
LED DownLight FUSION Series LE-FF3-7W-840-24D Specular

| | | |
|---------------------|---------|--------------------------|
| Light Output Ratio: | 100.0% | |
| Luminaire Power: | 8.871 W | |
| SHR Nominal: | 0.00 | Calculated using the TM5 |
| SHR Maximum: | 1.00 | fine grid method. |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.2DEG
Operators: Cao Chengpei
Test Date: 2016-06-24

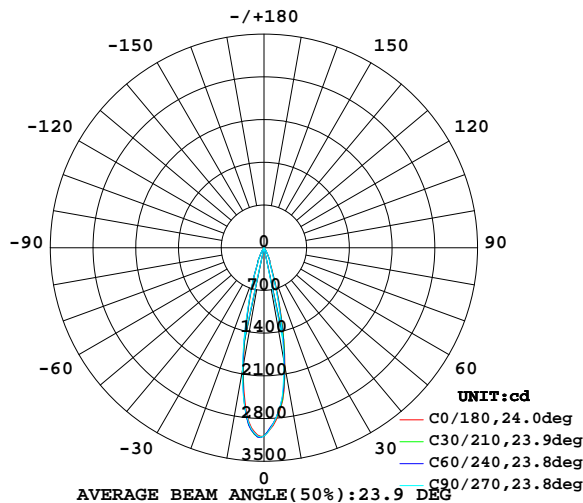
γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.288
Humidity: 52%
Test Distance: 5.850m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

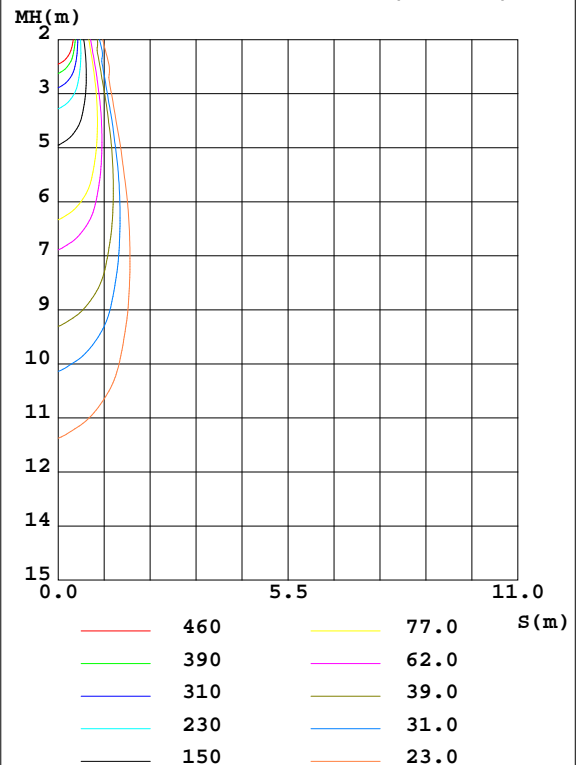
| | | |
|--|-------------------------|-------------|
| Test:U:220.1V I:0.0483A P:8.871W PF:0.8339 Lamp Flux:635.84x1 lm | | |
| NAME: LE-FF3-7W-840-24D Specular | TYPE:Downlight | SERIAL No.: |
| SPEC.:4000K | DIM.: L98mm*W45mm*H60mm | |
| MFR.: | | |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 71.68 lm/W | | | |
|------------------|------------|----------------------------------|--------|-------------------|----------|
| MODEL | CREE-4000K | I _{max} (cd) | 3112 | S/MH(C0/180) | 0.40 |
| NOMINAL POWER(W) | 8.5 | LOR(%) | 100.0 | S/MH(C90/270) | 0.41 |
| RATED VOLTAGE(V) | 220 | TOTAL FLUX(lm) | 635.84 | η UP,DN(C0-180) | 0.0,48.5 |
| NOMINAL FLUX(lm) | 635.84 | CIE CLASS | DIRECT | η UP,DN(C180-360) | 0.0,51.5 |
| LAMPS INSIDE | 1 | η up(%) | 0.0 | CIBSE SHR NOM | 0.00 |
| TEST VOLTAGE(V) | 220 | η down(%) | 100.0 | CIBSE SHR MAX | 1.00 |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.2DEG
Operators:Cao Chengpei
Test Date:2016-06-24

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.288
Humidity:52%
Test Distance:5.850m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM AND LUMINANCE LIMITATION CURVES

ZONAL FLUX DIAGRAM:

| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ | Φ zone | Φ total | Φ lum, lamp |
|----------|-----------------------|--------|--------|--------|--------|--------|--------|--------|----------|-------------|--------------|------------------|
| 10 | 1974 | 1976 | 1872 | 1897 | 1938 | 1955 | 2037 | 2050 | 0- 10 | 240.8 | 240.8 | 37.9,37.9 |
| 20 | 376.0 | 351.1 | 331.1 | 382.8 | 410.2 | 437.8 | 443.1 | 421.8 | 10- 20 | 273.2 | 514.0 | 80.8,80.8 |
| 30 | 103.6 | 99.94 | 96.43 | 97.15 | 99.42 | 103.6 | 104.0 | 111.7 | 20- 30 | 95.60 | 609.6 | 95.9,95.9 |
| 40 | 6.150 | 6.770 | 6.317 | 5.484 | 5.101 | 5.749 | 5.664 | 6.279 | 30- 40 | 22.32 | 631.9 | 99.4,99.4 |
| 50 | 2.207 | 2.437 | 2.242 | 1.789 | 1.842 | 1.619 | 1.506 | 1.796 | 40- 50 | 1.943 | 633.9 | 99.7,99.7 |
| 60 | 1.229 | 1.260 | 0.8876 | 0.6659 | 0.5953 | 0.7037 | 0.7466 | 1.036 | 50- 60 | 1.326 | 635.2 | 99.9,99.9 |
| 70 | 0.2263 | 0.2639 | 0.2111 | 0.1512 | 0.1085 | 0.1663 | 0.1553 | 0.2431 | 60- 70 | 0.4426 | 635.7 | 100,100 |
| 80 | 0.0874 | 0.0936 | 0.0789 | 0.0617 | 0.0298 | 0.0704 | 0.0510 | 0.0981 | 70- 80 | 0.1284 | 635.8 | 100,100 |
| 90 | 0.0469 | 0.0447 | 0.0277 | 0.0298 | 0.0170 | 0.0234 | 0.0192 | 0.0426 | 80- 90 | 0.0522 | 635.8 | 100,100 |
| 100 | | | | | | | | | 90-100 | | | |
| 110 | | | | | | | | | 100-110 | | | |
| 120 | | | | | | | | | 110-120 | | | |
| 130 | | | | | | | | | 120-130 | | | |
| 140 | | | | | | | | | 130-140 | | | |
| 150 | | | | | | | | | 140-150 | | | |
| 160 | | | | | | | | | 150-160 | | | |
| 170 | | | | | | | | | 160-170 | | | |
| 180 | | | | | | | | | 170-180 | | | |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |



| LUMINANCE cd/(m2) | | |
|-------------------|--------|---------|
| G(°) | C0/180 | C90/270 |
| 85 | 161 | 117 |
| 80 | 114 | 103 |
| 75 | 114 | 116 |
| 70 | 150 | 140 |
| 65 | 301 | 213 |
| 60 | 557 | 403 |
| 55 | 770 | 658 |
| 50 | 778 | 791 |
| 45 | 693 | 741 |

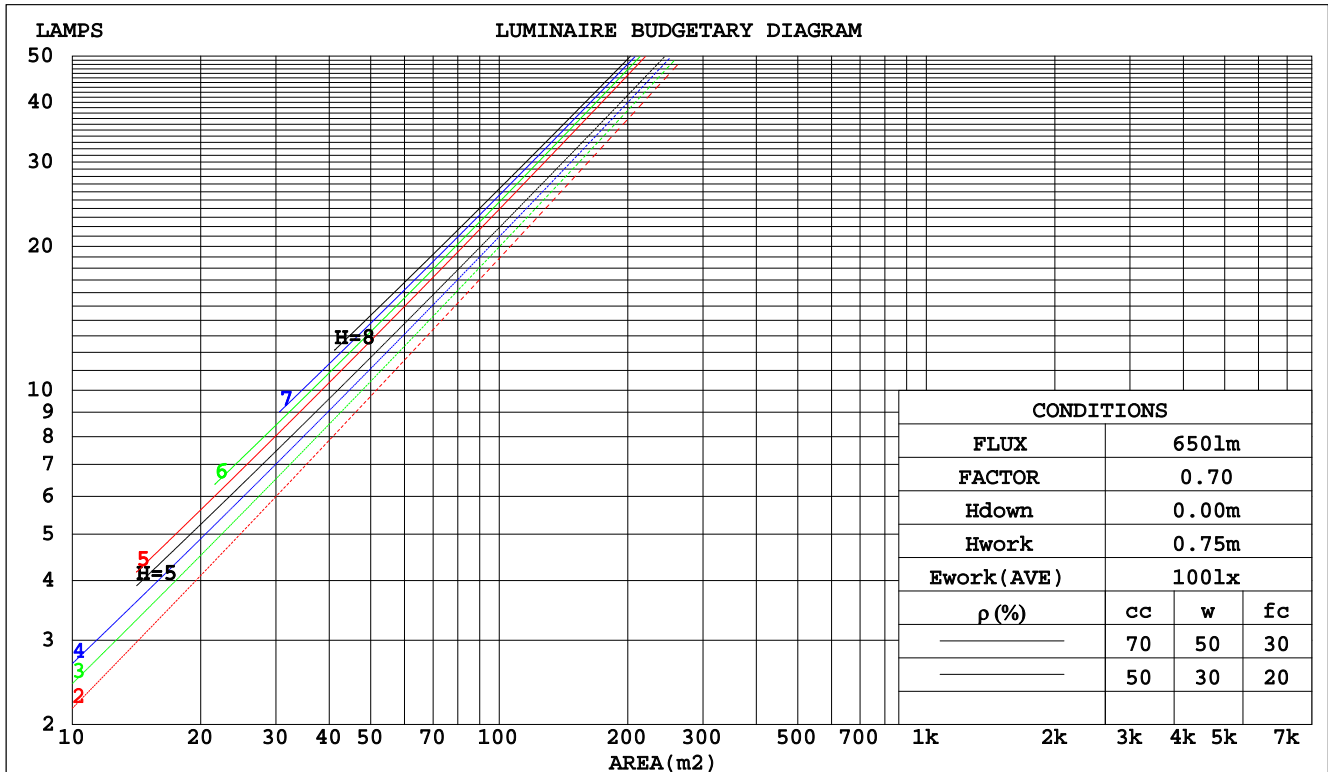
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 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|--|-------------------------|-------------|
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| NAME: LE-FF3-7W-840-24D Specular | TYPE:Downlight | SERIAL No.: |
| SPEC.:4000K | DIM.: L98mm*W45mm*H60mm | |
| MFR.: | | |

| 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 | | | | | | | | | | | | | | | |



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WEC AND CCEC

| | | |
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|------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|------|------|------|---|--|
| 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 | .134 | .076 | .024 | .127 | .073 | .023 | .115 | .066 | .021 | .104 | .060 | .019 | .093 | .054 | .017 | | |
| 2.0 | .124 | .068 | .021 | .119 | .065 | .020 | .108 | .060 | .019 | .099 | .056 | .017 | .090 | .051 | .016 | | |
| 3.0 | .115 | .061 | .018 | .111 | .059 | .018 | .102 | .056 | .017 | .095 | .052 | .016 | .087 | .048 | .015 | | |
| 4.0 | .108 | .056 | .017 | .104 | .055 | .016 | .097 | .052 | .015 | .091 | .049 | .015 | .084 | .046 | .014 | | |
| 5.0 | .102 | .052 | .015 | .099 | .051 | .015 | .092 | .048 | .014 | .087 | .046 | .014 | .082 | .044 | .013 | | |
| 6.0 | .096 | .048 | .014 | .094 | .047 | .014 | .088 | .045 | .013 | .083 | .043 | .013 | .079 | .041 | .012 | | |
| 7.0 | .091 | .045 | .013 | .089 | .044 | .013 | .084 | .043 | .012 | .080 | .041 | .012 | .076 | .040 | .012 | | |
| 8.0 | .087 | .043 | .012 | .085 | .042 | .012 | .081 | .040 | .012 | .077 | .039 | .011 | .074 | .038 | .011 | | |
| 9.0 | .083 | .040 | .011 | .081 | .040 | .011 | .078 | .039 | .011 | .075 | .037 | .011 | .071 | .036 | .010 | | |
| 10.0 | .080 | .038 | .011 | .078 | .038 | .011 | .075 | .037 | .010 | .072 | .036 | .010 | .069 | .035 | .010 | | |

| 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 | .168 | .158 | .148 | .144 | .135 | .128 | .098 | .093 | .088 | .057 | .054 | .051 | .018 | .017 | .017 | |
| 2.0 | .150 | .133 | .118 | .128 | .114 | .102 | .088 | .079 | .071 | .051 | .046 | .042 | .016 | .015 | .014 | |
| 3.0 | .135 | .113 | .096 | .115 | .098 | .083 | .079 | .068 | .058 | .046 | .040 | .034 | .015 | .013 | .011 | |
| 4.0 | .122 | .098 | .079 | .105 | .085 | .069 | .072 | .059 | .049 | .042 | .035 | .029 | .013 | .011 | .009 | |
| 5.0 | .111 | .085 | .066 | .096 | .074 | .058 | .066 | .052 | .041 | .038 | .030 | .024 | .012 | .010 | .008 | |
| 6.0 | .102 | .075 | .056 | .088 | .065 | .049 | .061 | .046 | .035 | .035 | .027 | .021 | .011 | .009 | .007 | |
| 7.0 | .095 | .067 | .048 | .082 | .058 | .042 | .056 | .041 | .030 | .033 | .024 | .018 | .011 | .008 | .006 | |
| 8.0 | .088 | .060 | .041 | .076 | .052 | .036 | .053 | .037 | .026 | .031 | .022 | .015 | .010 | .007 | .005 | |
| 9.0 | .083 | .055 | .036 | .071 | .048 | .031 | .049 | .033 | .022 | .029 | .020 | .013 | .009 | .006 | .004 | |
| 10.0 | .078 | .050 | .032 | .067 | .043 | .027 | .046 | .031 | .020 | .027 | .018 | .012 | .009 | .006 | .004 | |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.2DEG
Operators:Cao Chengpei
Test Date:2016-06-24

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.288
Humidity:52%
Test Distance:5.850m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

| | | | | | | | | | | |
|--|------------------|-----|-----|-----|-------------------------|----------------|-----|-------------|-----|-----|
| Test:U:220.1V I:0.0483A P:8.871W PF:0.8339 Lamp Flux:635.84x1 lm | | | | | | | | | | |
| NAME: LE-FF3-7W-840-24D Specular | | | | | TYPE:Downlight | | | SERIAL No.: | | |
| SPEC.:4000K | | | | | DIM.: L98mm*W45mm*H60mm | | | | | |
| MFR.: | | | | | | | | | | |
| 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 | 6.4 | 7.0 | 6.6 | 7.2 | 7.3 | 6.1 | 6.8 | 6.3 | 6.9 | 7.1 |
| 3H | 6.3 | 6.9 | 6.5 | 7.1 | 7.2 | 6.0 | 6.6 | 6.2 | 6.8 | 7.0 |
| 4H | 6.2 | 6.8 | 6.5 | 7.0 | 7.2 | 5.9 | 6.5 | 6.2 | 6.7 | 6.9 |
| 6H | 6.1 | 6.7 | 6.4 | 6.9 | 7.1 | 5.9 | 6.4 | 6.1 | 6.6 | 6.9 |
| 8H | 6.1 | 6.6 | 6.4 | 6.8 | 7.1 | 5.8 | 6.3 | 6.1 | 6.6 | 6.8 |
| 12H | 6.0 | 6.5 | 6.3 | 6.8 | 7.1 | 5.8 | 6.3 | 6.1 | 6.5 | 6.8 |
| 4H 2H | 6.2 | 6.8 | 6.5 | 7.0 | 7.2 | 6.0 | 6.5 | 6.2 | 6.7 | 6.9 |
| 3H | 6.1 | 6.6 | 6.4 | 6.8 | 7.1 | 5.8 | 6.3 | 6.1 | 6.6 | 6.8 |
| 4H | 6.0 | 6.4 | 6.3 | 6.7 | 7.0 | 5.7 | 6.2 | 6.0 | 6.5 | 6.8 |
| 6H | 5.9 | 6.3 | 6.3 | 6.6 | 7.0 | 5.6 | 6.0 | 6.0 | 6.3 | 6.7 |
| 8H | 5.8 | 6.2 | 6.2 | 6.6 | 6.9 | 5.6 | 5.9 | 5.9 | 6.3 | 6.6 |
| 12H | 5.8 | 6.1 | 6.2 | 6.5 | 6.9 | 5.5 | 5.9 | 5.9 | 6.2 | 6.6 |
| 8H 4H | 5.8 | 6.2 | 6.2 | 6.6 | 6.9 | 5.6 | 5.9 | 5.9 | 6.3 | 6.6 |
| 6H | 5.7 | 6.0 | 6.1 | 6.4 | 6.8 | 5.5 | 5.8 | 5.9 | 6.2 | 6.6 |
| 8H | 5.7 | 5.9 | 6.1 | 6.4 | 6.8 | 5.4 | 5.7 | 5.8 | 6.1 | 6.5 |
| 12H | 5.6 | 5.9 | 6.1 | 6.3 | 6.8 | 5.3 | 5.6 | 5.8 | 6.0 | 6.5 |
| 12H 4H | 5.8 | 6.1 | 6.2 | 6.5 | 6.9 | 5.5 | 5.9 | 5.9 | 6.2 | 6.6 |
| 6H | 5.7 | 5.9 | 6.1 | 6.4 | 6.8 | 5.4 | 5.7 | 5.8 | 6.1 | 6.5 |
| 8H | 5.6 | 5.9 | 6.1 | 6.3 | 6.8 | 5.3 | 5.6 | 5.8 | 6.0 | 6.5 |
| Variations with the observer position at spacings: | | | | | | | | | | |
| S = 1.0H | + 3.0 / - 3.9 | | | | | + 3.3 / - 4.6 | | | | |
| 1.5H | + 5.2 / - 4.2 | | | | | + 5.3 / - 4.3 | | | | |
| 2.0H | + 1.4 / - 2.5 | | | | | + 1.7 / - 3.1 | | | | |

CIE Pub.117 Corrected 635.8 lm Total Lamp Luminous Flux.(8log(F/F0) = -1.6)

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.2DEG
 Operators:Cao Chengpei
 Test Date:2016-06-24

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.288
 Humidity:52%
 Test Distance:5.850m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

| | | |
|--|-------------------------|-------------|
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| SPEC.:4000K | DIM.: L98mm*W45mm*H60mm | |
| MFR.: | | |

| 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) $k(RI) \times RCR = 5$ | | | | | | | | | |
| $k = 0.60$ | 91 | 86 | 82 | 91 | 85 | 82 | 90 | 85 | 82 | 79 |
| 0.80 | 98 | 93 | 90 | 97 | 93 | 90 | 96 | 92 | 89 | 86 |
| 1.00 | 102 | 97 | 94 | 101 | 96 | 93 | 100 | 96 | 93 | 89 |
| 1.25 | 105 | 101 | 98 | 104 | 100 | 97 | 102 | 99 | 96 | 93 |
| 1.50 | 108 | 104 | 101 | 107 | 103 | 100 | 104 | 101 | 99 | 95 |
| 2.00 | 110 | 106 | 103 | 108 | 105 | 103 | 106 | 103 | 101 | 96 |
| 2.50 | 111 | 108 | 105 | 110 | 107 | 104 | 107 | 104 | 102 | 97 |
| 3.00 | 113 | 110 | 107 | 111 | 108 | 106 | 108 | 106 | 104 | 98 |
| 4.00 | 115 | 112 | 110 | 113 | 110 | 109 | 109 | 107 | 106 | 99 |
| 5.00 | 116 | 114 | 112 | 114 | 112 | 111 | 110 | 109 | 107 | 100 |
| ROOM INDEX | UF(total) | | | | | | | | | Direct |
| According to DIN EN 13032-2 2004 | | | Suspended | | | | | SHRNOM = 1.25 | | |

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ISOCANDELA DIAGRAM

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| MFR.: | | |

Conical surface Flux(90deg):

633.11 lm

%lum = 99.6%

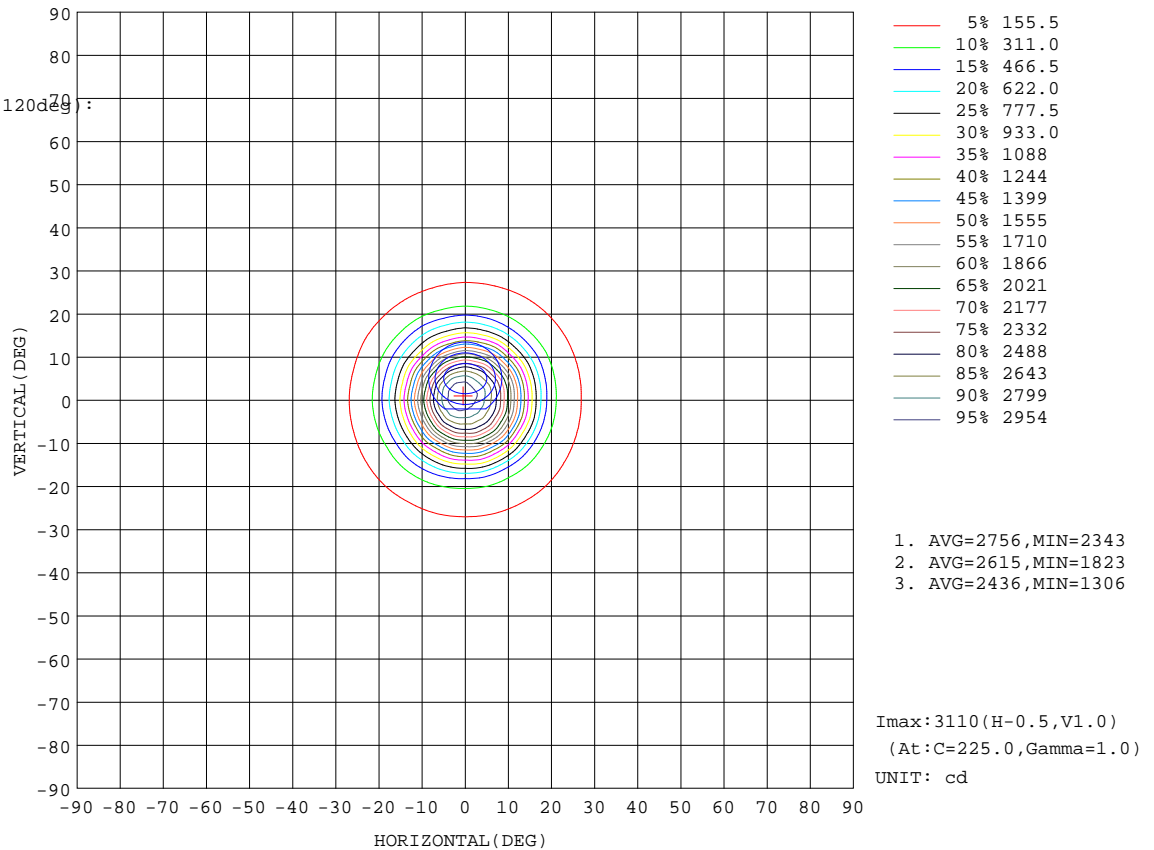
%lamp = 99.6%

Conical surface Flux(120deg):

635.22 lm

%lum = 99.9%

%lamp = 99.9%

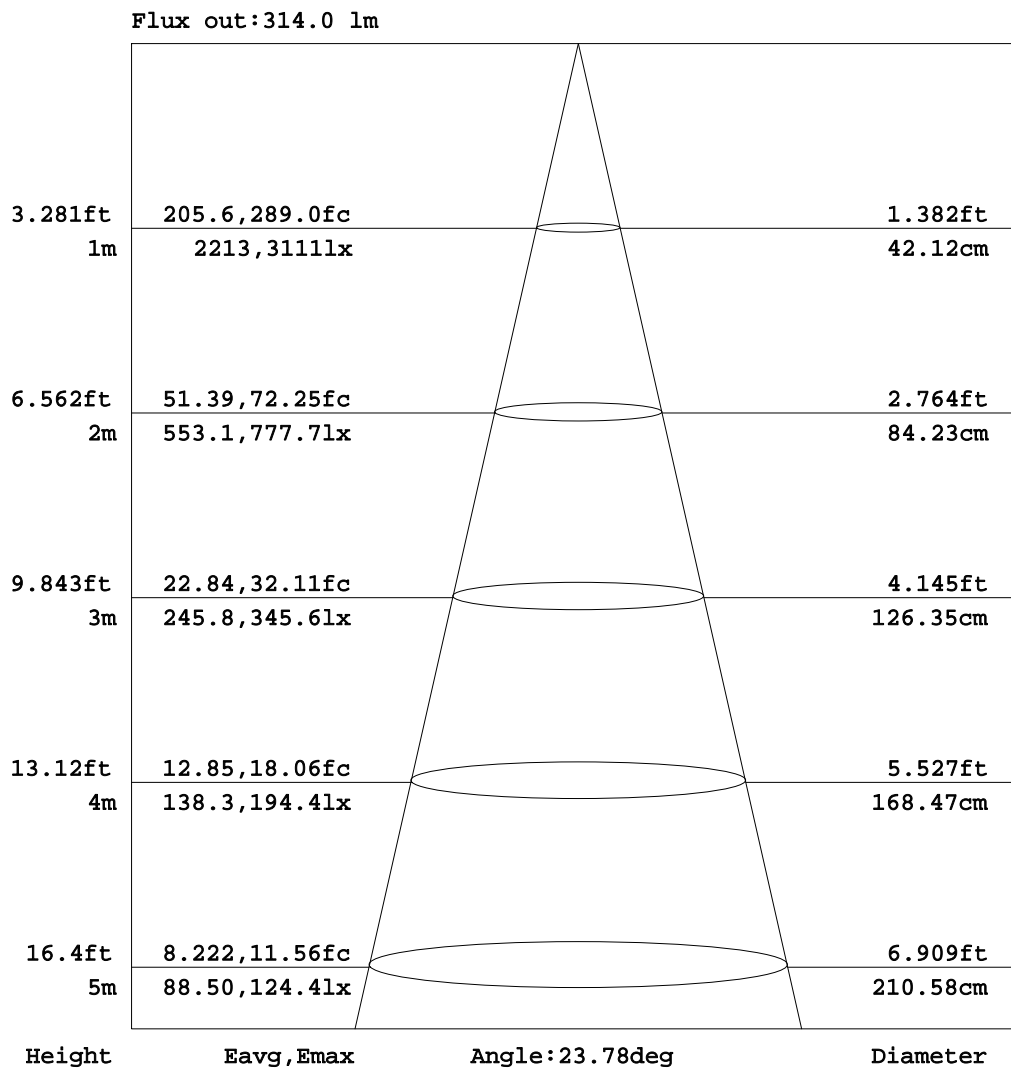


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AAI Figure

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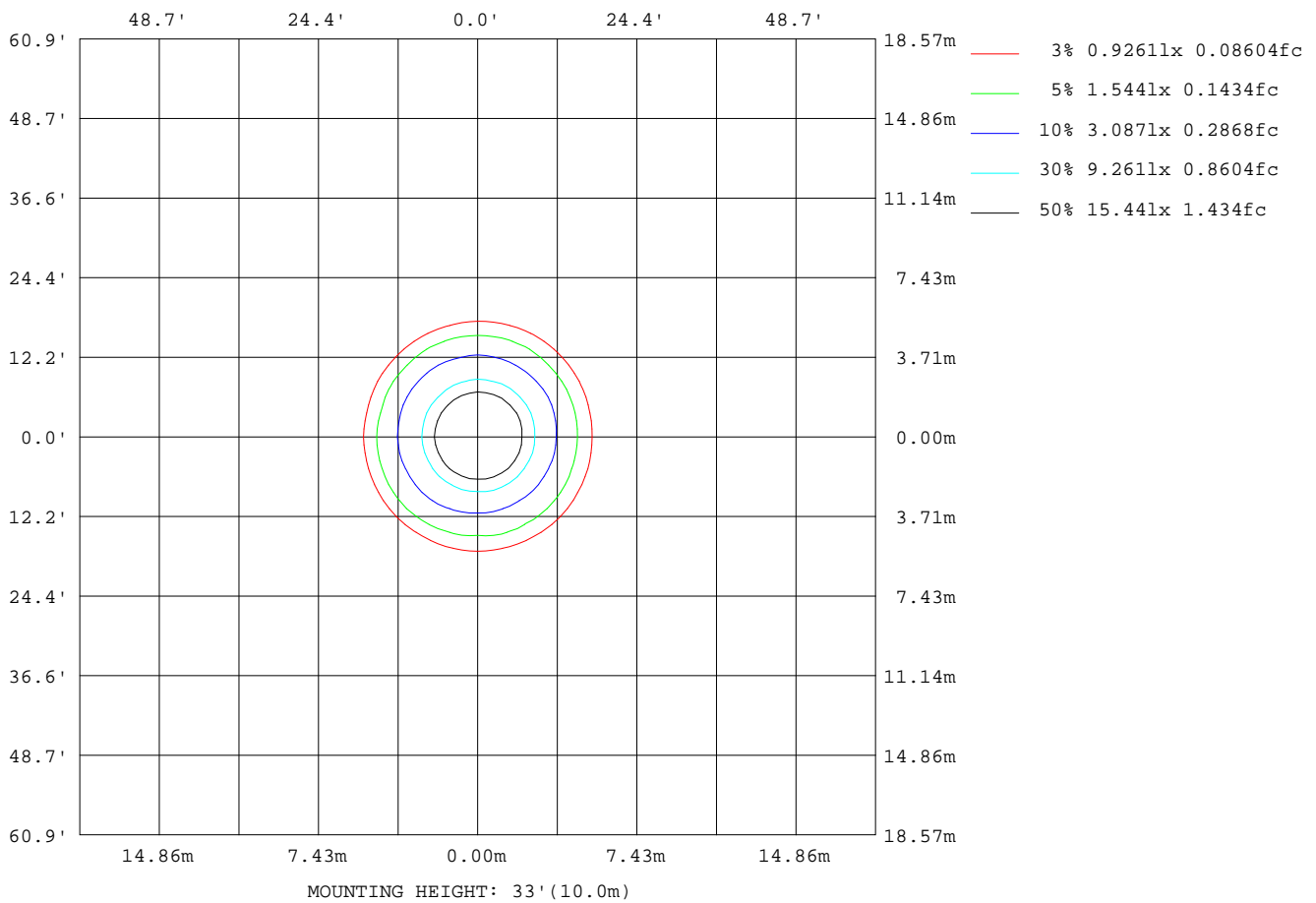
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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ISOLUX DIAGRAM

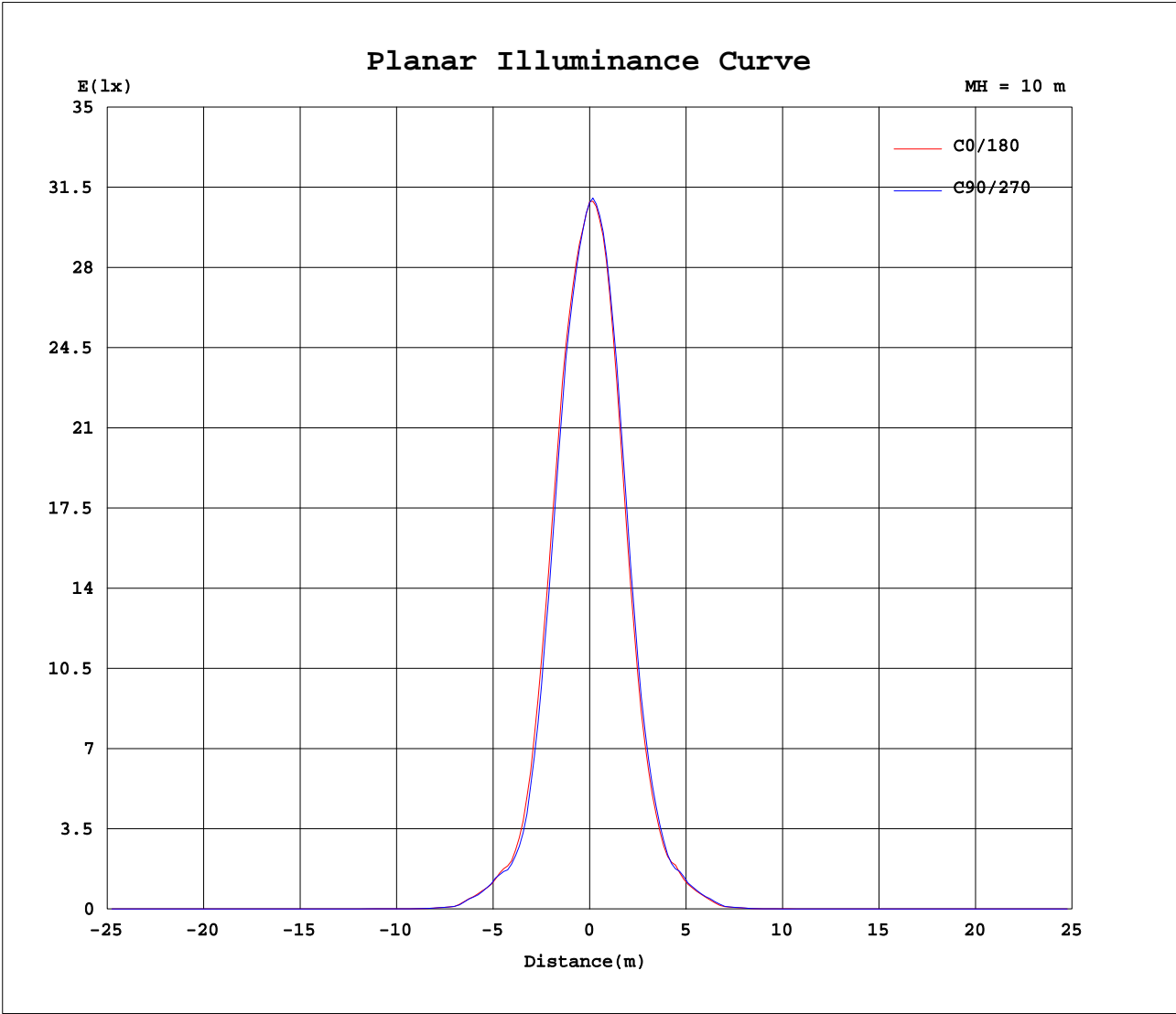
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Remarks:

Planar Illuminance Curve



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LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|--|-------------------------|-------------|
| Test:U:220.1V I:0.0483A P:8.871W PF:0.8339 Lamp Flux:635.84x1 lm | | |
| NAME: LE-FF3-7W-840-24D Specular | TYPE:Downlight | SERIAL No.: |
| SPEC.:4000K | DIM.: L98mm*W45mm*H60mm | |
| MFR.: | | |

Table--1

UNIT: cd

[illegible]

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.2DEG
Operators: Cao Chengpei
Test Date: 2016-06-24

```

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.288
Humidity:52%
Test Distance:5.850m [K=1.0000]
Remarks:

```

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|--|-------------------------|-------------|
| Test:U:220.1V I:0.0483A P:8.871W PF:0.8339 Lamp Flux:635.84x1 lm | | |
| NAME: LE-FF3-7W-840-24D Specular | TYPE:Downlight | SERIAL No.: |
| SPEC.:4000K | DIM.: L98mm*W45mm*H60mm | |
| MFR.: | | |

Table--2

UNIT: cd

[illegible]

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.2DEG
Operators: Cao Chengpei
Test Date: 2016-06-24

```

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.288
Humidity:52%
Test Distance:5.850m [K=1.0000]
Remarks:

```

Photometric Data Table [cd]

| G/C | 0.0 | 15.0 | 30.0 | 45.0 | 60.0 | 75.0 | 90.0 | 105.0 | 120.0 | 135.0 |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0.0 | 3087 | 3088 | 3085 | 3088 | 3083 | 3088 | 3084 | 3089 | 3097 | 3098 |
| 3.0 | 2914 | 2910 | 2893 | 2895 | 2881 | 2897 | 2893 | 2911 | 2941 | 2961 |
| 6.0 | 2636 | 2633 | 2613 | 2627 | 2600 | 2607 | 2584 | 2607 | 2620 | 2658 |
| 9.0 | 2174 | 2192 | 2162 | 2173 | 2128 | 2117 | 2081 | 2102 | 2086 | 2115 |
| 12.0 | 1575 | 1586 | 1566 | 1565 | 1512 | 1511 | 1456 | 1473 | 1443 | 1482 |
| 15.0 | 1013 | 1016 | 974.5 | 977.8 | 948.1 | 948.7 | 897.2 | 908.2 | 905.0 | 927.4 |
| 18.0 | 569.7 | 549.9 | 543.7 | 522.1 | 494.8 | 497.9 | 482.7 | 500.0 | 519.4 | 537.7 |
| 21.0 | 315.9 | 310.5 | 299.6 | 297.2 | 285.3 | 288.7 | 286.4 | 293.5 | 307.4 | 318.8 |
| 24.0 | 230.9 | 228.4 | 239.4 | 236.2 | 243.9 | 236.8 | 214.9 | 236.4 | 241.8 | 244.6 |
| 27.0 | 152.4 | 152.2 | 152.9 | 155.7 | 155.0 | 156.6 | 156.0 | 156.5 | 152.3 | 153.9 |
| 30.0 | 103.6 | 102.8 | 99.11 | 99.94 | 97.67 | 97.57 | 96.43 | 97.15 | 94.68 | 97.15 |
| 33.0 | 55.42 | 61.36 | 56.03 | 66.04 | 54.10 | 58.91 | 52.29 | 56.49 | 51.12 | 50.52 |
| 36.0 | 17.04 | 17.77 | 19.02 | 18.81 | 18.79 | 18.27 | 17.53 | 17.87 | 16.97 | 17.41 |
| 39.0 | 9.079 | 9.679 | 9.769 | 10.45 | 9.459 | 9.694 | 9.035 | 8.971 | 8.247 | 8.454 |
| 42.0 | 3.407 | 3.565 | 3.577 | 3.691 | 3.643 | 3.658 | 3.480 | 3.397 | 3.043 | 2.936 |
| 45.0 | 2.162 | 2.268 | 2.353 | 2.390 | 2.406 | 2.356 | 2.312 | 2.226 | 2.025 | 1.951 |
| 48.0 | 2.175 | 2.277 | 2.336 | 2.429 | 2.432 | 2.377 | 2.292 | 2.175 | 1.962 | 1.870 |
| 51.0 | 2.209 | 2.275 | 2.367 | 2.411 | 2.399 | 2.283 | 2.163 | 2.006 | 1.795 | 1.718 |
| 54.0 | 2.048 | 2.106 | 2.172 | 2.193 | 2.106 | 1.974 | 1.817 | 1.660 | 1.480 | 1.420 |
| 57.0 | 1.695 | 1.739 | 1.772 | 1.775 | 1.642 | 1.507 | 1.344 | 1.215 | 1.079 | 1.028 |
| 60.0 | 1.229 | 1.255 | 1.278 | 1.260 | 1.131 | 1.011 | 0.8876 | 0.7914 | 0.7126 | 0.6659 |
| 63.0 | 0.7835 | 0.7955 | 0.8282 | 0.8041 | 0.7193 | 0.6253 | 0.5508 | 0.4849 | 0.4419 | 0.4020 |
| 66.0 | 0.4697 | 0.4680 | 0.5102 | 0.4872 | 0.4440 | 0.3766 | 0.3415 | 0.2958 | 0.2838 | 0.2469 |
| 69.0 | 0.2754 | 0.2723 | 0.3180 | 0.3022 | 0.2923 | 0.2405 | 0.2346 | 0.2000 | 0.2005 | 0.1681 |
| 72.0 | 0.1665 | 0.1618 | 0.2155 | 0.2043 | 0.2111 | 0.1682 | 0.1770 | 0.1468 | 0.1557 | 0.1298 |
| 75.0 | 0.1301 | 0.1256 | 0.1642 | 0.1511 | 0.1599 | 0.1277 | 0.1323 | 0.1064 | 0.1194 | 0.0980 |
| 78.0 | 0.1023 | 0.0979 | 0.1301 | 0.1149 | 0.1195 | 0.0936 | 0.1002 | 0.0766 | 0.0938 | 0.0681 |
| 81.0 | 0.0810 | 0.0767 | 0.1066 | 0.0830 | 0.0896 | 0.0617 | 0.0746 | 0.0532 | 0.0704 | 0.0532 |
| 84.0 | 0.0618 | 0.0724 | 0.0832 | 0.0617 | 0.0661 | 0.0362 | 0.0491 | 0.0319 | 0.0512 | 0.0320 |
| 87.0 | 0.0596 | 0.0575 | 0.0618 | 0.0426 | 0.0469 | 0.0320 | 0.0341 | 0.0256 | 0.0342 | 0.0298 |
| 90.0 | 0.0469 | 0.0533 | 0.0490 | 0.0447 | 0.0383 | 0.0320 | 0.0277 | 0.0256 | 0.0298 | 0.0298 |
| G/C | 150.0 | 165.0 | 180.0 | 195.0 | 210.0 | 225.0 | 240.0 | 255.0 | 270.0 | 285.0 |
| 0.0 | 3097 | 3094 | 3087 | 3088 | 3085 | 3088 | 3083 | 3088 | 3084 | 3089 |
| 3.0 | 2972 | 3002 | 3019 | 3033 | 3062 | 3053 | 3052 | 3035 | 3038 | 3005 |
| 6.0 | 2660 | 2690 | 2722 | 2730 | 2775 | 2768 | 2782 | 2759 | 2756 | 2733 |
| 9.0 | 2096 | 2123 | 2166 | 2148 | 2187 | 2176 | 2220 | 2220 | 2246 | 2228 |
| 12.0 | 1450 | 1475 | 1516 | 1489 | 1525 | 1527 | 1565 | 1569 | 1607 | 1604 |
| 15.0 | 907.6 | 920.2 | 954.5 | 941.7 | 980.0 | 969.1 | 999.4 | 1002 | 1028 | 1029 |
| 18.0 | 544.1 | 555.0 | 581.9 | 586.9 | 605.2 | 613.7 | 626.9 | 619.2 | 632.0 | 624.6 |
| 21.0 | 314.6 | 327.3 | 340.2 | 338.6 | 357.5 | 356.1 | 369.3 | 355.0 | 368.2 | 358.9 |
| 24.0 | 259.8 | 250.2 | 251.8 | 242.7 | 259.9 | 259.9 | 250.8 | 257.6 | 230.1 | 255.2 |
| 27.0 | 152.0 | 150.8 | 152.9 | 149.9 | 154.6 | 153.2 | 154.5 | 156.1 | 161.7 | 160.4 |
| 30.0 | 94.07 | 95.58 | 99.42 | 99.15 | 100.7 | 103.6 | 104.2 | 100.9 | 104.0 | 107.3 |
| 33.0 | 49.10 | 45.09 | 45.61 | 46.74 | 55.42 | 49.35 | 53.77 | 51.27 | 55.07 | 56.05 |
| 36.0 | 16.84 | 16.09 | 16.48 | 16.64 | 17.45 | 17.30 | 17.49 | 16.95 | 17.22 | 17.50 |
| 39.0 | 7.785 | 7.572 | 8.444 | 8.175 | 9.561 | 8.861 | 9.209 | 8.260 | 8.924 | 8.736 |
| 42.0 | 2.740 | 2.691 | 2.763 | 2.755 | 2.800 | 2.724 | 2.704 | 2.653 | 2.673 | 2.740 |
| 45.0 | 1.927 | 1.896 | 1.985 | 1.914 | 1.840 | 1.746 | 1.646 | 1.599 | 1.616 | 1.656 |
| 48.0 | 1.856 | 1.834 | 1.936 | 1.855 | 1.768 | 1.642 | 1.542 | 1.497 | 1.517 | 1.570 |
| 51.0 | 1.690 | 1.667 | 1.767 | 1.745 | 1.661 | 1.575 | 1.478 | 1.460 | 1.480 | 1.570 |
| 54.0 | 1.371 | 1.337 | 1.421 | 1.428 | 1.420 | 1.353 | 1.294 | 1.287 | 1.324 | 1.417 |
| 57.0 | 0.9728 | 0.9106 | 0.9741 | 1.002 | 1.059 | 1.032 | 1.009 | 1.013 | 1.064 | 1.151 |
| 60.0 | 0.6210 | 0.5573 | 0.5953 | 0.6208 | 0.6932 | 0.7037 | 0.6955 | 0.7080 | 0.7466 | 0.8252 |
| 63.0 | 0.3821 | 0.3254 | 0.3359 | 0.3670 | 0.4145 | 0.4374 | 0.4316 | 0.4481 | 0.4784 | 0.5398 |
| 66.0 | 0.2412 | 0.1936 | 0.1829 | 0.2197 | 0.2467 | 0.2731 | 0.2659 | 0.2795 | 0.2871 | 0.3392 |
| 69.0 | 0.1749 | 0.1319 | 0.1255 | 0.1535 | 0.1617 | 0.1855 | 0.1702 | 0.1876 | 0.1808 | 0.2217 |
| 72.0 | 0.1386 | 0.0980 | 0.0915 | 0.1194 | 0.1213 | 0.1428 | 0.1255 | 0.1386 | 0.1255 | 0.1557 |
| 75.0 | 0.1067 | 0.0745 | 0.0660 | 0.0959 | 0.0915 | 0.1087 | 0.0915 | 0.1044 | 0.0893 | 0.1173 |
| 78.0 | 0.0874 | 0.0638 | 0.0404 | 0.0767 | 0.0681 | 0.0832 | 0.0639 | 0.0789 | 0.0639 | 0.0938 |
| 81.0 | 0.0703 | 0.0425 | 0.0255 | 0.0597 | 0.0468 | 0.0661 | 0.0426 | 0.0618 | 0.0425 | 0.0704 |
| 84.0 | 0.0512 | 0.0320 | 0.0170 | 0.0448 | 0.0320 | 0.0511 | 0.0298 | 0.0427 | 0.0277 | 0.0533 |
| 87.0 | 0.0363 | 0.0320 | 0.0170 | 0.0341 | 0.0256 | 0.0320 | 0.0213 | 0.0277 | 0.0192 | 0.0363 |
| 90.0 | 0.0320 | 0.0320 | 0.0170 | 0.0277 | 0.0277 | 0.0234 | 0.0213 | 0.0213 | 0.0192 | 0.0277 |
| G/C | 300.0 | 315.0 | 330.0 | 345.0 | | | | | | |
| 0.0 | 3097 | 3098 | 3097 | 3094 | | | | | | |
| 3.0 | 2980 | 2966 | 2972 | 2942 | | | | | | |
| 6.0 | 2717 | 2702 | 2709 | 2673 | | | | | | |
| 9.0 | 2271 | 2243 | 2279 | 2233 | | | | | | |
| 12.0 | 1649 | 1635 | 1660 | 1637 | | | | | | |
| 15.0 | 1072 | 1052 | 1067 | 1045 | | | | | | |
| 18.0 | 630.1 | 625.1 | 619.1 | 601.1 | | | | | | |
| 21.0 | 356.1 | 349.3 | 354.2 | 330.1 | | | | | | |

C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature: 25.2DEG

Operators: Cao Chengpei

Test Date: 2016-06-24

γ Range: 0 - 90DEG

γ Interval: 1.0DEG

Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.288

Humidity: 52%

Test Distance: 5.850m [K=1.0000]

Remarks:

Photometric Data Table [cd]

| | | | | |
|------|--------|--------|--------|--------|
| 24.0 | 242.9 | 247.3 | 236.4 | 237.3 |
| 27.0 | 161.8 | 161.7 | 160.8 | 157.6 |
| 30.0 | 111.7 | 111.7 | 108.8 | 107.6 |
| 33.0 | 64.17 | 59.55 | 63.64 | 56.44 |
| 36.0 | 18.35 | 18.41 | 18.47 | 17.34 |
| 39.0 | 9.805 | 10.01 | 10.41 | 9.681 |
| 42.0 | 2.966 | 3.055 | 3.287 | 3.313 |
| 45.0 | 1.748 | 1.850 | 1.967 | 2.038 |
| 48.0 | 1.677 | 1.764 | 1.886 | 1.972 |
| 51.0 | 1.666 | 1.800 | 1.906 | 2.013 |
| 54.0 | 1.535 | 1.677 | 1.799 | 1.903 |
| 57.0 | 1.268 | 1.403 | 1.524 | 1.605 |
| 60.0 | 0.9232 | 1.036 | 1.140 | 1.185 |
| 63.0 | 0.6060 | 0.6890 | 0.7570 | 0.7745 |
| 66.0 | 0.3701 | 0.4331 | 0.4700 | 0.4715 |
| 69.0 | 0.2318 | 0.2773 | 0.2850 | 0.2858 |
| 72.0 | 0.1575 | 0.1920 | 0.1893 | 0.1813 |
| 75.0 | 0.1170 | 0.1492 | 0.1384 | 0.1365 |
| 78.0 | 0.0830 | 0.1172 | 0.1022 | 0.1151 |
| 81.0 | 0.0681 | 0.0938 | 0.0830 | 0.0959 |
| 84.0 | 0.0425 | 0.0683 | 0.0618 | 0.0831 |
| 87.0 | 0.0362 | 0.0533 | 0.0426 | 0.0640 |
| 90.0 | 0.0341 | 0.0426 | 0.0426 | 0.0554 |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.2DEG
Operators: Cao Chengpei
Test Date: 2016-06-24

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.288
Humidity: 52%
Test Distance: 5.850m [K=1.0000]
Remarks: