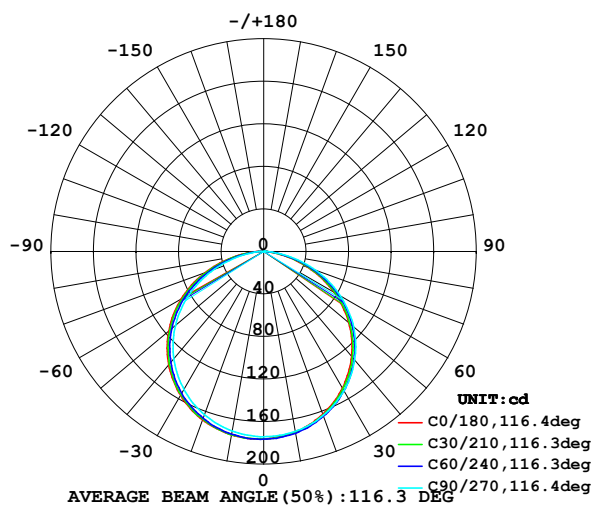


## LUMINAIRE PHOTOMETRIC TEST REPORT

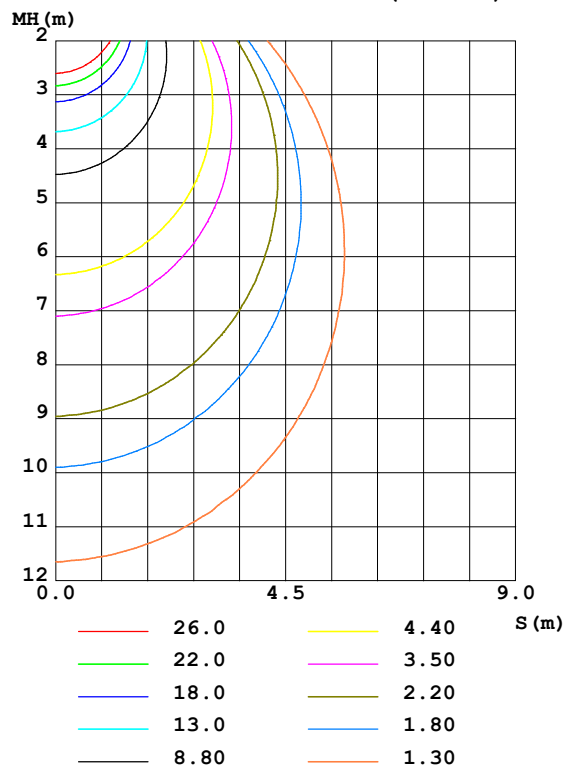
|   |                 |             |
|---|-----------------|-------------|
| Test:U:24.00V I:0.2060A P:4.944W PF:1.000 Lamp Flux:527.51x1 lm |                 |             |
| NAME: LED Soft light bar  | SUR.:0.08m*1.0m | SERIAL No.: |
|   |                 |             |
|   |                 |             |

| DATA OF LAMP     |             | PHOTOMETRIC DATA Eff: 105.63 lm/W |        |                   |          |
|------------------|-------------|-----------------------------------|--------|-------------------|----------|
| MODEL            | EKF5548HL90 | I <sub>max</sub> (cd)             | 176.8  | S/MH (C0/180)     | 1.32     |
| NOMINAL POWER(W) | /           | LOR(%)                            | 99.0   | S/MH (C90/270)    | 1.28     |
| RATED VOLTAGE(V) | 24          | TOTAL FLUX(lm)                    | 522.23 | η UP,DN(C0-180)   | 0.2,49.4 |
| NOMINAL FLUX(lm) | 527.51      | CIE CLASS                         | DIRECT | η UP,DN(C180-360) | 0.1,49.3 |
| LAMPS INSIDE     | 1           | η up (%)                          | 0.3    | CIBSE SHR NOM     | 1.25     |
| TEST VOLTAGE(V)  | 24          | η down (%)                        | 98.7   | CIBSE SHR MAX     | 1.35     |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:24.1DEG  
 Operators:Bo Zou  
 Test Date:2021-05-17

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.291  
 Humidity:33.6%  
 Test Distance:10.149m [K=1.0000]  
 Remarks: standard: GB/T 9468-2008

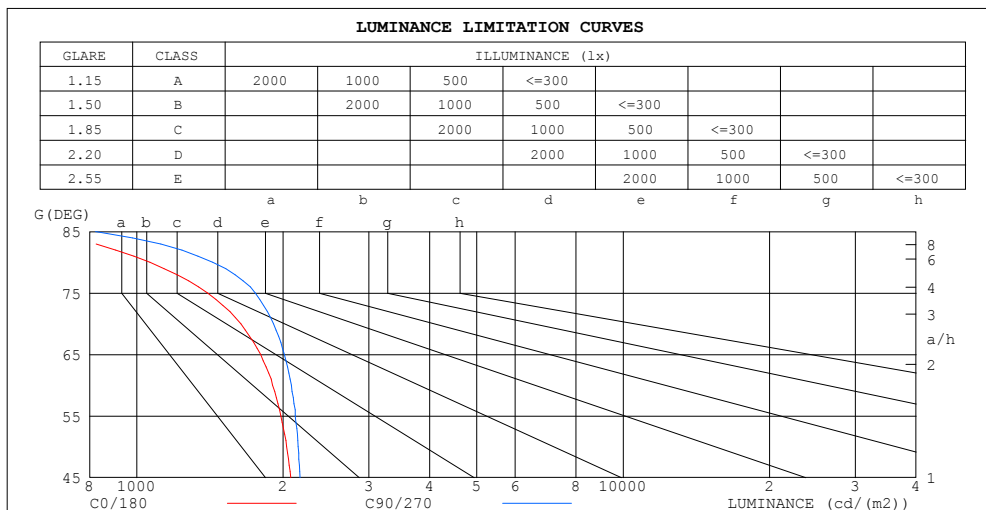
Checker: Bo Zou

Assessor: Chunbo Zou

## ZONAL FLUX DIAGRAM AND LUMINANCE LIMITATION CURVES

### ZONAL FLUX DIAGRAM:

| $\gamma$ | C0                    | C45    | C90    | C135   | C180   | C225   | C270   | C315   | $\gamma$ | $\Phi$ zone | $\Phi$ total | %lum, lamp |
|----------|-----------------------|--------|--------|--------|--------|--------|--------|--------|----------|-------------|--------------|------------|
| 10       | 172.3                 | 173.1  | 171.8  | 172.1  | 175.0  | 174.7  | 171.4  | 169.8  | 0- 10    | 16.57       | 16.57        | 3.17,3.14  |
| 20       | 162.9                 | 164.3  | 164.1  | 165.3  | 168.4  | 167.2  | 163.3  | 160.8  | 10- 20   | 47.72       | 64.29        | 12.3,12.2  |
| 30       | 148.3                 | 150.2  | 151.3  | 153.3  | 156.2  | 154.4  | 150.0  | 147.0  | 20- 30   | 73.03       | 137.3        | 26.3,26    |
| 40       | 128.9                 | 131.1  | 133.1  | 136.0  | 139.1  | 137.1  | 131.6  | 127.7  | 30- 40   | 89.25       | 226.6        | 43.4,43    |
| 50       | 104.5                 | 107.4  | 110.4  | 113.8  | 116.5  | 114.1  | 108.3  | 104.2  | 40- 50   | 94.03       | 320.6        | 61.4,60.8  |
| 60       | 76.07                 | 79.39  | 83.15  | 87.24  | 89.76  | 86.76  | 80.79  | 76.54  | 50- 60   | 86.25       | 406.9        | 77.9,77.1  |
| 70       | 44.78                 | 47.76  | 52.29  | 56.93  | 58.98  | 55.57  | 49.75  | 45.42  | 60- 70   | 66.36       | 473.2        | 90.6,89.7  |
| 80       | 14.78                 | 16.95  | 19.90  | 25.55  | 27.14  | 23.64  | 18.70  | 15.62  | 70- 80   | 37.50       | 510.7        | 97.8,96.8  |
| 90       | 0.7353                | 0.5900 | 0      | 2.920  | 3.508  | 1.985  | 0      | 0.8214 | 80- 90   | 9.846       | 520.6        | 99.7,98.7  |
| 100      | 0.0474                | 0.0395 | 0      | 0.0079 | 0      | 0      | 0.0001 | 0      | 90-100   | 0.2861      | 520.8        | 99.7,98.7  |
| 110      | 0.0788                | 0.1421 | 0.0630 | 0.1104 | 0.0555 | 0.0550 | 0.1104 | 0.0631 | 100-110  | 0.0441      | 520.9        | 99.7,98.7  |
| 120      | 0.1891                | 0.2524 | 0.1814 | 0.2287 | 0.1735 | 0.1419 | 0.2208 | 0.1734 | 110-120  | 0.1334      | 521.0        | 99.8,98.8  |
| 130      | 0.2933                | 0.3629 | 0.2918 | 0.3235 | 0.2683 | 0.2286 | 0.3313 | 0.2552 | 120-130  | 0.2181      | 521.2        | 99.8,98.8  |
| 140      | 0.4258                | 0.4654 | 0.4177 | 0.4259 | 0.3785 | 0.3233 | 0.4180 | 0.3469 | 130-140  | 0.2666      | 521.5        | 99.9,98.9  |
| 150      | 0.4887                | 0.5411 | 0.4495 | 0.4971 | 0.4654 | 0.4164 | 0.4969 | 0.4298 | 140-150  | 0.2728      | 521.8        | 99.9,98.9  |
| 160      | 0.5817                | 0.5770 | 0.5574 | 0.5678 | 0.5363 | 0.5599 | 0.5678 | 0.5520 | 150-160  | 0.2395      | 522.0        | 100,99     |
| 170      | 0.5782                | 0.5809 | 0.5682 | 0.5725 | 0.5732 | 0.5678 | 0.5793 | 0.5793 | 160-170  | 0.1622      | 522.2        | 100,99     |
| 180      | 0.5836                | 0.5836 | 0.5757 | 0.5757 | 0.5836 | 0.5757 | 0.5757 | 0.5757 | 170-180  | 0.0549      | 522.2        | 100,99     |
| DEG      | LUMINOUS INTENSITY:cd |        |        |        |        |        |        |        |          | UNIT:lm     |              |            |



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:24.1DEG  
 Operators:Bo Zou  
 Test Date:2021-05-17

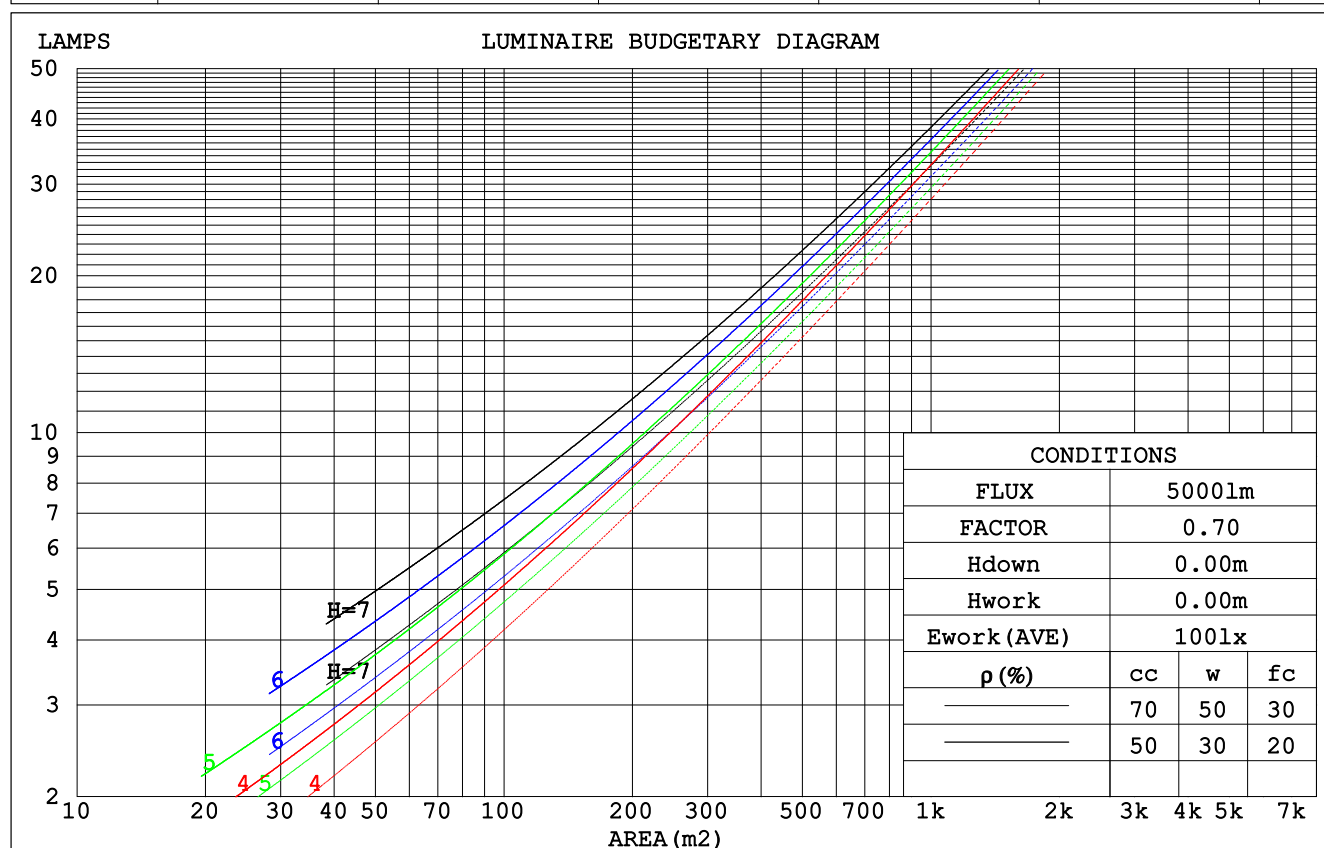
$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.291  
 Humidity:33.6%  
 Test Distance:10.149m [K=1.0000]  
 Remarks: standard: GB/T 9468-2008

Checker: Bo Zou

Assessor: Chunbo Zou

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| 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  | 1.18                  | 1.18 | 1.18 | 1.15 | 1.15 | 1.15 | 1.10                            | 1.10 | 1.10 | 1.05 | 1.05 | 1.05 | 1.01 | 1.01 | 1.01 | .99 |
| 1.0  | 1.03                  | .98  | .94  | 1.00 | .96  | .93  | .96                             | .93  | .90  | .92  | .89  | .87  | .88  | .86  | .84  | .82 |
| 2.0  | .89                   | .82  | .77  | .87  | .81  | .76  | .84                             | .78  | .74  | .80  | .76  | .72  | .77  | .74  | .70  | .68 |
| 3.0  | .78                   | .70  | .63  | .77  | .69  | .63  | .73                             | .67  | .62  | .71  | .65  | .60  | .68  | .63  | .59  | .57 |
| 4.0  | .69                   | .60  | .53  | .68  | .59  | .53  | .65                             | .58  | .52  | .63  | .57  | .52  | .61  | .55  | .51  | .49 |
| 5.0  | .62                   | .53  | .46  | .60  | .52  | .46  | .58                             | .51  | .45  | .56  | .50  | .45  | .54  | .49  | .44  | .42 |
| 6.0  | .55                   | .46  | .40  | .54  | .46  | .40  | .53                             | .45  | .39  | .51  | .44  | .39  | .49  | .43  | .39  | .36 |
| 7.0  | .50                   | .41  | .35  | .49  | .41  | .35  | .48                             | .40  | .35  | .46  | .39  | .34  | .45  | .39  | .34  | .32 |
| 8.0  | .46                   | .37  | .31  | .45  | .37  | .31  | .44                             | .36  | .31  | .42  | .36  | .31  | .41  | .35  | .31  | .29 |
| 9.0  | .42                   | .34  | .28  | .41  | .33  | .28  | .40                             | .33  | .28  | .39  | .32  | .28  | .38  | .32  | .27  | .26 |
| 10.0 | .39                   | .31  | .25  | .38  | .30  | .25  | .37                             | .30  | .25  | .36  | .30  | .25  | .35  | .29  | .25  | .23 |



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 24.1DEG  
 Operators: Bo Zou  
 Test Date: 2021-05-17

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.291  
 Humidity: 33.6%  
 Test Distance: 10.149m [K=1.0000]  
 Remarks: standard: GB/T 9468-2008

Checker: Bo Zou

Assessor: Chunbo Zou

## 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  | .310                  | .176 | .056 | .302 | .173 | .055 | .289                             | .166 | .053 | .277 | .160 | .051 | .266 | .154 | .050 |   |
| 2.0  | .292                  | .160 | .049 | .285 | .157 | .048 | .273                             | .152 | .047 | .263 | .147 | .046 | .253 | .143 | .045 |   |
| 3.0  | .270                  | .144 | .043 | .264 | .141 | .043 | .254                             | .138 | .042 | .244 | .134 | .041 | .235 | .130 | .040 |   |
| 4.0  | .249                  | .129 | .038 | .244 | .128 | .038 | .235                             | .124 | .037 | .226 | .121 | .037 | .218 | .118 | .036 |   |
| 5.0  | .230                  | .117 | .034 | .226 | .116 | .034 | .217                             | .113 | .033 | .210 | .111 | .033 | .202 | .108 | .033 |   |
| 6.0  | .213                  | .107 | .031 | .209 | .106 | .030 | .202                             | .103 | .030 | .195 | .101 | .030 | .189 | .099 | .029 |   |
| 7.0  | .198                  | .098 | .028 | .195 | .097 | .028 | .188                             | .095 | .027 | .182 | .093 | .027 | .176 | .092 | .027 |   |
| 8.0  | .185                  | .090 | .025 | .182 | .090 | .025 | .176                             | .088 | .025 | .171 | .086 | .025 | .165 | .085 | .025 |   |
| 9.0  | .173                  | .084 | .023 | .171 | .083 | .023 | .165                             | .082 | .023 | .160 | .080 | .023 | .156 | .079 | .023 |   |
| 10.0 | .163                  | .078 | .022 | .160 | .077 | .022 | .156                             | .076 | .021 | .151 | .075 | .021 | .147 | .074 | .021 |   |

| 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  | .191                  | .191 | .191 | .163 | .163 | .163 | .111  | .111 | .111 | .064 | .064 | .064 | .020 | .020 | .020 |   |
| 1.0  | .181                  | .157 | .135 | .155 | .135 | .116 | .106  | .093 | .080 | .061 | .054 | .047 | .020 | .017 | .015 |   |
| 2.0  | .173                  | .133 | .099 | .148 | .115 | .086 | .102  | .079 | .060 | .059 | .046 | .035 | .019 | .015 | .011 |   |
| 3.0  | .166                  | .116 | .076 | .142 | .100 | .066 | .098  | .069 | .046 | .056 | .040 | .027 | .018 | .013 | .009 |   |
| 4.0  | .158                  | .103 | .060 | .136 | .089 | .052 | .093  | .062 | .037 | .054 | .036 | .022 | .017 | .012 | .007 |   |
| 5.0  | .151                  | .092 | .049 | .130 | .080 | .043 | .089  | .056 | .030 | .052 | .033 | .018 | .017 | .011 | .006 |   |
| 6.0  | .144                  | .084 | .041 | .124 | .073 | .036 | .085  | .051 | .025 | .049 | .030 | .015 | .016 | .010 | .005 |   |
| 7.0  | .137                  | .077 | .035 | .118 | .067 | .031 | .081  | .047 | .022 | .047 | .028 | .013 | .015 | .009 | .004 |   |
| 8.0  | .131                  | .071 | .031 | .112 | .062 | .027 | .078  | .044 | .019 | .045 | .026 | .011 | .015 | .008 | .004 |   |
| 9.0  | .125                  | .067 | .027 | .107 | .058 | .024 | .074  | .041 | .017 | .043 | .024 | .010 | .014 | .008 | .003 |   |
| 10.0 | .119                  | .062 | .025 | .103 | .054 | .021 | .071  | .038 | .015 | .041 | .023 | .009 | .013 | .007 | .003 |   |

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:24.1DEG  
 Operators:Bo Zou  
 Test Date:2021-05-17

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.291  
 Humidity:33.6%  
 Test Distance:10.149m [K=1.0000]  
 Remarks: standard: GB/T 9468-2008

Checker: Bo Zou

Assessor: Chunbo Zou

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                                      | 15.1             | 16.7 | 15.4 | 16.9 | 17.1 | 15.5           | 17.0 | 15.7 | 17.2 | 17.4 |
| 3H   | 16.5             | 17.9 | 16.8 | 18.2 | 18.4 | 17.0           | 18.4 | 17.3 | 18.7 | 18.9 |
| 4H   | 17.0             | 18.3 | 17.3 | 18.6 | 18.9 | 17.6           | 19.0 | 17.9 | 19.2 | 19.5 |
| 6H   | 17.3             | 18.5 | 17.6 | 18.8 | 19.1 | 18.0           | 19.3 | 18.3 | 19.5 | 19.8 |
| 8H   | 17.3             | 18.5 | 17.6 | 18.8 | 19.1 | 18.1           | 19.3 | 18.4 | 19.6 | 19.9 |
| 12H  | 17.3             | 18.5 | 17.7 | 18.8 | 19.1 | 18.1           | 19.3 | 18.5 | 19.6 | 19.9 |
| 4H 2H  | 15.8             | 17.1 | 16.1 | 17.4 | 17.6 | 16.0           | 17.4 | 16.3 | 17.6 | 17.9 |
| 3H   | 17.3             | 18.5 | 17.7 | 18.8 | 19.1 | 17.7           | 18.9 | 18.1 | 19.2 | 19.5 |
| 4H   | 17.9             | 19.0 | 18.3 | 19.3 | 19.7 | 18.5           | 19.5 | 18.8 | 19.9 | 20.2 |
| 6H   | 18.3             | 19.2 | 18.7 | 19.6 | 19.9 | 18.9           | 19.9 | 19.3 | 20.3 | 20.6 |
| 8H   | 18.3             | 19.2 | 18.8 | 19.6 | 20.0 | 19.1           | 20.0 | 19.5 | 20.3 | 20.7 |
| 12H  | 18.4             | 19.2 | 18.8 | 19.6 | 20.0 | 19.1           | 20.0 | 19.6 | 20.3 | 20.8 |
| 8H 4H  | 18.1             | 19.0 | 18.6 | 19.4 | 19.8 | 18.6           | 19.5 | 19.1 | 19.9 | 20.3 |
| 6H   | 18.6             | 19.4 | 19.1 | 19.8 | 20.2 | 19.3           | 20.0 | 19.7 | 20.4 | 20.8 |
| 8H   | 18.7             | 19.4 | 19.2 | 19.8 | 20.3 | 19.5           | 20.1 | 19.9 | 20.5 | 21.0 |
| 12H  | 18.8             | 19.4 | 19.3 | 19.8 | 20.3 | 19.6           | 20.1 | 20.0 | 20.6 | 21.1 |
| 12H 4H   | 18.2             | 19.0 | 18.6 | 19.4 | 19.8 | 18.6           | 19.4 | 19.1 | 19.8 | 20.3 |
| 6H   | 18.6             | 19.3 | 19.1 | 19.7 | 20.2 | 19.3           | 19.9 | 19.7 | 20.4 | 20.8 |
| 8H   | 18.8             | 19.4 | 19.3 | 19.8 | 20.3 | 19.5           | 20.1 | 20.0 | 20.5 | 21.0 |
| Variations with the observer position at spacings: |                  |      |      |      |      |                |      |      |      |      |
| S = 1.0H   | + 0.2 / - 0.2    |      |      |      |      | + 0.2 / - 0.2  |      |      |      |      |
| 1.5H   | + 0.2 / - 0.4    |      |      |      |      | + 0.2 / - 0.3  |      |      |      |      |
| 2.0H   | + 0.2 / - 0.3    |      |      |      |      | + 0.2 / - 0.3  |      |      |      |      |

CIE Pub.117 Corrected 527.5 lm Total Lamp Luminous Flux.(8log(F/F0) = -2.2)

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:24.1DEG  
 Operators:Bo Zou  
 Test Date:2021-05-17

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.291  
 Humidity:33.6%  
 Test Distance:10.149m [K=1.0000]  
 Remarks: standard: GB/T 9468-2008

Checker: Bo Zou

Assessor: Chunbo Zou

## 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) $k(RI) \times RCR = 5$ |     |           |     |     |     |     |               |     |        |
| $k = 0.60$                       | 56   | 45  | 38        | 55  | 44  | 38  | 54  | 44            | 37  | 31     |
| 0.80                             | 66   | 55  | 47        | 65  | 54  | 47  | 63  | 53            | 47  | 40     |
| 1.00                             | 75   | 63  | 56        | 73  | 63  | 56  | 71  | 64            | 55  | 48     |
| 1.25                             | 82   | 71  | 64        | 80  | 70  | 64  | 77  | 69            | 63  | 55     |
| 1.50                             | 87   | 77  | 70        | 85  | 76  | 69  | 82  | 74            | 68  | 61     |
| 2.00                             | 94   | 85  | 78        | 92  | 84  | 78  | 88  | 82            | 76  | 68     |
| 2.50                             | 98   | 90  | 84        | 95  | 88  | 83  | 92  | 86            | 81  | 72     |
| 3.00                             | 101  | 94  | 88        | 99  | 92  | 87  | 95  | 89            | 85  | 77     |
| 4.00                             | 105  | 99  | 95        | 103 | 97  | 93  | 98  | 94            | 90  | 82     |
| 5.00                             | 107  | 103 | 98        | 105 | 101 | 97  | 100 | 97            | 94  | 85     |
| ROOM INDEX                       | UF (total)   |     |           |     |     |     |     |               |     | Direct |
| According to DIN EN 13032-2 2004 |  |     | Suspended |     |     |     |     | SHRNOM = 1.25 |     |        |

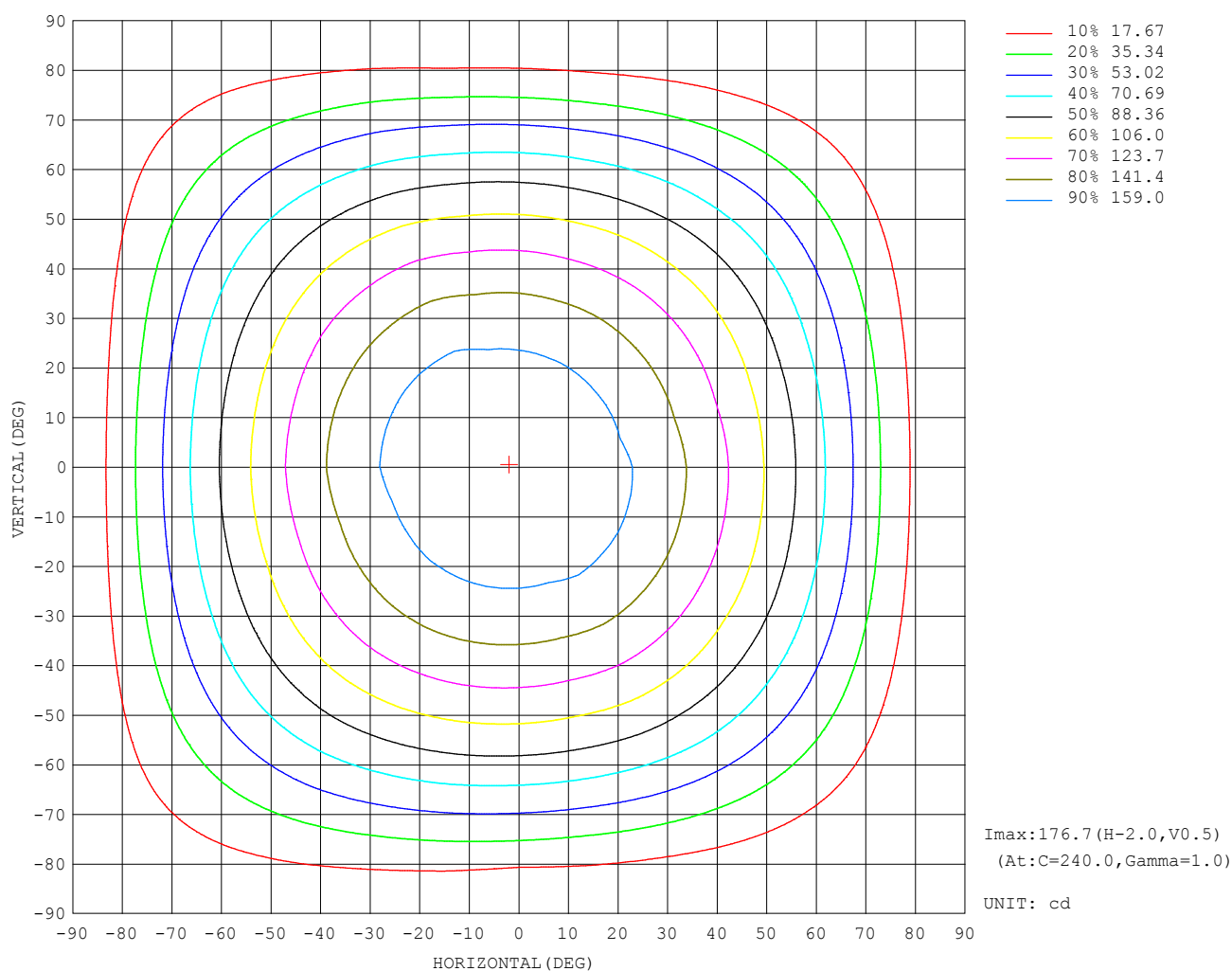
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 24.1DEG  
 Operators: Bo Zou  
 Test Date: 2021-05-17

Checker: Bo Zou

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.291  
 Humidity: 33.6%  
 Test Distance: 10.149m [K=1.0000]  
 Remarks: standard: GB/T 9468-2008

Assessor: Chunbo Zou

## ISOCANDELA DIAGRAM



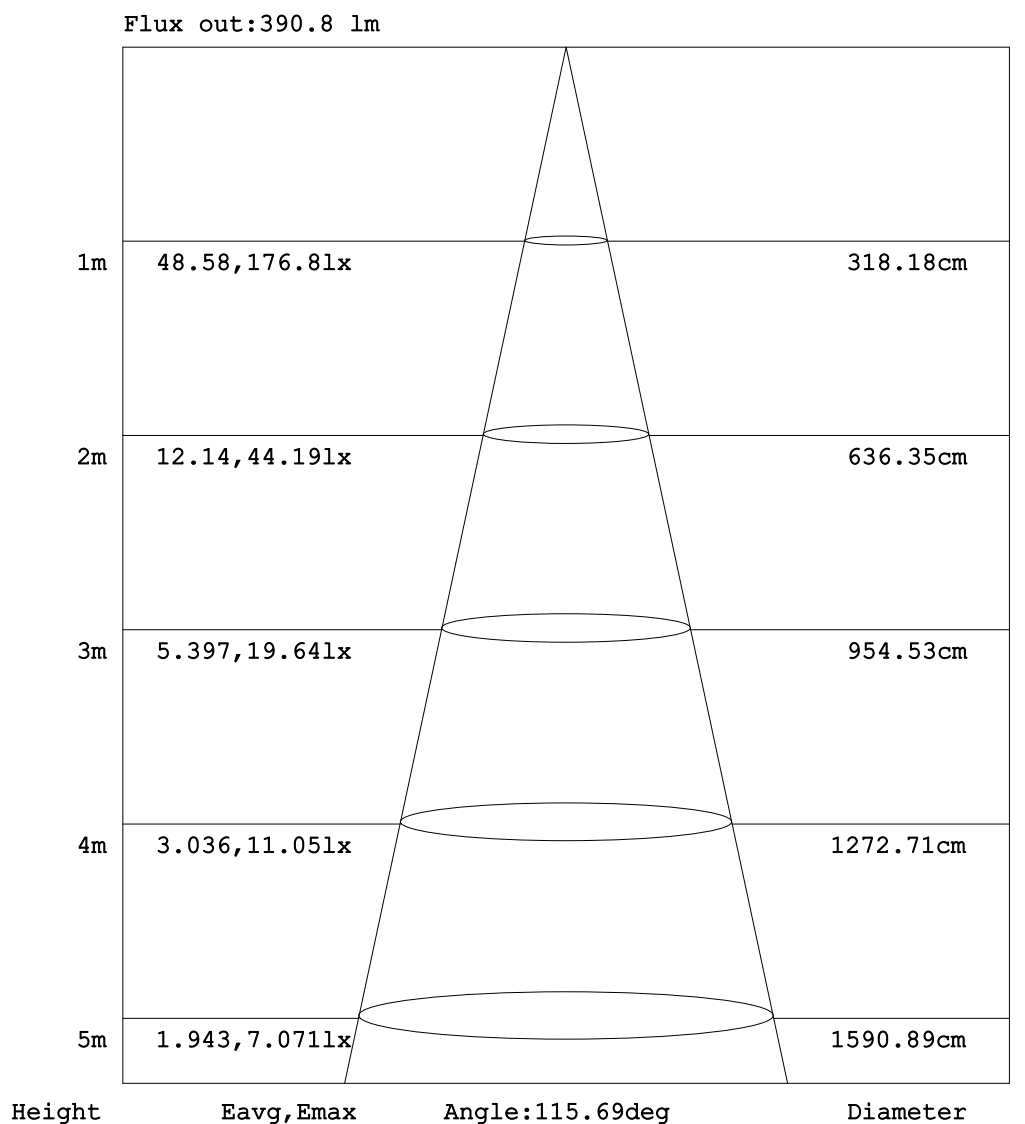
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 24.1DEG  
Operators: Bo Zou  
Test Date: 2021-05-17

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.291  
Humidity: 33.6%  
Test Distance: 10.149m [K=1.0000]  
Remarks: standard: GB/T 9468-2008

Checker: Bo Zou

Assessor: Chunbo Zou

## AAI Figure



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

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 24.1DEG  
Operators: Bo Zou  
Test Date: 2021-05-17

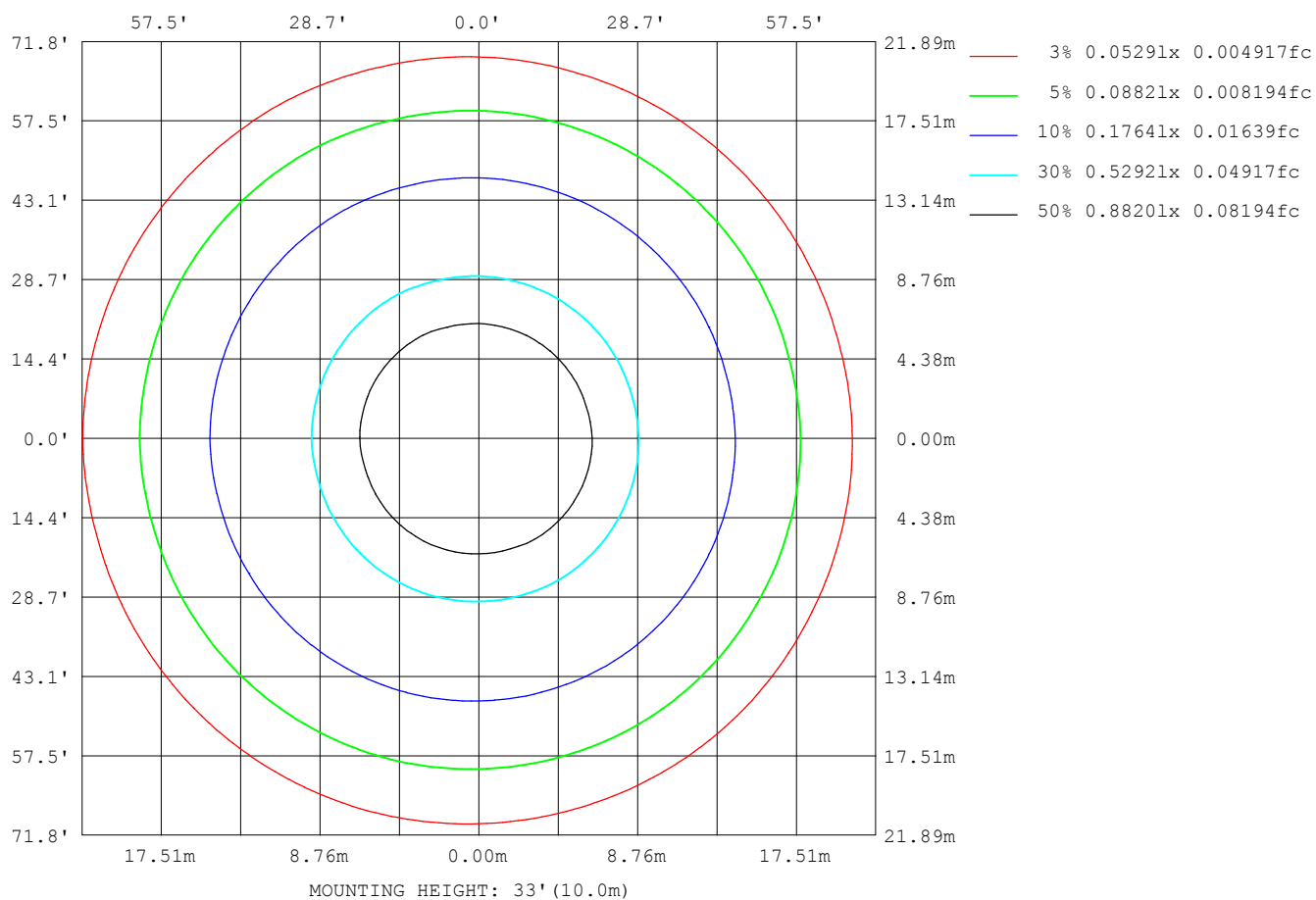
$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.291  
Humidity: 33.6%  
Test Distance: 10.149m [K=1.0000]  
Remarks: standard: GB/T 9468-2008

Checker: Bo Zou

Assessor: Chunbo Zou



## ISOLUX DIAGRAM



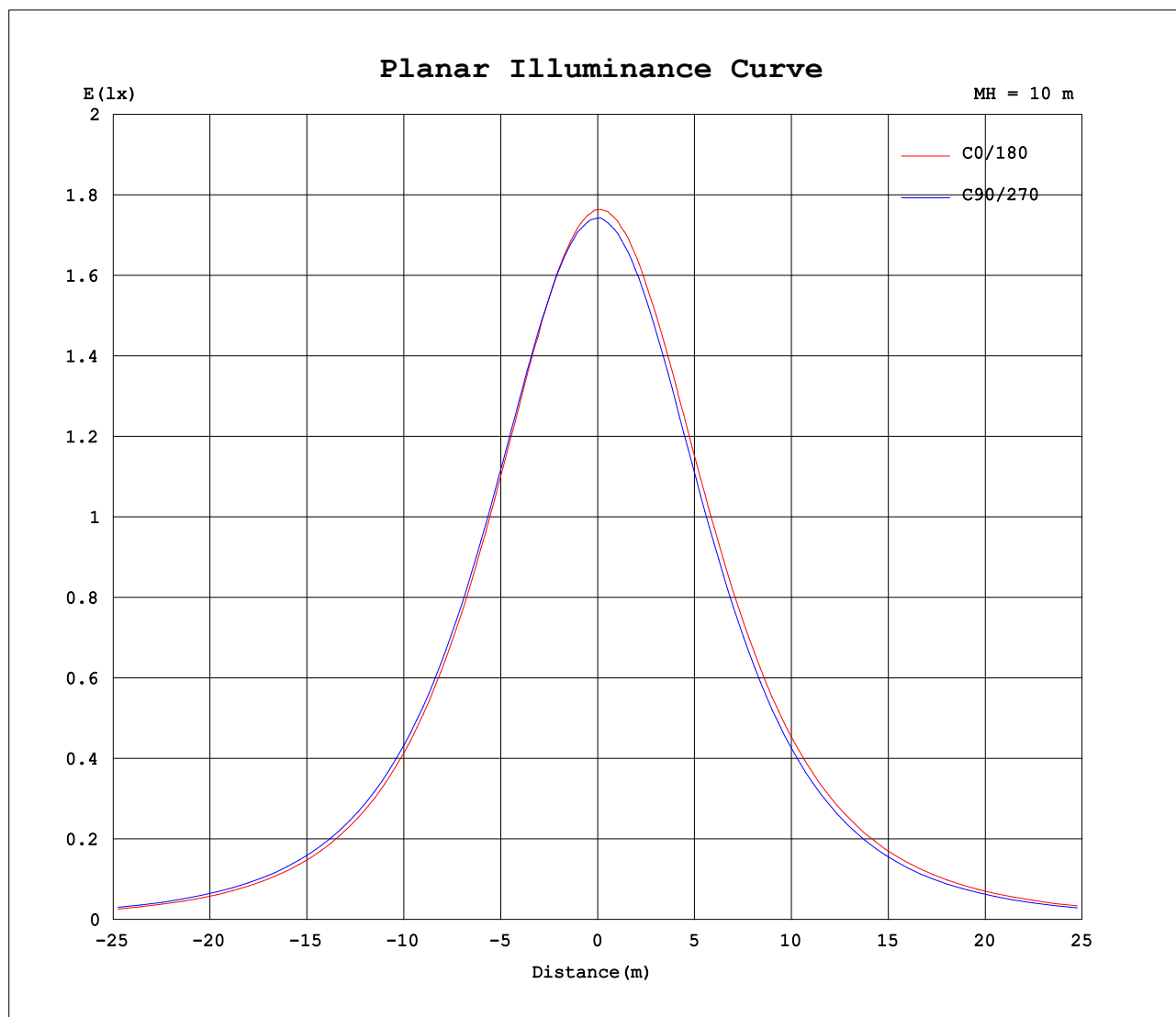
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 24.1DEG  
Operators: Bo Zou  
Test Date: 2021-05-17

Checker: Bo Zou

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.291  
Humidity: 33.6%  
Test Distance: 10.149m [K=1.0000]  
Remarks: standard: GB/T 9468-2008

Assessor: Chunbo Zou

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 24.1DEG  
Operators: Bo Zou  
Test Date: 2021-05-17

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.291  
Humidity: 33.6%  
Test Distance: 10.149m [K=1.0000]  
Remarks: standard: GB/T 9468-2008

Checker: Bo Zou

Assessor: Chunbo Zou

## LUMINOUS DISTRIBUTION INTENSITY DATA

Table--1

UNIT: cd

| C (DEG)<br>γ (DEG) | 0    | 15   | 30   | 45   | 60   | 75   | 90   | 105  | 120  | 135  | 150  | 165  | 180  | 195  | 210  | 225  | 240  | 255  | 270  |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0                  | 176  | 176  | 176  | 176  | 177  | 174  | 174  | 174  | 174  | 174  | 174  | 174  | 176  | 176  | 176  | 176  | 177  | 174  | 174  |
| 5                  | 175  | 175  | 175  | 175  | 175  | 174  | 174  | 174  | 173  | 174  | 173  | 174  | 176  | 176  | 176  | 176  | 176  | 174  | 173  |
| 10                 | 172  | 172  | 173  | 173  | 174  | 172  | 172  | 172  | 172  | 172  | 172  | 173  | 175  | 175  | 175  | 175  | 174  | 172  | 171  |
| 15                 | 168  | 169  | 169  | 169  | 170  | 168  | 169  | 169  | 169  | 169  | 170  | 170  | 172  | 172  | 172  | 172  | 171  | 169  | 168  |
| 20                 | 163  | 163  | 164  | 164  | 165  | 164  | 164  | 165  | 165  | 165  | 166  | 166  | 168  | 168  | 168  | 167  | 167  | 164  | 163  |
| 25                 | 156  | 157  | 157  | 158  | 159  | 158  | 158  | 159  | 159  | 160  | 160  | 160  | 163  | 163  | 162  | 162  | 161  | 158  | 157  |
| 30                 | 148  | 149  | 149  | 150  | 151  | 150  | 151  | 152  | 153  | 153  | 154  | 154  | 156  | 156  | 155  | 154  | 154  | 151  | 150  |
| 35                 | 139  | 140  | 140  | 141  | 142  | 142  | 143  | 144  | 144  | 145  | 146  | 146  | 148  | 148  | 147  | 147  | 146  | 143  | 141  |
| 40                 | 129  | 129  | 130  | 131  | 132  | 132  | 133  | 134  | 135  | 136  | 136  | 137  | 139  | 138  | 138  | 137  | 136  | 133  | 132  |
| 45                 | 117  | 118  | 119  | 120  | 121  | 121  | 122  | 124  | 125  | 125  | 126  | 126  | 128  | 128  | 127  | 126  | 125  | 122  | 121  |
| 50                 | 105  | 105  | 106  | 107  | 109  | 109  | 110  | 112  | 113  | 114  | 114  | 115  | 117  | 116  | 115  | 114  | 113  | 110  | 108  |
| 55                 | 90.8 | 91.5 | 92.5 | 93.9 | 95.2 | 96.2 | 97.2 | 98.8 | 100  | 101  | 102  | 102  | 104  | 103  | 102  | 101  | 99.6 | 96.9 | 95.1 |
| 60                 | 76.1 | 76.9 | 77.8 | 79.4 | 80.8 | 81.7 | 83.2 | 84.8 | 86.1 | 87.2 | 87.7 | 88.3 | 89.8 | 88.9 | 88.0 | 86.8 | 85.4 | 82.6 | 80.8 |
| 65                 | 60.8 | 61.4 | 62.3 | 63.9 | 65.3 | 66.4 | 68.0 | 69.9 | 71.2 | 72.3 | 73.1 | 73.4 | 74.7 | 73.9 | 73.0 | 71.4 | 70.0 | 67.2 | 65.5 |
| 70                 | 44.8 | 45.4 | 46.3 | 47.8 | 49.3 | 50.6 | 52.3 | 54.2 | 55.6 | 56.9 | 57.6 | 58.1 | 59.0 | 58.2 | 57.2 | 55.6 | 54.1 | 51.4 | 49.7 |
| 75                 | 29.0 | 29.6 | 30.4 | 31.8 | 33.2 | 34.5 | 36.3 | 38.2 | 39.7 | 41.0 | 41.7 | 42.2 | 42.9 | 42.0 | 40.9 | 39.4 | 37.7 | 35.4 | 33.7 |
| 80                 | 14.8 | 15.2 | 15.8 | 16.9 | 18.0 | 19.3 | 19.9 | 22.8 | 24.2 | 25.6 | 26.2 | 26.7 | 27.1 | 26.2 | 25.2 | 23.6 | 22.2 | 19.5 | 18.7 |
| 85                 | 4.64 | 4.85 | 5.08 | 5.62 | 6.29 | 7.16 | 5.74 | 9.55 | 10.9 | 12.0 | 12.7 | 13.1 | 13.2 | 12.5 | 11.6 | 10.3 | 9.05 | 7.60 | 6.38 |
| 90                 | 0.74 | 0.65 | 0.66 | 0.59 | 0.66 | 0.81 | 0.00 | 1.74 | 2.38 | 2.92 | 3.35 | 3.60 | 3.51 | 3.04 | 2.59 | 1.99 | 1.51 | 1.07 | 0.00 |
| 95                 | 0.17 | 0.09 | 0.12 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.02 | 0.03 | 0.08 | 0.01 | 0.02 | 0.00 | 0.00 | 0.00 |
| 100                | 0.05 | 0.03 | 0.02 | 0.04 | 0.00 | 0.02 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 105                | 0.06 | 0.08 | 0.05 | 0.08 | 0.07 | 0.09 | 0.06 | 0.07 | 0.03 | 0.06 | 0.00 | 0.04 | 0.02 | 0.00 | 0.02 | 0.00 | 0.02 | 0.00 | 0.05 |
| 110                | 0.08 | 0.14 | 0.07 | 0.14 | 0.06 | 0.14 | 0.06 | 0.13 | 0.06 | 0.11 | 0.06 | 0.10 | 0.06 | 0.03 | 0.07 | 0.06 | 0.09 | 0.06 | 0.11 |
| 115                | 0.15 | 0.21 | 0.17 | 0.21 | 0.14 | 0.20 | 0.14 | 0.18 | 0.12 | 0.17 | 0.09 | 0.16 | 0.12 | 0.06 | 0.13 | 0.06 | 0.14 | 0.08 | 0.17 |
| 120                | 0.19 | 0.26 | 0.19 | 0.25 | 0.18 | 0.27 | 0.18 | 0.24 | 0.16 | 0.23 | 0.16 | 0.21 | 0.17 | 0.10 | 0.18 | 0.14 | 0.21 | 0.15 | 0.22 |
| 125                | 0.26 | 0.32 | 0.26 | 0.32 | 0.25 | 0.32 | 0.25 | 0.29 | 0.21 | 0.29 | 0.19 | 0.27 | 0.22 | 0.17 | 0.24 | 0.19 | 0.25 | 0.19 | 0.27 |
| 130                | 0.29 | 0.36 | 0.29 | 0.36 | 0.30 | 0.36 | 0.29 | 0.35 | 0.28 | 0.32 | 0.26 | 0.32 | 0.27 | 0.20 | 0.28 | 0.23 | 0.31 | 0.26 | 0.33 |
| 135                | 0.35 | 0.42 | 0.35 | 0.41 | 0.34 | 0.41 | 0.34 | 0.40 | 0.31 | 0.38 | 0.32 | 0.37 | 0.32 | 0.28 | 0.35 | 0.28 | 0.36 | 0.30 | 0.37 |
| 140                | 0.43 | 0.47 | 0.41 | 0.47 | 0.41 | 0.45 | 0.42 | 0.43 | 0.39 | 0.43 | 0.35 | 0.41 | 0.38 | 0.31 | 0.39 | 0.32 | 0.41 | 0.34 | 0.42 |
| 145                | 0.43 | 0.50 | 0.43 | 0.50 | 0.43 | 0.48 | 0.42 | 0.49 | 0.41 | 0.47 | 0.41 | 0.47 | 0.42 | 0.35 | 0.43 | 0.39 | 0.46 | 0.41 | 0.47 |
| 150                | 0.49 | 0.54 | 0.47 | 0.54 | 0.47 | 0.53 | 0.45 | 0.51 | 0.44 | 0.50 | 0.43 | 0.50 | 0.47 | 0.41 | 0.48 | 0.42 | 0.50 | 0.43 | 0.50 |
| 155                | 0.58 | 0.57 | 0.58 | 0.58 | 0.58 | 0.56 | 0.55 | 0.56 | 0.55 | 0.54 | 0.46 | 0.52 | 0.50 | 0.43 | 0.51 | 0.44 | 0.53 | 0.46 | 0.53 |
| 160                | 0.58 | 0.59 | 0.57 | 0.58 | 0.58 | 0.58 | 0.56 | 0.57 | 0.57 | 0.57 | 0.58 | 0.58 | 0.54 | 0.54 | 0.54 | 0.56 | 0.55 | 0.57 | 0.57 |
| 165                | 0.58 | 0.59 | 0.57 | 0.58 | 0.58 | 0.58 | 0.56 | 0.57 | 0.57 | 0.57 | 0.58 | 0.58 | 0.57 | 0.56 | 0.57 | 0.57 | 0.56 | 0.56 | 0.58 |
| 170                | 0.58 | 0.59 | 0.57 | 0.58 | 0.58 | 0.58 | 0.57 | 0.57 | 0.57 | 0.57 | 0.58 | 0.58 | 0.57 | 0.56 | 0.58 | 0.57 | 0.57 | 0.57 | 0.58 |
| 175                | 0.58 | 0.59 | 0.57 | 0.58 | 0.58 | 0.58 | 0.57 | 0.57 | 0.57 | 0.57 | 0.58 | 0.58 | 0.58 | 0.57 | 0.58 | 0.57 | 0.57 | 0.57 | 0.58 |
| 180                | 0.58 | 0.59 | 0.58 | 0.58 | 0.58 | 0.58 | 0.58 | 0.58 | 0.58 | 0.58 | 0.58 | 0.58 | 0.58 | 0.58 | 0.58 | 0.58 | 0.58 | 0.58 | 0.58 |

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:24.1DEG  
Operators:Bo Zou  
Test Date:2021-05-17

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.291  
Humidity:33.6%  
Test Distance:10.149m [K=1.0000]  
Remarks: standard: GB/T 9468-2008

Checker: Bo Zou

Assessor: Chunbo Zou

## LUMINOUS DISTRIBUTION INTENSITY DATA

Table--2

UNIT: cd

| C (DEG)<br>γ (DEG) | 285  | 300  | 315  | 330  | 345  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--------------------|------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 0                  | 174  | 174  | 174  | 174  | 174  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5                  | 173  | 172  | 172  | 173  | 172  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10                 | 171  | 170  | 170  | 170  | 170  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 15                 | 167  | 167  | 166  | 166  | 166  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 20                 | 162  | 162  | 161  | 161  | 161  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 25                 | 156  | 155  | 154  | 154  | 154  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30                 | 149  | 148  | 147  | 146  | 146  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 35                 | 140  | 139  | 138  | 137  | 137  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 40                 | 130  | 129  | 128  | 127  | 127  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 45                 | 119  | 118  | 117  | 116  | 116  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 50                 | 107  | 106  | 104  | 104  | 103  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 55                 | 93.3 | 92.1 | 90.9 | 90.3 | 89.9 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 60                 | 79.0 | 77.7 | 76.5 | 75.8 | 75.2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 65                 | 63.7 | 62.5 | 61.2 | 60.5 | 60.0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 70                 | 47.8 | 46.7 | 45.4 | 44.9 | 44.3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 75                 | 32.1 | 31.0 | 29.8 | 29.3 | 28.8 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 80                 | 17.3 | 16.5 | 15.6 | 15.2 | 14.8 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 85                 | 4.91 | 5.64 | 5.27 | 5.09 | 4.82 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 90                 | 0.62 | 0.74 | 0.82 | 0.80 | 0.85 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 95                 | 0.00 | 0.00 | 0.08 | 0.06 | 0.19 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 100                | 0.00 | 0.01 | 0.00 | 0.00 | 0.01 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 105                | 0.01 | 0.06 | 0.01 | 0.05 | 0.02 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 110                | 0.06 | 0.10 | 0.06 | 0.10 | 0.06 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 115                | 0.09 | 0.17 | 0.09 | 0.16 | 0.09 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 120                | 0.16 | 0.22 | 0.17 | 0.22 | 0.15 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 125                | 0.20 | 0.27 | 0.20 | 0.27 | 0.20 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 130                | 0.26 | 0.32 | 0.26 | 0.32 | 0.27 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 135                | 0.31 | 0.37 | 0.30 | 0.37 | 0.30 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 140                | 0.35 | 0.42 | 0.35 | 0.41 | 0.33 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 145                | 0.42 | 0.45 | 0.41 | 0.46 | 0.41 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 150                | 0.43 | 0.49 | 0.43 | 0.49 | 0.43 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 155                | 0.49 | 0.52 | 0.48 | 0.52 | 0.47 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 160                | 0.57 | 0.58 | 0.55 | 0.56 | 0.58 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 165                | 0.57 | 0.58 | 0.58 | 0.57 | 0.56 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 170                | 0.57 | 0.58 | 0.58 | 0.57 | 0.57 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 175                | 0.57 | 0.57 | 0.58 | 0.57 | 0.57 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 180                | 0.57 | 0.57 | 0.58 | 0.58 | 0.58 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:24.1DEG  
 Operators:Bo Zou  
 Test Date:2021-05-17

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.291  
 Humidity:33.6%  
 Test Distance:10.149m [K=1.0000]  
 Remarks: standard: GB/T 9468-2008

Checker: Bo Zou

Assessor: Chunbo Zou