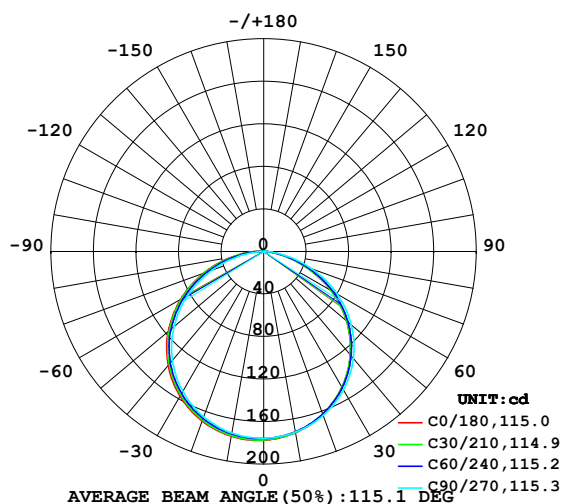


LUMINAIRE PHOTOMETRIC TEST REPORT

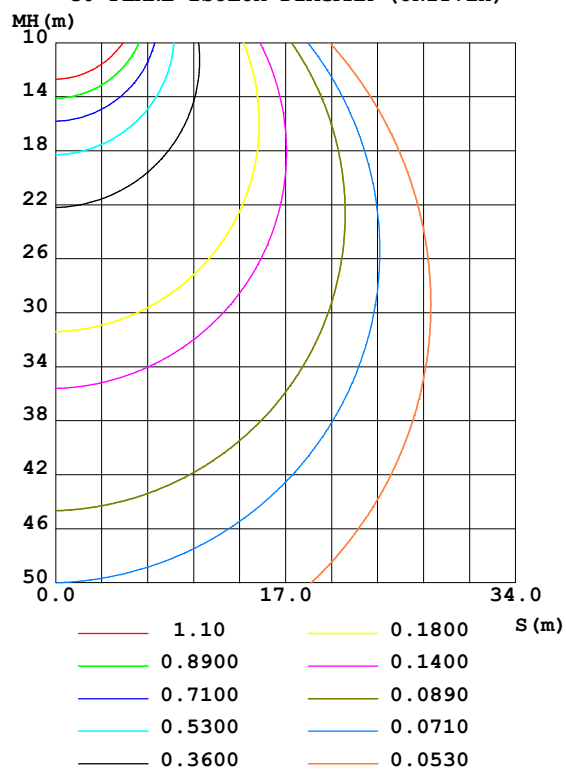
| | | |
|--|-------------------|-------------|
| Test:U:24.0V I:0.207A P:4.97W PF:1.000 Freq:0Hz Lamp Flux:523.432x1 lm | | |
| NAME: LED Soft light bar | SUR.:1.0m*0.0046m | SERIAL No.: |
| MFR.: EKLART | | |
| | | |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 105.36 lm/W | | | |
|------------------|------------|-----------------------------------|--------|------------------------|----------|
| MODEL | EKF54484MM | Imax(cd) | 177.8 | S/MH(C0/180) | 1.32 |
| NOMINAL POWER(W) | 5 | LOR(%) | 100.0 | S/MH(C90/270) | 1.29 |
| RATED VOLTAGE(V) | 24 | TOTAL FLUX(lm) | 523.43 | η UP,DN(C0-180) | 0.3,48.9 |
| NOMINAL FLUX(lm) | 523.432 | CIE CLASS | DIRECT | η UP,DN(C180-360) | 0.3,50.4 |
| LAMPS INSIDE | 1 | η up(%) | 0.6 | CIBSE SHR NOM | 1.25 |
| TEST VOLTAGE(V) | 24 | η down(%) | 99.4 | 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:24.7DEG
Operators:Lingxin Xie
Test Date:2022-07-20

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.291
Humidity:54.2%
Test Distance:10.149m [K=1.0000]
Remarks:

Checker: Jianfei Wu

Assessor: Lijian Jiang

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ | Φ zone | Φ total | %lum, lamp |
|----------|-----------------------|--------|--------|--------|--------|--------|--------|--------|----------|-------------|--------------|------------|
| 10 | 173.0 | 172.5 | 172.4 | 175.0 | 176.4 | 175.8 | 173.2 | 172.8 | 0- 10 | 16.72 | 16.72 | 3.19,3.19 |
| 20 | 162.8 | 162.5 | 163.9 | 167.7 | 169.6 | 168.9 | 165.4 | 163.4 | 10- 20 | 48.06 | 64.78 | 12.4,12.4 |
| 30 | 147.4 | 147.4 | 150.1 | 155.1 | 157.4 | 156.4 | 152.1 | 148.7 | 20- 30 | 73.36 | 138.1 | 26.4,26.4 |
| 40 | 126.9 | 127.4 | 131.3 | 137.2 | 139.8 | 138.4 | 133.6 | 129.0 | 30- 40 | 89.32 | 227.5 | 43.5,43.5 |
| 50 | 101.8 | 102.3 | 107.5 | 114.2 | 117.3 | 115.7 | 110.0 | 104.6 | 40- 50 | 93.68 | 321.1 | 61.4,61.4 |
| 60 | 72.76 | 73.68 | 79.70 | 87.12 | 90.15 | 88.73 | 82.50 | 76.10 | 50- 60 | 85.38 | 406.5 | 77.7,77.7 |
| 70 | 41.34 | 42.46 | 48.49 | 56.91 | 60.31 | 58.06 | 51.69 | 44.56 | 60- 70 | 65.34 | 471.9 | 90.1,90.1 |
| 80 | 14.18 | 14.01 | 17.89 | 26.34 | 29.99 | 26.97 | 20.53 | 15.57 | 70- 80 | 37.05 | 508.9 | 97.2,97.2 |
| 90 | 1.848 | 1.156 | 0.1581 | 4.835 | 7.747 | 5.135 | 1.065 | 1.491 | 80- 90 | 11.12 | 520.0 | 99.4,99.4 |
| 100 | 0.2490 | 0.2001 | 0.1742 | 0.1720 | 0.4501 | 0.1285 | 0.1343 | 0.1704 | 90-100 | 1.075 | 521.1 | 99.6,99.6 |
| 110 | 0.2964 | 0.3026 | 0.2775 | 0.2585 | 0.2013 | 0.2008 | 0.2414 | 0.2582 | 100-110 | 0.2212 | 521.3 | 99.6,99.6 |
| 120 | 0.4131 | 0.4212 | 0.4055 | 0.3794 | 0.3121 | 0.3118 | 0.3622 | 0.3673 | 110-120 | 0.3091 | 521.6 | 99.7,99.7 |
| 130 | 0.5166 | 0.5284 | 0.5131 | 0.4959 | 0.4233 | 0.4269 | 0.4768 | 0.4784 | 120-130 | 0.3823 | 522.0 | 99.7,99.7 |
| 140 | 0.6049 | 0.6222 | 0.6030 | 0.5935 | 0.5286 | 0.5340 | 0.5724 | 0.5722 | 130-140 | 0.4108 | 522.4 | 99.8,99.8 |
| 150 | 0.6796 | 0.6969 | 0.6795 | 0.6739 | 0.6222 | 0.6221 | 0.6567 | 0.6508 | 140-150 | 0.3894 | 522.8 | 99.9,99.9 |
| 160 | 0.7466 | 0.7486 | 0.7331 | 0.7353 | 0.7045 | 0.6929 | 0.7199 | 0.7217 | 150-160 | 0.3203 | 523.1 | 99.9,99.9 |
| 170 | 0.7887 | 0.7907 | 0.7848 | 0.7830 | 0.7773 | 0.7581 | 0.7792 | 0.7677 | 160-170 | 0.2126 | 523.4 | 100,100 |
| 180 | 0.8194 | 0.8040 | 0.8021 | 0.8060 | 0.8174 | 0.7945 | 0.8060 | 0.8098 | 170-180 | 0.0754 | 523.4 | 100,100 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

Conical surface Flux(90deg): 274.55 lm

%lum = 52.5%

%lamp = 52.5%

Conical surface Flux(120deg): 406.53 lm

%lum = 77.7%

%lamp = 77.7%

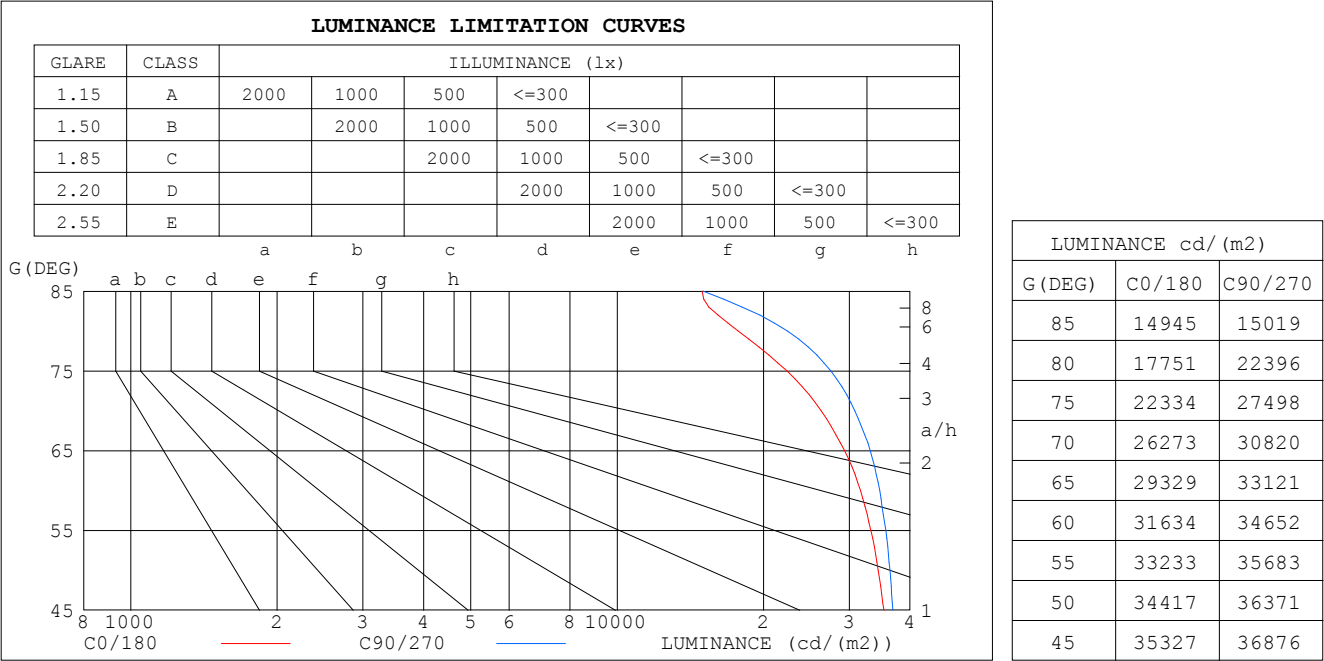
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:24.7DEG
 Operators:Lingxin Xie
 Test Date:2022-07-20

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.291
 Humidity:54.2%
 Test Distance:10.149m [K=1.0000]
 Remarks:

Checker: Jianfei Wu

Assessor: Lijian Jiang

LUMINANCE LIMITATION CURVES



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:24.7DEG
Operators:Lingxin Xie
Test Date:2022-07-20

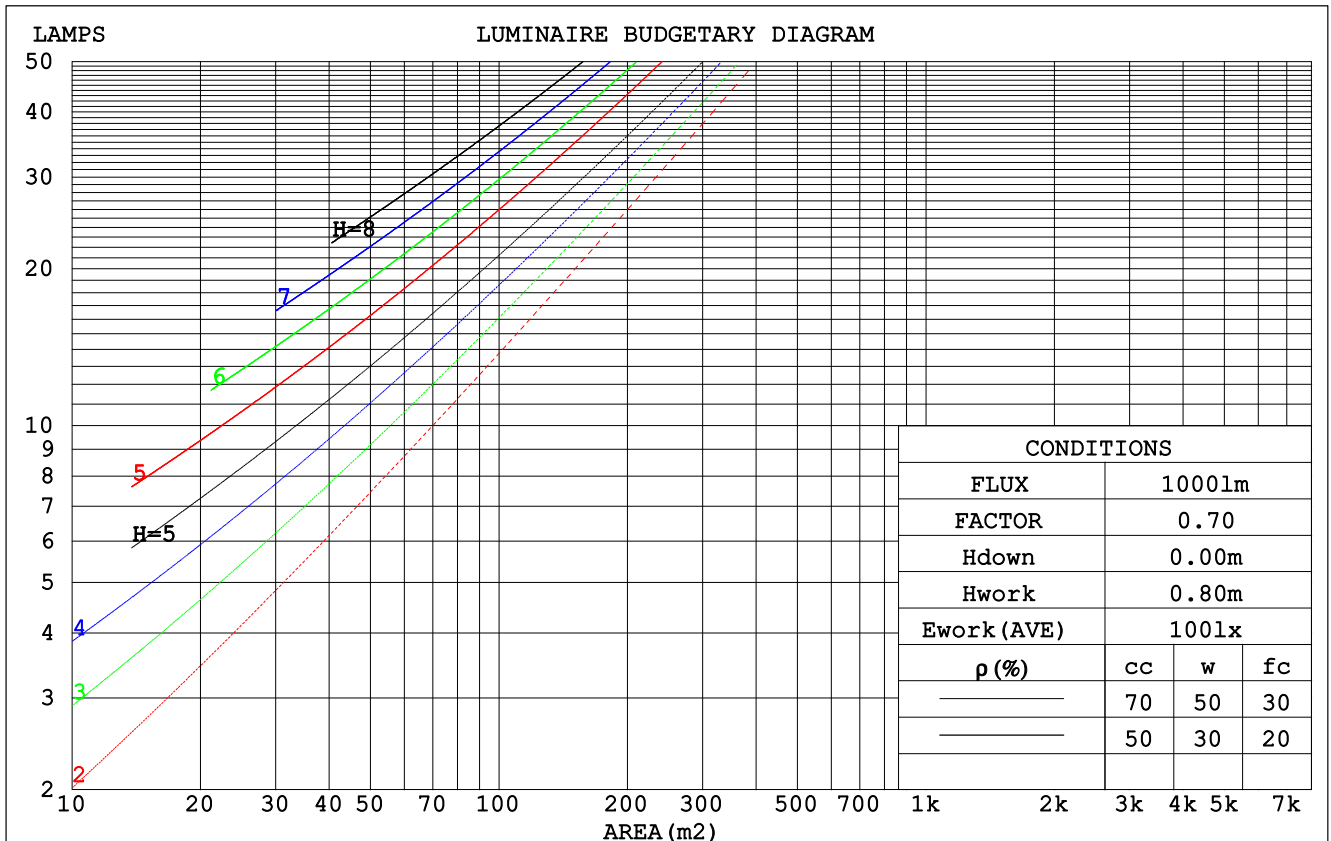
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.291
Humidity:54.2%
Test Distance:10.149m [K=1.0000]
Remarks:

Checker: Jianfei Wu

Assessor: Lijian Jiang

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 | 1.19 | 1.19 | 1.19 | 1.16 | 1.16 | 1.16 | 1.11 | 1.11 | 1.11 | 1.06 | 1.06 | 1.06 | 1.01 | 1.01 | 1.01 | .99 |
| 1.0 | 1.04 | .99 | .95 | 1.01 | .97 | .94 | .97 | .94 | .91 | .93 | .90 | .88 | .89 | .87 | .85 | .83 |
| 2.0 | .90 | .83 | .77 | .88 | .82 | .76 | .84 | .79 | .74 | .81 | .76 | .73 | .78 | .74 | .71 | .69 |
| 3.0 | .79 | .71 | .64 | .77 | .70 | .63 | .74 | .68 | .62 | .71 | .66 | .61 | .69 | .64 | .60 | .58 |
| 4.0 | .70 | .61 | .54 | .68 | .60 | .54 | .66 | .59 | .53 | .63 | .57 | .52 | .61 | .56 | .51 | .49 |
| 5.0 | .62 | .53 | .46 | .61 | .52 | .46 | .59 | .51 | .46 | .57 | .50 | .45 | .55 | .49 | .44 | .42 |
| 6.0 | .56 | .47 | .40 | .55 | .46 | .40 | .53 | .45 | .40 | .51 | .45 | .39 | .50 | .44 | .39 | .37 |
| 7.0 | .51 | .42 | .36 | .50 | .41 | .35 | .48 | .41 | .35 | .47 | .40 | .35 | .45 | .39 | .35 | .32 |
| 8.0 | .46 | .38 | .32 | .45 | .37 | .32 | .44 | .37 | .31 | .43 | .36 | .31 | .42 | .35 | .31 | .29 |
| 9.0 | .42 | .34 | .28 | .42 | .34 | .28 | .41 | .33 | .28 | .39 | .33 | .28 | .38 | .32 | .28 | .26 |
| 10.0 | .39 | .31 | .26 | .38 | .31 | .26 | .37 | .30 | .26 | .36 | .30 | .25 | .36 | .30 | .25 | .23 |



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.7DEG
 Operators: Lingxin Xie
 Test Date: 2022-07-20

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.291
 Humidity: 54.2%
 Test Distance: 10.149m [K=1.0000]
 Remarks:

Checker: Jianfei Wu

Assessor: Lijian Jiang

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 | .314 | .179 | .057 | .307 | .175 | .056 | .293 | .168 | .054 | .280 | .162 | .052 | .269 | .156 | .050 | |
| 2.0 | .295 | .161 | .050 | .288 | .159 | .049 | .276 | .153 | .048 | .265 | .149 | .047 | .255 | .144 | .045 | |
| 3.0 | .272 | .145 | .043 | .266 | .143 | .043 | .256 | .139 | .042 | .246 | .135 | .041 | .237 | .131 | .041 | |
| 4.0 | .251 | .130 | .038 | .246 | .129 | .038 | .236 | .125 | .037 | .228 | .122 | .037 | .219 | .119 | .036 | |
| 5.0 | .232 | .118 | .034 | .227 | .117 | .034 | .219 | .114 | .034 | .211 | .111 | .033 | .204 | .109 | .033 | |
| 6.0 | .215 | .108 | .031 | .211 | .107 | .031 | .203 | .104 | .030 | .196 | .102 | .030 | .190 | .100 | .030 | |
| 7.0 | .200 | .099 | .028 | .196 | .098 | .028 | .190 | .096 | .028 | .183 | .094 | .027 | .177 | .092 | .027 | |
| 8.0 | .187 | .091 | .026 | .183 | .090 | .026 | .177 | .089 | .025 | .172 | .087 | .025 | .166 | .085 | .025 | |
| 9.0 | .175 | .085 | .024 | .172 | .084 | .024 | .166 | .082 | .023 | .161 | .081 | .023 | .157 | .079 | .023 | |
| 10.0 | .164 | .079 | .022 | .162 | .078 | .022 | .157 | .077 | .022 | .152 | .076 | .021 | .148 | .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 | .195 | .195 | .195 | .167 | .167 | .167 | .114 | .114 | .114 | .065 | .065 | .065 | .021 | .021 | .021 | |
| 1.0 | .186 | .161 | .139 | .159 | .138 | .120 | .109 | .095 | .083 | .063 | .055 | .048 | .020 | .018 | .016 | |
| 2.0 | .178 | .137 | .103 | .152 | .118 | .089 | .104 | .082 | .062 | .060 | .047 | .036 | .019 | .015 | .012 | |
| 3.0 | .170 | .119 | .079 | .146 | .103 | .069 | .100 | .072 | .048 | .058 | .042 | .028 | .019 | .014 | .009 | |
| 4.0 | .162 | .106 | .063 | .139 | .092 | .055 | .096 | .064 | .039 | .055 | .037 | .023 | .018 | .012 | .008 | |
| 5.0 | .155 | .096 | .052 | .133 | .083 | .045 | .092 | .058 | .032 | .053 | .034 | .019 | .017 | .011 | .006 | |
| 6.0 | .148 | .087 | .044 | .127 | .076 | .038 | .088 | .053 | .027 | .051 | .031 | .016 | .016 | .010 | .005 | |
| 7.0 | .141 | .081 | .038 | .121 | .070 | .033 | .084 | .049 | .024 | .049 | .029 | .014 | .016 | .009 | .005 | |
| 8.0 | .134 | .075 | .034 | .116 | .065 | .029 | .080 | .046 | .021 | .047 | .027 | .012 | .015 | .009 | .004 | |
| 9.0 | .128 | .070 | .030 | .111 | .061 | .026 | .077 | .043 | .019 | .045 | .025 | .011 | .014 | .008 | .004 | |
| 10.0 | .123 | .065 | .027 | .106 | .057 | .024 | .073 | .040 | .017 | .043 | .024 | .010 | .014 | .008 | .003 | |

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:24.7DEG
 Operators:Lingxin Xie
 Test Date:2022-07-20

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.291
 Humidity:54.2%
 Test Distance:10.149m [K=1.0000]
 Remarks:

Checker: Jianfei Wu

Assessor: Lijian Jiang

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 | 26.9 | 28.5 | 27.2 | 28.7 | 28.9 | 27.3 | 28.8 | 27.6 | 29.0 | 29.2 |
| 3H | 28.2 | 29.6 | 28.5 | 29.9 | 30.1 | 28.7 | 30.2 | 29.1 | 30.4 | 30.7 |
| 4H | 28.7 | 30.0 | 29.0 | 30.3 | 30.6 | 29.3 | 30.6 | 29.6 | 30.9 | 31.2 |
| 6H | 28.9 | 30.2 | 29.3 | 30.5 | 30.8 | 29.6 | 30.9 | 30.0 | 31.2 | 31.5 |
| 8H | 29.0 | 30.2 | 29.3 | 30.5 | 30.8 | 29.7 | 30.9 | 30.0 | 31.2 | 31.5 |
| 12H | 29.0 | 30.2 | 29.4 | 30.5 | 30.8 | 29.7 | 30.9 | 30.1 | 31.2 | 31.5 |
| 4H 2H | 27.5 | 28.9 | 27.8 | 29.1 | 29.4 | 27.8 | 29.1 | 28.1 | 29.4 | 29.7 |
| 3H | 29.0 | 30.1 | 29.3 | 30.4 | 30.8 | 29.4 | 30.6 | 29.8 | 30.9 | 31.2 |
| 4H | 29.5 | 30.6 | 29.9 | 30.9 | 31.3 | 30.0 | 31.1 | 30.4 | 31.4 | 31.8 |
| 6H | 29.8 | 30.8 | 30.2 | 31.2 | 31.5 | 30.5 | 31.4 | 30.9 | 31.8 | 32.2 |
| 8H | 29.9 | 30.8 | 30.4 | 31.2 | 31.6 | 30.6 | 31.5 | 31.0 | 31.9 | 32.3 |
| 12H | 30.0 | 30.8 | 30.4 | 31.2 | 31.6 | 30.6 | 31.5 | 31.1 | 31.8 | 32.3 |
| 8H 4H | 29.7 | 30.6 | 30.1 | 31.0 | 31.4 | 30.2 | 31.1 | 30.6 | 31.5 | 31.9 |
| 6H | 30.1 | 30.9 | 30.6 | 31.3 | 31.7 | 30.7 | 31.5 | 31.2 | 31.9 | 32.3 |
| 8H | 30.3 | 30.9 | 30.7 | 31.4 | 31.8 | 30.9 | 31.5 | 31.3 | 32.0 | 32.4 |
| 12H | 30.4 | 31.0 | 30.9 | 31.4 | 31.9 | 31.0 | 31.5 | 31.5 | 32.0 | 32.5 |
| 12H 4H | 29.7 | 30.5 | 30.1 | 30.9 | 31.3 | 30.2 | 31.0 | 30.6 | 31.4 | 31.8 |
| 6H | 30.2 | 30.8 | 30.6 | 31.2 | 31.7 | 30.7 | 31.4 | 31.2 | 31.8 | 32.3 |
| 8H | 30.3 | 30.9 | 30.8 | 31.3 | 31.8 | 30.9 | 31.5 | 31.4 | 31.9 | 32.4 |
| 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 | + 0.3 / - 0.3 | | | | | + 0.3 / - 0.3 | | | | |

CIE Pub.117, 523.4 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -2.2)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:24.7DEG
Operators:Lingxin Xie
Test Date:2022-07-20

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.291
Humidity:54.2%
Test Distance:10.149m [K=1.0000]
Remarks:

Checker: Jianfei Wu

Assessor: Lijian Jiang

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) $k(RI) \times RCR = 5$ | | | | | | | | | |
| $k = 0.60$ | 57 | 45 | 38 | 56 | 45 | 38 | 55 | 44 | 38 | 31 |
| 0.80 | 67 | 55 | 48 | 66 | 55 | 47 | 64 | 54 | 47 | 40 |
| 1.00 | 75 | 64 | 57 | 74 | 63 | 56 | 72 | 65 | 56 | 49 |
| 1.25 | 82 | 72 | 65 | 81 | 71 | 64 | 78 | 70 | 63 | 56 |
| 1.50 | 87 | 77 | 70 | 86 | 77 | 70 | 83 | 75 | 69 | 61 |
| 2.00 | 94 | 86 | 79 | 93 | 84 | 78 | 89 | 82 | 77 | 69 |
| 2.50 | 98 | 90 | 84 | 96 | 89 | 83 | 92 | 86 | 81 | 73 |
| 3.00 | 102 | 95 | 89 | 100 | 93 | 88 | 95 | 90 | 86 | 77 |
| 4.00 | 106 | 100 | 95 | 103 | 98 | 94 | 99 | 95 | 91 | 82 |
| 5.00 | 108 | 103 | 99 | 106 | 101 | 98 | 101 | 98 | 94 | 85 |
| ROOM INDEX | UF (total) | | | | | | | | | Direct |
| According to DIN EN 13032-2 2004 | | | Suspended | | | | | SHRNOM = 1.25 | | |

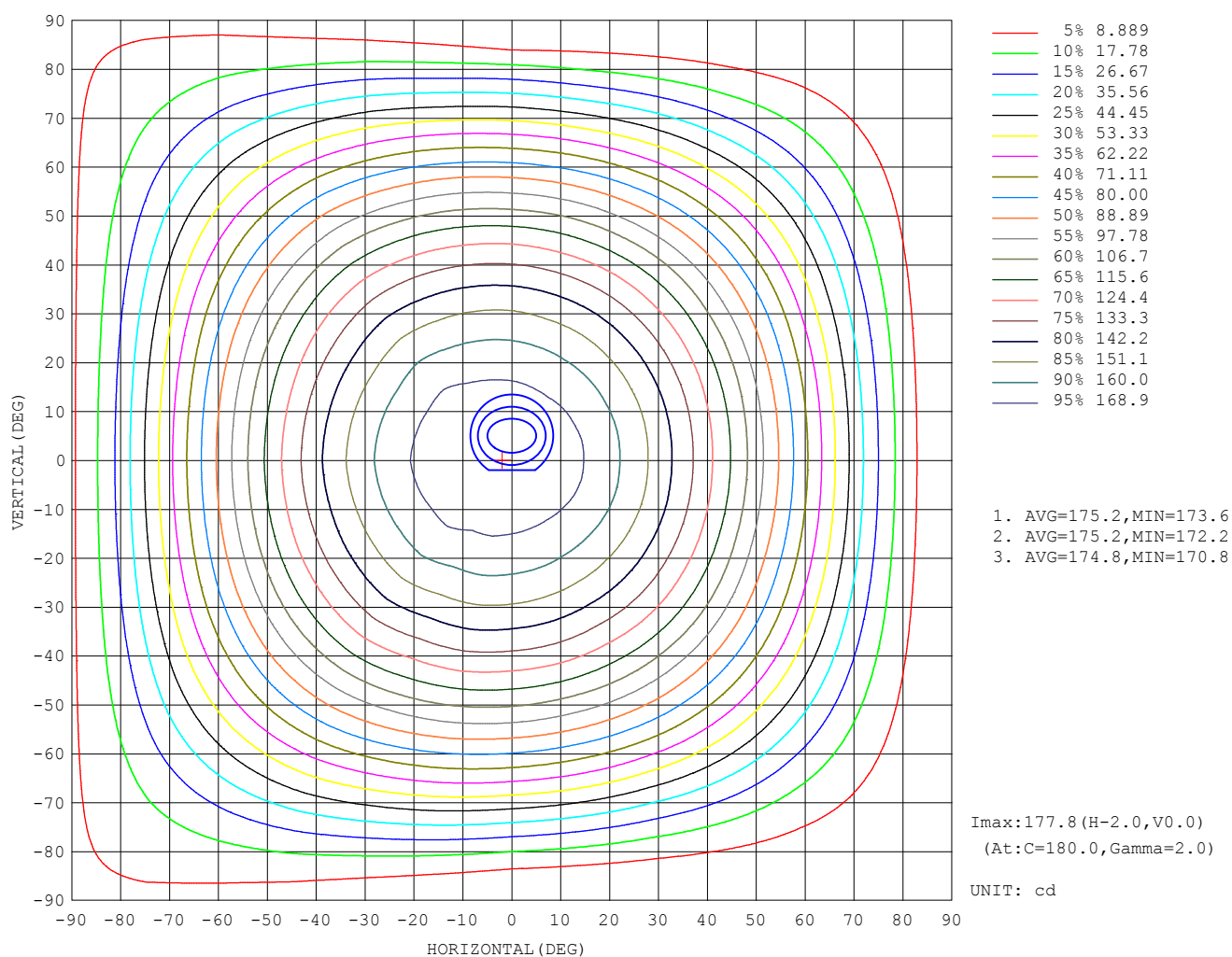
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.7DEG
 Operators: Lingxin Xie
 Test Date: 2022-07-20

Checker: Jianfei Wu

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.291
 Humidity: 54.2%
 Test Distance: 10.149m [K=1.0000]
 Remarks:

Assessor: Lijian Jiang

ISOCANDELA DIAGRAM



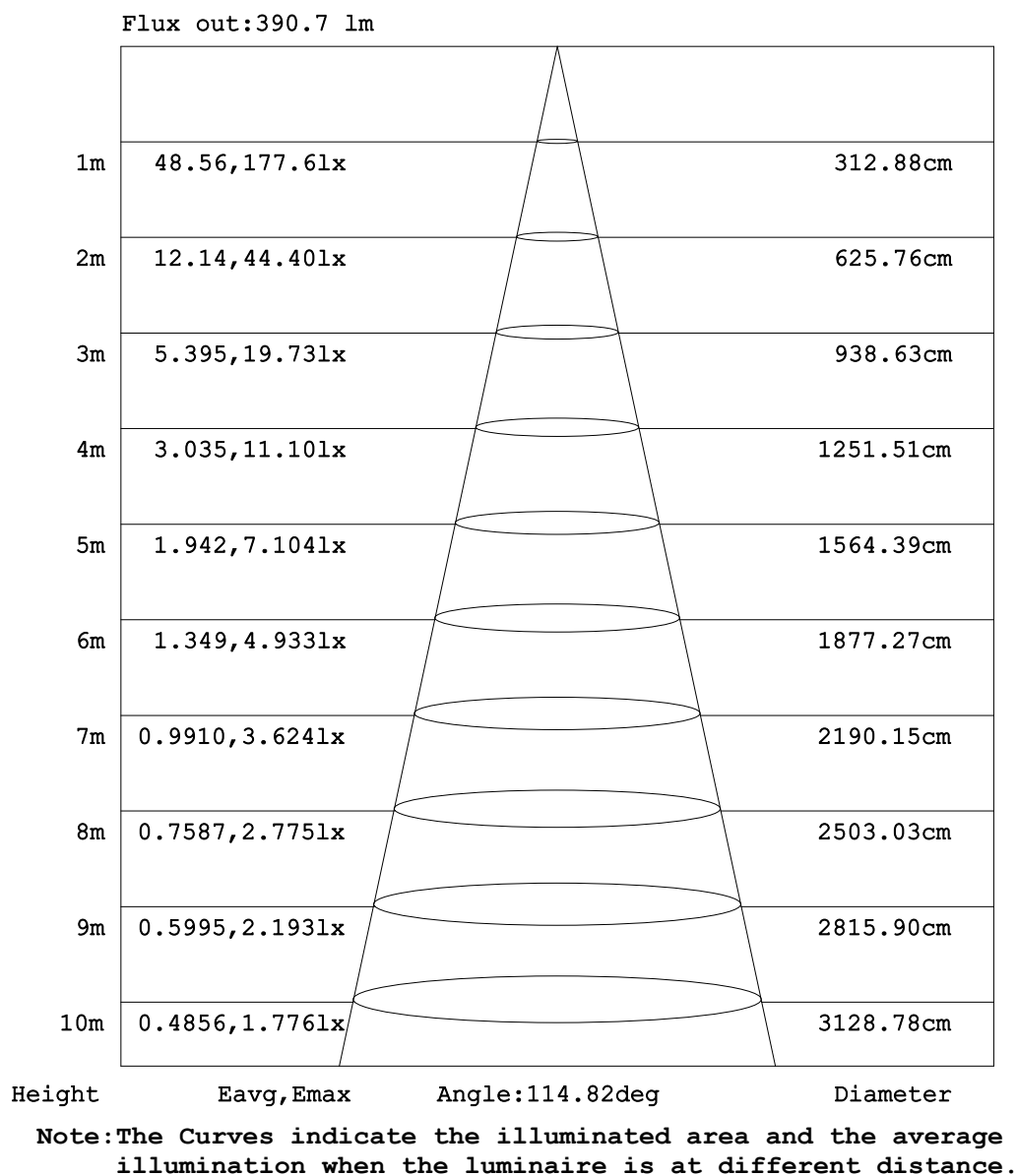
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 24.7DEG
Operators: Lingxin Xie
Test Date: 2022-07-20

Checker: Jianfei Wu

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.291
Humidity: 54.2%
Test Distance: 10.149m [K=1.0000]
Remarks:

Assessor: Lijian Jiang

AAI Figure



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.7DEG
 Operators: Lingxin Xie
 Test Date: 2022-07-20

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.291
 Humidity: 54.2%
 Test Distance: 10.149m [K=1.0000]
 Remarks:

Checker: Jianfei Wu

Assessor: Lijian Jiang

LED Avg.L Report

| | | |
|--|-------------------|-------------|
| Test:U:24.0V I:0.207A P:4.97W PF:1.000 Freq:0Hz Lamp Flux:523.432x1 lm | | |
| NAME: LED Soft light bar | SUR.:1.0m*0.0046m | SERIAL No.: |
| MFR.: EKLART | | |
| | | |

| AvgL | cd/m2 |
|------------------|-------|
| L_0~180 (65) av | 34092 |
| L_0~180 (75) av | 30005 |
| L_0~180 (85) av | 28796 |
| L_90~270 (65) av | 33901 |
| L_90~270 (75) av | 28753 |
| L_90~270 (85) av | 15341 |
| L_45 (65) av | 34072 |
| L_45 (75) av | 29385 |
| L_45 (85) av | 23978 |

Standard: GB/T 29293-2012

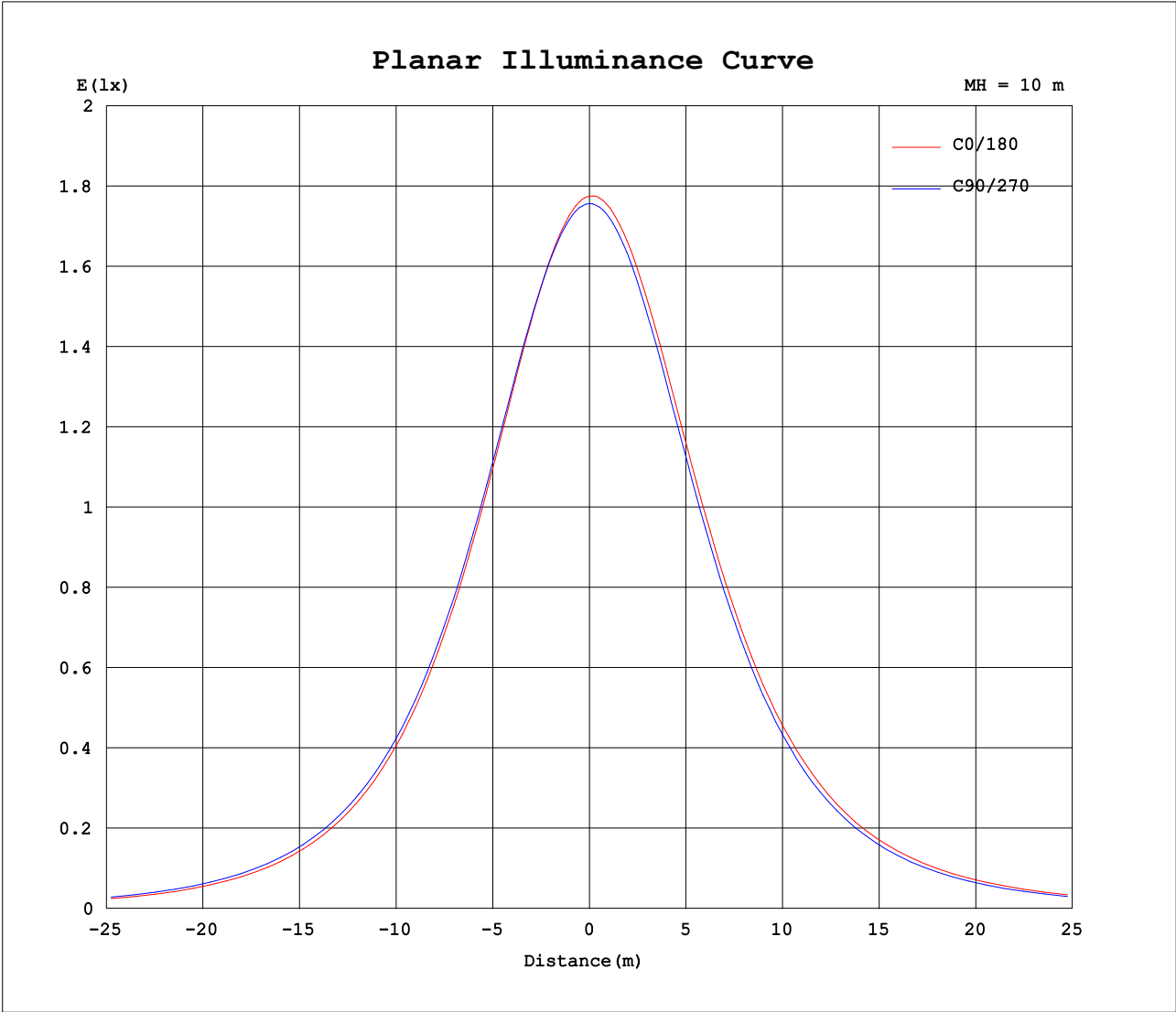
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:24.7DEG
Operators:Lingxin Xie
Test Date:2022-07-20

Checker: Jianfei Wu

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.291
Humidity:54.2%
Test Distance:10.149m [K=1.0000]
Remarks:

Assessor: Lijian Jiang

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:24.7DEG
Operators:Lingxin Xie
Test Date:2022-07-20

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.291
Humidity:54.2%
Test Distance:10.149m [K=1.0000]
Remarks:

Checker: Jianfei Wu

Assessor: Lijian Jiang

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--1

UNIT: cd

| C (DEG) γ (DEG) | 0 | 15 | 30 | 45 | 60 | 75 | 90 | 105 | 120 | 135 | 150 | 165 | 180 | 195 | 210 | 225 | 240 | 255 | 270 |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0 | 178 | 177 | 177 | 177 | 176 | 176 | 176 | 176 | 176 | 177 | 177 | 177 | 178 | 177 | 177 | 177 | 176 | 176 | 176 |
| 5 | 176 | 176 | 176 | 175 | 175 | 175 | 175 | 175 | 175 | 177 | 177 | 177 | 178 | 177 | 177 | 177 | 176 | 175 | 175 |
| 10 | 173 | 173 | 173 | 172 | 172 | 172 | 172 | 173 | 173 | 175 | 175 | 176 | 176 | 176 | 176 | 176 | 174 | 173 | 173 |
| 15 | 169 | 169 | 168 | 168 | 168 | 168 | 169 | 170 | 170 | 172 | 172 | 173 | 174 | 173 | 173 | 173 | 171 | 170 | 170 |
| 20 | 163 | 163 | 163 | 162 | 163 | 163 | 164 | 165 | 165 | 168 | 168 | 169 | 170 | 169 | 169 | 169 | 167 | 166 | 165 |
| 25 | 156 | 156 | 156 | 156 | 156 | 157 | 158 | 159 | 160 | 162 | 162 | 163 | 164 | 164 | 163 | 163 | 161 | 160 | 159 |
| 30 | 147 | 147 | 147 | 147 | 148 | 149 | 150 | 152 | 152 | 155 | 155 | 156 | 157 | 157 | 156 | 156 | 155 | 153 | 152 |
| 35 | 138 | 138 | 138 | 138 | 139 | 140 | 141 | 143 | 144 | 147 | 147 | 148 | 149 | 149 | 148 | 148 | 146 | 145 | 143 |
| 40 | 127 | 127 | 127 | 127 | 128 | 130 | 131 | 133 | 134 | 137 | 138 | 139 | 140 | 139 | 138 | 138 | 137 | 135 | 134 |
| 45 | 115 | 114 | 115 | 115 | 116 | 118 | 120 | 122 | 124 | 126 | 127 | 128 | 129 | 129 | 128 | 128 | 126 | 124 | 123 |
| 50 | 102 | 101 | 102 | 102 | 104 | 105 | 108 | 110 | 112 | 114 | 115 | 116 | 117 | 117 | 116 | 116 | 114 | 112 | 110 |
| 55 | 87.7 | 87.1 | 87.7 | 88.5 | 89.9 | 91.8 | 94.1 | 96.6 | 98.5 | 101 | 102 | 103 | 104 | 104 | 103 | 103 | 101 | 98.9 | 96.8 |
| 60 | 72.8 | 72.2 | 72.7 | 73.7 | 75.2 | 77.3 | 79.7 | 82.4 | 84.7 | 87.1 | 88.7 | 89.7 | 90.1 | 90.2 | 89.3 | 88.7 | 86.7 | 84.7 | 82.5 |
| 65 | 57.0 | 56.7 | 57.0 | 58.2 | 59.7 | 62.1 | 64.4 | 67.4 | 69.8 | 72.4 | 74.0 | 75.1 | 75.5 | 75.5 | 74.7 | 73.8 | 71.8 | 69.6 | 67.4 |
| 70 | 41.3 | 41.1 | 41.2 | 42.5 | 43.7 | 46.2 | 48.5 | 51.7 | 54.1 | 56.9 | 58.5 | 59.9 | 60.3 | 60.1 | 59.4 | 58.1 | 56.2 | 53.6 | 51.7 |
| 75 | 26.6 | 26.3 | 26.2 | 27.2 | 28.3 | 30.6 | 32.7 | 36.0 | 38.5 | 41.3 | 43.0 | 44.5 | 44.9 | 44.5 | 43.8 | 42.2 | 40.4 | 37.6 | 35.7 |
| 80 | 14.2 | 13.9 | 13.6 | 14.0 | 14.5 | 16.2 | 17.9 | 20.9 | 23.5 | 26.3 | 28.0 | 29.6 | 30.0 | 29.5 | 28.8 | 27.0 | 25.1 | 22.3 | 20.5 |
| 85 | 5.99 | 5.73 | 5.28 | 5.08 | 4.83 | 5.18 | 6.02 | 8.46 | 10.9 | 13.5 | 15.2 | 16.7 | 17.1 | 16.5 | 15.7 | 13.9 | 12.0 | 9.33 | 6.28 |
| 90 | 1.85 | 1.71 | 1.40 | 1.16 | 0.84 | 0.61 | 0.16 | 1.66 | 3.07 | 4.83 | 6.20 | 7.41 | 7.75 | 7.37 | 6.63 | 5.13 | 3.63 | 1.91 | 1.06 |
| 95 | 0.45 | 0.40 | 0.32 | 0.23 | 0.17 | 0.13 | 0.11 | 0.12 | 0.27 | 0.94 | 1.53 | 2.09 | 2.26 | 2.14 | 1.75 | 1.05 | 0.54 | 0.09 | 0.09 |
| 100 | 0.25 | 0.25 | 0.22 | 0.20 | 0.18 | 0.18 | 0.17 | 0.16 | 0.17 | 0.17 | 0.21 | 0.37 | 0.45 | 0.40 | 0.34 | 0.13 | 0.12 | 0.12 | 0.13 |
| 105 | 0.26 | 0.25 | 0.23 | 0.25 | 0.23 | 0.24 | 0.22 | 0.22 | 0.20 | 0.20 | 0.19 | 0.19 | 0.16 | 0.17 | 0.16 | 0.15 | 0.17 | 0.17 | 0.19 |
| 110 | 0.30 | 0.30 | 0.30 | 0.30 | 0.29 | 0.30 | 0.28 | 0.28 | 0.26 | 0.26 | 0.24 | 0.24 | 0.20 | 0.19 | 0.20 | 0.20 | 0.22 | 0.22 | 0.24 |
| 115 | 0.36 | 0.36 | 0.35 | 0.36 | 0.35 | 0.36 | 0.34 | 0.34 | 0.32 | 0.32 | 0.30 | 0.30 | 0.25 | 0.24 | 0.26 | 0.26 | 0.28 | 0.28 | 0.30 |
| 120 | 0.41 | 0.42 | 0.41 | 0.42 | 0.41 | 0.42 | 0.41 | 0.41 | 0.38 | 0.38 | 0.35 | 0.36 | 0.31 | 0.30 | 0.31 | 0.31 | 0.34 | 0.34 | 0.36 |
| 125 | 0.46 | 0.47 | 0.47 | 0.48 | 0.46 | 0.48 | 0.46 | 0.46 | 0.44 | 0.44 | 0.42 | 0.42 | 0.37 | 0.36 | 0.38 | 0.37 | 0.39 | 0.39 | 0.42 |
| 130 | 0.52 | 0.53 | 0.51 | 0.53 | 0.51 | 0.53 | 0.51 | 0.52 | 0.49 | 0.50 | 0.47 | 0.47 | 0.42 | 0.42 | 0.43 | 0.43 | 0.45 | 0.45 | 0.48 |
| 135 | 0.57 | 0.58 | 0.57 | 0.58 | 0.56 | 0.57 | 0.56 | 0.56 | 0.54 | 0.54 | 0.52 | 0.53 | 0.48 | 0.47 | 0.48 | 0.48 | 0.50 | 0.51 | 0.53 |
| 140 | 0.60 | 0.62 | 0.61 | 0.62 | 0.60 | 0.62 | 0.60 | 0.61 | 0.60 | 0.59 | 0.57 | 0.57 | 0.53 | 0.52 | 0.53 | 0.53 | 0.55 | 0.55 | 0.57 |
| 145 | 0.65 | 0.66 | 0.65 | 0.66 | 0.64 | 0.66 | 0.65 | 0.65 | 0.63 | 0.64 | 0.62 | 0.62 | 0.58 | 0.57 | 0.58 | 0.58 | 0.60 | 0.60 | 0.62 |
| 150 | 0.68 | 0.70 | 0.69 | 0.70 | 0.68 | 0.69 | 0.68 | 0.69 | 0.67 | 0.67 | 0.66 | 0.66 | 0.62 | 0.61 | 0.62 | 0.62 | 0.64 | 0.63 | 0.66 |
| 155 | 0.72 | 0.73 | 0.72 | 0.72 | 0.72 | 0.72 | 0.72 | 0.72 | 0.70 | 0.71 | 0.70 | 0.70 | 0.66 | 0.65 | 0.66 | 0.66 | 0.68 | 0.67 | 0.69 |
| 160 | 0.75 | 0.75 | 0.74 | 0.75 | 0.74 | 0.74 | 0.73 | 0.74 | 0.73 | 0.74 | 0.72 | 0.73 | 0.70 | 0.69 | 0.70 | 0.69 | 0.71 | 0.70 | 0.72 |
| 165 | 0.77 | 0.78 | 0.76 | 0.77 | 0.76 | 0.77 | 0.76 | 0.77 | 0.75 | 0.76 | 0.75 | 0.76 | 0.74 | 0.72 | 0.74 | 0.73 | 0.74 | 0.73 | 0.75 |
| 170 | 0.79 | 0.80 | 0.79 | 0.79 | 0.78 | 0.79 | 0.78 | 0.79 | 0.78 | 0.78 | 0.77 | 0.78 | 0.78 | 0.75 | 0.77 | 0.76 | 0.77 | 0.76 | 0.78 |
| 175 | 0.81 | 0.81 | 0.79 | 0.80 | 0.79 | 0.80 | 0.79 | 0.80 | 0.79 | 0.80 | 0.79 | 0.80 | 0.80 | 0.79 | 0.79 | 0.79 | 0.80 | 0.79 | 0.80 |
| 180 | 0.82 | 0.81 | 0.80 | 0.80 | 0.79 | 0.80 | 0.80 | 0.80 | 0.80 | 0.81 | 0.82 | 0.82 | 0.82 | 0.80 | 0.80 | 0.79 | 0.80 | 0.80 | 0.81 |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:24.7DEG
Operators:Lingxin Xie
Test Date:2022-07-20

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.291
Humidity:54.2%
Test Distance:10.149m [K=1.0000]
Remarks:

Checker: Jianfei Wu

Assessor: Lijian Jiang

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--2

UNIT: cd

| C (DEG) γ (DEG) | 285 | 300 | 315 | 330 | 345 | | | | | | | | | | | | | | |
|--------------------|------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 0 | 176 | 176 | 177 | 177 | 177 | | | | | | | | | | | | | | |
| 5 | 175 | 175 | 175 | 175 | 176 | | | | | | | | | | | | | | |
| 10 | 173 | 172 | 173 | 173 | 173 | | | | | | | | | | | | | | |
| 15 | 169 | 169 | 169 | 169 | 169 | | | | | | | | | | | | | | |
| 20 | 164 | 164 | 163 | 163 | 163 | | | | | | | | | | | | | | |
| 25 | 158 | 157 | 157 | 156 | 156 | | | | | | | | | | | | | | |
| 30 | 150 | 150 | 149 | 148 | 148 | | | | | | | | | | | | | | |
| 35 | 142 | 141 | 139 | 139 | 138 | | | | | | | | | | | | | | |
| 40 | 132 | 131 | 129 | 128 | 127 | | | | | | | | | | | | | | |
| 45 | 121 | 119 | 117 | 116 | 115 | | | | | | | | | | | | | | |
| 50 | 108 | 106 | 105 | 103 | 102 | | | | | | | | | | | | | | |
| 55 | 94.9 | 92.6 | 90.8 | 89.2 | 88.3 | | | | | | | | | | | | | | |
| 60 | 80.4 | 78.1 | 76.1 | 74.4 | 73.3 | | | | | | | | | | | | | | |
| 65 | 65.1 | 62.8 | 60.6 | 58.9 | 57.6 | | | | | | | | | | | | | | |
| 70 | 49.1 | 46.9 | 44.6 | 43.2 | 41.8 | | | | | | | | | | | | | | |
| 75 | 33.2 | 31.2 | 29.2 | 28.1 | 26.9 | | | | | | | | | | | | | | |
| 80 | 18.3 | 16.9 | 15.6 | 15.1 | 14.4 | | | | | | | | | | | | | | |
| 85 | 6.38 | 6.26 | 6.02 | 6.11 | 5.98 | | | | | | | | | | | | | | |
| 90 | 0.81 | 1.25 | 1.49 | 1.77 | 1.81 | | | | | | | | | | | | | | |
| 95 | 0.10 | 0.19 | 0.31 | 0.39 | 0.41 | | | | | | | | | | | | | | |
| 100 | 0.14 | 0.16 | 0.17 | 0.19 | 0.21 | | | | | | | | | | | | | | |
| 105 | 0.18 | 0.20 | 0.20 | 0.21 | 0.21 | | | | | | | | | | | | | | |
| 110 | 0.24 | 0.26 | 0.26 | 0.26 | 0.26 | | | | | | | | | | | | | | |
| 115 | 0.30 | 0.32 | 0.31 | 0.32 | 0.31 | | | | | | | | | | | | | | |
| 120 | 0.36 | 0.37 | 0.37 | 0.38 | 0.37 | | | | | | | | | | | | | | |
| 125 | 0.42 | 0.43 | 0.42 | 0.44 | 0.42 | | | | | | | | | | | | | | |
| 130 | 0.47 | 0.49 | 0.48 | 0.49 | 0.48 | | | | | | | | | | | | | | |
| 135 | 0.51 | 0.53 | 0.53 | 0.54 | 0.53 | | | | | | | | | | | | | | |
| 140 | 0.57 | 0.58 | 0.57 | 0.59 | 0.57 | | | | | | | | | | | | | | |
| 145 | 0.60 | 0.62 | 0.61 | 0.63 | 0.62 | | | | | | | | | | | | | | |
| 150 | 0.64 | 0.66 | 0.65 | 0.67 | 0.66 | | | | | | | | | | | | | | |
| 155 | 0.68 | 0.69 | 0.69 | 0.70 | 0.69 | | | | | | | | | | | | | | |
| 160 | 0.72 | 0.72 | 0.72 | 0.74 | 0.73 | | | | | | | | | | | | | | |
| 165 | 0.74 | 0.75 | 0.75 | 0.76 | 0.76 | | | | | | | | | | | | | | |
| 170 | 0.76 | 0.78 | 0.77 | 0.78 | 0.78 | | | | | | | | | | | | | | |
| 175 | 0.79 | 0.80 | 0.79 | 0.80 | 0.80 | | | | | | | | | | | | | | |
| 180 | 0.80 | 0.80 | 0.81 | 0.82 | 0.82 | | | | | | | | | | | | | | |

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:24.7DEG
 Operators:Lingxin Xie
 Test Date:2022-07-20

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.291
 Humidity:54.2%
 Test Distance:10.149m [K=1.0000]
 Remarks:

Checker: Jianfei Wu

Assessor: Lijian Jiang