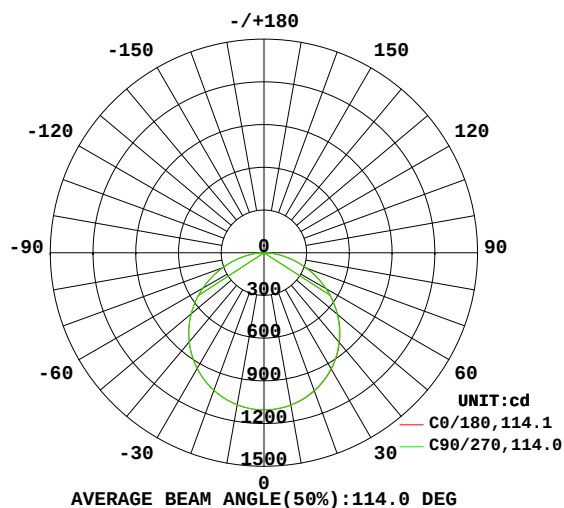


## LUMINAIRE PHOTOMETRIC TEST REPORT

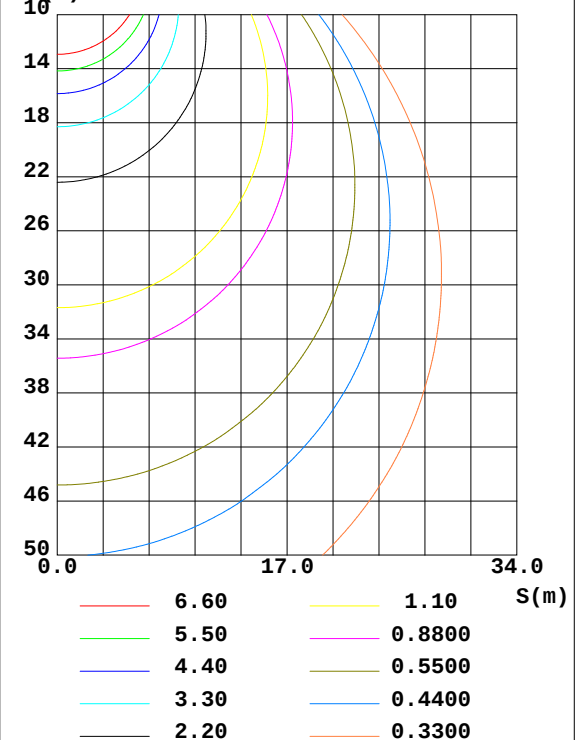
|                                                                                  |                  |                  |
|----------------------------------------------------------------------------------|------------------|------------------|
| Test:U:220.78V I:0.1666A P:35.334W PF:0.9604 Freq:50.01Hz Lamp Flux:3245.66x1 lm |                  |                  |
| NAME: LPB new 40w 1200x300 WH TC                                                 | TYPE:            | WEIGHT:          |
| SPEC.: 40W                                                                       | DIM.:            | SERIAL No.:      |
| MFR.:                                                                            | SUR.: 1155*255mm | Shielding Angle: |

| DATA OF LAMP     |               | PHOTOMETRIC DATA Eff: 91.86 lm/W |        |                    |           |
|------------------|---------------|----------------------------------|--------|--------------------|-----------|
| MODEL            | 2835 64 6000K | I <sub>max</sub> (cd)            | 1104   | S/MH(C0/180)       | 1.26      |
| NOMINAL POWER(W) | 40            | LOR(%)                           | 100.0  | S/MH(C90/270)      | 1.27      |
| RATED VOLTAGE(V) | 220-240       | TOTAL FLUX(lm)                   | 3245.7 | η UP, DN(C0-180)   | 0.4, 49.9 |
| NOMINAL FLUX(lm) | 3245.66       | CIE CLASS                        | DIRECT | η UP, DN(C180-360) | 0.3, 49.5 |
| LAMPS INSIDE     | 1             | η up(%)                          | 0.7    | CIBSE SHR NOM      | 1.25      |
| TEST VOLTAGE(V)  |               | η down(%)                        | 99.3   | CIBSE SHR MAX      | 1.35      |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:  
Test Date:2021-05-20

γ Range: 0 - 180DEG  
γ Interval: 2.0DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.00.428  
Humidity:65.0%  
Test Distance:7.250m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

### ZONAL FLUX DIAGRAM:

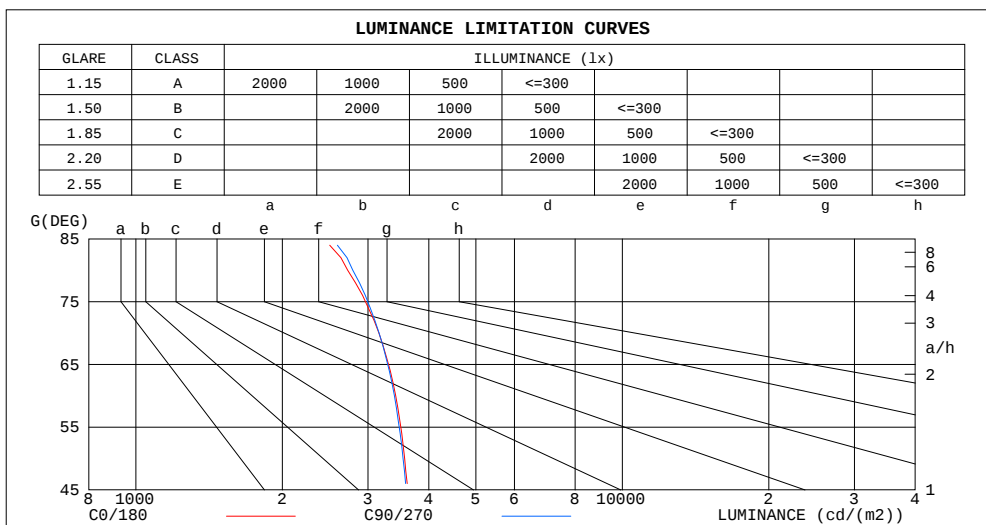
| $\gamma$ | C0                    | C45   | C90   | C135  | C180  | C225  | C270  | C315  | $\gamma$ | $\Phi$ zone | $\Phi$ total | %lum, lamp |
|----------|-----------------------|-------|-------|-------|-------|-------|-------|-------|----------|-------------|--------------|------------|
| 10       | 1087                  | 1087  | 1085  | 1083  | 1084  | 1083  | 1085  | 1086  | 0- 10    | 104.5       | 104.5        | 3.22, 3.22 |
| 20       | 1033                  | 1034  | 1031  | 1027  | 1029  | 1027  | 1029  | 1033  | 10- 20   | 299.8       | 404.3        | 12.5, 12.5 |
| 30       | 944.9                 | 945.4 | 940.6 | 937.5 | 939.1 | 936.7 | 939.8 | 944.0 | 20- 30   | 456.1       | 860.4        | 26.5, 26.5 |
| 40       | 824.2                 | 825.4 | 819.6 | 816.2 | 817.9 | 813.7 | 817.8 | 824.3 | 30- 40   | 553.0       | 1413         | 43.5, 43.5 |
| 50       | 675.7                 | 677.9 | 670.7 | 667.1 | 667.7 | 663.7 | 668.1 | 676.0 | 40- 50   | 577.3       | 1991         | 61.3, 61.3 |
| 60       | 503.8                 | 506.3 | 500.6 | 495.0 | 494.5 | 489.9 | 496.7 | 504.8 | 50- 60   | 524.5       | 2515         | 77.5, 77.5 |
| 70       | 318.3                 | 322.2 | 318.4 | 310.8 | 308.6 | 304.6 | 313.9 | 319.7 | 60- 70   | 402.9       | 2918         | 89.9, 89.9 |
| 80       | 139.4                 | 144.2 | 142.7 | 134.8 | 131.5 | 128.2 | 137.7 | 141.2 | 70- 80   | 236.8       | 3155         | 97.2, 97.2 |
| 90       | 3.767                 | 5.226 | 5.459 | 3.675 | 1.498 | 1.289 | 3.235 | 5.158 | 80- 90   | 69.27       | 3224         | 99.3, 99.3 |
| 100      | 2.610                 | 2.567 | 2.463 | 2.593 | 1.744 | 1.634 | 1.562 | 1.637 | 90-100   | 2.214       | 3226         | 99.4, 99.4 |
| 110      | 3.231                 | 3.210 | 3.129 | 3.218 | 2.274 | 2.142 | 2.132 | 2.175 | 100-110  | 2.531       | 3229         | 99.5, 99.5 |
| 120      | 3.838                 | 3.817 | 3.768 | 3.817 | 2.801 | 2.654 | 2.684 | 2.676 | 110-120  | 2.947       | 3232         | 99.6, 99.6 |
| 130      | 4.365                 | 4.399 | 4.368 | 4.380 | 3.328 | 3.246 | 3.203 | 3.246 | 120-130  | 3.168       | 3235         | 99.7, 99.7 |
| 140      | 4.796                 | 4.929 | 4.891 | 4.936 | 3.938 | 3.896 | 3.810 | 3.794 | 130-140  | 3.165       | 3238         | 99.8, 99.8 |
| 150      | 5.176                 | 5.338 | 5.312 | 5.389 | 4.603 | 4.642 | 4.545 | 4.471 | 140-150  | 2.921       | 3241         | 99.9, 99.9 |
| 160      | 5.535                 | 5.714 | 5.765 | 5.733 | 5.122 | 5.238 | 5.210 | 5.026 | 150-160  | 2.393       | 3244         | 99.9, 99.9 |
| 170      | 5.743                 | 5.923 | 6.032 | 5.827 | 5.543 | 5.652 | 5.773 | 5.465 | 160-170  | 1.577       | 3245         | 100, 100   |
| 180      | 5.765                 | 5.882 | 6.040 | 5.747 | 5.751 | 5.944 | 6.036 | 5.721 | 170-180  | 0.5538      | 3246         | 100, 100   |
| DEG      | LUMINOUS INTENSITY:cd |       |       |       |       |       |       |       |          | UNIT:lm     |              |            |

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:  
Test Date:2021-05-20

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 2.0DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.00.428  
Humidity:65.0%  
Test Distance:7.250m [K=1.0000]  
Remarks:

# LUMINANCE LIMITATION CURVES

|                                                                                  |                  |                  |
|----------------------------------------------------------------------------------|------------------|------------------|
| Test:U:220.78V I:0.1666A P:35.334W PF:0.9604 Freq:50.01Hz Lamp Flux:3245.66x1 lm |                  |                  |
| NAME: LPB new 40w 1200x300 WH TC                                                 | TYPE:            | WEIGHT:          |
| SPEC.: 40W                                                                       | DIM.:            | SERIAL No.:      |
| MFR.:                                                                            | SUR.: 1155*255mm | Shielding Angle: |



| LUMINANCE cd/(m2) |        |         |
|-------------------|--------|---------|
| G(DEG)            | C0/180 | C90/270 |
| 85                | 3002   | 3113    |
| 80                | 2725   | 2791    |
| 75                | 3200   | 3230    |
| 70                | 3160   | 3161    |
| 65                | 3457   | 3443    |
| 60                | 3421   | 3399    |
| 55                | 3607   | 3580    |
| 50                | 3569   | 3543    |
| 45                | 3687   | 3664    |

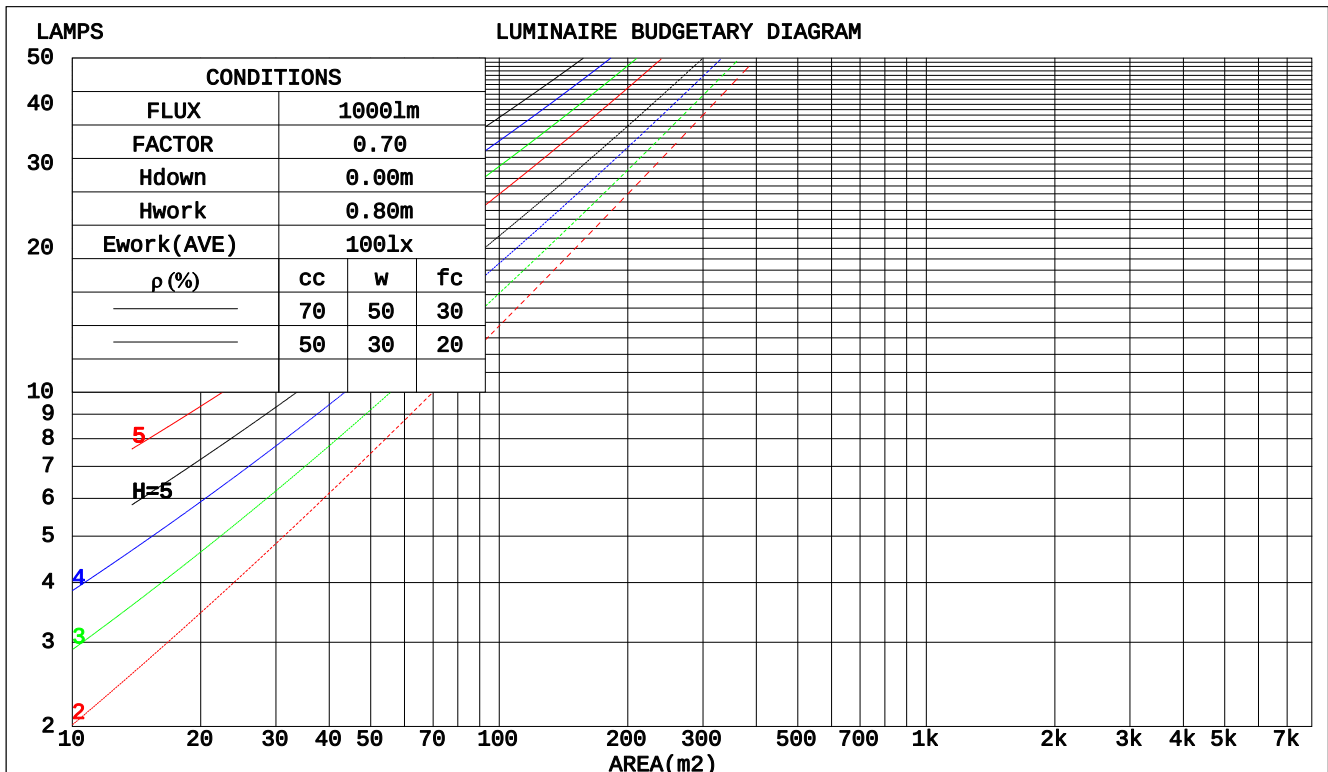
C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:  
Test Date:2021-05-20

γ Range: 0 - 180DEG  
γ Interval: 2.0DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.00.428  
Humidity:65.0%  
Test Distance:7.250m [K=1.0000]  
Remarks:

### CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|                                                                                  |                  |                  |
|----------------------------------------------------------------------------------|------------------|------------------|
| Test:U:220.78V I:0.1666A P:35.334W PF:0.9604 Freq:50.01Hz Lamp Flux:3245.66x1 lm |                  |                  |
| NAME: LPB new 40w 1200x300 WH TC                                                 | TYPE:            | WEIGHT:          |
| SPEC.: 40W                                                                       | DIM.:            | SERIAL No.:      |
| MFR.:                                                                            | SUR.: 1155*255mm | 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 |      |      |      |      |      | 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 | 1.01 | 1.01 | 1.01 | .99 |
| 1.0         | 1.03                  | .99  | .95  | 1.01 | .97  | .94  | .97                             | .93  | .90  | .93  | .90  | .88  | .89  | .87  | .85  | .83 |
| 2.0         | .90                   | .83  | .77  | .88  | .82  | .76  | .84                             | .79  | .74  | .81  | .76  | .72  | .78  | .74  | .71  | .69 |
| 3.0         | .79                   | .71  | .64  | .77  | .69  | .63  | .74                             | .67  | .62  | .71  | .66  | .61  | .69  | .64  | .60  | .58 |
| 4.0         | .70                   | .61  | .54  | .68  | .60  | .54  | .66                             | .58  | .53  | .63  | .57  | .52  | .61  | .56  | .51  | .49 |
| 5.0         | .62                   | .53  | .46  | .61  | .52  | .46  | .59                             | .51  | .46  | .57  | .50  | .45  | .55  | .49  | .44  | .42 |
| 6.0         | .56                   | .47  | .40  | .55  | .46  | .40  | .53                             | .45  | .40  | .51  | .45  | .39  | .50  | .44  | .39  | .37 |
| 7.0         | .51                   | .42  | .36  | .50  | .41  | .35  | .48                             | .41  | .35  | .47  | .40  | .35  | .45  | .39  | .35  | .33 |
| 8.0         | .46                   | .38  | .32  | .45  | .37  | .32  | .44                             | .37  | .31  | .43  | .36  | .31  | .42  | .35  | .31  | .29 |
| 9.0         | .42                   | .34  | .29  | .42  | .34  | .28  | .41                             | .33  | .28  | .39  | .33  | .28  | .38  | .32  | .28  | .26 |
| 10.0        | .39                   | .31  | .26  | .39  | .31  | .26  | .37                             | .30  | .26  | .37  | .30  | .25  | .36  | .30  | .25  | .24 |



C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:  
Test Date:2021-05-20

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 2.0DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.00.428  
Humidity:65.0%  
Test Distance:7.250m [K=1.0000]  
Remarks:

# WEC AND CCEC

|                                                                                  |  |  |                  |  |                  |
|----------------------------------------------------------------------------------|--|--|------------------|--|------------------|
| Test:U:220.78V I:0.1666A P:35.334W PF:0.9604 Freq:50.01Hz Lamp Flux:3245.66x1 lm |  |  |                  |  |                  |
| NAME: LPB new 40w 1200x300 WH TC                                                 |  |  | TYPE:            |  | WEIGHT:          |
| SPEC.: 40W                                                                       |  |  | DIM.:            |  | SERIAL No.:      |
| MFR.:                                                                            |  |  | SUR.: 1155*255mm |  | 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         | .315                  | .179 | .057 | .307 | .175 | .056 | .294                            | .169 | .054 | .281 | .162 | .052 | .270 | .156 | .050 |   |
| 2.0         | .295                  | .162 | .050 | .289 | .159 | .049 | .276                            | .154 | .048 | .265 | .149 | .047 | .255 | .144 | .045 |   |
| 3.0         | .272                  | .145 | .043 | .267 | .143 | .043 | .256                            | .139 | .042 | .246 | .135 | .041 | .237 | .131 | .041 |   |
| 4.0         | .251                  | .130 | .038 | .246 | .129 | .038 | .236                            | .125 | .037 | .228 | .122 | .037 | .219 | .119 | .036 |   |
| 5.0         | .232                  | .118 | .034 | .227 | .117 | .034 | .219                            | .114 | .034 | .211 | .111 | .033 | .204 | .109 | .033 |   |
| 6.0         | .215                  | .108 | .031 | .211 | .106 | .031 | .203                            | .104 | .030 | .196 | .102 | .030 | .190 | .100 | .030 |   |
| 7.0         | .200                  | .099 | .028 | .196 | .098 | .028 | .189                            | .096 | .028 | .183 | .094 | .027 | .177 | .092 | .027 |   |
| 8.0         | .186                  | .091 | .026 | .183 | .090 | .026 | .177                            | .089 | .025 | .172 | .087 | .025 | .166 | .085 | .025 |   |
| 9.0         | .175                  | .084 | .024 | .172 | .084 | .023 | .166                            | .082 | .023 | .161 | .081 | .023 | .156 | .079 | .023 |   |
| 10.0        | .164                  | .079 | .022 | .162 | .078 | .022 | .157                            | .077 | .022 | .152 | .075 | .021 | .148 | .074 | .021 |   |

| ρ <sub>cc</sub> | 80%                   |      |      | 70%  |      |      | 50%                                        |      |      | 30%  |      |      | 10%  |      |      | 0 |  |
|-----------------|-----------------------|------|------|------|------|------|--------------------------------------------|------|------|------|------|------|------|------|------|---|--|
| ρ <sub>w</sub>  | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%                                        | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |  |
| ρ <sub>fc</sub> | 20%                   |      |      | 20%  |      |      | 20%                                        |      |      | 20%  |      |      | 20%  |      |      | 0 |  |
| RCR             | RCR:Room Cavity Ratio |      |      |      |      |      | Ceiling Cavity Exitance Coefficients(CCEC) |      |      |      |      |      |      |      |      |   |  |
| 0.0             | .196                  | .196 | .196 | .167 | .167 | .167 | .114                                       | .114 | .114 | .066 | .066 | .066 | .021 | .021 | .021 |   |  |
| 1.0             | .186                  | .161 | .139 | .159 | .138 | .120 | .109                                       | .095 | .083 | .063 | .055 | .048 | .020 | .018 | .016 |   |  |
| 2.0             | .178                  | .137 | .103 | .152 | .118 | .089 | .104                                       | .082 | .062 | .060 | .047 | .036 | .019 | .015 | .012 |   |  |
| 3.0             | .170                  | .119 | .079 | .146 | .103 | .069 | .100                                       | .072 | .048 | .058 | .042 | .028 | .019 | .014 | .009 |   |  |
| 4.0             | .162                  | .106 | .063 | .139 | .092 | .055 | .096                                       | .064 | .039 | .055 | .037 | .023 | .018 | .012 | .008 |   |  |
| 5.0             | .155                  | .096 | .052 | .133 | .083 | .045 | .092                                       | .058 | .032 | .053 | .034 | .019 | .017 | .011 | .006 |   |  |
| 6.0             | .148                  | .087 | .044 | .127 | .076 | .038 | .088                                       | .053 | .027 | .051 | .031 | .016 | .016 | .010 | .005 |   |  |
| 7.0             | .141                  | .081 | .038 | .121 | .070 | .033 | .084                                       | .049 | .024 | .049 | .029 | .014 | .016 | .009 | .005 |   |  |
| 8.0             | .134                  | .075 | .034 | .116 | .065 | .029 | .080                                       | .046 | .021 | .047 | .027 | .012 | .015 | .009 | .004 |   |  |
| 9.0             | .128                  | .070 | .030 | .111 | .061 | .026 | .077                                       | .043 | .019 | .045 | .025 | .011 | .014 | .008 | .004 |   |  |
| 10.0            | .123                  | .066 | .028 | .106 | .057 | .024 | .073                                       | .040 | .017 | .043 | .024 | .010 | .014 | .008 | .003 |   |  |

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:  
Test Date:2021-05-20

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 2.0DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.00.428  
Humidity:65.0%  
Test Distance:7.250m [K=1.0000]  
Remarks:

### UGR(Unified Glare Rating) Table

|                                                                                  |                  |      |      |      |                  |                |      |                  |      |      |
|----------------------------------------------------------------------------------|------------------|------|------|------|------------------|----------------|------|------------------|------|------|
| Test:U:220.78V I:0.1666A P:35.334W PF:0.9604 Freq:50.01Hz Lamp Flux:3245.66x1 lm |                  |      |      |      |                  |                |      |                  |      |      |
| NAME: LPB new 40w 1200x300 WH TC                                                 |                  |      |      |      | TYPE:            |                |      | WEIGHT:          |      |      |
| SPEC.: 40W                                                                       |                  |      |      |      | DIM.:            |                |      | SERIAL No.:      |      |      |
| MFR.:                                                                            |                  |      |      |      | SUR.: 1155*255mm |                |      | 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                                                                    | 13.2             | 14.7 | 13.4 | 14.9 | 15.1             | 13.1           | 14.7 | 13.4             | 14.9 | 15.1 |
| 3H                                                                               | 14.7             | 16.1 | 15.0 | 16.4 | 16.6             | 14.7           | 16.1 | 15.0             | 16.4 | 16.6 |
| 4H                                                                               | 15.4             | 16.7 | 15.7 | 17.0 | 17.2             | 15.3           | 16.7 | 15.7             | 17.0 | 17.2 |
| 6H                                                                               | 15.8             | 17.1 | 16.2 | 17.4 | 17.7             | 15.8           | 17.1 | 16.2             | 17.4 | 17.7 |
| 8H                                                                               | 16.0             | 17.2 | 16.3 | 17.5 | 17.8             | 16.0           | 17.2 | 16.4             | 17.5 | 17.8 |
| 12H                                                                              | 16.1             | 17.2 | 16.4 | 17.5 | 17.9             | 16.1           | 17.3 | 16.5             | 17.6 | 17.9 |
| 4H 2H                                                                            | 13.8             | 15.1 | 14.1 | 15.4 | 15.7             | 13.8           | 15.1 | 14.1             | 15.4 | 15.6 |
| 3H                                                                               | 15.5             | 16.7 | 15.9 | 17.0 | 17.3             | 15.5           | 16.7 | 15.9             | 17.0 | 17.3 |
| 4H                                                                               | 16.3             | 17.4 | 16.7 | 17.7 | 18.1             | 16.3           | 17.4 | 16.7             | 17.7 | 18.1 |
| 6H                                                                               | 16.9             | 17.8 | 17.3 | 18.2 | 18.6             | 16.9           | 17.9 | 17.3             | 18.2 | 18.6 |
| 8H                                                                               | 17.1             | 18.0 | 17.5 | 18.4 | 18.8             | 17.1           | 18.0 | 17.6             | 18.4 | 18.8 |
| 12H                                                                              | 17.3             | 18.1 | 17.7 | 18.5 | 18.9             | 17.3           | 18.1 | 17.7             | 18.5 | 18.9 |
| 8H 4H                                                                            | 16.6             | 17.5 | 17.0 | 17.9 | 18.3             | 16.6           | 17.5 | 17.0             | 17.9 | 18.3 |
| 6H                                                                               | 17.3             | 18.1 | 17.8 | 18.5 | 18.9             | 17.4           | 18.1 | 17.8             | 18.5 | 19.0 |
| 8H                                                                               | 17.7             | 18.3 | 18.1 | 18.7 | 19.2             | 17.7           | 18.3 | 18.2             | 18.8 | 19.2 |
| 12H                                                                              | 17.9             | 18.4 | 18.4 | 18.9 | 19.4             | 17.9           | 18.5 | 18.4             | 19.0 | 19.4 |
| 12H 4H                                                                           | 16.6             | 17.4 | 17.0 | 17.8 | 18.2             | 16.6           | 17.4 | 17.0             | 17.8 | 18.2 |
| 6H                                                                               | 17.4             | 18.1 | 17.9 | 18.5 | 19.0             | 17.4           | 18.1 | 17.9             | 18.5 | 19.0 |
| 8H                                                                               | 17.8             | 18.3 | 18.3 | 18.8 | 19.3             | 17.8           | 18.4 | 18.3             | 18.8 | 19.3 |
| Variations with the observer position at spacings(CIE Pub.117):                  |                  |      |      |      |                  |                |      |                  |      |      |
| S = 1.0H                                                                         | + 0.1 / - 0.2    |      |      |      |                  | + 0.1 / - 0.2  |      |                  |      |      |
| 1.5H                                                                             | + 0.2 / - 0.3    |      |      |      |                  | + 0.2 / - 0.3  |      |                  |      |      |
| 2.0H                                                                             | + 0.1 / - 0.3    |      |      |      |                  | + 0.1 / - 0.3  |      |                  |      |      |

CIE Pub.117, 3246 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 4.1)  
Area: 0.294525 m2

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:  
Test Date:2021-05-20

γ Range: 0 - 180DEG  
γ Interval: 2.0DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.00.428  
Humidity:65.0%  
Test Distance:7.250m [K=1.0000]  
Remarks:

### UTILIZATION FACTORS TABLE

|                                                                                  |                  |                  |
|----------------------------------------------------------------------------------|------------------|------------------|
| Test:U:220.78V I:0.1666A P:35.334W PF:0.9604 Freq:50.01Hz Lamp Flux:3245.66x1 lm |                  |                  |
| NAME: LPB new 40w 1200x300 WH TC                                                 | TYPE:            | WEIGHT:          |
| SPEC.: 40W                                                                       | DIM.:            | SERIAL No.:      |
| MFR.:                                                                            | SUR.: 1155*255mm | Shielding Angle: |

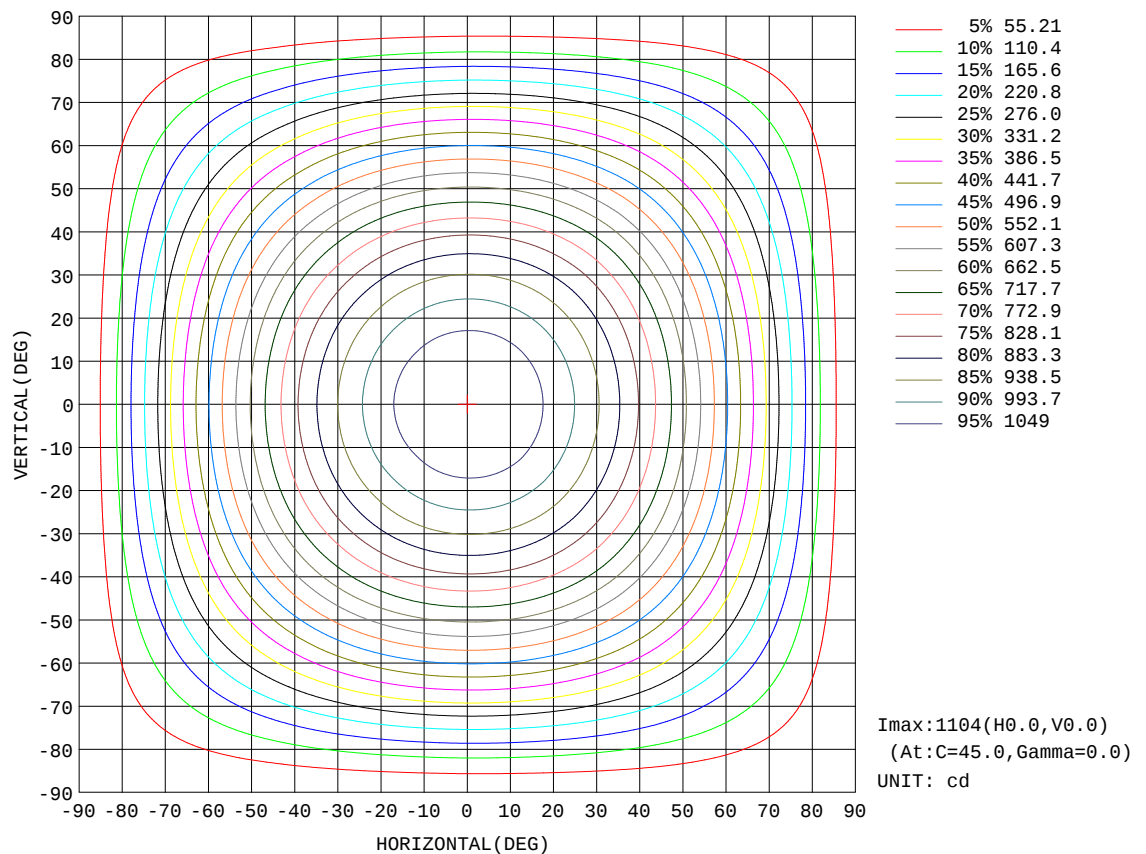
| REFLECTANCE                      |                                                     |     |           |     |     |     |     |               |     |        |
|----------------------------------|-----------------------------------------------------|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| 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                         | 57                                                  | 45  | 38        | 56  | 45  | 38  | 55  | 44            | 38  | 31     |
| 0.80                             | 67                                                  | 55  | 48        | 66  | 55  | 48  | 64  | 54            | 47  | 40     |
| 1.00                             | 75                                                  | 64  | 57        | 74  | 63  | 56  | 72  | 65            | 56  | 49     |
| 1.25                             | 82                                                  | 72  | 65        | 81  | 71  | 64  | 78  | 70            | 63  | 56     |
| 1.50                             | 87                                                  | 77  | 70        | 86  | 77  | 70  | 83  | 75            | 69  | 61     |
| 2.00                             | 94                                                  | 86  | 79        | 92  | 84  | 78  | 89  | 82            | 77  | 69     |
| 2.50                             | 98                                                  | 90  | 84        | 96  | 89  | 83  | 92  | 86            | 81  | 73     |
| 3.00                             | 102                                                 | 95  | 89        | 100 | 93  | 88  | 95  | 90            | 86  | 77     |
| 4.00                             | 106                                                 | 100 | 95        | 103 | 98  | 94  | 99  | 95            | 91  | 82     |
| 5.00                             | 108                                                 | 103 | 99        | 106 | 101 | 98  | 101 | 98            | 94  | 85     |
| ROOM INDEX                       | UF(total)                                           |     |           |     |     |     |     |               |     | Direct |
| According to DIN EN 13032-2 2004 |                                                     |     | Suspended |     |     |     |     | SHRNOM = 1.25 |     |        |

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:  
Test Date:2021-05-20

γ Range: 0 - 180DEG  
γ Interval: 2.0DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.00.428  
Humidity:65.0%  
Test Distance:7.250m [K=1.0000]  
Remarks:

# ISOCANDELA DIAGRAM

|                                                                                  |                  |                  |
|----------------------------------------------------------------------------------|------------------|------------------|
| Test:U:220.78V I:0.1666A P:35.334W PF:0.9604 Freq:50.01Hz Lamp Flux:3245.66x1 lm |                  |                  |
| NAME: LPB new 40w 1200x300 WH TC                                                 | TYPE:            | WEIGHT:          |
| SPEC.: 40W                                                                       | DIM.:            | SERIAL No.:      |
| MFR.:                                                                            | SUR.: 1155*255mm | Shielding Angle: |

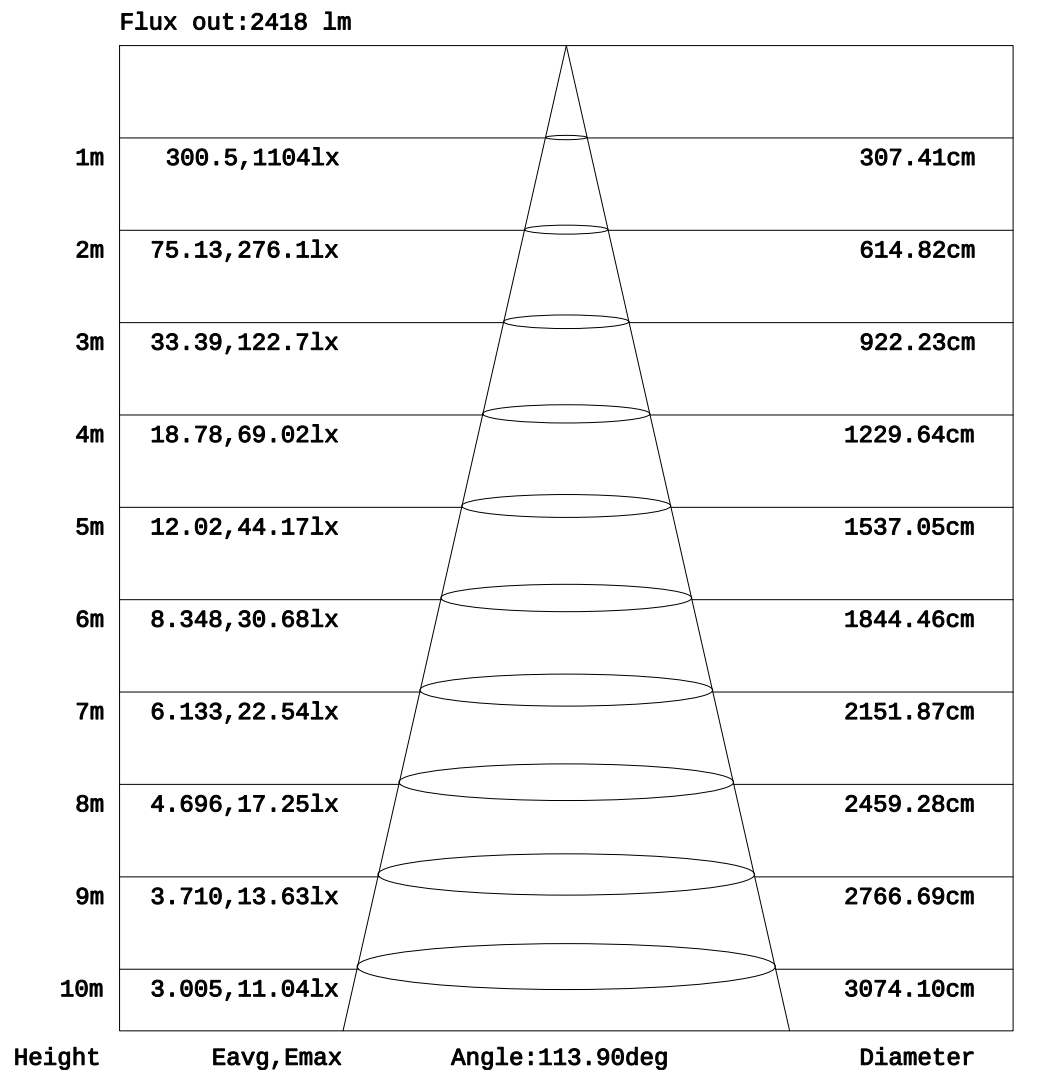


C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:  
Test Date:2021-05-20

γ Range: 0 - 180DEG  
γ Interval: 2.0DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.00.428  
Humidity:65.0%  
Test Distance:7.250m [K=1.0000]  
Remarks:

### AAI Figure

|                                                                                  |                  |                  |
|----------------------------------------------------------------------------------|------------------|------------------|
| Test:U:220.78V I:0.1666A P:35.334W PF:0.9604 Freq:50.01Hz Lamp Flux:3245.66x1 lm |                  |                  |
| NAME: LPB new 40w 1200x300 WH TC                                                 | TYPE:            | WEIGHT:          |
| SPEC.: 40W                                                                       | DIM.:            | SERIAL No.:      |
| MFR.:                                                                            | SUR.: 1155*255mm | Shielding Angle: |



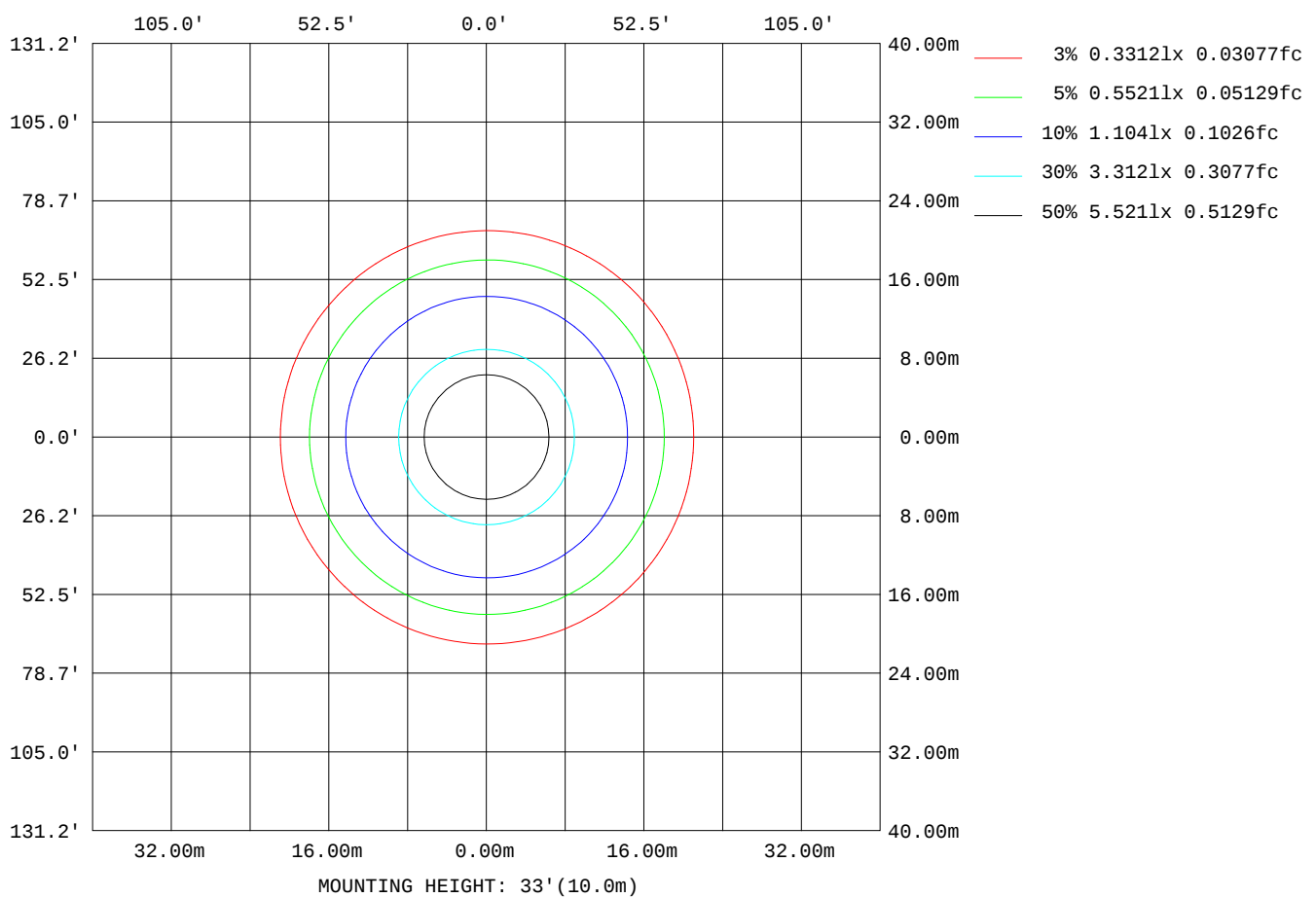
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:  
Test Date:2021-05-20

γ Range: 0 - 180DEG  
γ Interval: 2.0DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.00.428  
Humidity:65.0%  
Test Distance:7.250m [K=1.0000]  
Remarks:

# ISOLUX DIAGRAM

|                                                                                  |                  |                  |
|----------------------------------------------------------------------------------|------------------|------------------|
| Test:U:220.78V I:0.1666A P:35.334W PF:0.9604 Freq:50.01Hz Lamp Flux:3245.66x1 lm |                  |                  |
| NAME: LPB new 40w 1200x300 WH TC                                                 | TYPE:            | WEIGHT:          |
| SPEC.: 40W                                                                       | DIM.:            | SERIAL No.:      |
| MFR.:                                                                            | SUR.: 1155*255mm | Shielding Angle: |



C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:  
Test Date:2021-05-20

γ Range: 0 - 180DEG  
γ Interval: 2.0DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.00.428  
Humidity:65.0%  
Test Distance:7.250m [K=1.0000]  
Remarks:

### LED Avg.L Report

|                                                                                  |                  |                  |
|----------------------------------------------------------------------------------|------------------|------------------|
| Test:U:220.78V I:0.1666A P:35.334W PF:0.9604 Freq:50.01Hz Lamp Flux:3245.66x1 lm |                  |                  |
| NAME: LPB new 40w 1200x300 WH TC                                                 | TYPE:            | WEIGHT:          |
| SPEC.: 40W                                                                       | DIM.:            | SERIAL No.:      |
| MFR.:                                                                            | SUR.: 1155*255mm | Shielding Angle: |

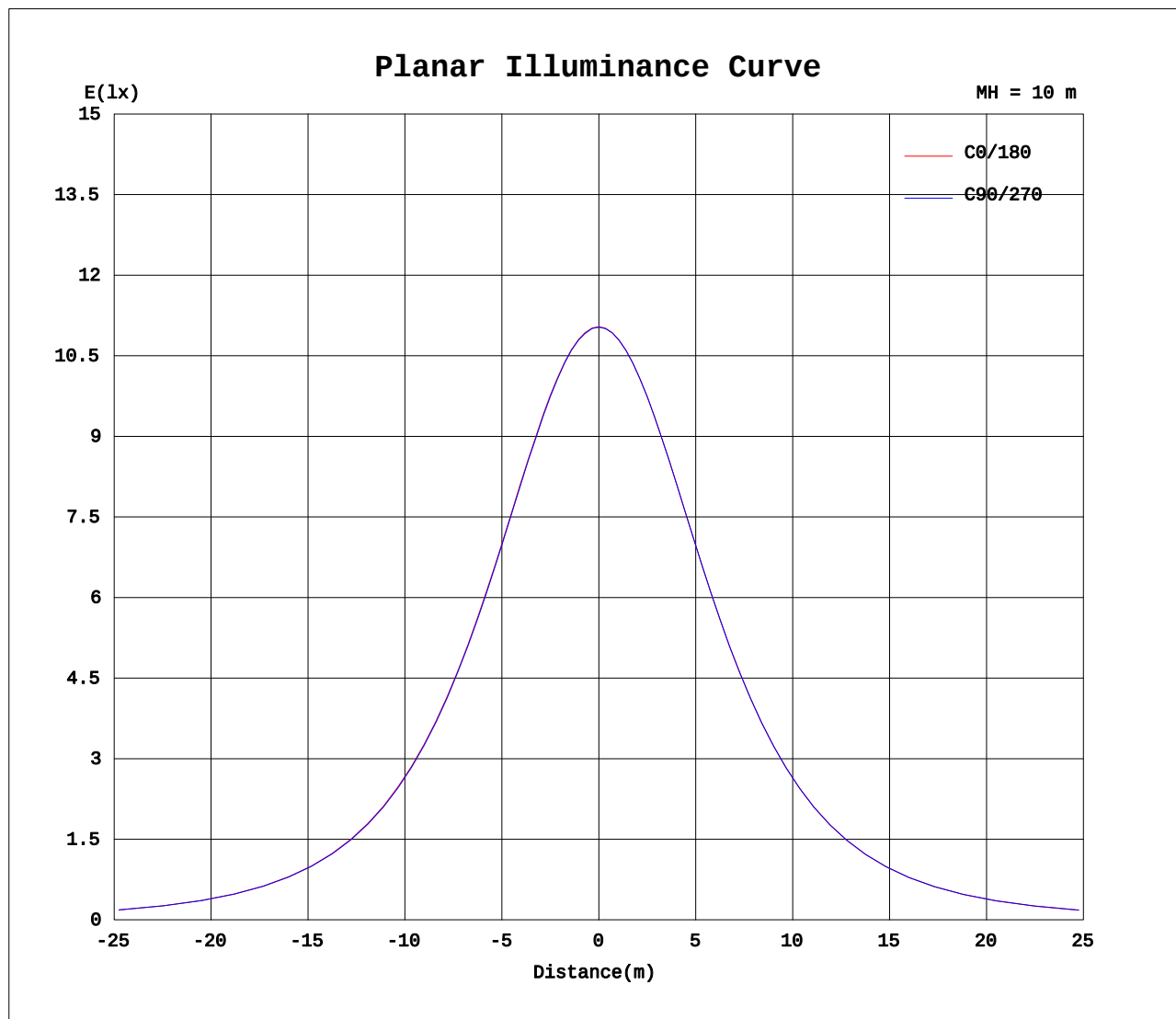
| AvgL           | cd/m2 |
|----------------|-------|
| L_0~180(65)av  | 3269  |
| L_0~180(75)av  | 2907  |
| L_0~180(85)av  | 2315  |
| L_90~270(65)av | 3277  |
| L_90~270(75)av | 2965  |
| L_90~270(85)av | 2432  |
| L_45(65)av     | 3272  |
| L_45(75)av     | 2932  |
| L_45(85)av     | 2321  |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:  
Test Date:2021-05-20

γ Range: 0 - 180DEG  
γ Interval: 2.0DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.00.428  
Humidity:65.0%  
Test Distance:7.250m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature: 25DEG  
 Operators:  
 Test Date: 2021-05-20

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 2.0DEG  
 Test System: EVERFINE G0-2000B\_V1 SYSTEM V2.00.428  
 Humidity: 65.0%  
 Test Distance: 7.250m [K=1.0000]  
 Remarks:

# LUMINOUS DISTRIBUTION INTENSITY DATA

|                                                                                  |                  |                  |
|----------------------------------------------------------------------------------|------------------|------------------|
| Test:U:220.78V I:0.1666A P:35.334W PF:0.9604 Freq:50.01Hz Lamp Flux:3245.66x1 lm |                  |                  |
| NAME: LPB new 40w 1200x300 WH TC                                                 | TYPE:            | WEIGHT:          |
| SPEC.: 40W                                                                       | DIM.:            | SERIAL No.:      |
| MFR.:                                                                            | SUR.: 1155*255mm | Shielding Angle: |

Table--1

UNIT: cd

| C(DEG)<br>γ (DEG) | 0    | 45   | 90   | 135  | 180  | 225  | 270  | 315  |  |  |  |  |  |  |  |  |  |  |
|-------------------|------|------|------|------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|
| 0                 | 1104 | 1104 | 1103 | 1103 | 1104 | 1104 | 1103 | 1103 |  |  |  |  |  |  |  |  |  |  |
| 5                 | 1102 | 1102 | 1100 | 1100 | 1101 | 1101 | 1101 | 1101 |  |  |  |  |  |  |  |  |  |  |
| 10                | 1087 | 1087 | 1085 | 1083 | 1084 | 1083 | 1085 | 1086 |  |  |  |  |  |  |  |  |  |  |
| 15                | 1070 | 1070 | 1067 | 1066 | 1067 | 1065 | 1067 | 1069 |  |  |  |  |  |  |  |  |  |  |
| 20                | 1033 | 1034 | 1031 | 1027 | 1029 | 1027 | 1029 | 1033 |  |  |  |  |  |  |  |  |  |  |
| 25                | 1002 | 1003 | 998  | 995  | 996  | 995  | 997  | 1001 |  |  |  |  |  |  |  |  |  |  |
| 30                | 945  | 945  | 941  | 938  | 939  | 937  | 940  | 944  |  |  |  |  |  |  |  |  |  |  |
| 35                | 900  | 901  | 896  | 892  | 893  | 890  | 894  | 899  |  |  |  |  |  |  |  |  |  |  |
| 40                | 824  | 825  | 820  | 816  | 818  | 814  | 818  | 824  |  |  |  |  |  |  |  |  |  |  |
| 45                | 768  | 770  | 763  | 760  | 761  | 757  | 761  | 768  |  |  |  |  |  |  |  |  |  |  |
| 50                | 676  | 678  | 671  | 667  | 668  | 664  | 668  | 676  |  |  |  |  |  |  |  |  |  |  |
| 55                | 609  | 611  | 605  | 600  | 601  | 596  | 602  | 610  |  |  |  |  |  |  |  |  |  |  |
| 60                | 504  | 506  | 501  | 495  | 495  | 490  | 497  | 505  |  |  |  |  |  |  |  |  |  |  |
| 65                | 430  | 433  | 429  | 422  | 421  | 417  | 424  | 431  |  |  |  |  |  |  |  |  |  |  |
| 70                | 318  | 322  | 318  | 311  | 309  | 305  | 314  | 320  |  |  |  |  |  |  |  |  |  |  |
| 75                | 244  | 249  | 246  | 239  | 235  | 232  | 242  | 246  |  |  |  |  |  |  |  |  |  |  |
| 80                | 139  | 144  | 143  | 135  | 132  | 128  | 138  | 141  |  |  |  |  |  |  |  |  |  |  |
| 85                | 77.1 | 80.2 | 79.9 | 72.1 | 70.4 | 66.5 | 74.7 | 77.8 |  |  |  |  |  |  |  |  |  |  |
| 90                | 3.77 | 5.23 | 5.46 | 3.68 | 1.50 | 1.29 | 3.24 | 5.16 |  |  |  |  |  |  |  |  |  |  |
| 95                | 2.23 | 2.19 | 2.08 | 2.23 | 1.42 | 1.29 | 1.25 | 1.32 |  |  |  |  |  |  |  |  |  |  |
| 100               | 2.61 | 2.57 | 2.46 | 2.59 | 1.74 | 1.63 | 1.56 | 1.64 |  |  |  |  |  |  |  |  |  |  |
| 105               | 2.86 | 2.83 | 2.73 | 2.84 | 1.97 | 1.81 | 1.78 | 1.84 |  |  |  |  |  |  |  |  |  |  |
| 110               | 3.23 | 3.21 | 3.13 | 3.22 | 2.27 | 2.14 | 2.13 | 2.17 |  |  |  |  |  |  |  |  |  |  |
| 115               | 3.47 | 3.47 | 3.38 | 3.47 | 2.47 | 2.34 | 2.35 | 2.38 |  |  |  |  |  |  |  |  |  |  |
| 120               | 3.84 | 3.82 | 3.77 | 3.82 | 2.80 | 2.65 | 2.68 | 2.68 |  |  |  |  |  |  |  |  |  |  |
| 125               | 4.06 | 4.05 | 4.01 | 4.04 | 3.01 | 2.87 | 2.89 | 2.90 |  |  |  |  |  |  |  |  |  |  |
| 130               | 4.36 | 4.40 | 4.37 | 4.38 | 3.33 | 3.25 | 3.20 | 3.25 |  |  |  |  |  |  |  |  |  |  |
| 135               | 4.56 | 4.63 | 4.59 | 4.61 | 3.56 | 3.51 | 3.42 | 3.45 |  |  |  |  |  |  |  |  |  |  |
| 140               | 4.80 | 4.93 | 4.89 | 4.94 | 3.94 | 3.90 | 3.81 | 3.79 |  |  |  |  |  |  |  |  |  |  |
| 145               | 4.95 | 5.10 | 5.07 | 5.14 | 4.23 | 4.20 | 4.10 | 4.07 |  |  |  |  |  |  |  |  |  |  |
| 150               | 5.18 | 5.34 | 5.31 | 5.39 | 4.60 | 4.64 | 4.55 | 4.47 |  |  |  |  |  |  |  |  |  |  |
| 155               | 5.37 | 5.52 | 5.51 | 5.56 | 4.82 | 4.90 | 4.81 | 4.69 |  |  |  |  |  |  |  |  |  |  |
| 160               | 5.53 | 5.71 | 5.76 | 5.73 | 5.12 | 5.24 | 5.21 | 5.03 |  |  |  |  |  |  |  |  |  |  |
| 165               | 5.64 | 5.81 | 5.89 | 5.80 | 5.28 | 5.41 | 5.41 | 5.18 |  |  |  |  |  |  |  |  |  |  |
| 170               | 5.74 | 5.92 | 6.03 | 5.83 | 5.54 | 5.65 | 5.77 | 5.47 |  |  |  |  |  |  |  |  |  |  |
| 175               | 5.78 | 5.91 | 6.11 | 5.79 | 5.64 | 5.76 | 5.93 | 5.58 |  |  |  |  |  |  |  |  |  |  |
| 180               | 5.77 | 5.88 | 6.04 | 5.75 | 5.75 | 5.94 | 6.04 | 5.72 |  |  |  |  |  |  |  |  |  |  |

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:  
Test Date:2021-05-20

γ Range: 0 - 180DEG  
γ Interval: 2.0DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.00.428  
Humidity:65.0%  
Test Distance:7.250m [K=1.0000]  
Remarks: