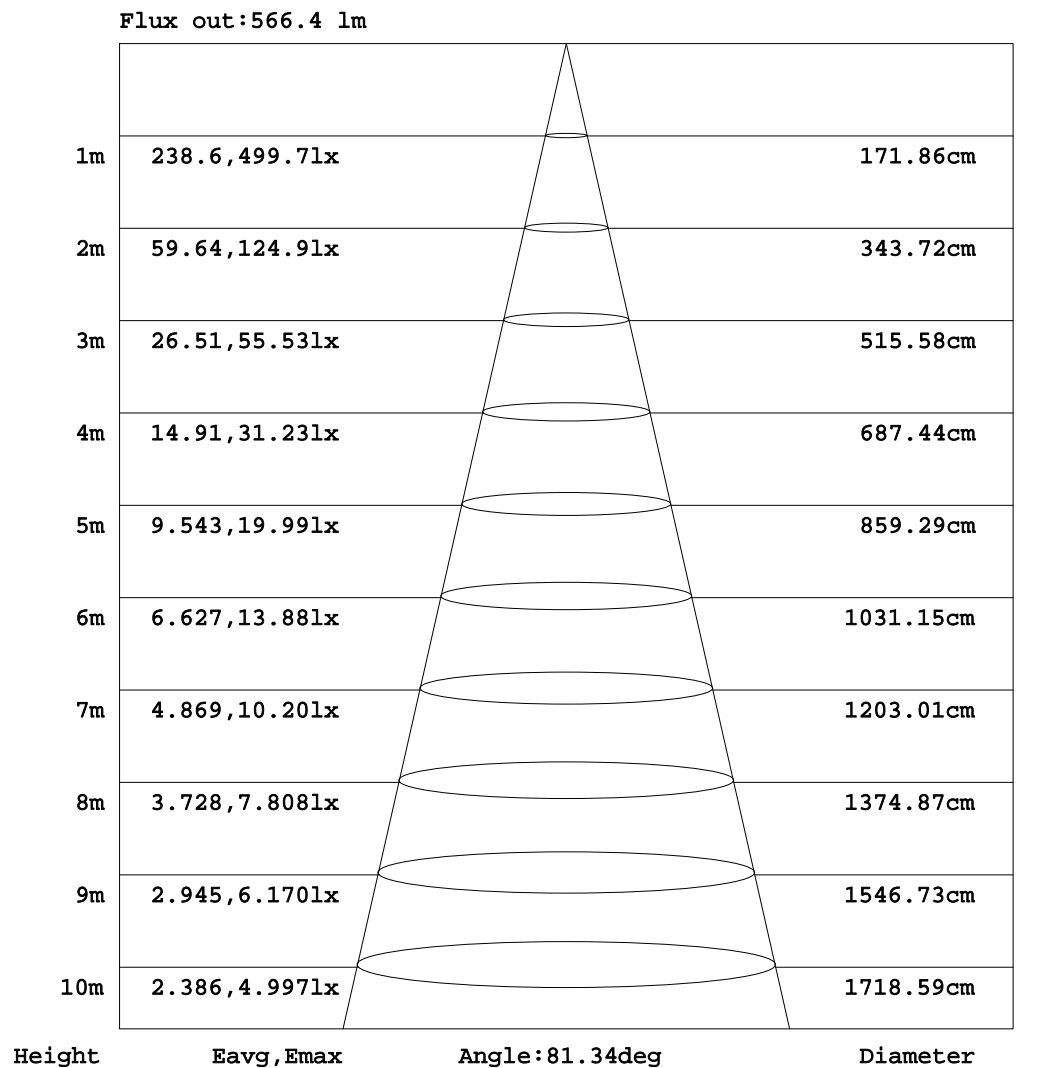
H( $\beta$ ) Range: -90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: yang  
Test Date: 2024-07-26

V(B) Range: -90 - 90DEG  
V(B) Interval: 5.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.429  
Humidity: 65.0%  
Test Distance: 8.345m [K=1.0330]  
Remarks:



### AAI Figure

|  |                                 |                       |
|--|---------------------------------|-----------------------|
| Test:U:120.80V I:0.0900A P:10.500W PF:0.9690 Freq:60.00Hz Lamp Flux:934.92lx1 lm |                                 |                       |
| NAME: AVD4-5CCT-WH   | TYPE: Down light                | WEIGHT: 0.3Kg         |
| SPEC.: 10W   | DIM.: $\phi 132 \times 44$ (MM) | SERIAL No.: 01        |
| MFR.: Signcomplex  | SUR.: $\phi 90$ (MM)            | Shielding Angle: 120° |



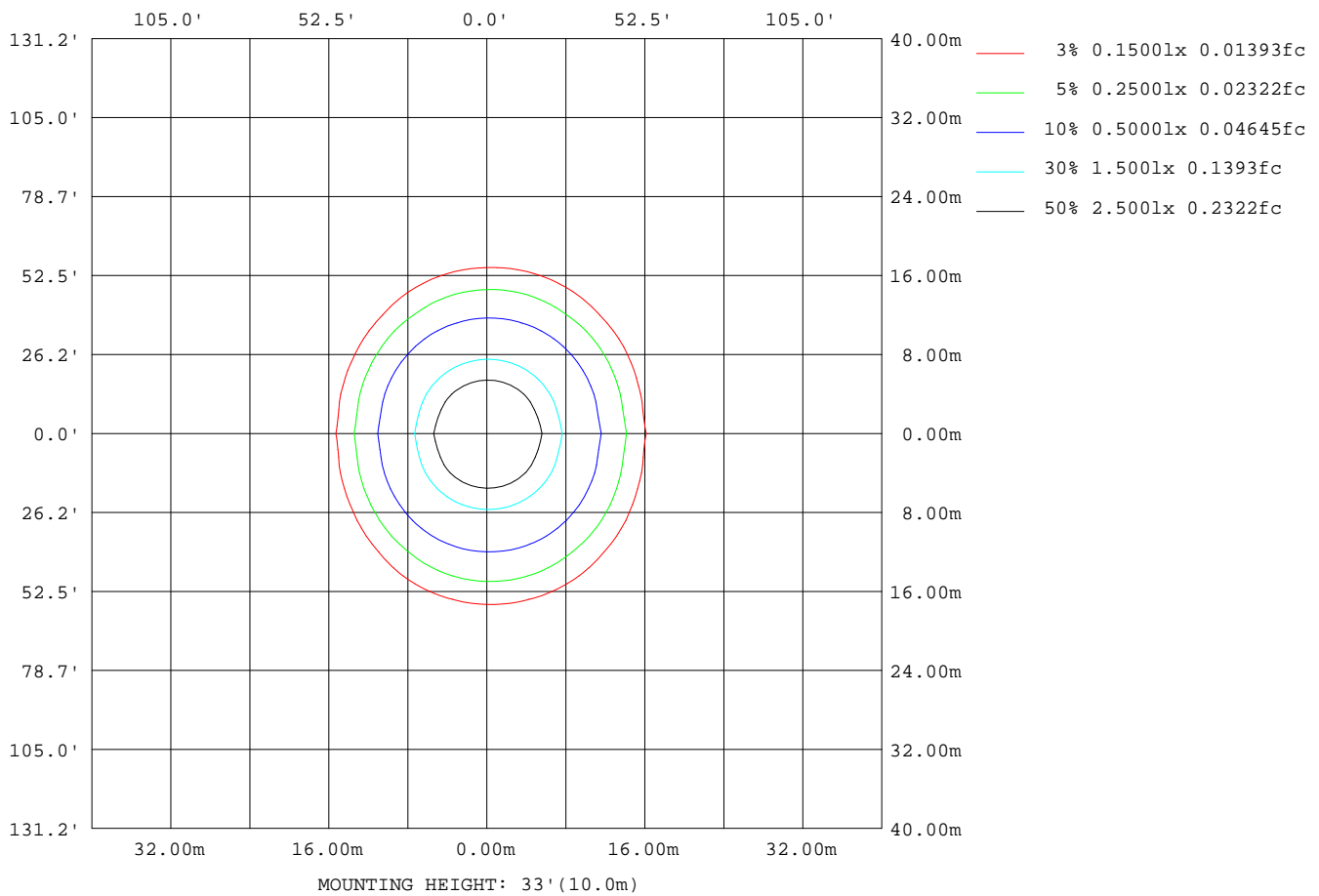
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yang  
Test Date:2024-07-26

V(B) Range:-90 - 90DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.429  
Humidity:65.0%  
Test Distance:8.345m [K=1.0330]  
Remarks:

## ISOLUX DIAGRAM

|  |                                 |                       |
|--|---------------------------------|-----------------------|
| Test:U:120.80V I:0.0900A P:10.500W PF:0.9690 Freq:60.00Hz Lamp Flux:934.92lx1 lm |                                 |                       |
| NAME: AVD4-5CCT-WH   | TYPE: Down light                | WEIGHT: 0.3Kg         |
| SPEC.: 10W   | DIM.: $\phi 132 \times 44$ (MM) | SERIAL No.: 01        |
| MFR.: Signcomplex  | SUR.: $\phi 90$ (MM)            | Shielding Angle: 120° |



H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yang  
Test Date:2024-07-26

V(B) Range:-90 - 90DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.429  
Humidity:65.0%  
Test Distance:8.345m [K=1.0330]  
Remarks:

### LED Avg.L Report

|  |                                 |                       |
|--|---------------------------------|-----------------------|
| Test:U:120.80V I:0.0900A P:10.500W PF:0.9690 Freq:60.00Hz Lamp Flux:934.92lx1 lm |                                 |                       |
| NAME: AVD4-5CCT-WH   | TYPE: Down light                | WEIGHT: 0.3Kg         |
| SPEC.: 10W   | DIM.: $\phi 132 \times 44$ (MM) | SERIAL No.: 01        |
| MFR.: Signcomplex  | SUR.: $\phi 90$ (MM)            | Shielding Angle: 120° |

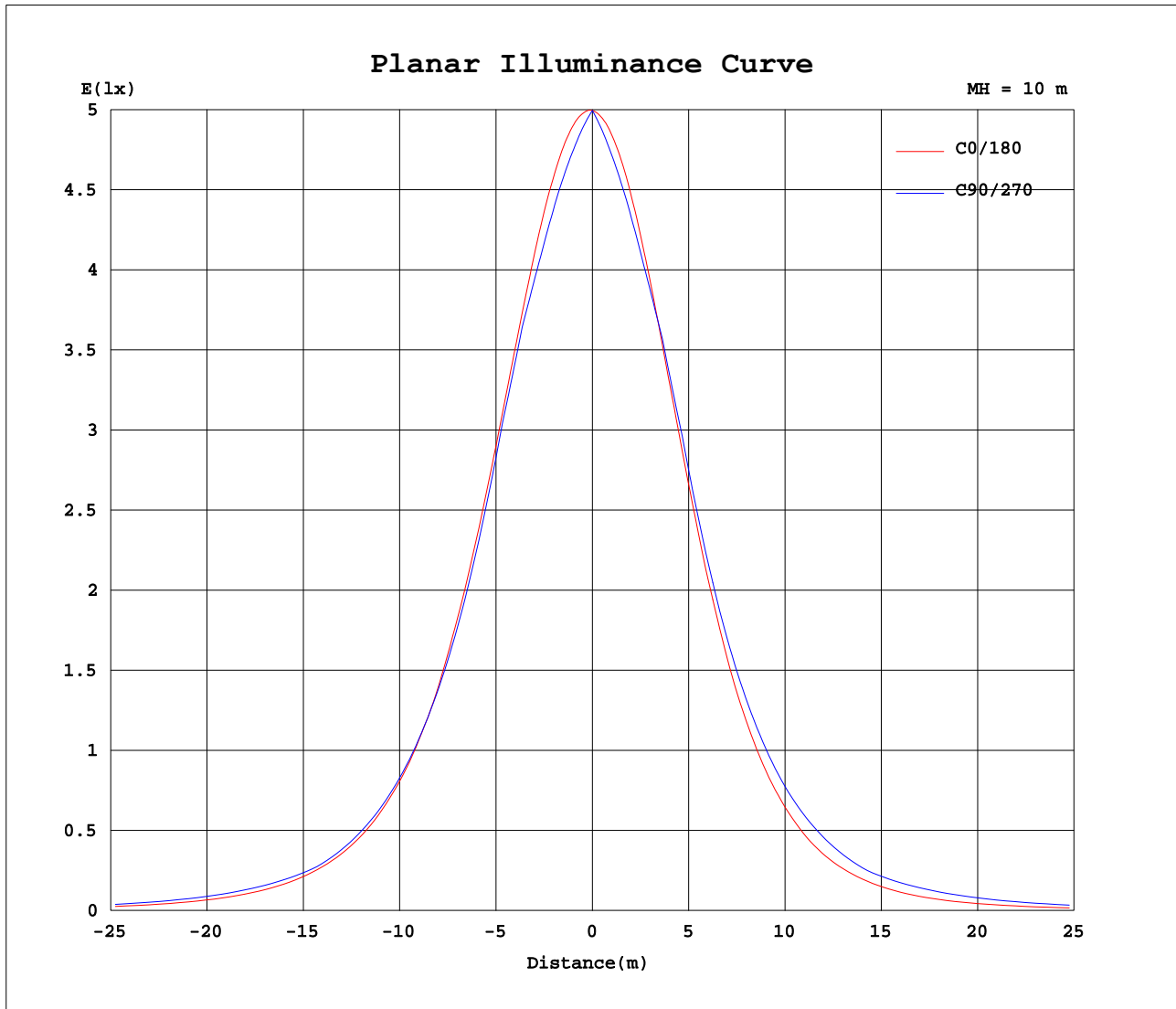
| AvgL             | cd/m2 |
|------------------|-------|
| L_0~180 (65) av  | 20313 |
| L_0~180 (75) av  | 11516 |
| L_0~180 (85) av  | 3897  |
| L_90~270 (65) av | 32243 |
| L_90~270 (75) av | 20069 |
| L_90~270 (85) av | 15019 |
| L_45 (65) av     | 24687 |
| L_45 (75) av     | 17443 |
| L_45 (85) av     | 9633  |

Standard: GB/T 29293-2012

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yang  
Test Date:2024-07-26

V(B) Range:-90 - 90DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.429  
Humidity:65.0%  
Test Distance:8.345m [K=1.0330]  
Remarks:

### Planar Illuminance Curve



H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yang  
Test Date:2024-07-26

V(B) Range:-90 - 90DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.429  
Humidity:65.0%  
Test Distance:8.345m [K=1.0330]  
Remarks:

V(B) Range:-90 - 90DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.429  
Humidity:65.0%  
Test Distance:8.345m [K=1.0330]  
Remarks:

V(B) Range:-90 - 90DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.429  
Humidity:65.0%  
Test Distance:8.345m [K=1.0330]  
Remarks:

V(B) Range:-90 - 90DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.429  
Humidity:65.0%  
Test Distance:8.345m [K=1.0330]  
Remarks:

V(B) Range:-90 - 90DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.429  
Humidity:65.0%  
Test Distance:8.345m [K=1.0330]  
Remarks: