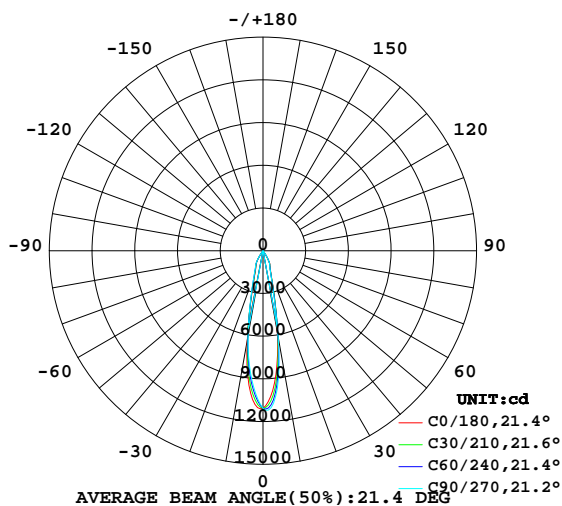


LUMINAIRE PHOTOMETRIC TEST REPORT

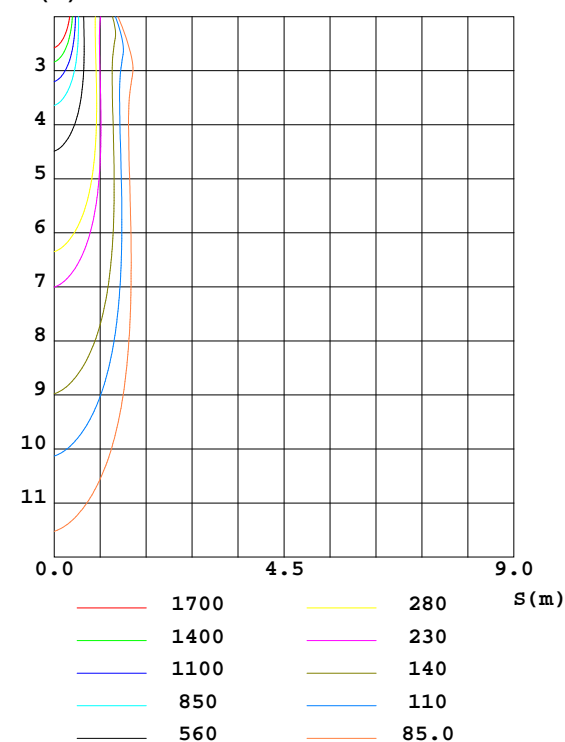
| | | |
|---|--------|-------------------|
| Test:U:226.5V I:0.1270A P:27.80W PF:0.9620 Lamp Flux:2553.26x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 91.84 lm/W | | | |
|------------------|--------------------|----------------------------------|--------|-------------------|----------|
| MODEL | SD042-30W-940-W-20 | I _{max} (cd) | 11268 | S/MH(C0/180) | 0.36 |
| NOMINAL POWER(W) | 30 | LOR(%) | 100.0 | S/MH(C90/270) | 0.36 |
| RATED VOLTAGE(V) | 226 | TOTAL FLUX(lm) | 2553.3 | η UP,DN(C0-180) | 1.2,48.1 |
| NOMINAL FLUX(lm) | 2553.26 | CIE CLASS | DIRECT | η UP,DN(C180-360) | 1.4,49.3 |
| LAMPS INSIDE | 1 | η up(%) | 2.6 | CIBSE SHR NOM | 0.00 |
| TEST VOLTAGE(V) | 226.5 | η down(%) | 97.4 | 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:25.3DEG
 Operators:ZhangXiao
 Test Date:2016-09-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
 Humidity:65.0%
 Test Distance:6.590m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ | Φ zone | Φ total | %lum, lamp |
|----------|--------------------------|--------|--------|--------|--------|--------|--------|--------|----------|-------------|--------------|------------|
| 10 | 586.9 | 619.6 | 618.6 | 645.6 | 640.1 | 606.1 | 602.2 | 581.6 | 0- 10 | 809.3 | 809.3 | 31.7,31.7 |
| 20 | 160.6 | 159.4 | 151.3 | 156.8 | 164.0 | 170.0 | 183.1 | 171.7 | 10- 20 | 860.4 | 1670 | 65.4,65.4 |
| 30 | 80.36 | 79.60 | 76.12 | 81.30 | 84.91 | 85.35 | 88.92 | 84.87 | 20- 30 | 548.8 | 2219 | 86.9,86.9 |
| 40 | 6.994 | 6.607 | 6.769 | 6.827 | 7.050 | 7.269 | 7.507 | 7.538 | 30- 40 | 190.1 | 2409 | 94.3,94.3 |
| 50 | 2.336 | 2.382 | 2.301 | 2.368 | 2.322 | 2.332 | 2.413 | 2.446 | 40- 50 | 30.56 | 2439 | 95.5,95.5 |
| 60 | 1.529 | 1.539 | 1.533 | 1.548 | 1.509 | 1.507 | 1.520 | 1.527 | 50- 60 | 16.60 | 2456 | 96.2,96.2 |
| 70 | 1.134 | 1.147 | 1.146 | 1.157 | 1.128 | 1.137 | 1.123 | 1.133 | 60- 70 | 13.20 | 2469 | 96.7,96.7 |
| 80 | 0.7954 | 0.7906 | 0.7777 | 0.7838 | 0.7845 | 0.8036 | 0.7957 | 0.8024 | 70- 80 | 10.09 | 2479 | 97.1,97.1 |
| 90 | 0.5015 | 0.5303 | 0.4949 | 0.4959 | 0.5958 | 0.6372 | 0.5976 | 0.5996 | 80- 90 | 7.239 | 2486 | 97.4,97.4 |
| 100 | 0.4054 | 0.4143 | 0.4018 | 0.4013 | 0.6185 | 0.6369 | 0.6198 | 0.6205 | 90-100 | 5.742 | 2492 | 97.6,97.6 |
| 110 | 0.5249 | 0.5280 | 0.5287 | 0.5217 | 0.6831 | 0.6834 | 0.6796 | 0.6847 | 100-110 | 5.797 | 2498 | 97.8,97.8 |
| 120 | 0.7122 | 0.7220 | 0.7291 | 0.7197 | 0.8265 | 0.8227 | 0.8139 | 0.8236 | 110-120 | 6.745 | 2505 | 98.1,98.1 |
| 130 | 1.127 | 1.130 | 1.133 | 1.119 | 1.184 | 1.184 | 1.179 | 1.195 | 120-130 | 8.379 | 2513 | 98.4,98.4 |
| 140 | 1.678 | 1.683 | 1.687 | 1.682 | 1.696 | 1.691 | 1.684 | 1.700 | 130-140 | 11.01 | 2524 | 98.9,98.9 |
| 150 | 1.990 | 1.990 | 1.992 | 1.994 | 2.008 | 2.005 | 1.999 | 2.011 | 140-150 | 11.68 | 2536 | 99.3,99.3 |
| 160 | 2.103 | 2.112 | 2.108 | 2.117 | 2.121 | 2.121 | 2.122 | 2.130 | 150-160 | 9.551 | 2545 | 99.7,99.7 |
| 170 | 2.098 | 2.108 | 2.107 | 2.124 | 2.128 | 2.129 | 2.138 | 2.145 | 160-170 | 6.058 | 2551 | 99.9,99.9 |
| 180 | 2.027 | 2.042 | 2.036 | 2.040 | 2.036 | 2.038 | 2.040 | 2.038 | 170-180 | 1.983 | 2553 | 100,100 |
| DEG | LUMINOUS INTENSITY:×10cd | | | | | | | | | UNIT:lm | | |

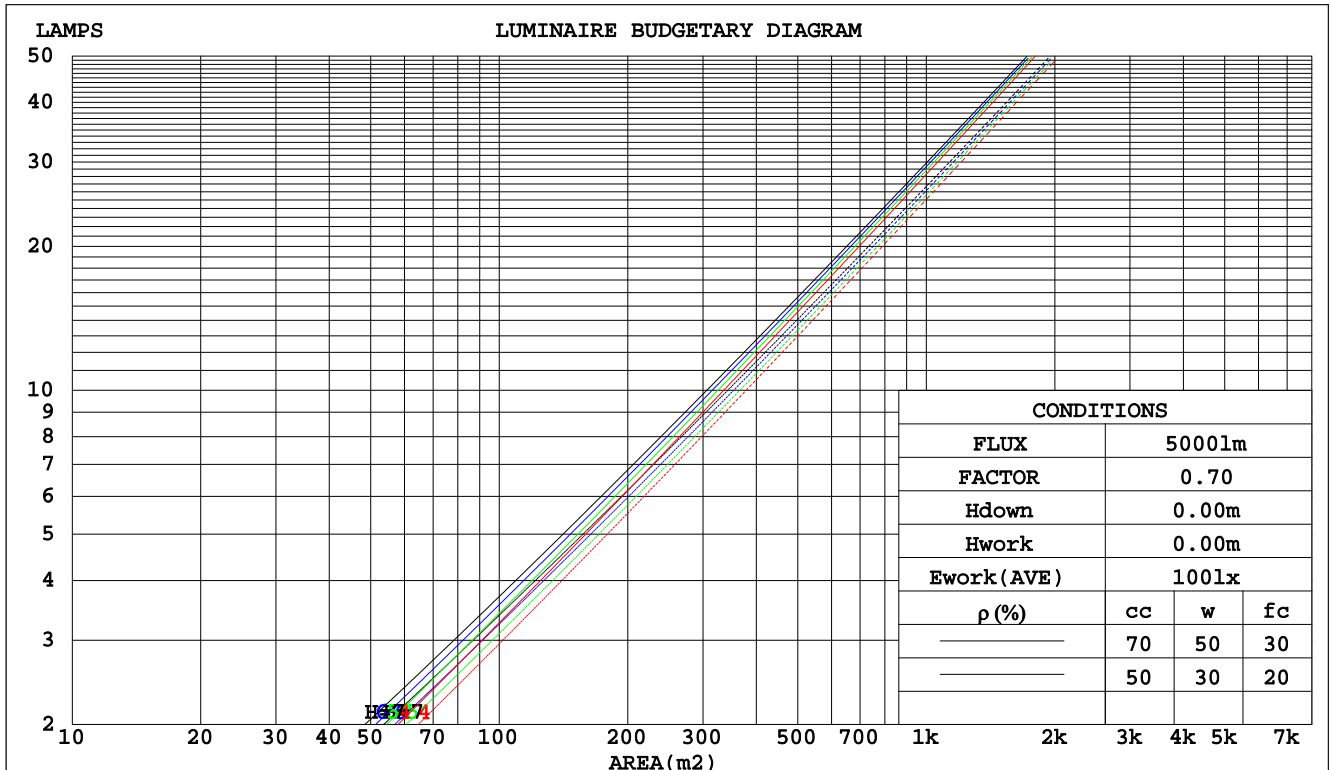
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2016-09-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 γ Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:6.590m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|---|--------|-------------------|
| Test:U:226.5V I:0.1270A P:27.80W PF:0.9620 Lamp Flux:2553.26x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |

| pcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|-----|-----|-----|-----|
| pw | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| pfc | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Coefficients of Utilization(CU) | | | | | | | | | |
| 0.0 | 1.18 | 1.18 | 1.18 | 1.15 | 1.15 | 1.15 | 1.10 | 1.10 | 1.10 | 1.04 | 1.04 | 1.04 | .00 | .00 | .00 | .97 |
| 1.0 | 1.11 | 1.09 | 1.07 | 1.09 | 1.07 | 1.05 | 1.04 | 1.03 | 1.02 | 1.00 | .99 | .98 | .97 | .96 | .95 | .93 |
| 2.0 | 1.05 | 1.02 | .99 | 1.03 | 1.00 | .98 | .00 | .97 | .95 | .97 | .95 | .93 | .94 | .92 | .91 | .89 |
| 3.0 | 1.00 | .96 | .93 | .99 | .95 | .92 | .96 | .93 | .90 | .93 | .91 | .88 | .91 | .89 | .87 | .85 |
| 4.0 | .95 | .91 | .88 | .94 | .90 | .87 | .92 | .88 | .86 | .90 | .87 | .84 | .88 | .85 | .83 | .82 |
| 5.0 | .91 | .87 | .83 | .90 | .86 | .83 | .88 | .85 | .82 | .87 | .83 | .81 | .85 | .82 | .80 | .79 |
| 6.0 | .88 | .83 | .80 | .87 | .82 | .79 | .85 | .81 | .79 | .84 | .80 | .78 | .82 | .79 | .77 | .76 |
| 7.0 | .84 | .80 | .76 | .84 | .79 | .76 | .82 | .78 | .76 | .81 | .78 | .75 | .80 | .77 | .74 | .73 |
| 8.0 | .81 | .77 | .73 | .81 | .76 | .73 | .79 | .76 | .73 | .78 | .75 | .72 | .77 | .74 | .72 | .71 |
| 9.0 | .78 | .74 | .71 | .78 | .74 | .71 | .77 | .73 | .70 | .76 | .72 | .70 | .75 | .72 | .70 | .69 |
| 10.0 | .76 | .71 | .68 | .75 | .71 | .68 | .75 | .71 | .68 | .74 | .70 | .68 | .73 | .70 | .67 | .66 |



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2016-09-09

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:6.590m [K=1.0000]
Remarks:

WEC AND CCEC

| | | | | | | | | |
|---|--|--|--------|--|--|-------------------|--|--|
| Test:U:226.5V I:0.1270A P:27.80W PF:0.9620 Lamp Flux:2553.26x1 lm | | | | | | | | |
| NAME: | | | TYPE: | | | WEIGHT: | | |
| DIM.: | | | SPEC.: | | | SERIAL No.: | | |
| MFR.: Rayconn | | | SUR.: | | | PROTECTION ANGLE: | | |

| pcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|------|------|------|---|
| pw | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| pfc | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Wall Exitance Coefficients(WEC) | | | | | | | | | |
| 0.0 | | | | | | | | | | | | | | | | |
| 1.0 | .154 | .088 | .028 | .147 | .084 | .027 | .133 | .076 | .024 | .120 | .069 | .022 | .108 | .063 | .020 | |
| 2.0 | .143 | .078 | .024 | .136 | .075 | .023 | .125 | .069 | .022 | .114 | .064 | .020 | .104 | .059 | .019 | |
| 3.0 | .133 | .071 | .021 | .128 | .068 | .021 | .118 | .064 | .019 | .109 | .059 | .018 | .100 | .055 | .017 | |
| 4.0 | .125 | .065 | .019 | .120 | .063 | .019 | .112 | .059 | .018 | .104 | .056 | .017 | .096 | .052 | .016 | |
| 5.0 | .118 | .060 | .017 | .114 | .058 | .017 | .106 | .055 | .016 | .099 | .052 | .016 | .093 | .050 | .015 | |
| 6.0 | .111 | .056 | .016 | .108 | .054 | .016 | .101 | .052 | .015 | .095 | .049 | .015 | .089 | .047 | .014 | |
| 7.0 | .105 | .052 | .015 | .102 | .051 | .015 | .097 | .049 | .014 | .091 | .047 | .014 | .086 | .045 | .013 | |
| 8.0 | .100 | .049 | .014 | .098 | .048 | .014 | .093 | .046 | .013 | .088 | .044 | .013 | .083 | .043 | .012 | |
| 9.0 | .096 | .046 | .013 | .093 | .046 | .013 | .089 | .044 | .012 | .084 | .042 | .012 | .080 | .041 | .012 | |
| 10.0 | .092 | .044 | .012 | .090 | .043 | .012 | .085 | .042 | .012 | .081 | .040 | .011 | .078 | .039 | .011 | |

| 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 | .210 | .210 | .210 | .180 | .180 | .180 | .123 | .123 | .123 | .071 | .071 | .071 | .023 | .023 | .023 | |
| 1.0 | .190 | .178 | .167 | .162 | .152 | .144 | .111 | .105 | .099 | .064 | .061 | .058 | .020 | .020 | .019 | |
| 2.0 | .173 | .153 | .136 | .148 | .132 | .118 | .101 | .091 | .082 | .058 | .053 | .048 | .019 | .017 | .016 | |
| 3.0 | .158 | .134 | .114 | .136 | .115 | .099 | .093 | .080 | .069 | .054 | .047 | .041 | .017 | .015 | .013 | |
| 4.0 | .147 | .119 | .097 | .126 | .103 | .085 | .087 | .071 | .060 | .050 | .042 | .035 | .016 | .014 | .012 | |
| 5.0 | .137 | .107 | .085 | .117 | .092 | .074 | .081 | .064 | .052 | .047 | .038 | .031 | .015 | .012 | .010 | |
| 6.0 | .128 | .097 | .075 | .110 | .084 | .065 | .076 | .059 | .046 | .044 | .035 | .027 | .014 | .011 | .009 | |
| 7.0 | .121 | .089 | .067 | .104 | .077 | .058 | .072 | .054 | .041 | .042 | .032 | .024 | .013 | .010 | .008 | |
| 8.0 | .115 | .082 | .060 | .099 | .071 | .053 | .068 | .050 | .037 | .040 | .030 | .022 | .013 | .010 | .007 | |
| 9.0 | .109 | .077 | .055 | .094 | .067 | .048 | .065 | .047 | .034 | .038 | .028 | .020 | .012 | .009 | .007 | |
| 10.0 | .104 | .072 | .051 | .090 | .063 | .044 | .062 | .044 | .032 | .036 | .026 | .019 | .012 | .009 | .006 | |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2016-09-09

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:6.590m [K=1.0000]
Remarks:

Uncorrected UGR Table

| | | | | | | | | | | | |
|---|---------------|------------------|------|------|--------|---------------|----------------|-------------------|------|------|------|
| Test:U:226.5V I:0.1270A P:27.80W PF:0.9620 Lamp Flux:2553.26x1 lm | | | | | | | | | | | |
| NAME: | | | | | TYPE: | | | WEIGHT: | | | |
| DIM.: | | | | | SPEC.: | | | SERIAL No.: | | | |
| MFR.: Rayconn | | | | | SUR.: | | | PROTECTION ANGLE: | | | |
| ceiling/cavity | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 | |
| walls | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 | |
| working plane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | |
| Room dimensions | | Viewed crosswise | | | | | Viewed endwise | | | | |
| x = 2H y = 2H | 13.8 | 14.5 | 14.0 | 14.7 | 14.9 | 13.5 | 14.2 | 13.7 | 14.4 | 14.6 | |
| | 3H | 14.0 | 14.7 | 14.3 | 14.9 | 15.1 | 13.7 | 14.4 | 14.0 | 14.6 | 14.9 |
| | 4H | 14.2 | 14.8 | 14.5 | 15.1 | 15.4 | 13.9 | 14.6 | 14.2 | 14.8 | 15.1 |
| | 6H | 14.5 | 15.1 | 14.8 | 15.4 | 15.7 | 14.3 | 14.9 | 14.6 | 15.1 | 15.4 |
| | 8H | 14.7 | 15.3 | 15.1 | 15.6 | 15.9 | 14.5 | 15.0 | 14.8 | 15.3 | 15.6 |
| | 12H | 15.0 | 15.5 | 15.3 | 15.9 | 16.2 | 14.7 | 15.3 | 15.1 | 15.6 | 15.9 |
| 4H | 2H | 13.7 | 14.3 | 14.0 | 14.6 | 14.8 | 13.4 | 14.0 | 13.7 | 14.3 | 14.5 |
| | 3H | 14.1 | 14.6 | 14.4 | 14.9 | 15.2 | 13.8 | 14.4 | 14.2 | 14.7 | 15.0 |
| | 4H | 14.4 | 14.9 | 14.8 | 15.3 | 15.6 | 14.2 | 14.7 | 14.6 | 15.0 | 15.4 |
| | 6H | 14.9 | 15.4 | 15.3 | 15.7 | 16.1 | 14.7 | 15.1 | 15.1 | 15.5 | 15.9 |
| | 8H | 15.2 | 15.6 | 15.7 | 16.0 | 16.5 | 15.0 | 15.4 | 15.4 | 15.8 | 16.2 |
| | 12H | 15.6 | 16.0 | 16.1 | 16.4 | 16.9 | 15.4 | 15.8 | 15.9 | 16.2 | 16.7 |
| 8H | 4H | 14.5 | 14.9 | 14.9 | 15.3 | 15.7 | 14.3 | 14.7 | 14.7 | 15.1 | 15.5 |
| | 6H | 15.2 | 15.5 | 15.7 | 16.0 | 16.4 | 15.0 | 15.3 | 15.5 | 15.8 | 16.2 |
| | 8H | 15.7 | 16.0 | 16.2 | 16.4 | 16.9 | 15.5 | 15.8 | 16.0 | 16.2 | 16.7 |
| | 12H | 16.3 | 16.5 | 16.8 | 17.0 | 17.6 | 16.1 | 16.3 | 16.6 | 16.8 | 17.4 |
| 12H | 4H | 14.5 | 14.9 | 15.0 | 15.3 | 15.7 | 14.3 | 14.7 | 14.7 | 15.1 | 15.5 |
| | 6H | 15.3 | 15.6 | 15.8 | 16.0 | 16.5 | 15.1 | 15.4 | 15.6 | 15.8 | 16.3 |
| | 8H | 15.8 | 16.1 | 16.3 | 16.6 | 17.1 | 15.6 | 15.9 | 16.1 | 16.4 | 16.9 |
| Variations with the observer position at spacings: | | | | | | | | | | | |
| S = 1.0H | + 0.7 / - 0.5 | | | | | + 0.7 / - 0.5 | | | | | |
| 1.5H | + 1.5 / - 0.4 | | | | | + 1.4 / - 0.4 | | | | | |
| 2.0H | + 0.2 / - 0.2 | | | | | + 0.2 / - 0.2 | | | | | |

CIE Pub.117 Corrected 2553 lm Total Lamp Luminous Flux.(8log(F/F0) = 3.3)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2016-09-09

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:6.590m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

| | | |
|---|--------|-------------------|
| Test:U:226.5V I:0.1270A P:27.80W PF:0.9620 Lamp Flux:2553.26x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |

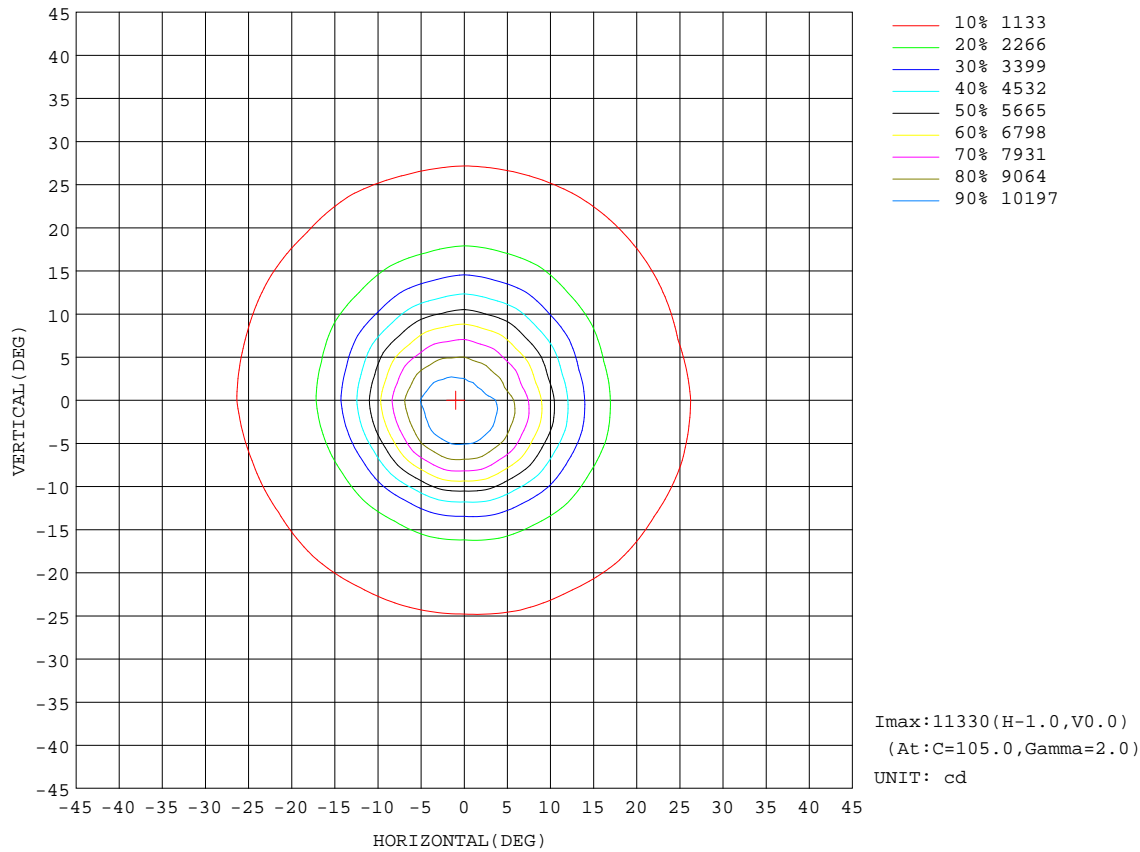
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|---|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0 |
| ROOM INDEX | UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$ | | | | | | | | | |
| $k = 0.60$ | 88 | 82 | 78 | 88 | 82 | 78 | 87 | 81 | 78 | 75 |
| 0.80 | 95 | 90 | 86 | 94 | 89 | 86 | 93 | 88 | 85 | 82 |
| 1.00 | 99 | 94 | 90 | 98 | 93 | 90 | 96 | 93 | 89 | 85 |
| 1.25 | 103 | 98 | 94 | 102 | 97 | 94 | 100 | 96 | 93 | 89 |
| 1.50 | 105 | 101 | 98 | 104 | 100 | 97 | 102 | 98 | 96 | 91 |
| 2.00 | 108 | 104 | 101 | 106 | 103 | 100 | 103 | 100 | 98 | 92 |
| 2.50 | 110 | 106 | 103 | 108 | 104 | 102 | 104 | 102 | 100 | 93 |
| 3.00 | 111 | 108 | 105 | 109 | 106 | 104 | 105 | 103 | 101 | 94 |
| 4.00 | 113 | 110 | 108 | 111 | 109 | 107 | 107 | 105 | 104 | 96 |
| 5.00 | 114 | 112 | 110 | 112 | 110 | 109 | 108 | 106 | 105 | 97 |
| 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:25.3DEG
Operators:ZhangXiao
Test Date:2016-09-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 γ Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:6.590m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

| | | |
|---|--------|-------------------|
| Test:U:226.5V I:0.1270A P:27.80W PF:0.9620 Lamp Flux:2553.26x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |

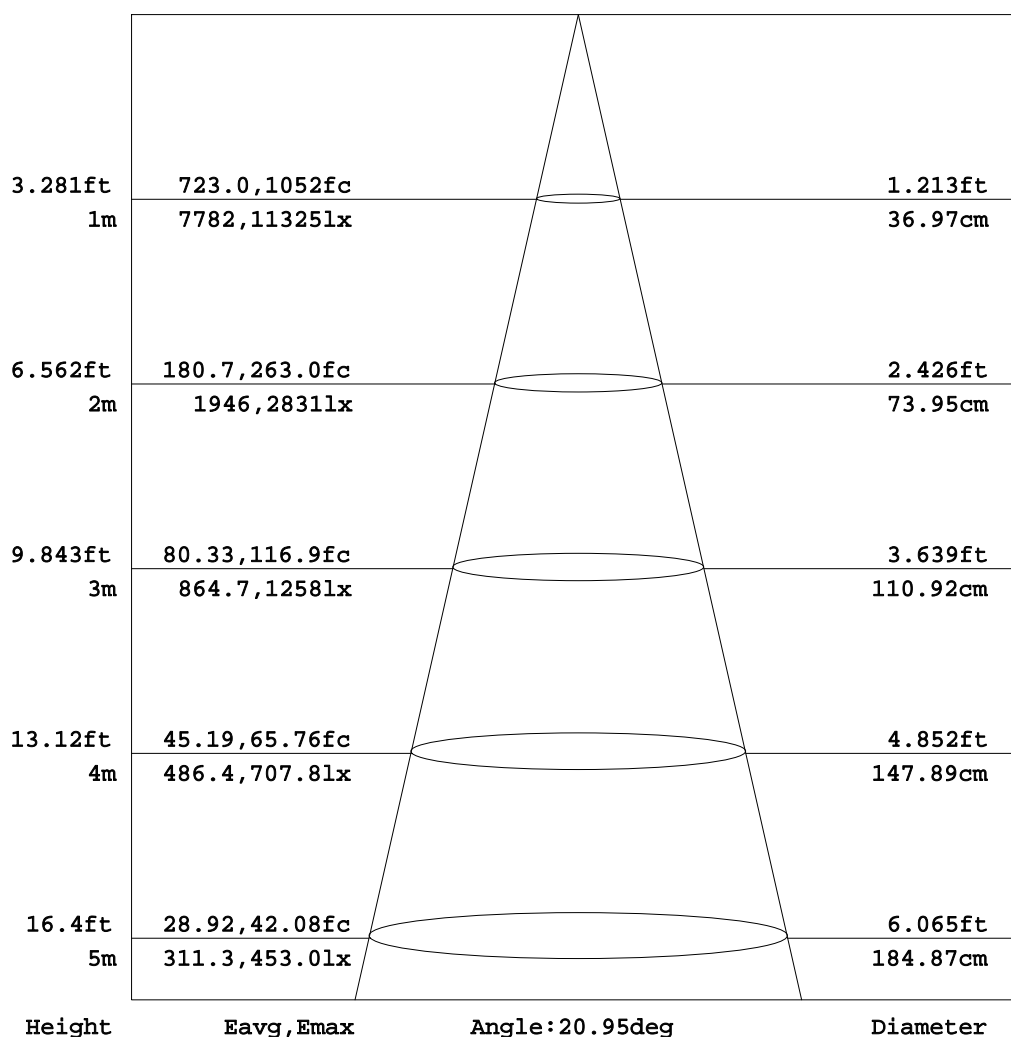


| | |
|----------------------|--|
| C Range: 0 - 360DEG | γ Range: 0 - 180DEG |
| C Interval: 15.0DEG | γ Interval: 1.0DEG |
| Test Speed: HIGH | Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265 |
| Temperature:25.3DEG | Humidity:65.0% |
| Operators:ZhangXiao | Test Distance:6.590m [K=1.0000] |
| Test Date:2016-09-09 | Remarks: |

AAI Figure

| | | |
|---|--------|-------------------|
| Test:U:226.5V I:0.1270A P:27.80W PF:0.9620 Lamp Flux:2553.26x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |

Flux out:923.8 lm



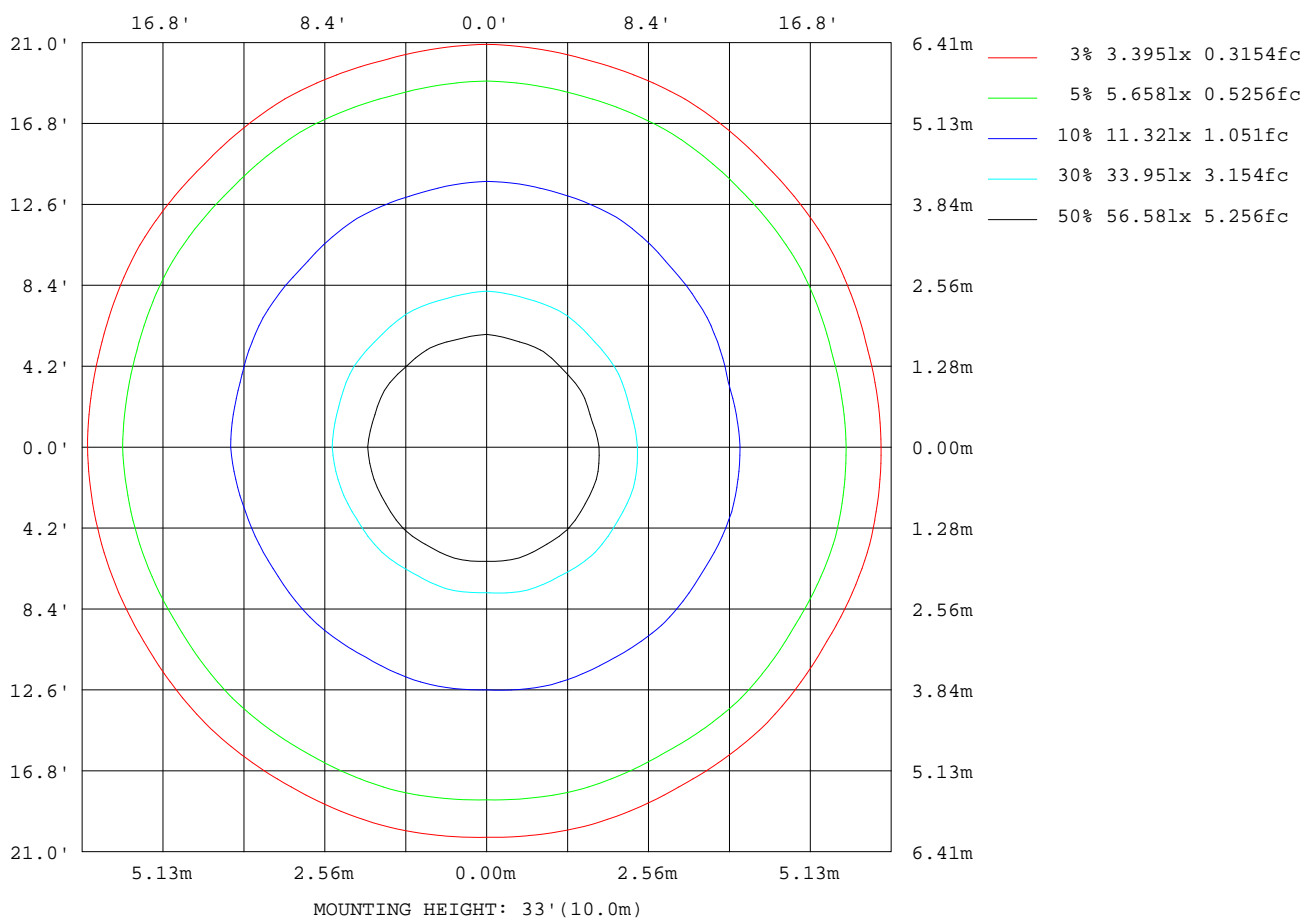
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2016-09-09

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:6.590m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

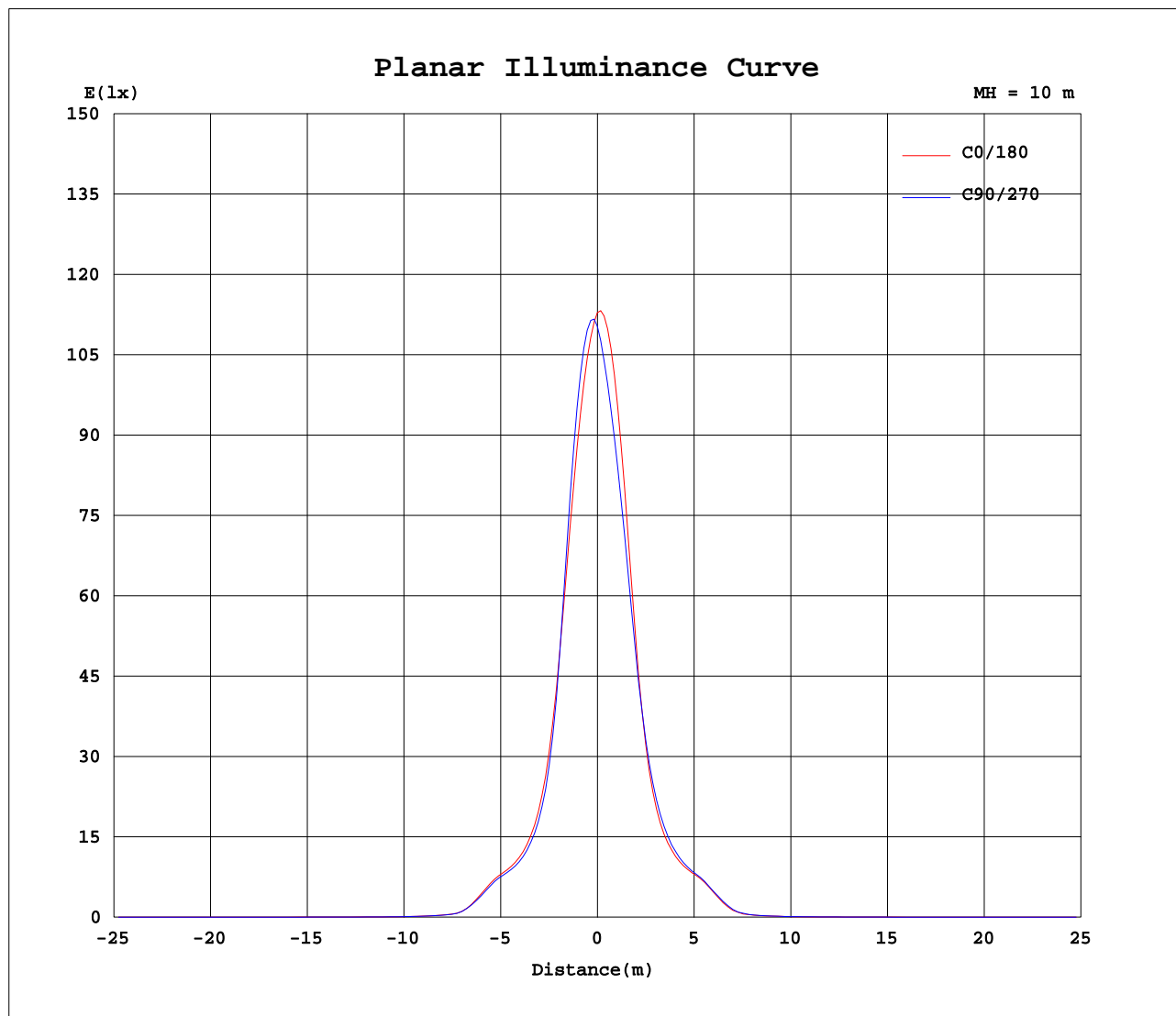
| | | |
|---|--------|-------------------|
| Test:U:226.5V I:0.1270A P:27.80W PF:0.9620 Lamp Flux:2553.26x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: ZhangXiao
Test Date: 2016-09-09

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity: 65.0%
Test Distance: 6.590m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: ZhangXiao
Test Date: 2016-09-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity: 65.0%
Test Distance: 6.590m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | | | | | | | | | | | | | | | | | | |
|---|--|--|--|--|--|--|--|--|--|--------|--|--|--|--|-------------------|--|--|--|--|
| Test:U:226.5V I:0.1270A P:27.80W PF:0.9620 Lamp Flux:2553.26x1 lm | | | | | | | | | | | | | | | | | | | |
| NAME: | | | | | | | | | | TYPE: | | | | | WEIGHT: | | | | |
| DIM.: | | | | | | | | | | SPEC.: | | | | | SERIAL No.: | | | | |
| MFR.: Rayconn | | | | | | | | | | SUR.: | | | | | PROTECTION ANGLE: | | | | |

Table--1

UNIT: ×10cd

| γ (DEG) \ C (DEG) | 0 | 15 | 30 | 45 | 60 | 75 | 90 | 105 | 120 | 135 | 150 | 165 | 180 | 195 | 210 | 225 | 240 | 255 | 270 |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 | 1106 |
| 5 | 931 | 955 | 968 | 994 | 1003 | 1026 | 1027 | 1043 | 1037 | 1044 | 1028 | 1025 | 1004 | 977 | 967 | 941 | 932 | 912 | 908 |
| 10 | 587 | 604 | 604 | 620 | 613 | 629 | 619 | 636 | 627 | 646 | 634 | 648 | 640 | 620 | 627 | 606 | 611 | 593 | 602 |
| 15 | 286 | 293 | 285 | 289 | 277 | 278 | 266 | 272 | 266 | 278 | 278 | 294 | 298 | 296 | 309 | 304 | 315 | 312 | 321 |
| 20 | 161 | 162 | 157 | 159 | 155 | 157 | 151 | 155 | 151 | 157 | 155 | 162 | 164 | 164 | 171 | 170 | 177 | 177 | 183 |
| 25 | 117 | 117 | 115 | 115 | 114 | 114 | 113 | 113 | 113 | 115 | 114 | 117 | 118 | 118 | 120 | 120 | 124 | 124 | 126 |
| 30 | 80.4 | 81.6 | 77.9 | 79.6 | 76.2 | 78.0 | 76.1 | 78.9 | 78.1 | 81.3 | 80.5 | 84.6 | 84.9 | 84.3 | 87.0 | 85.3 | 88.6 | 86.8 | 88.9 |
| 35 | 19.9 | 21.2 | 19.3 | 20.6 | 19.1 | 20.8 | 19.9 | 21.4 | 20.2 | 22.1 | 21.3 | 23.4 | 23.1 | 23.0 | 25.2 | 24.7 | 26.6 | 25.5 | 27.0 |
| 40 | 6.99 | 6.84 | 6.82 | 6.61 | 6.63 | 6.56 | 6.77 | 6.66 | 6.79 | 6.83 | 7.02 | 7.01 | 7.05 | 7.25 | 7.24 | 7.27 | 7.57 | 7.41 | 7.51 |
| 45 | 3.46 | 3.51 | 3.41 | 3.46 | 3.37 | 3.44 | 3.40 | 3.49 | 3.44 | 3.57 | 3.55 | 3.66 | 3.61 | 3.56 | 3.70 | 3.69 | 3.82 | 3.73 | 3.80 |
| 50 | 2.34 | 2.35 | 2.36 | 2.38 | 2.35 | 2.34 | 2.30 | 2.31 | 2.30 | 2.37 | 2.38 | 2.39 | 2.32 | 2.28 | 2.32 | 2.33 | 2.38 | 2.38 | 2.41 |
| 55 | 1.81 | 1.83 | 1.83 | 1.84 | 1.82 | 1.83 | 1.81 | 1.82 | 1.81 | 1.83 | 1.83 | 1.84 | 1.78 | 1.74 | 1.75 | 1.76 | 1.80 | 1.81 | 1.82 |
| 60 | 1.53 | 1.54 | 1.54 | 1.54 | 1.53 | 1.55 | 1.53 | 1.55 | 1.54 | 1.55 | 1.54 | 1.55 | 1.51 | 1.50 | 1.52 | 1.51 | 1.52 | 1.52 | 1.52 |
| 65 | 1.34 | 1.35 | 1.35 | 1.35 | 1.34 | 1.36 | 1.35 | 1.36 | 1.36 | 1.36 | 1.35 | 1.36 | 1.32 | 1.32 | 1.33 | 1.33 | 1.33 | 1.33 | 1.31 |
| 70 | 1.13 | 1.14 | 1.14 | 1.15 | 1.14 | 1.15 | 1.15 | 1.16 | 1.15 | 1.16 | 1.15 | 1.16 | 1.13 | 1.12 | 1.13 | 1.14 | 1.14 | 1.14 | 1.12 |
| 75 | 0.94 | 0.95 | 0.94 | 0.95 | 0.94 | 0.95 | 0.94 | 0.96 | 0.95 | 0.96 | 0.95 | 0.96 | 0.95 | 0.94 | 0.95 | 0.96 | 0.96 | 0.96 | 0.95 |
| 80 | 0.80 | 0.79 | 0.78 | 0.79 | 0.78 | 0.78 | 0.78 | 0.79 | 0.78 | 0.78 | 0.78 | 0.79 | 0.78 | 0.79 | 0.79 | 0.80 | 0.80 | 0.80 | 0.80 |
| 85 | 0.64 | 0.64 | 0.63 | 0.66 | 0.64 | 0.63 | 0.63 | 0.64 | 0.63 | 0.63 | 0.63 | 0.64 | 0.67 | 0.67 | 0.68 | 0.70 | 0.69 | 0.68 | 0.68 |
| 90 | 0.50 | 0.49 | 0.49 | 0.53 | 0.51 | 0.50 | 0.49 | 0.50 | 0.49 | 0.50 | 0.49 | 0.49 | 0.60 | 0.60 | 0.60 | 0.64 | 0.61 | 0.61 | 0.60 |
| 95 | 0.43 | 0.43 | 0.43 | 0.46 | 0.44 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.61 | 0.61 | 0.61 | 0.64 | 0.62 | 0.61 | 0.61 |
| 100 | 0.41 | 0.40 | 0.40 | 0.41 | 0.41 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.62 | 0.62 | 0.62 | 0.64 | 0.63 | 0.62 | 0.62 |
| 105 | 0.45 | 0.44 | 0.45 | 0.45 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.64 | 0.64 | 0.64 | 0.65 | 0.65 | 0.64 | 0.64 |
| 110 | 0.52 | 0.52 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.52 | 0.52 | 0.52 | 0.68 | 0.68 | 0.68 | 0.68 | 0.68 | 0.68 | 0.68 |
| 115 | 0.61 | 0.61 | 0.62 | 0.62 | 0.62 | 0.62 | 0.62 | 0.62 | 0.62 | 0.62 | 0.62 | 0.61 | 0.74 | 0.74 | 0.74 | 0.74 | 0.73 | 0.74 | 0.73 |
| 120 | 0.71 | 0.71 | 0.72 | 0.72 | 0.73 | 0.73 | 0.73 | 0.73 | 0.73 | 0.72 | 0.72 | 0.71 | 0.83 | 0.83 | 0.82 | 0.82 | 0.82 | 0.82 | 0.81 |
| 125 | 0.88 | 0.88 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.88 | 0.88 | 0.87 | 0.97 | 0.97 | 0.96 | 0.97 | 0.96 | 0.96 | 0.96 |
| 130 | 1.13 | 1.13 | 1.13 | 1.13 | 1.14 | 1.13 | 1.13 | 1.13 | 1.13 | 1.12 | 1.12 | 1.11 | 1.18 | 1.19 | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 |
| 135 | 1.42 | 1.42 | 1.42 | 1.42 | 1.43 | 1.42 | 1.42 | 1.42 | 1.42 | 1.41 | 1.41 | 1.40 | 1.45 | 1.45 | 1.44 | 1.45 | 1.44 | 1.45 | 1.44 |
| 140 | 1.68 | 1.68 | 1.68 | 1.68 | 1.69 | 1.69 | 1.69 | 1.69 | 1.68 | 1.68 | 1.68 | 1.67 | 1.70 | 1.69 | 1.69 | 1.69 | 1.68 | 1.69 | 1.68 |
| 145 | 1.88 | 1.87 | 1.87 | 1.87 | 1.88 | 1.89 | 1.87 | 1.88 | 1.87 | 1.88 | 1.87 | 1.86 | 1.88 | 1.88 | 1.88 | 1.88 | 1.87 | 1.88 | 1.87 |
| 150 | 1.99 | 1.99 | 1.99 | 1.99 | 1.99 | 2.00 | 1.99 | 2.00 | 1.99 | 1.99 | 1.99 | 1.99 | 2.01 | 2.01 | 2.01 | 2.00 | 2.00 | 2.00 | 2.00 |
| 155 | 2.06 | 2.06 | 2.06 | 2.06 | 2.06 | 2.07 | 2.06 | 2.07 | 2.06 | 2.07 | 2.06 | 2.06 | 2.08 | 2.08 | 2.08 | 2.08 | 2.08 | 2.08 | 2.08 |
| 160 | 2.10 | 2.11 | 2.11 | 2.11 | 2.11 | 2.11 | 2.11 | 2.11 | 2.11 | 2.12 | 2.11 | 2.12 | 2.12 | 2.12 | 2.12 | 2.12 | 2.12 | 2.13 | 2.12 |
| 165 | 2.13 | 2.14 | 2.13 | 2.14 | 2.13 | 2.14 | 2.13 | 2.14 | 2.14 | 2.15 | 2.14 | 2.15 | 2.15 | 2.14 | 2.15 | 2.15 | 2.15 | 2.16 | 2.16 |
| 170 | 2.10 | 2.11 | 2.10 | 2.11 | 2.10 | 2.11 | 2.11 | 2.12 | 2.11 | 2.12 | 2.12 | 2.13 | 2.13 | 2.12 | 2.13 | 2.13 | 2.13 | 2.14 | 2.14 |
| 175 | 2.02 | 2.03 | 2.03 | 2.04 | 2.04 | 2.05 | 2.05 | 2.06 | 2.05 | 2.06 | 2.05 | 2.05 | 2.06 | 2.05 | 2.06 | 2.06 | 2.06 | 2.06 | 2.05 |
| 180 | 2.03 | 2.04 | 2.03 | 2.04 | 2.04 | 2.05 | 2.04 | 2.04 | 2.03 | 2.04 | 2.03 | 2.04 | 2.04 | 2.03 | 2.04 | 2.04 | 2.04 | 2.04 | 2.04 |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2016-09-09

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:6.590m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|---|--------|-------------------|
| Test:U:226.5V I:0.1270A P:27.80W PF:0.9620 Lamp Flux:2553.26x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |

Table--2

UNIT: x10cd

| C(DEC) γ (DEC) | 285 | 300 | 315 | 330 | 345 | | | | | | | | | | | | | | |
|-------------------|------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 0 | 1106 | 1106 | 1106 | 1106 | 1106 | | | | | | | | | | | | | | |
| 5 | 897 | 901 | 898 | 911 | 915 | | | | | | | | | | | | | | |
| 10 | 589 | 596 | 582 | 589 | 578 | | | | | | | | | | | | | | |
| 15 | 314 | 316 | 301 | 300 | 288 | | | | | | | | | | | | | | |
| 20 | 180 | 180 | 172 | 169 | 162 | | | | | | | | | | | | | | |
| 25 | 126 | 125 | 123 | 121 | 118 | | | | | | | | | | | | | | |
| 30 | 87.1 | 87.6 | 84.9 | 85.1 | 81.7 | | | | | | | | | | | | | | |
| 35 | 25.3 | 25.3 | 22.9 | 22.9 | 20.7 | | | | | | | | | | | | | | |
| 40 | 7.30 | 7.48 | 7.54 | 7.27 | 7.18 | | | | | | | | | | | | | | |
| 45 | 3.71 | 3.80 | 3.72 | 3.76 | 3.57 | | | | | | | | | | | | | | |
| 50 | 2.42 | 2.45 | 2.45 | 2.43 | 2.37 | | | | | | | | | | | | | | |
| 55 | 1.82 | 1.84 | 1.85 | 1.83 | 1.81 | | | | | | | | | | | | | | |
| 60 | 1.50 | 1.52 | 1.53 | 1.52 | 1.51 | | | | | | | | | | | | | | |
| 65 | 1.30 | 1.31 | 1.33 | 1.32 | 1.31 | | | | | | | | | | | | | | |
| 70 | 1.12 | 1.12 | 1.13 | 1.13 | 1.12 | | | | | | | | | | | | | | |
| 75 | 0.95 | 0.96 | 0.96 | 0.96 | 0.94 | | | | | | | | | | | | | | |
| 80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | | | | | | | | | | | | | | |
| 85 | 0.68 | 0.68 | 0.68 | 0.68 | 0.68 | | | | | | | | | | | | | | |
| 90 | 0.61 | 0.60 | 0.60 | 0.60 | 0.60 | | | | | | | | | | | | | | |
| 95 | 0.61 | 0.61 | 0.61 | 0.61 | 0.61 | | | | | | | | | | | | | | |
| 100 | 0.62 | 0.62 | 0.62 | 0.62 | 0.62 | | | | | | | | | | | | | | |
| 105 | 0.65 | 0.64 | 0.65 | 0.64 | 0.65 | | | | | | | | | | | | | | |
| 110 | 0.68 | 0.68 | 0.68 | 0.68 | 0.69 | | | | | | | | | | | | | | |
| 115 | 0.74 | 0.73 | 0.74 | 0.74 | 0.74 | | | | | | | | | | | | | | |
| 120 | 0.82 | 0.81 | 0.82 | 0.82 | 0.83 | | | | | | | | | | | | | | |
| 125 | 0.96 | 0.96 | 0.97 | 0.96 | 0.98 | | | | | | | | | | | | | | |
| 130 | 1.19 | 1.18 | 1.19 | 1.19 | 1.20 | | | | | | | | | | | | | | |
| 135 | 1.46 | 1.45 | 1.46 | 1.45 | 1.47 | | | | | | | | | | | | | | |
| 140 | 1.70 | 1.69 | 1.70 | 1.70 | 1.71 | | | | | | | | | | | | | | |
| 145 | 1.89 | 1.87 | 1.89 | 1.88 | 1.91 | | | | | | | | | | | | | | |
| 150 | 2.01 | 2.00 | 2.01 | 2.01 | 2.02 | | | | | | | | | | | | | | |
| 155 | 2.08 | 2.08 | 2.09 | 2.08 | 2.09 | | | | | | | | | | | | | | |
| 160 | 2.13 | 2.12 | 2.13 | 2.13 | 2.13 | | | | | | | | | | | | | | |
| 165 | 2.16 | 2.16 | 2.16 | 2.16 | 2.16 | | | | | | | | | | | | | | |
| 170 | 2.14 | 2.14 | 2.14 | 2.14 | 2.14 | | | | | | | | | | | | | | |
| 175 | 2.06 | 2.05 | 2.06 | 2.06 | 2.06 | | | | | | | | | | | | | | |
| 180 | 2.04 | 2.04 | 2.04 | 2.03 | 2.04 | | | | | | | | | | | | | | |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2016-09-09

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
γ Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:6.590m [K=1.0000]
Remarks: