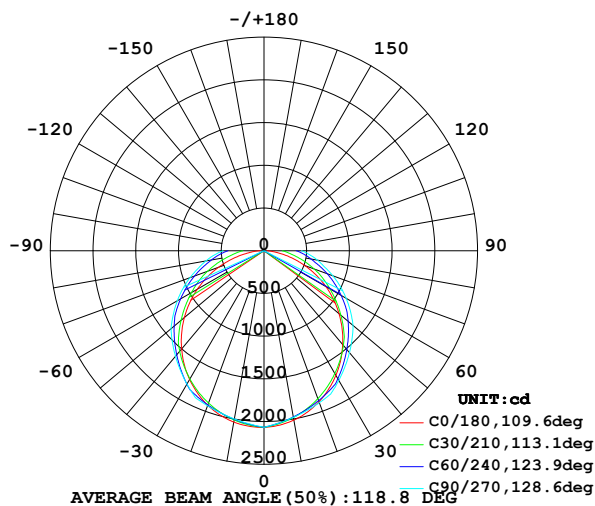


## LUMINAIRE PHOTOMETRIC TEST REPORT

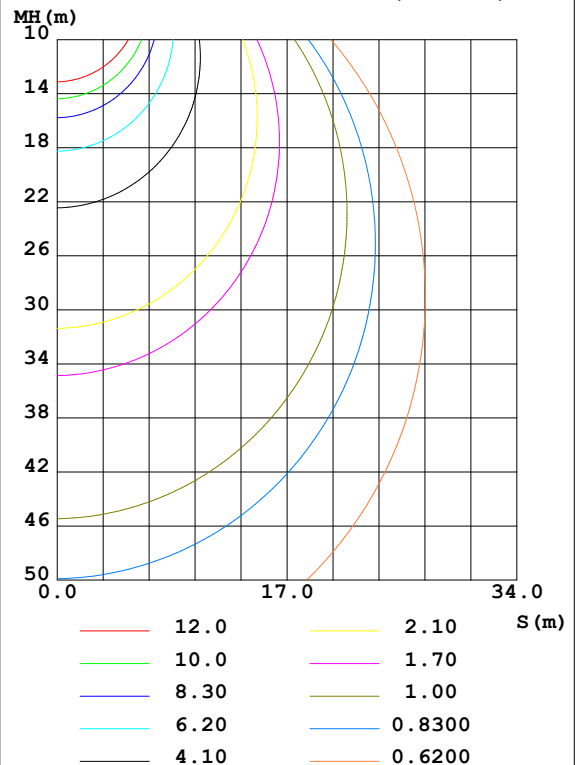
|   |              |                   |
|---|--------------|-------------------|
| Test:U:120.2V I:0.3935A P:47.01W PF:0.9938 Lamp Flux:3301.63x2 lm |              |                   |
| NAME: LOC-4FTVT-MW(25/35/50)MCCT(35/40/50)                        | TYPE:LED     | WEIGHT:           |
| SPEC.:  | DIM.:        | SERIAL No.:       |
| MFR.:   | SUR.:1200*13 | PROTECTION ANGLE: |

| DATA OF LAMP      |         | PHOTOMETRIC DATA Eff: 140.48 lm/W            |        |   |           |
|-------------------|---------|--|--------|---|-----------|
| MODEL             | 4000K   | I <sub>max</sub> (cd)                        | 2067   | S/MH (C0/180)   | 1.25      |
| NOMINAL POWER (W) | 50      | LOR (%)                                      | 100.0  | S/MH (C90/270)  | 1.30      |
| RATED VOLTAGE (V) | 120-277 | TOTAL FLUX (lm)                              | 6603.3 | <input checked="" type="checkbox"/> UP, DN (C0-180)   | 0.0, 49.1 |
| NOMINAL FLUX (lm) | 3301.63 | CIE CLASS                                    | DIRECT | <input checked="" type="checkbox"/> UP, DN (C180-360) | 0.0, 50.9 |
| LAMPS INSIDE      | 2       | <input checked="" type="checkbox"/> up (%)   | 0.0    | CIBSE SHR NOM   | 1.25      |
| TEST VOLTAGE (V)  | 120     | <input checked="" type="checkbox"/> down (%) | 100.0  | CIBSE SHR MAX   | 1.35      |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2020-08-18

☒ Range: 0 - 90DEG  
☒ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.290  
 Humidity:65.0%  
 Test Distance:8.600m [K=1.0000]  
 Remarks:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

| $\gamma$ | C0                    | C45   | C90   | C135  | C180  | C225  | C270  | C315  | $\gamma$ | $\Phi$ zone | $\Phi$ total | $\%lum, lamp$ |
|----------|-----------------------|-------|-------|-------|-------|-------|-------|-------|----------|-------------|--------------|---------------|
| 5        | 2050                  | 2027  | 2023  | 2035  | 2061  | 2042  | 2033  | 2033  | 0- 5     | 48.95       | 48.95        | 0.74,0.74     |
| 10       | 2013                  | 1977  | 1980  | 1992  | 2036  | 2006  | 1999  | 1990  | 5- 10    | 144.2       | 193.1        | 2.92,2.92     |
| 15       | 1957                  | 1918  | 1936  | 1940  | 1990  | 1961  | 1966  | 1938  | 10- 15   | 233.8       | 427.0        | 6.47,6.47     |
| 20       | 1882                  | 1851  | 1893  | 1878  | 1925  | 1907  | 1932  | 1877  | 15- 20   | 316.0       | 742.9        | 11.3,11.3     |
| 25       | 1789                  | 1778  | 1850  | 1809  | 1841  | 1845  | 1898  | 1809  | 20- 25   | 389.0       | 1132         | 17.1,17.1     |
| 30       | 1684                  | 1699  | 1752  | 1733  | 1741  | 1776  | 1803  | 1735  | 25- 30   | 449.9       | 1582         | 24,24         |
| 35       | 1565                  | 1602  | 1654  | 1639  | 1627  | 1687  | 1707  | 1642  | 30- 35   | 494.8       | 2077         | 31.4,31.4     |
| 40       | 1434                  | 1476  | 1556  | 1514  | 1500  | 1564  | 1612  | 1515  | 35- 40   | 524.2       | 2601         | 39.4,39.4     |
| 45       | 1294                  | 1349  | 1459  | 1387  | 1363  | 1440  | 1516  | 1388  | 40- 45   | 538.7       | 3139         | 47.5,47.5     |
| 50       | 1147                  | 1223  | 1361  | 1260  | 1218  | 1315  | 1421  | 1261  | 45- 50   | 539.0       | 3678         | 55.7,55.7     |
| 55       | 993.2                 | 1099  | 1235  | 1135  | 1062  | 1192  | 1296  | 1136  | 50- 55   | 524.9       | 4203         | 63.7,63.7     |
| 60       | 835.1                 | 976.1 | 1110  | 1009  | 900.8 | 1068  | 1171  | 1012  | 55- 60   | 495.8       | 4699         | 71.2,71.2     |
| 65       | 673.4                 | 841.4 | 984.2 | 868.2 | 734.5 | 927.5 | 1047  | 874.2 | 60- 65   | 454.5       | 5154         | 78,78         |
| 70       | 509.9                 | 712.2 | 858.6 | 732.9 | 565.9 | 791.7 | 922.0 | 742.3 | 65- 70   | 403.6       | 5557         | 84.2,84.2     |
| 75       | 351.4                 | 589.4 | 733.0 | 603.3 | 399.6 | 661.5 | 797.4 | 616.3 | 70- 75   | 345.9       | 5903         | 89.4,89.4     |
| 80       | 206.2                 | 475.7 | 635.3 | 483.6 | 245.0 | 539.7 | 691.7 | 499.2 | 75- 80   | 286.4       | 6190         | 93.7,93.7     |
| 85       | 93.97                 | 389.0 | 537.5 | 393.5 | 121.7 | 441.1 | 586.0 | 403.9 | 80- 85   | 231.4       | 6421         | 97.2,97.2     |
| 90       | 38.50                 | 306.2 | 439.8 | 307.1 | 46.68 | 346.5 | 480.3 | 312.8 | 85- 90   | 182.3       | 6603         | 100,100       |
| 95       |                       |       |       |       |       |       |       |       | 90- 95   |             |              |               |
| 100      |                       |       |       |       |       |       |       |       | 95-100   |             |              |               |
| 105      |                       |       |       |       |       |       |       |       | 100-105  |             |              |               |
| 110      |                       |       |       |       |       |       |       |       | 105-110  |             |              |               |
| 115      |                       |       |       |       |       |       |       |       | 110-115  |             |              |               |
| 120      |                       |       |       |       |       |       |       |       | 115-120  |             |              |               |
| 125      |                       |       |       |       |       |       |       |       | 120-125  |             |              |               |
| 130      |                       |       |       |       |       |       |       |       | 125-130  |             |              |               |
| 135      |                       |       |       |       |       |       |       |       | 130-135  |             |              |               |
| 140      |                       |       |       |       |       |       |       |       | 135-140  |             |              |               |
| 145      |                       |       |       |       |       |       |       |       | 140-145  |             |              |               |
| 150      |                       |       |       |       |       |       |       |       | 145-150  |             |              |               |
| 155      |                       |       |       |       |       |       |       |       | 150-155  |             |              |               |
| 160      |                       |       |       |       |       |       |       |       | 155-160  |             |              |               |
| 165      |                       |       |       |       |       |       |       |       | 160-165  |             |              |               |
| 170      |                       |       |       |       |       |       |       |       | 165-170  |             |              |               |
| 175      |                       |       |       |       |       |       |       |       | 170-175  |             |              |               |
| 180      |                       |       |       |       |       |       |       |       | 175-180  |             |              |               |
| DEG      | LUMINOUS INTENSITY:cd |       |       |       |       |       |       |       |          | UNIT:lm     |              |               |

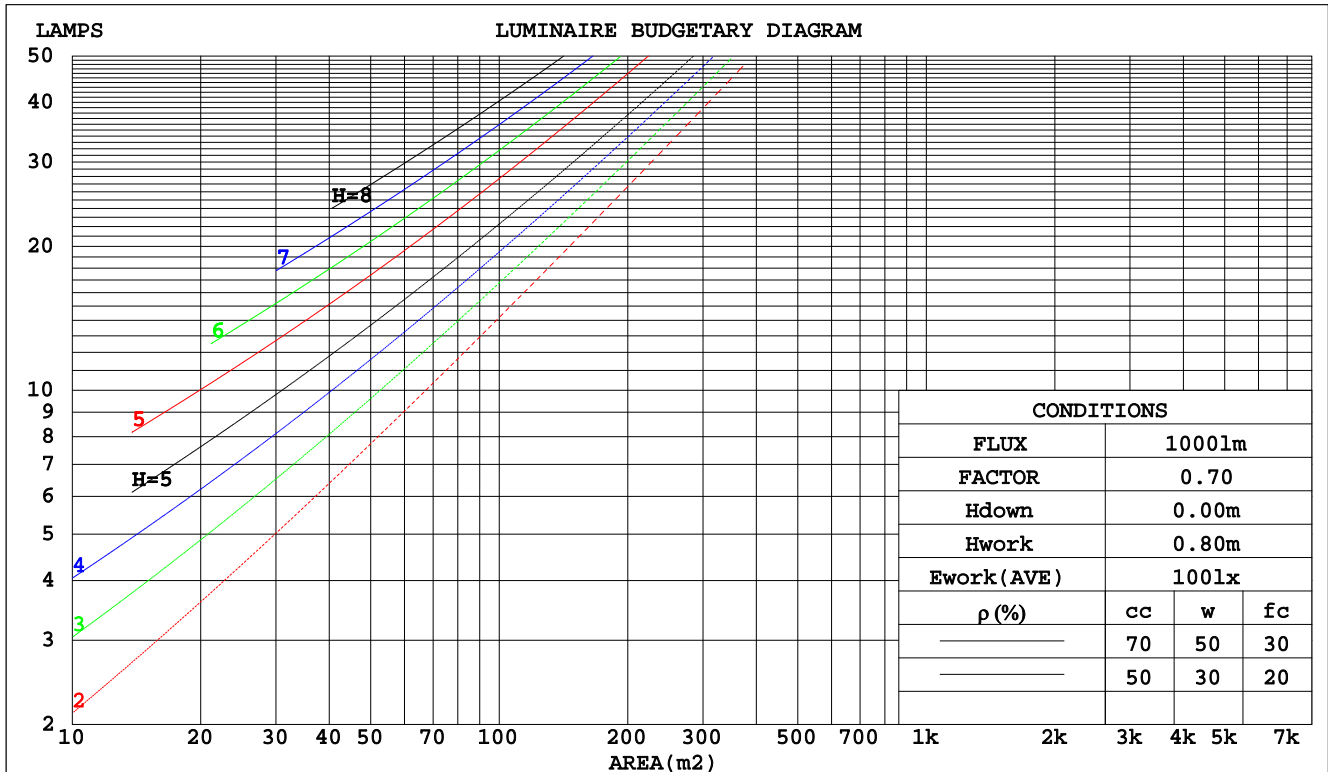
C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2020-08-18

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.290  
 Humidity:65.0%  
 Test Distance:8.600m [K=1.0000]  
 Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|   |              |                   |
|---|--------------|-------------------|
| Test:U:120.2V I:0.3935A P:47.01W PF:0.9938 Lamp Flux:3301.63x2 lm |              |                   |
| NAME: G2VP4-25/35/50/D10/U/35-40-50                               | TYPE:LED     | WEIGHT:           |
| SPEC.:  | DIM.:        | SERIAL No.:       |
| MFR.:   | SUR.:1200*13 | PROTECTION ANGLE: |

| pcc  | 80%                   |      |      | 70%  |      |      | 50%                             |      |      | 30%  |      |      | 10%  |      |      | 0    |
|------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|------|------|------|------|
| pw   | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%                             | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0    |
| pfc  | 20%                   |      |      | 20%  |      |      | 20%                             |      |      | 20%  |      |      | 20%  |      |      | 0    |
| RCR  | RCR:Room Cavity Ratio |      |      |      |      |      | Coefficients of Utilization(CU) |      |      |      |      |      |      |      |      |      |
| 0.0  | 1.19                  | 1.19 | 1.19 | 1.16 | 1.16 | 1.16 | 1.11                            | 1.11 | 1.11 | 1.06 | 1.06 | 1.06 | 1.02 | 1.02 | 1.02 | 1.00 |
| 1.0  | 1.01                  | .96  | .91  | .98  | .94  | .89  | .94                             | .90  | .87  | .90  | .87  | .84  | .86  | .84  | .81  | .79  |
| 2.0  | .87                   | .79  | .72  | .85  | .78  | .72  | .81                             | .75  | .70  | .78  | .73  | .68  | .75  | .70  | .67  | .64  |
| 3.0  | .76                   | .67  | .59  | .74  | .66  | .59  | .71                             | .64  | .58  | .68  | .62  | .57  | .65  | .60  | .56  | .53  |
| 4.0  | .67                   | .57  | .50  | .65  | .56  | .49  | .63                             | .55  | .49  | .60  | .53  | .48  | .58  | .52  | .47  | .45  |
| 5.0  | .59                   | .50  | .43  | .58  | .49  | .42  | .56                             | .48  | .42  | .54  | .47  | .41  | .52  | .46  | .41  | .39  |
| 6.0  | .53                   | .44  | .37  | .52  | .43  | .37  | .50                             | .42  | .37  | .49  | .42  | .36  | .47  | .41  | .36  | .34  |
| 7.0  | .48                   | .39  | .33  | .47  | .39  | .32  | .46                             | .38  | .32  | .44  | .37  | .32  | .43  | .37  | .32  | .30  |
| 8.0  | .44                   | .35  | .29  | .43  | .35  | .29  | .42                             | .34  | .29  | .41  | .34  | .29  | .39  | .33  | .28  | .26  |
| 9.0  | .40                   | .32  | .26  | .40  | .32  | .26  | .39                             | .31  | .26  | .37  | .31  | .26  | .36  | .30  | .26  | .24  |
| 10.0 | .37                   | .29  | .24  | .37  | .29  | .24  | .36                             | .28  | .23  | .35  | .28  | .23  | .34  | .28  | .23  | .21  |



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2020-08-18

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.290  
 Humidity: 65.0%  
 Test Distance: 8.600m [K=1.0000]  
 Remarks:

## WEC AND CCEC

|   |              |                   |
|---|--------------|-------------------|
| Test:U:120.2V I:0.3935A P:47.01W PF:0.9938 Lamp Flux:3301.63x2 lm |              |                   |
| NAME: G2VP4-25/35/50/D10/U/35-40-50                               | TYPE:LED     | WEIGHT:           |
| SPEC.:  | DIM.:        | SERIAL No.:       |
| MFR.:   | SUR.:1200*13 | PROTECTION ANGLE: |

| pcc  | 80%                   |      |      | 70%  |      |      | 50%                             |      |      | 30%  |      |      | 10%  |      |      | 0 |  |
|------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|------|------|------|---|--|
| pw   | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%                             | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |  |
| pfc  | 20%                   |      |      | 20%  |      |      | 20%                             |      |      | 20%  |      |      | 20%  |      |      | 0 |  |
| RCR  | RCR:Room Cavity Ratio |      |      |      |      |      | Wall Exitance Coefficients(WEC) |      |      |      |      |      |      |      |      |   |  |
| 0.0  |                       |      |      |      |      |      |                                 |      |      |      |      |      |      |      |      |   |  |
| 1.0  | .370                  | .211 | .067 | .363 | .207 | .066 | .350                            | .201 | .064 | .337 | .194 | .062 | .326 | .189 | .061 |   |  |
| 2.0  | .328                  | .180 | .055 | .322 | .177 | .055 | .309                            | .172 | .053 | .298 | .167 | .052 | .288 | .163 | .051 |   |  |
| 3.0  | .295                  | .157 | .047 | .289 | .155 | .047 | .278                            | .151 | .046 | .268 | .147 | .045 | .259 | .144 | .044 |   |  |
| 4.0  | .267                  | .139 | .041 | .262 | .137 | .041 | .252                            | .134 | .040 | .244 | .131 | .039 | .236 | .128 | .039 |   |  |
| 5.0  | .244                  | .124 | .036 | .239 | .123 | .036 | .231                            | .120 | .035 | .223 | .118 | .035 | .216 | .115 | .035 |   |  |
| 6.0  | .224                  | .112 | .032 | .220 | .111 | .032 | .213                            | .109 | .032 | .206 | .107 | .031 | .199 | .105 | .031 |   |  |
| 7.0  | .207                  | .102 | .029 | .204 | .101 | .029 | .197                            | .100 | .029 | .191 | .098 | .028 | .185 | .096 | .028 |   |  |
| 8.0  | .192                  | .094 | .026 | .189 | .093 | .026 | .183                            | .092 | .026 | .178 | .090 | .026 | .173 | .089 | .026 |   |  |
| 9.0  | .180                  | .087 | .024 | .177 | .086 | .024 | .171                            | .085 | .024 | .166 | .083 | .024 | .162 | .082 | .024 |   |  |
| 10.0 | .168                  | .081 | .022 | .166 | .080 | .022 | .161                            | .079 | .022 | .156 | .078 | .022 | .152 | .077 | .022 |   |  |

| pcc  | 80%                   |      |      | 70%  |      |      | 50%  |      |      | 30%  |      |      | 10%  |      |      | 0 |
|------|-----------------------|------|------|------|------|------|--|------|------|------|------|------|------|------|------|---|
| pw   | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |
| pfc  | 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  | .184                  | .156 | .130 | .158 | .134 | .112 | .108                                       | .092 | .077 | .062 | .053 | .045 | .020 | .017 | .015 |   |
| 2.0  | .177                  | .132 | .094 | .152 | .113 | .081 | .104                                       | .078 | .056 | .060 | .046 | .033 | .019 | .015 | .011 |   |
| 3.0  | .169                  | .114 | .071 | .145 | .099 | .061 | .100                                       | .069 | .043 | .058 | .040 | .025 | .018 | .013 | .008 |   |
| 4.0  | .161                  | .101 | .056 | .138 | .088 | .048 | .095                                       | .061 | .034 | .055 | .036 | .020 | .018 | .012 | .007 |   |
| 5.0  | .153                  | .091 | .045 | .132 | .079 | .039 | .091                                       | .055 | .028 | .053 | .032 | .016 | .017 | .011 | .005 |   |
| 6.0  | .146                  | .083 | .038 | .125 | .072 | .033 | .086                                       | .050 | .023 | .050 | .030 | .014 | .016 | .010 | .005 |   |
| 7.0  | .139                  | .076 | .032 | .119 | .066 | .028 | .082                                       | .046 | .020 | .048 | .027 | .012 | .015 | .009 | .004 |   |
| 8.0  | .132                  | .070 | .028 | .113 | .061 | .024 | .078                                       | .043 | .017 | .046 | .025 | .010 | .015 | .008 | .003 |   |
| 9.0  | .125                  | .065 | .025 | .108 | .057 | .021 | .075                                       | .040 | .015 | .044 | .023 | .009 | .014 | .008 | .003 |   |
| 10.0 | .119                  | .061 | .022 | .103 | .053 | .019 | .071                                       | .037 | .014 | .042 | .022 | .008 | .013 | .007 | .003 |   |

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2020-08-18

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.290  
 Humidity:65.0%  
 Test Distance:8.600m [K=1.0000]  
 Remarks:

## UGR(Unified Glare Rating) Table

|   |     |                  |      |      |              |      |                |                   |      |      |      |
|---|-----|------------------|------|------|--------------|------|----------------|-------------------|------|------|------|
| Test:U:120.2V I:0.3935A P:47.01W PF:0.9938 Lamp Flux:3301.63x2 lm |     |                  |      |      |              |      |                |                   |      |      |      |
| NAME: G2VP4-25/35/50/D10/U/35-40-50                               |     |                  |      |      | TYPE:LED     |      |                | WEIGHT:           |      |      |      |
| SPEC.:  |     |                  |      |      | DIM.:        |      |                | SERIAL No.:       |      |      |      |
| MFR.:   |     |                  |      |      | SUR.:1200*13 |      |                | PROTECTION ANGLE: |      |      |      |
|   |     |                  |      |      |              |      |                |                   |      |      |      |
| ceiling/cavity  | 0.7 | 0.7              | 0.5  | 0.5  | 0.3          | 0.7  | 0.7            | 0.5               | 0.5  | 0.3  |      |
| walls   | 0.5 | 0.3              | 0.5  | 0.3  | 0.3          | 0.5  | 0.3            | 0.5               | 0.3  | 0.3  |      |
| working plane   | 0.2 | 0.2              | 0.2  | 0.2  | 0.2          | 0.2  | 0.2            | 0.2               | 0.2  | 0.2  |      |
| Room dimensions   |     | Viewed crosswise |      |      |              |      | Viewed endwise |                   |      |      |      |
| x = 2H y = 2H   |     | 20.7             | 22.3 | 21.0 | 22.5         | 22.7 | 22.0           | 23.6              | 22.3 | 23.8 | 24.0 |
| 3H  |     | 22.2             | 23.7 | 22.5 | 23.9         | 24.1 | 24.2           | 25.7              | 24.5 | 26.0 | 26.2 |
| 4H  |     | 22.7             | 24.2 | 23.1 | 24.4         | 24.7 | 25.4           | 26.8              | 25.7 | 27.1 | 27.3 |
| 6H  |     | 23.2             | 24.5 | 23.5 | 24.8         | 25.1 | 26.6           | 28.0              | 27.0 | 28.3 | 28.6 |
| 8H  |     | 23.3             | 24.6 | 23.6 | 24.9         | 25.2 | 27.3           | 28.6              | 27.7 | 28.9 | 29.2 |
| 12H   |     | 23.4             | 24.6 | 23.7 | 24.9         | 25.2 | 28.1           | 29.4              | 28.5 | 29.7 | 30.0 |
| 4H 2H   |     | 21.6             | 23.0 | 21.9 | 23.3         | 23.6 | 22.6           | 24.0              | 22.9 | 24.3 | 24.5 |
| 3H  |     | 23.3             | 24.6 | 23.7 | 24.9         | 25.2 | 25.0           | 26.3              | 25.4 | 26.6 | 26.9 |
| 4H  |     | 24.1             | 25.3 | 24.5 | 25.6         | 25.9 | 26.4           | 27.6              | 26.8 | 27.9 | 28.2 |
| 6H  |     | 24.7             | 25.7 | 25.1 | 26.1         | 26.5 | 27.9           | 28.9              | 28.3 | 29.3 | 29.7 |
| 8H  |     | 24.9             | 25.9 | 25.3 | 26.2         | 26.6 | 28.7           | 29.7              | 29.1 | 30.1 | 30.4 |
| 12H   |     | 25.0             | 25.9 | 25.5 | 26.3         | 26.7 | 29.6           | 30.5              | 30.1 | 30.9 | 31.3 |
| 8H 4H   |     | 24.8             | 25.8 | 25.2 | 26.2         | 26.6 | 26.7           | 27.7              | 27.1 | 28.1 | 28.5 |
| 6H  |     | 25.7             | 26.6 | 26.2 | 27.0         | 27.4 | 28.5           | 29.3              | 28.9 | 29.7 | 30.2 |
| 8H  |     | 26.1             | 26.9 | 26.6 | 27.3         | 27.7 | 29.5           | 30.3              | 30.0 | 30.7 | 31.2 |
| 12H   |     | 26.4             | 27.1 | 26.9 | 27.5         | 28.0 | 30.7           | 31.4              | 31.2 | 31.8 | 32.3 |
| 12H 4H  |     | 25.0             | 25.9 | 25.5 | 26.3         | 26.7 | 26.8           | 27.7              | 27.2 | 28.1 | 28.5 |
| 6H  |     | 26.1             | 26.8 | 26.6 | 27.3         | 27.7 | 28.6           | 29.4              | 29.1 | 29.8 | 30.3 |
| 8H  |     | 26.6             | 27.3 | 27.1 | 27.7         | 28.2 | 29.8           | 30.4              | 30.2 | 30.9 | 31.3 |
| Variations with the observer position at spacings:                |     |                  |      |      |              |      |                |                   |      |      |      |
| S = 1.0H  |     | + 0.1 / - 0.1    |      |      |              |      | + 0.1 / - 0.1  |                   |      |      |      |
| 1.5H  |     | + 0.1 / - 0.2    |      |      |              |      | + 0.2 / - 0.3  |                   |      |      |      |
| 2.0H  |     | + 0.1 / - 0.3    |      |      |              |      | + 0.2 / - 0.3  |                   |      |      |      |

CIE Pub.117 Corrected 6603 lm Total Lamp Luminous Flux.(8log(F/F0) = 6.6)

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2020-08-18

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.290  
 Humidity:65.0%  
 Test Distance:8.600m [K=1.0000]  
 Remarks:

## UTILIZATION FACTORS TABLE

|   |              |                   |
|---|--------------|-------------------|
| Test:U:120.2V I:0.3935A P:47.01W PF:0.9938 Lamp Flux:3301.63x2 lm |              |                   |
| NAME: G2VP4-25/35/50/D10/U/35-40-50                               | TYPE:LED     | WEIGHT:           |
| SPEC.:  | DIM.:        | SERIAL No.:       |
| MFR.:   | SUR.:1200*13 | PROTECTION ANGLE: |

| REFLECTANCE                      |   |     |           |     |     |     |     |               |     |        |
|----------------------------------|---|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling                          | 0.8   | 0.8 | 0.8       | 0.7 | 0.7 | 0.7 | 0.5 | 0.5           | 0.5 | 0      |
| Walls                            | 0.7   | 0.5 | 0.3       | 0.7 | 0.5 | 0.3 | 0.7 | 0.5           | 0.3 | 0      |
| Working plane                    | 0.2   | 0.2 | 0.2       | 0.2 | 0.2 | 0.2 | 0.2 | 0.2           | 0.2 | 0      |
| ROOM INDEX                       | UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$ |     |           |     |     |     |     |               |     |        |
| k = 0.60                         | 55  | 43  | 35        | 54  | 42  | 35  | 53  | 42            | 35  | 28     |
| 0.80                             | 64  | 52  | 44        | 63  | 52  | 44  | 62  | 51            | 44  | 36     |
| 1.00                             | 73  | 61  | 53        | 71  | 60  | 52  | 69  | 62            | 52  | 44     |
| 1.25                             | 80  | 68  | 60        | 78  | 67  | 60  | 75  | 66            | 59  | 51     |
| 1.50                             | 85  | 74  | 66        | 83  | 73  | 65  | 80  | 71            | 64  | 56     |
| 2.00                             | 92  | 82  | 75        | 90  | 81  | 74  | 86  | 78            | 72  | 64     |
| 2.50                             | 96  | 87  | 80        | 94  | 85  | 79  | 90  | 83            | 77  | 68     |
| 3.00                             | 99  | 91  | 85        | 97  | 90  | 84  | 93  | 87            | 82  | 73     |
| 4.00                             | 104   | 97  | 91        | 101 | 95  | 90  | 97  | 92            | 87  | 78     |
| 5.00                             | 106   | 100 | 96        | 104 | 99  | 94  | 99  | 95            | 91  | 81     |
| ROOM INDEX                       | UF(total)   |     |           |     |     |     |     |               |     | Direct |
| According to DIN EN 13032-2 2004 |   |     | Suspended |     |     |     |     | SHRNOM = 1.25 |     |        |

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2020-08-18

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.290  
 Humidity:65.0%  
 Test Distance:8.600m [K=1.0000]  
 Remarks:

## ISOCANDELA DIAGRAM

|   |              |                   |
|---|--------------|-------------------|
| Test:U:120.2V I:0.3935A P:47.01W PF:0.9938 Lamp Flux:3301.63x2 lm |              |                   |
| NAME: G2VP4-25/35/50/D10/U/35-40-50                               | TYPE:LED     | WEIGHT:           |
| SPEC.:  | DIM.:        | SERIAL No.:       |
| MFR.:   | SUR.:1200*13 | PROTECTION ANGLE: |

Conical surface Flux(90deg):

3139.5 lm

%lum = 47.5%

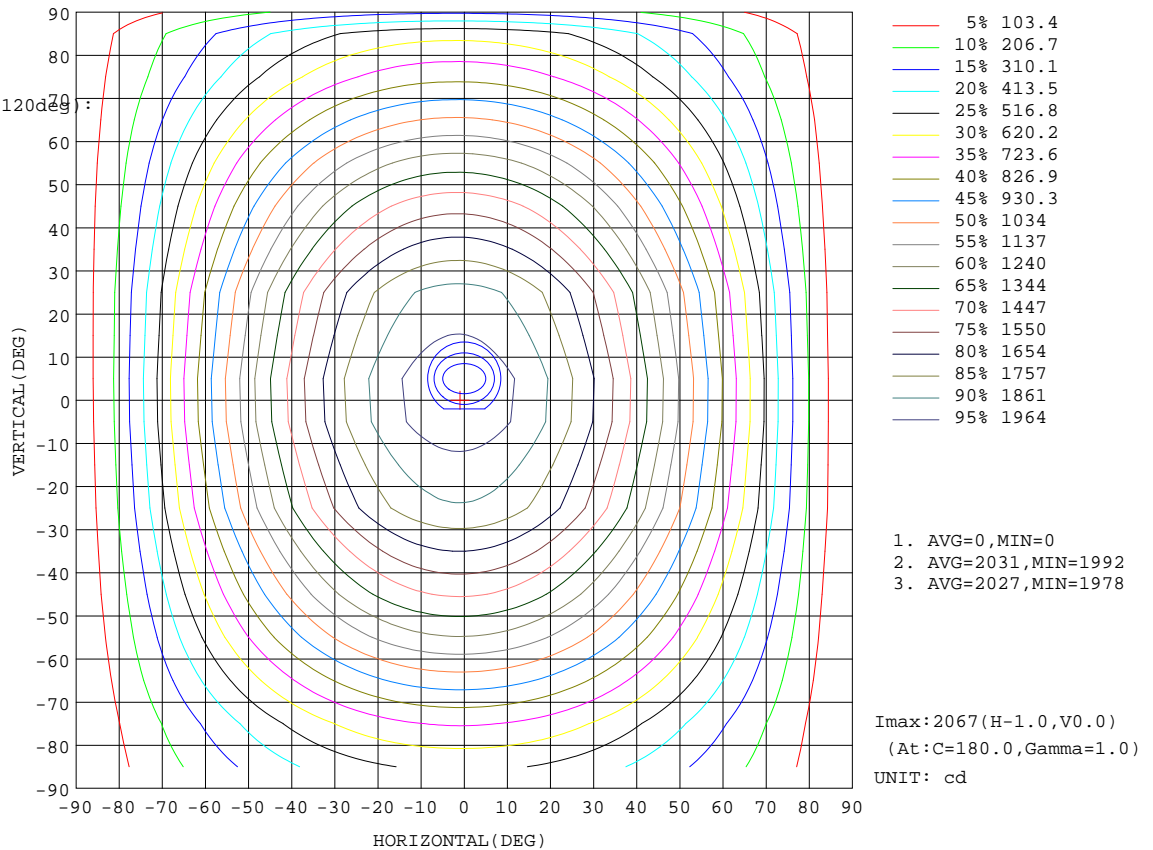
%lamp = 47.5%

Conical surface Flux(120deg):

4699.2 lm

%lum = 71.2%

%lamp = 71.2%

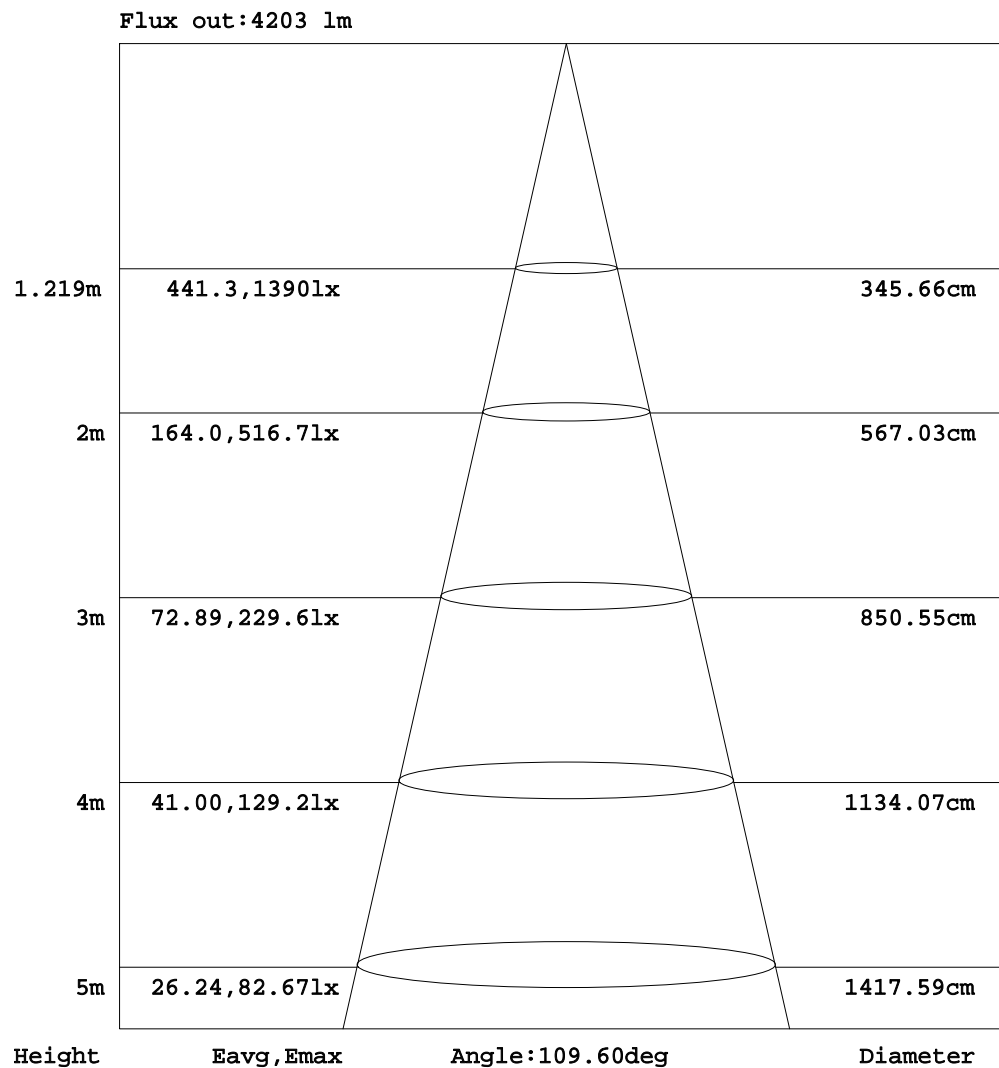


C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2020-08-18

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.290  
Humidity:65.0%  
Test Distance:8.600m [K=1.0000]  
Remarks:

## AAI Figure

|   |              |                   |
|---|--------------|-------------------|
| Test:U:120.2V I:0.3935A P:47.01W PF:0.9938 Lamp Flux:3301.63x2 lm |              |                   |
| NAME: G2VP4-25/35/50/D10/U/35-40-50                               | TYPE:LED     | WEIGHT:           |
| SPEC.:  | DIM.:        | SERIAL No.:       |
| MFR.:   | SUR.:1200*13 | PROTECTION ANGLE: |



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

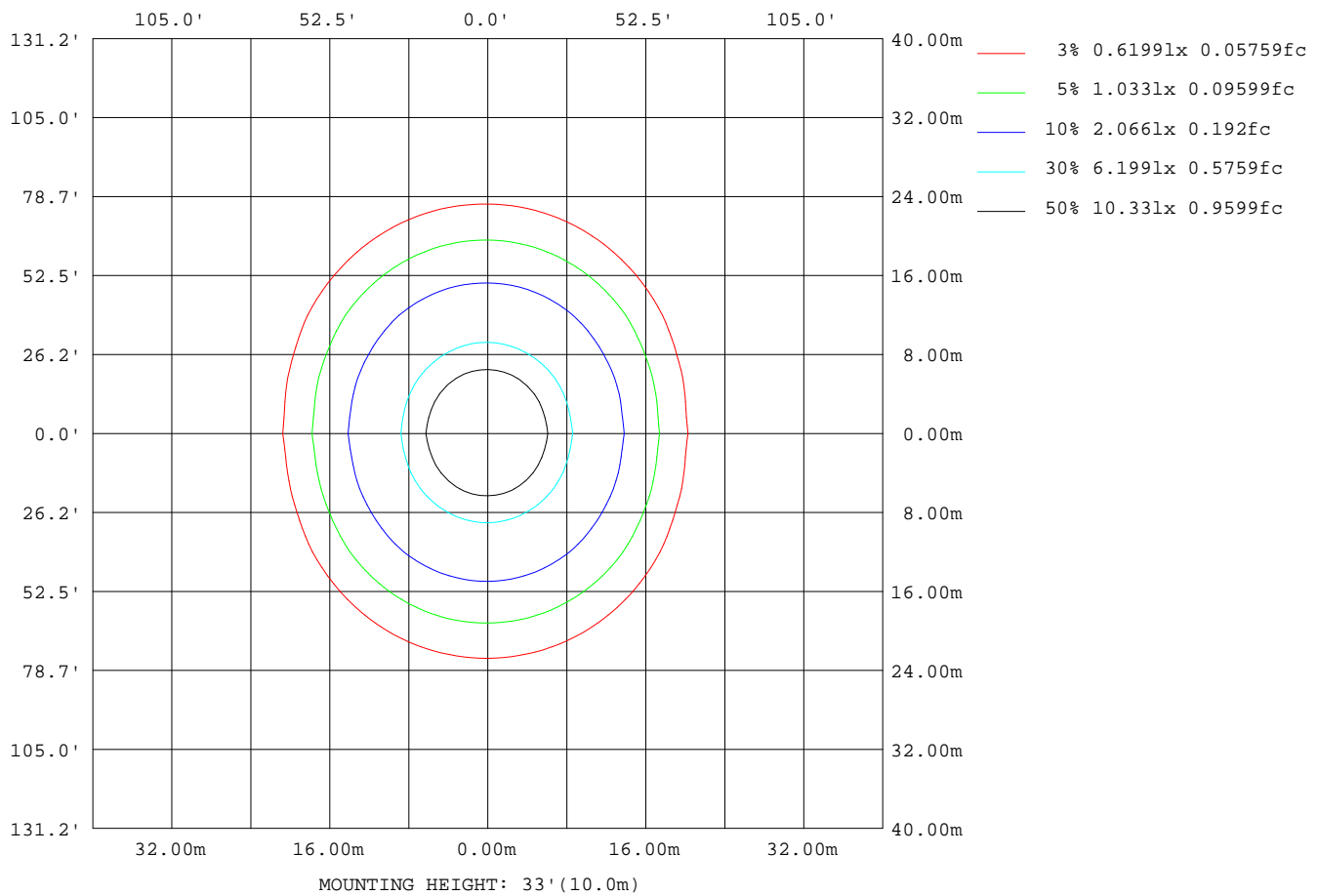
C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2020-08-18

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.290  
 Humidity:65.0%  
 Test Distance:8.600m [K=1.0000]  
 Remarks:



## ISOLUX DIAGRAM

|   |              |                   |
|---|--------------|-------------------|
| Test:U:120.2V I:0.3935A P:47.01W PF:0.9938 Lamp Flux:3301.63x2 lm |              |                   |
| NAME: G2VP4-25/35/50/D10/U/35-40-50                               | TYPE:LED     | WEIGHT:           |
| SPEC.:  | DIM.:        | SERIAL No.:       |
| MFR.:   | SUR.:1200*13 | PROTECTION ANGLE: |



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2020-08-18

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.290  
Humidity:65.0%  
Test Distance:8.600m [K=1.0000]  
Remarks:

## LED Avg.L Report

|   |              |                   |
|---|--------------|-------------------|
| Test:U:120.2V I:0.3935A P:47.01W PF:0.9938 Lamp Flux:3301.63x2 lm |              |                   |
| NAME: G2VP4-25/35/50/D10/U/35-40-50                               | TYPE:LED     | WEIGHT:           |
| SPEC.:  | DIM.:        | SERIAL No.:       |
| MFR.:   | SUR.:1200*13 | PROTECTION ANGLE: |

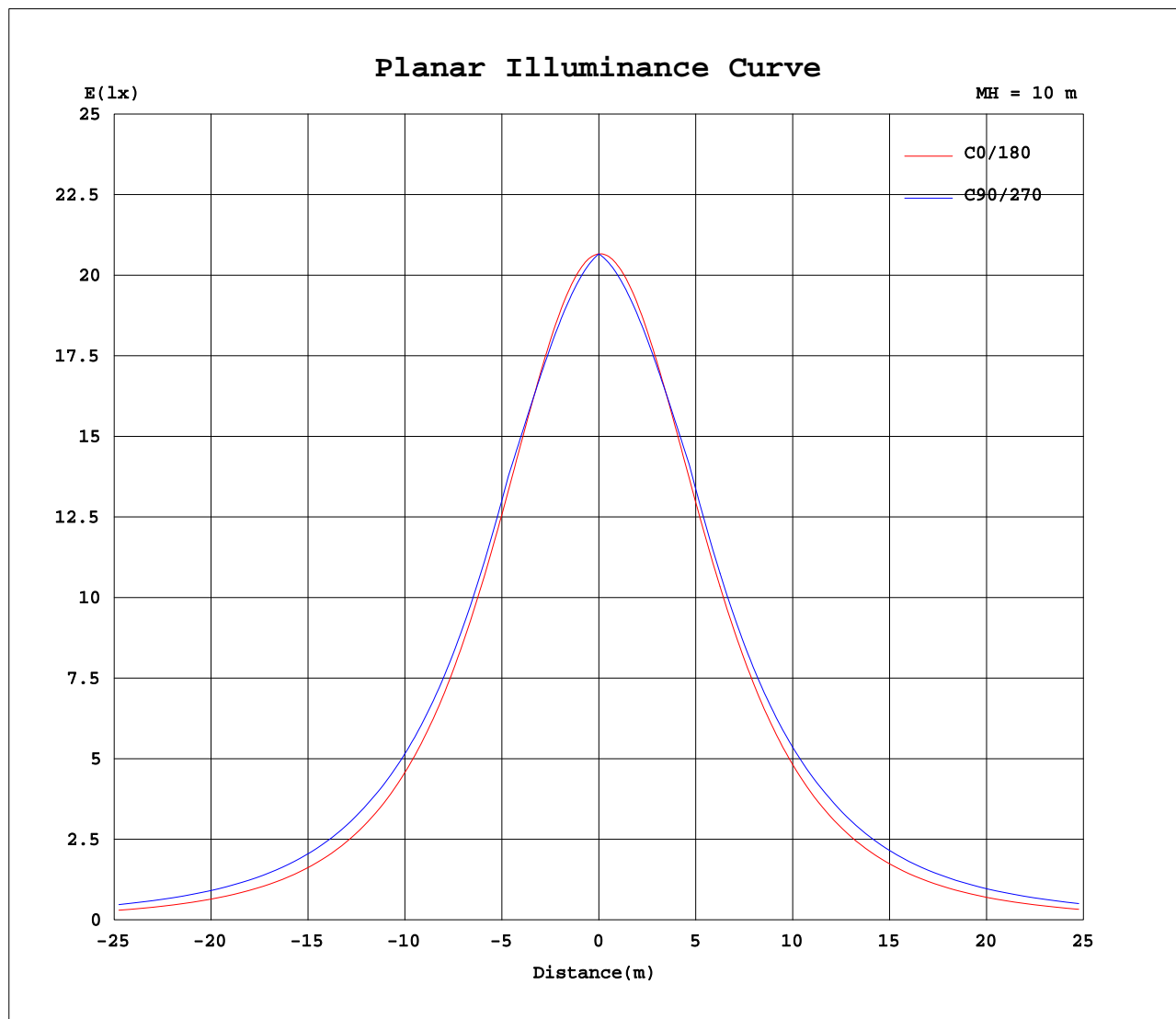
| AvgL           | cd/m2 |
|----------------|-------|
| L_0~180(65)av  | 10677 |
| L_0~180(75)av  | 9301  |
| L_0~180(85)av  | 7930  |
| L_90~270(65)av | 15402 |
| L_90~270(75)av | 18951 |
| L_90~270(85)av | 41317 |
| L_45(65)av     | 13315 |
| L_45(75)av     | 15297 |
| L_45(85)av     | 29926 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2020-08-18

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.290  
 Humidity:65.0%  
 Test Distance:8.600m [K=1.0000]  
 Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2020-08-18

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.290  
Humidity: 65.0%  
Test Distance: 8.600m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

|   |              |                   |
|---|--------------|-------------------|
| Test:U:120.2V I:0.3935A P:47.01W PF:0.9938 Lamp Flux:3301.63x2 lm |              |                   |
| NAME: G2VP4-25/35/50/D10/U/35-40-50                               | TYPE:LED     | WEIGHT:           |
| SPEC.:  | DIM.:        | SERIAL No.:       |
| MFR.:   | SUR.:1200*13 | PROTECTION ANGLE: |

Table--1

UNIT: cd

[illegible]

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2020-08-18

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.290
Humidity:65.0%
Test Distance:8.600m [K=1.0000]
Remarks:

```

## LUMINOUS DISTRIBUTION INTENSITY DATA

|   |              |                   |
|---|--------------|-------------------|
| Test:U:120.2V I:0.3935A P:47.01W PF:0.9938 Lamp Flux:3301.63x2 lm |              |                   |
| NAME: G2VP4-25/35/50/D10/U/35-40-50                               | TYPE:LED     | WEIGHT:           |
| SPEC.:  | DIM.:        | SERIAL No.:       |
| MFR.:   | SUR.:1200*13 | PROTECTION ANGLE: |

Table--2

UNIT: cd

[illegible]

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2020-08-18

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.290
Humidity:65.0%
Test Distance:8.600m [K=1.0000]
Remarks:

```

## LUMINOUS DISTRIBUTION INTENSITY DATA

|   |              |                   |
|---|--------------|-------------------|
| Test:U:120.2V I:0.3935A P:47.01W PF:0.9938 Lamp Flux:3301.63x2 lm |              |                   |
| NAME: G2VP4-25/35/50/D10/U/35-40-50                               | TYPE:LED     | WEIGHT:           |
| SPEC.:  | DIM.:        | SERIAL No.:       |
| MFR.:   | SUR.:1200*13 | PROTECTION ANGLE: |

Table--3

UNIT: cd

[illegible]

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2020-08-18

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.290
Humidity:65.0%
Test Distance:8.600m [K=1.0000]
Remarks:

```

## LUMINOUS DISTRIBUTION INTENSITY DATA

|   |              |                   |
|---|--------------|-------------------|
| Test:U:120.2V I:0.3935A P:47.01W PF:0.9938 Lamp Flux:3301.63x2 lm |              |                   |
| NAME: G2VP4-25/35/50/D10/U/35-40-50                               | TYPE:LED     | WEIGHT:           |
| SPEC.:  | DIM.:        | SERIAL No.:       |
| MFR.:   | SUR.:1200*13 | PROTECTION ANGLE: |

Table--4

UNIT: cd

[illegible]

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2020-08-18

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.290
Humidity:65.0%
Test Distance:8.600m [K=1.0000]
Remarks:

```