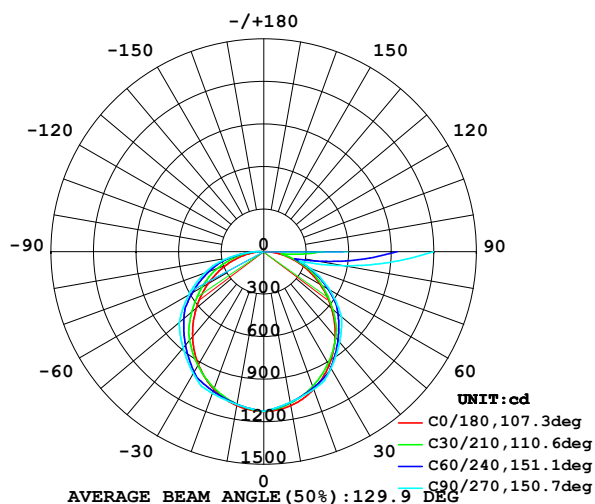


## LUMINAIRE PHOTOMETRIC TEST REPORT

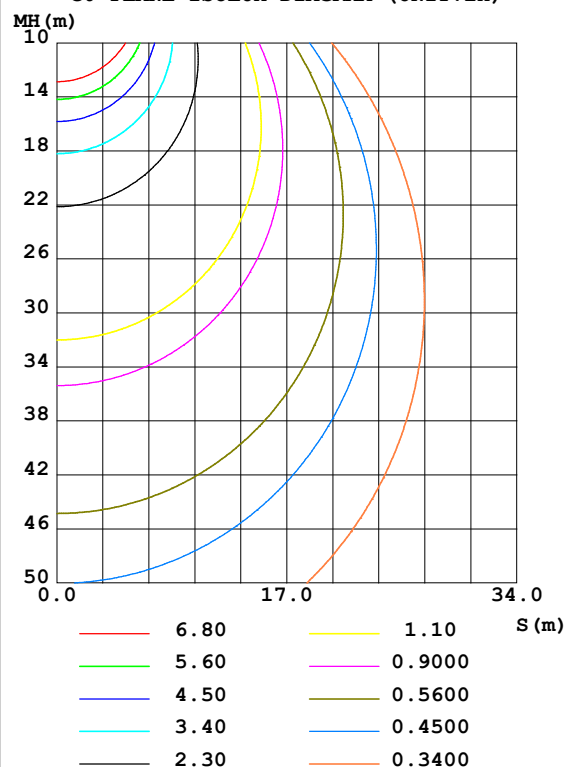
|   |              |                   |
|---|--------------|-------------------|
| Test:U:120.2V I:0.1897A P:22.64W PF:0.9934 Lamp Flux:3573.09x1 lm |              |                   |
| NAME: LOC-14TRKT-DMWMCCT  | TYPE:LED     | WEIGHT:           |
| SPEC.:  | DIM.:        | SERIAL No.:       |
| MFR.:   | SUR.:1155*95 | PROTECTION ANGLE: |

| DATA OF LAMP     |         | PHOTOMETRIC DATA Eff: 157.79 lm/W |        |                        |          |
|------------------|---------|-----------------------------------|--------|------------------------|----------|
| MODEL            |         | Imax(cd)                          | 1198   | S/MH(C0/180)           | 1.22     |
| NOMINAL POWER(W) | 24      | LOR(%)                            | 100.0  | S/MH(C90/270)          | 1.31     |
| RATED VOLTAGE(V) | 120-277 | TOTAL FLUX(lm)                    | 3573.1 | $\eta$ UP,DN(C0-180)   | 0.0,51.4 |
| NOMINAL FLUX(lm) | 3573.09 | CIE CLASS                         | DIRECT | $\eta$ UP,DN(C180-360) | 0.0,48.6 |
| LAMPS INSIDE     | 1       | $\eta$ up(%)                      | 0.0    | CIBSE SHR NOM          | 1.25     |
| TEST VOLTAGE(V)  | 120     | $\eta$ 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:25DEG  
 Operators:  
 Test Date:2020-05-15

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.290  
 Humidity:50%  
 Test Distance:8.600m [K=1.0000]  
 Remarks:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

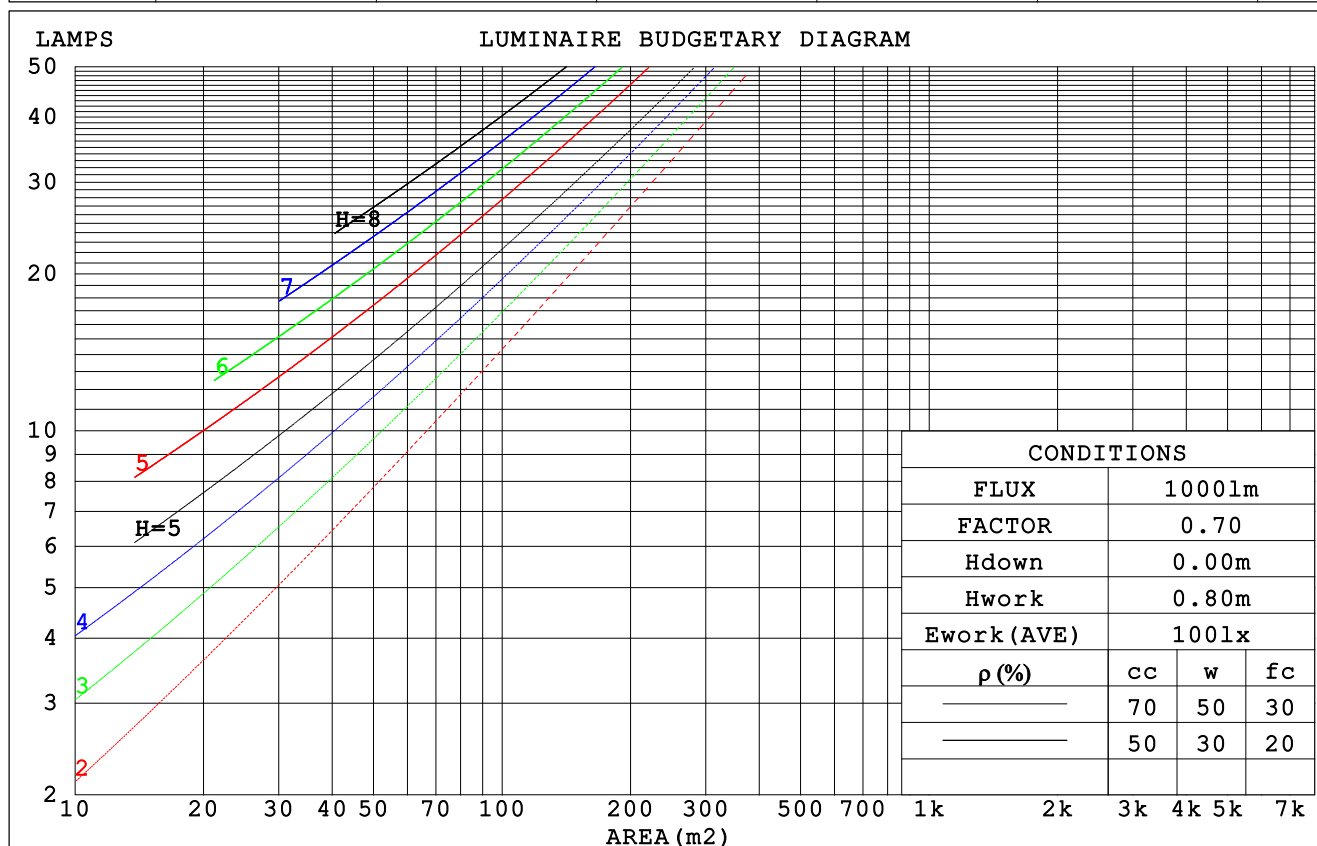
| $\gamma$ | C0                    | C45   | C90   | C135  | C180  | C225  | C270  | C315  | $\gamma$ | $\Phi$ zone | $\Phi$ total | %lum, lamp |
|----------|-----------------------|-------|-------|-------|-------|-------|-------|-------|----------|-------------|--------------|------------|
| 5        | 1121                  | 1107  | 1103  | 1107  | 1121  | 1112  | 1111  | 1112  | 0- 5     | 26.70       | 26.70        | 0.75,0.75  |
| 10       | 1103                  | 1081  | 1079  | 1081  | 1102  | 1092  | 1094  | 1092  | 5- 10    | 78.66       | 105.4        | 2.95,2.95  |
| 15       | 1073                  | 1050  | 1055  | 1050  | 1073  | 1066  | 1078  | 1066  | 10- 15   | 127.6       | 232.9        | 6.52,6.52  |
| 20       | 1033                  | 1014  | 1032  | 1013  | 1032  | 1034  | 1062  | 1036  | 15- 20   | 172.3       | 405.2        | 11.3,11.3  |
| 25       | 982.4                 | 974.1 | 1008  | 972.7 | 981.3 | 998.9 | 1046  | 1000  | 20- 25   | 212.0       | 617.2        | 17.3,17.3  |
| 30       | 923.0                 | 930.5 | 949.6 | 928.6 | 921.9 | 959.6 | 992.7 | 961.7 | 25- 30   | 244.9       | 862.1        | 24.1,24.1  |
| 35       | 856.4                 | 875.9 | 891.2 | 873.6 | 855.2 | 908.9 | 939.5 | 911.4 | 30- 35   | 268.6       | 1131         | 31.6,31.6  |
| 40       | 783.8                 | 802.2 | 832.8 | 799.9 | 781.9 | 837.9 | 886.2 | 840.9 | 35- 40   | 283.5       | 1414         | 39.6,39.6  |
| 45       | 706.2                 | 728.5 | 774.5 | 726.0 | 704.0 | 766.6 | 833.0 | 770.0 | 40- 45   | 290.0       | 1704         | 47.7,47.7  |
| 50       | 625.5                 | 655.1 | 716.1 | 652.6 | 622.8 | 695.8 | 779.8 | 699.7 | 45- 50   | 288.8       | 1993         | 55.8,55.8  |
| 55       | 542.4                 | 583.2 | 625.1 | 580.7 | 538.9 | 626.5 | 695.6 | 630.8 | 50- 55   | 279.0       | 2272         | 63.6,63.6  |
| 60       | 458.4                 | 509.8 | 534.1 | 507.4 | 454.3 | 555.9 | 611.4 | 561.0 | 55- 60   | 259.3       | 2531         | 70.8,70.8  |
| 65       | 374.4                 | 418.5 | 443.1 | 415.4 | 369.6 | 466.7 | 527.2 | 474.1 | 60- 65   | 231.9       | 2763         | 77.3,77.3  |
| 70       | 291.8                 | 330.9 | 352.0 | 327.2 | 286.4 | 381.0 | 443.0 | 391.0 | 65- 70   | 198.8       | 2962         | 82.9,82.9  |
| 75       | 211.9                 | 246.7 | 261.0 | 242.3 | 204.8 | 298.9 | 358.9 | 311.6 | 70- 75   | 161.4       | 3123         | 87.4,87.4  |
| 80       | 136.1                 | 212.1 | 573.2 | 210.0 | 129.2 | 216.4 | 245.2 | 230.7 | 75- 80   | 135.3       | 3259         | 91.2,91.2  |
| 85       | 64.49                 | 450.1 | 885.5 | 469.0 | 59.66 | 115.2 | 131.6 | 124.4 | 80- 85   | 143.6       | 3402         | 95.2,95.2  |
| 90       | 8.906                 | 690.7 | 1198  | 731.1 | 14.31 | 15.60 | 17.93 | 19.53 | 85- 90   | 170.8       | 3573         | 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:25DEG  
 Operators:  
 Test Date:2020-05-15

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.290  
 Humidity:50%  
 Test Distance:8.600m [K=1.0000]  
 Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| $\rho_{cc}$ | 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 | 1.00 |
| 1.0         | .00                   | .94  | .90  | .97                             | .93  | .88  | .93  | .89  | .85  | .89  | .86  | .83  | .85  | .83  | .80  | .78  |
| 2.0         | .86                   | .78  | .72  | .84                             | .77  | .71  | .80  | .74  | .69  | .77  | .72  | .67  | .74  | .70  | .66  | .63  |
| 3.0         | .75                   | .66  | .59  | .74                             | .65  | .58  | .70  | .63  | .57  | .68  | .61  | .56  | .65  | .60  | .55  | .53  |
| 4.0         | .66                   | .57  | .50  | .65                             | .56  | .49  | .62  | .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  | .36  | .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: 25DEG  
 Operators:  
 Test Date: 2020-05-15

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.290  
 Humidity: 50%  
 Test Distance: 8.600m [K=1.0000]  
 Remarks:

## WEC AND CCEC

| 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  | .388                  | .220 | .070 | .380 | .217 | .069 | .367                             | .210 | .067 | .354 | .204 | .066 | .343 | .199 | .064 |   |
| 2.0  | .334                  | .183 | .056 | .327 | .180 | .056 | .315                             | .175 | .054 | .304 | .171 | .053 | .294 | .166 | .052 |   |
| 3.0  | .297                  | .158 | .047 | .291 | .156 | .047 | .280                             | .152 | .046 | .270 | .148 | .045 | .261 | .145 | .045 |   |
| 4.0  | .268                  | .139 | .041 | .263 | .137 | .041 | .253                             | .134 | .040 | .245 | .131 | .040 | .236 | .128 | .039 |   |
| 5.0  | .244                  | .124 | .036 | .240 | .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 | .203 | .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 | .172 | .089 | .026 |   |
| 9.0  | .179                  | .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 | .076 | .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  | .186                  | .155 | .128 | .159 | .133 | .110 | .109                                       | .092 | .076 | .063 | .053 | .044 | .020 | .017 | .014 |   |
| 2.0  | .178                  | .132 | .093 | .152 | .113 | .080 | .104                                       | .078 | .056 | .060 | .046 | .033 | .019 | .015 | .011 |   |
| 3.0  | .170                  | .114 | .071 | .145 | .099 | .061 | .100                                       | .069 | .043 | .058 | .040 | .025 | .019 | .013 | .008 |   |
| 4.0  | .161                  | .101 | .056 | .139 | .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  | .138                  | .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:25DEG  
 Operators:  
 Test Date:2020-05-15

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.290  
 Humidity:50%  
 Test Distance:8.600m [K=1.0000]  
 Remarks:

UGR(Unified Glare Rating) Table

|  |                  |      |      |      |      |                |      |      |      |      |
|--|------------------|------|------|------|------|----------------|------|------|------|------|
| 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                                      | 19.8             | 21.4 | 20.1 | 21.6 | 21.8 | 20.6           | 22.2 | 20.9 | 22.4 | 22.6 |
| 3H   | 21.3             | 22.8 | 21.6 | 23.0 | 23.3 | 22.3           | 23.8 | 22.6 | 24.0 | 24.3 |
| 4H   | 21.9             | 23.4 | 22.3 | 23.6 | 23.9 | 23.1           | 24.5 | 23.4 | 24.8 | 25.0 |
| 6H   | 22.4             | 23.8 | 22.8 | 24.1 | 24.4 | 25.9           | 27.2 | 26.2 | 27.5 | 27.8 |
| 8H   | 22.6             | 23.9 | 23.0 | 24.2 | 24.5 | 28.3           | 29.6 | 28.6 | 29.9 | 30.2 |
| 12H  | 22.7             | 24.0 | 23.1 | 24.3 | 24.6 | 31.0           | 32.3 | 31.4 | 32.6 | 32.9 |
| 4H 2H  | 20.6             | 22.0 | 20.9 | 22.2 | 22.5 | 21.2           | 22.6 | 21.5 | 22.9 | 23.1 |
| 3H   | 22.3             | 23.5 | 22.6 | 23.8 | 24.2 | 23.1           | 24.3 | 23.4 | 24.6 | 25.0 |
| 4H   | 23.0             | 24.2 | 23.4 | 24.5 | 24.9 | 24.0           | 25.2 | 24.4 | 25.5 | 25.8 |
| 6H   | 23.7             | 24.7 | 24.1 | 25.1 | 25.5 | 27.2           | 28.3 | 27.7 | 28.7 | 29.0 |
| 8H   | 23.9             | 24.9 | 24.3 | 25.3 | 25.7 | 29.9           | 30.9 | 30.3 | 31.2 | 31.6 |
| 12H  | 24.1             | 25.0 | 24.5 | 25.4 | 25.8 | 32.8           | 33.8 | 33.3 | 34.2 | 34.6 |
| 8H 4H  | 23.5             | 24.5 | 23.9 | 24.8 | 25.2 | 24.3           | 25.3 | 24.7 | 25.6 | 26.0 |
| 6H   | 24.3             | 25.1 | 24.7 | 25.5 | 26.0 | 28.0           | 28.9 | 28.5 | 29.3 | 29.7 |
| 8H   | 24.6             | 25.4 | 25.1 | 25.8 | 26.3 | 31.0           | 31.8 | 31.5 | 32.2 | 32.7 |
| 12H  | 24.9             | 25.6 | 25.4 | 26.1 | 26.5 | 34.3           | 35.0 | 34.8 | 35.5 | 35.9 |
| 12H 4H   | 23.8             | 24.8 | 24.3 | 25.2 | 25.6 | 24.3           | 25.2 | 24.7 | 25.6 | 26.0 |
| 6H   | 25.0             | 25.7 | 25.4 | 26.2 | 26.6 | 28.2           | 29.0 | 28.7 | 29.4 | 29.8 |
| 8H   | 25.6             | 26.2 | 26.0 | 26.7 | 27.2 | 31.3           | 32.0 | 31.8 | 32.5 | 32.9 |
| Variations with the observer position at spacings: |                  |      |      |      |      |                |      |      |      |      |
| S = 1.0H   | + 0.1 / - 0.1    |      |      |      |      | + 0.2 / - 0.2  |      |      |      |      |
| 1.5H   | + 0.1 / - 0.1    |      |      |      |      | + 0.4 / - 0.5  |      |      |      |      |
| 2.0H   | + 0.1 / - 0.2    |      |      |      |      | + 0.4 / - 0.5  |      |      |      |      |

CIE Pub.117 Corrected 3573 lm Total Lamp Luminous Flux. (8log(F/F0) = 4.4)

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 25DEG  
 Operators:  
 Test Date: 2020-05-15

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.290  
 Humidity: 50%  
 Test Distance: 8.600m [K=1.0000]  
 Remarks:

## UTILIZATION FACTORS TABLE

| 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                             | 79   | 68  | 60        | 78  | 67  | 60  | 75  | 66            | 59  | 51     |
| 1.50                             | 84   | 73  | 66        | 83  | 72  | 65  | 79  | 71            | 64  | 56     |
| 2.00                             | 91   | 81  | 74        | 89  | 80  | 73  | 85  | 78            | 72  | 63     |
| 2.50                             | 95   | 86  | 79        | 93  | 85  | 78  | 89  | 82            | 76  | 67     |
| 3.00                             | 99   | 90  | 84        | 96  | 89  | 83  | 92  | 86            | 81  | 71     |
| 4.00                             | 103  | 96  | 90        | 100 | 94  | 89  | 96  | 91            | 86  | 76     |
| 5.00                             | 106  | 100 | 94        | 103 | 97  | 93  | 98  | 94            | 90  | 80     |
| 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: 25DEG  
 Operators:  
 Test Date: 2020-05-15

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.290  
 Humidity: 50%  
 Test Distance: 8.600m [K=1.0000]  
 Remarks:

ISOCANDELA DIAGRAM

Conical surface Flux(90deg):

1704.2 lm

%lum = 47.7%

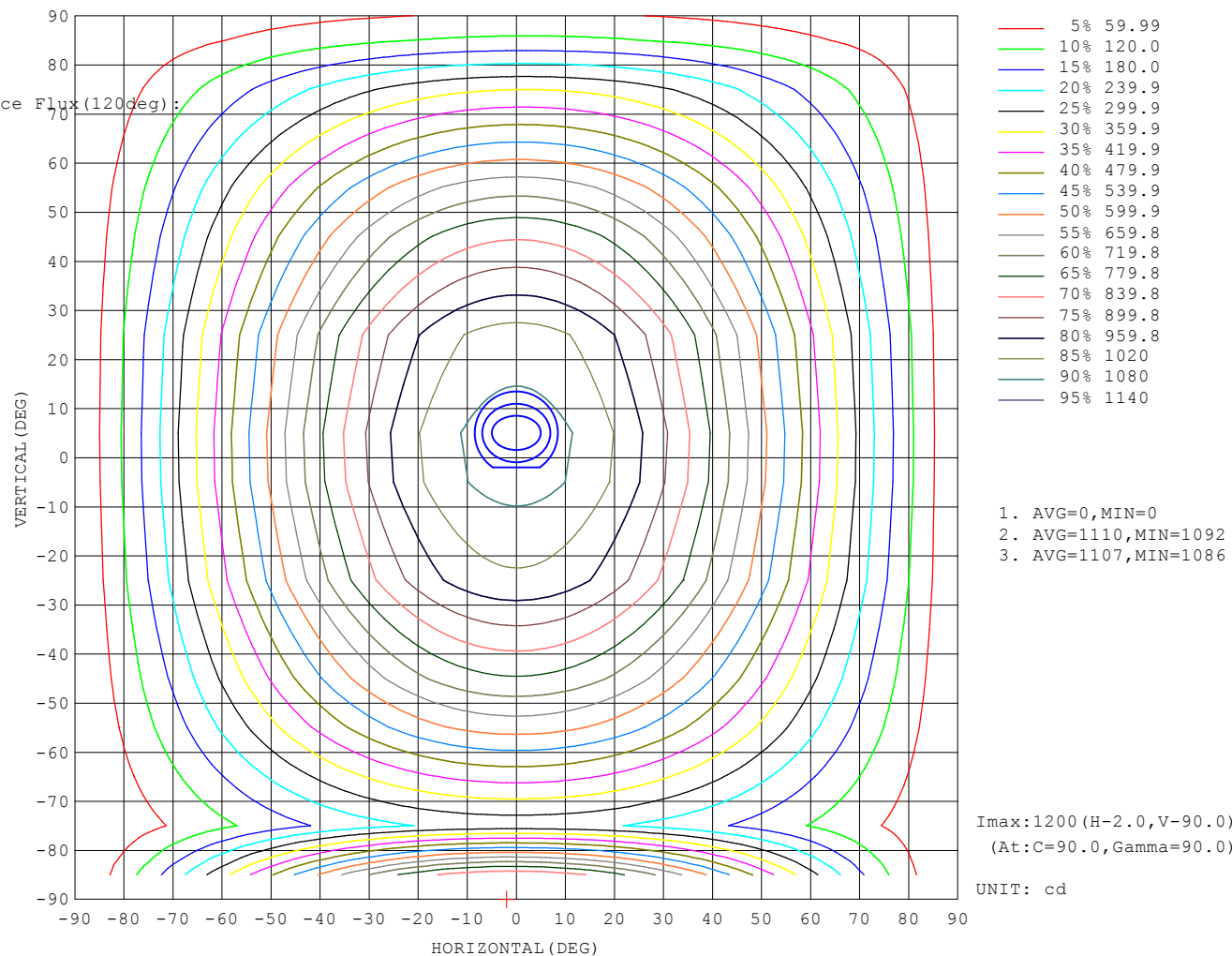
%lamp = 47.7%

Conical surface Flux(120deg):

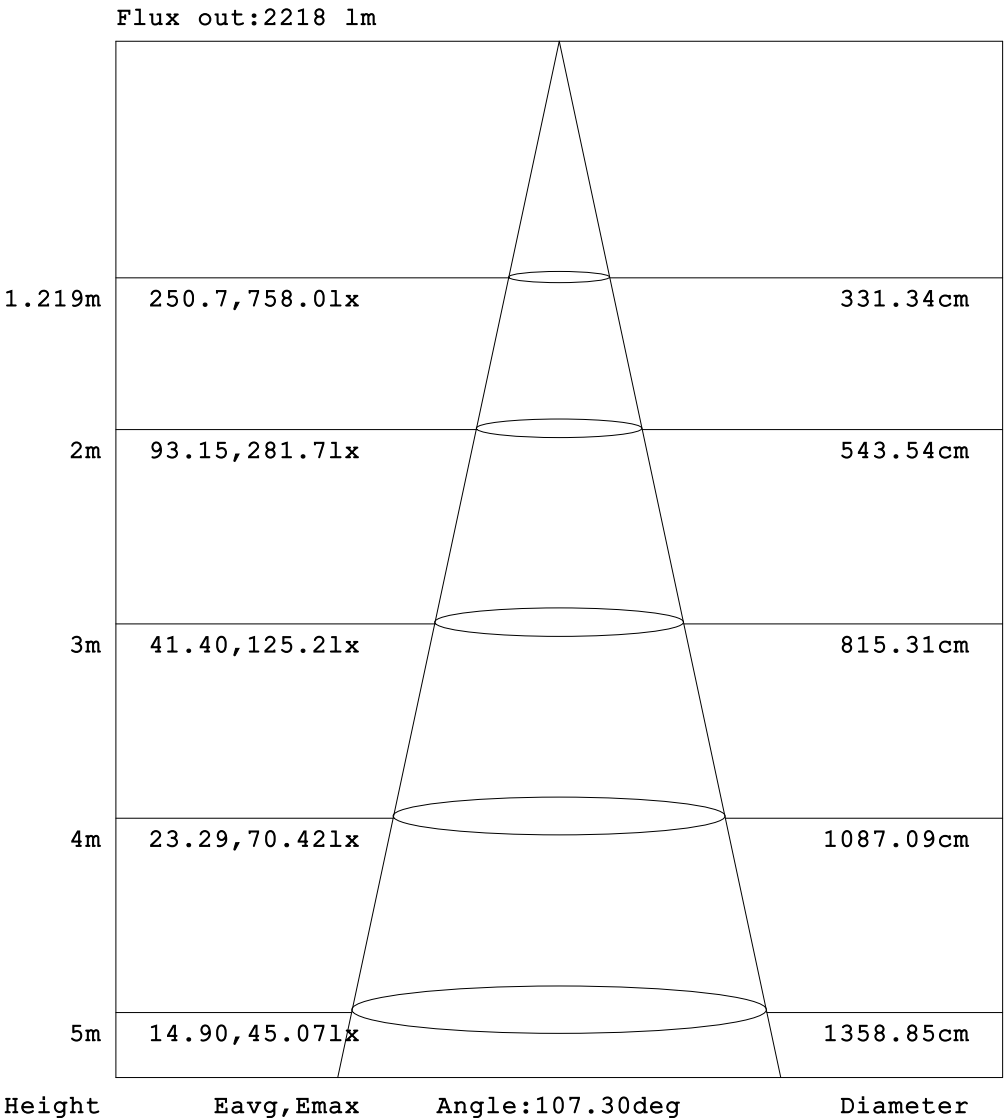
2531.3 lm

%lum = 70.8%

%lamp = 70.8%



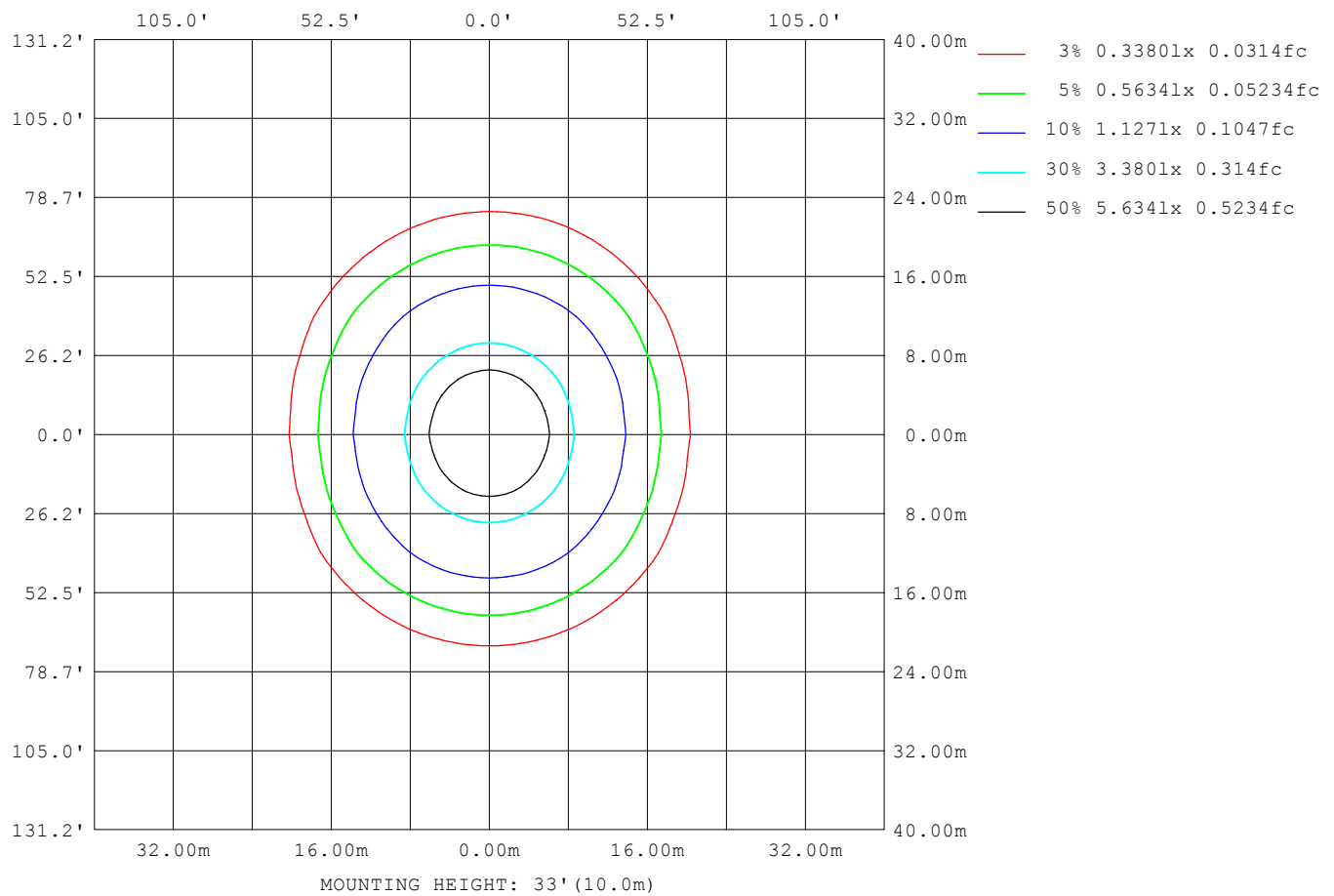
AAI Figure



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



## ISOLUX DIAGRAM



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25DEG  
Operators:  
Test Date: 2020-05-15

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.290  
Humidity: 50%  
Test Distance: 8.600m [K=1.0000]  
Remarks:

## LED Avg.L Report

|   |              |                   |
|---|--------------|-------------------|
| Test:U:120.2V I:0.1897A P:22.64W PF:0.9934 Lamp Flux:3573.09x1 lm |              |                   |
| NAME: LOC-14TRKT-DMWMCCT  | TYPE:LED     | WEIGHT:           |
| SPEC.:  | DIM.:        | SERIAL No.:       |
| MFR.:   | SUR.:1155*95 | PROTECTION ANGLE: |

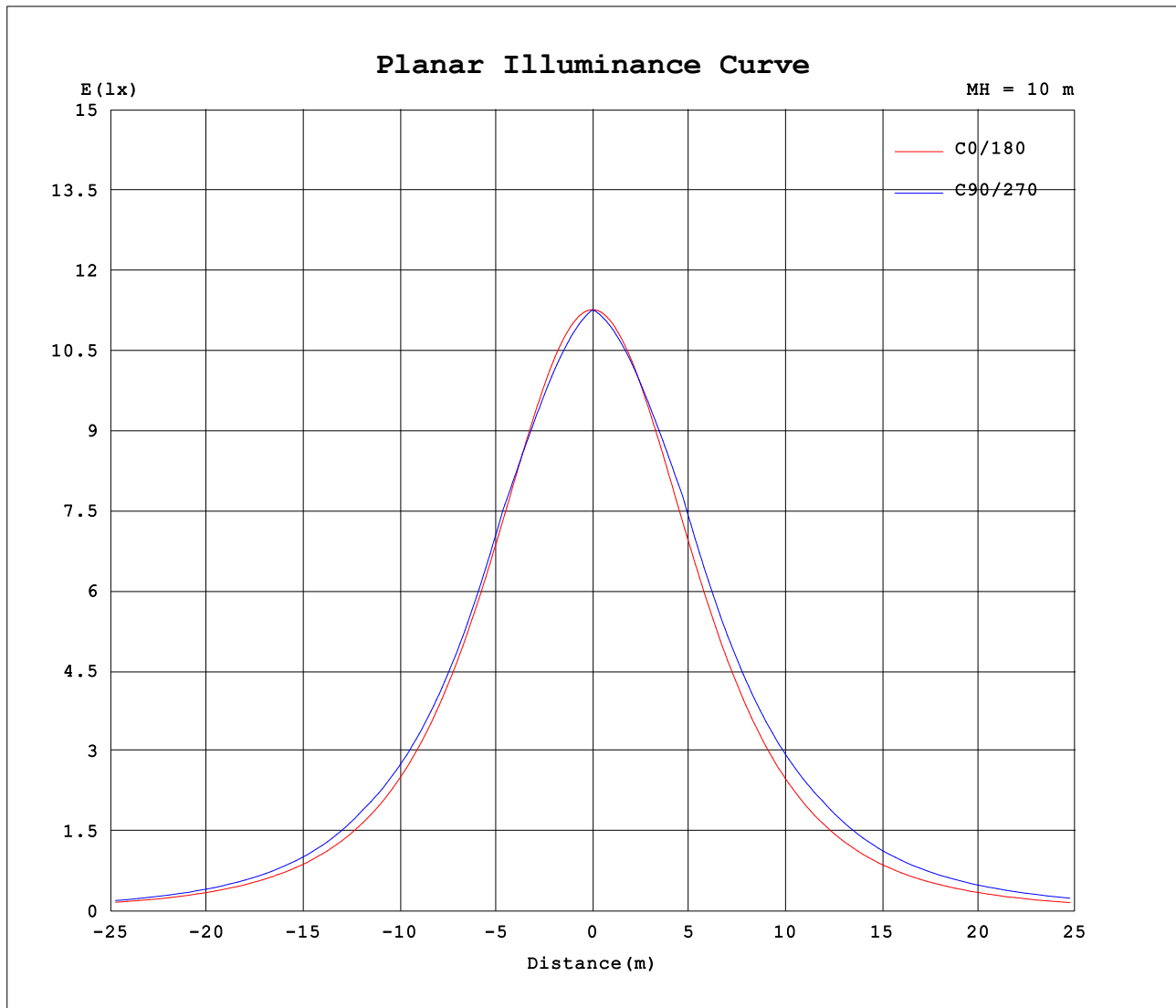
| AvgL             | cd/m2 |
|------------------|-------|
| L_0~180 (65) av  | 8024  |
| L_0~180 (75) av  | 7339  |
| L_0~180 (85) av  | 6493  |
| L_90~270 (65) av | 10464 |
| L_90~270 (75) av | 10916 |
| L_90~270 (85) av | 53186 |
| L_45 (65) av     | 9570  |
| L_45 (75) av     | 9681  |
| L_45 (85) av     | 30298 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:  
 Test Date:2020-05-15

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.290  
 Humidity:50%  
 Test Distance:8.600m [K=1.0000]  
 Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25DEG  
Operators:  
Test Date: 2020-05-15

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.290  
Humidity: 50%  
Test Distance: 8.600m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Table--1

UNIT: cd

[illegible]

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25DEG  
Operators:  
Test Date: 2020-05-15

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.290
Humidity:50%
Test Distance:8.600m [K=1.0000]
Remarks:

```

## LUMINOUS DISTRIBUTION INTENSITY DATA

Table--2

UNIT: cd

[illegible]

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25DEG  
Operators:  
Test Date: 2020-05-15

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.290
Humidity:50%
Test Distance:8.600m [K=1.0000]
Remarks:

```

## LUMINOUS DISTRIBUTION INTENSITY DATA

Table--3

UNIT: cd

[illegible]

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25DEG  
Operators:  
Test Date: 2020-05-15

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.290
Humidity:50%
Test Distance:8.600m [K=1.0000]
Remarks:

```

## LUMINOUS DISTRIBUTION INTENSITY DATA

Table--4

UNIT: cd

[illegible]

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25DEG  
Operators:  
Test Date: 2020-05-15

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.290
Humidity:50%
Test Distance:8.600m [K=1.0000]
Remarks:

```