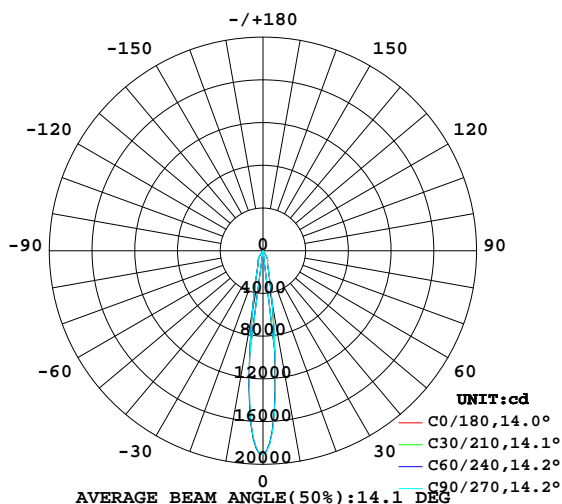


LUMINAIRE PHOTOMETRIC TEST REPORT

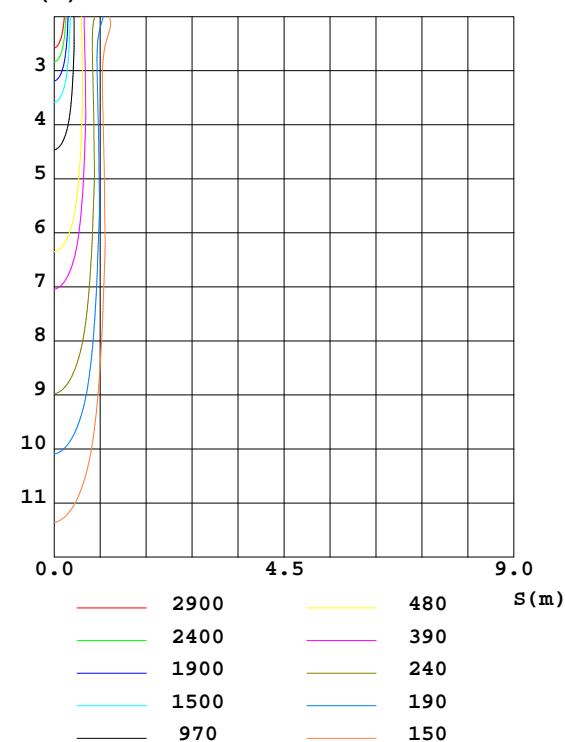
| | | |
|---|--------|-------------------|
| Test:U:226.6V I:0.1270A P:27.60W PF:0.9610 Lamp Flux:2454.41x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 88.93 lm/W | | | |
|------------------|-------------------|----------------------------------|--------|-------------------|----------|
| MODEL | TL32-30W-930-W-15 | Imax(cd) | 19096 | S/MH(C0/180) | 0.23 |
| NOMINAL POWER(W) | 28 | LOR(%) | 100.0 | S/MH(C90/270) | 0.24 |
| RATED VOLTAGE(V) | 226 | TOTAL FLUX(lm) | 2454.4 | η UP,DN(C0-180) | 1.2,47.5 |
| NOMINAL FLUX(lm) | 2454.41 | CIE CLASS | DIRECT | η UP,DN(C180-360) | 1.4,49.9 |
| LAMPS INSIDE | 1 | η up(%) | 2.6 | CIBSE SHR NOM | 0.00 |
| TEST VOLTAGE(V) | 226.6 | 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:2016-08-15

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 | 485.9 | 497.6 | 505.9 | 540.7 | 568.3 | 582.6 | 573.7 | 511.1 | 0- 10 | 1010 | 1010 | 41.2,41.2 |
| 20 | 127.1 | 129.2 | 127.1 | 133.2 | 137.1 | 135.6 | 137.2 | 129.5 | 10- 20 | 677.3 | 1688 | 68.8,68.8 |
| 30 | 71.51 | 72.87 | 72.32 | 79.46 | 82.68 | 81.90 | 81.72 | 74.47 | 20- 30 | 483.0 | 2171 | 88.4,88.4 |
| 40 | 4.011 | 4.288 | 4.463 | 4.753 | 4.898 | 4.710 | 4.711 | 4.313 | 30- 40 | 171.1 | 2342 | 95.4,95.4 |
| 50 | 0.9742 | 1.033 | 1.114 | 1.045 | 0.9315 | 1.018 | 1.063 | 0.9431 | 40- 50 | 15.57 | 2357 | 96,96 |
| 60 | 0.9500 | 0.9915 | 1.015 | 0.9764 | 0.9379 | 0.9118 | 0.9427 | 0.8987 | 50- 60 | 8.380 | 2366 | 96.4,96.4 |
| 70 | 0.8121 | 0.8276 | 0.8396 | 0.8341 | 0.8141 | 0.8009 | 0.8111 | 0.7932 | 60- 70 | 9.274 | 2375 | 96.8,96.8 |
| 80 | 0.6870 | 0.6899 | 0.7011 | 0.7013 | 0.6850 | 0.6889 | 0.7054 | 0.6888 | 70- 80 | 7.826 | 2383 | 97.1,97.1 |
| 90 | 0.4840 | 0.4826 | 0.4855 | 0.5360 | 0.5814 | 0.5843 | 0.5876 | 0.6029 | 80- 90 | 6.857 | 2390 | 97.4,97.4 |
| 100 | 0.3515 | 0.3514 | 0.3532 | 0.3678 | 0.5994 | 0.5997 | 0.6003 | 0.6106 | 90-100 | 5.451 | 2395 | 97.6,97.6 |
| 110 | 0.5153 | 0.5148 | 0.5160 | 0.5081 | 0.6563 | 0.6543 | 0.6552 | 0.6618 | 100-110 | 5.528 | 2401 | 97.8,97.8 |
| 120 | 0.6618 | 0.6613 | 0.6626 | 0.6519 | 0.7695 | 0.7668 | 0.7677 | 0.7803 | 110-120 | 6.407 | 2407 | 98.1,98.1 |
| 130 | 1.069 | 1.066 | 1.066 | 1.034 | 1.106 | 1.107 | 1.110 | 1.135 | 120-130 | 7.712 | 2415 | 98.4,98.4 |
| 140 | 1.691 | 1.686 | 1.683 | 1.667 | 1.682 | 1.680 | 1.681 | 1.704 | 130-140 | 10.79 | 2426 | 98.8,98.8 |
| 150 | 1.957 | 1.947 | 1.948 | 1.949 | 1.968 | 1.968 | 1.968 | 1.977 | 140-150 | 11.57 | 2437 | 99.3,99.3 |
| 160 | 2.065 | 2.067 | 2.068 | 2.064 | 2.075 | 2.073 | 2.077 | 2.080 | 150-160 | 9.340 | 2447 | 99.7,99.7 |
| 170 | 2.084 | 2.088 | 2.092 | 2.102 | 2.117 | 2.113 | 2.115 | 2.113 | 160-170 | 5.956 | 2452 | 99.9,99.9 |
| 180 | 1.903 | 1.920 | 1.927 | 1.929 | 1.910 | 1.916 | 1.929 | 1.928 | 170-180 | 1.944 | 2454 | 100,100 |
| DEG | LUMINOUS INTENSITY:×10cd | | | | | | | | | UNIT:lm | | |

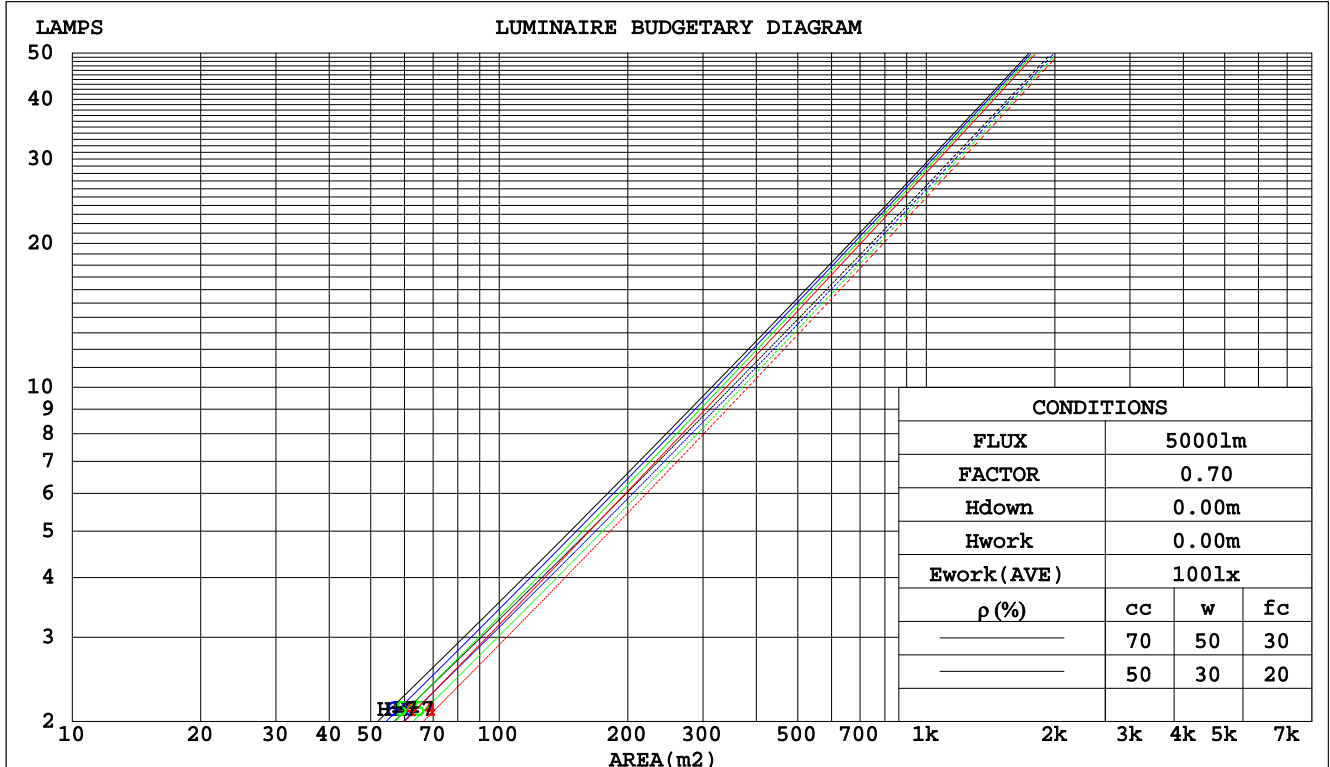
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2016-08-15

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:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|---|--------|-------------------|
| Test:U:226.6V I:0.1270A P:27.60W PF:0.9610 Lamp Flux:2454.4lx1 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 | 1.12 | 1.10 | 1.08 | 1.09 | 1.08 | 1.06 | 1.05 | 1.04 | 1.02 | 1.01 | .00 | .99 | .97 | .96 | .95 | .94 |
| 2.0 | 1.06 | 1.03 | 1.00 | 1.04 | 1.01 | .99 | 1.01 | .98 | .97 | .97 | .96 | .94 | .94 | .93 | .92 | .90 |
| 3.0 | 1.01 | .98 | .95 | .00 | .96 | .94 | .97 | .94 | .92 | .94 | .92 | .90 | .92 | .90 | .88 | .87 |
| 4.0 | .97 | .93 | .90 | .96 | .92 | .89 | .94 | .90 | .88 | .91 | .89 | .87 | .89 | .87 | .85 | .84 |
| 5.0 | .93 | .89 | .86 | .92 | .88 | .85 | .90 | .87 | .85 | .89 | .86 | .84 | .87 | .85 | .83 | .81 |
| 6.0 | .90 | .86 | .83 | .89 | .85 | .82 | .88 | .84 | .82 | .86 | .83 | .81 | .85 | .82 | .80 | .79 |
| 7.0 | .87 | .83 | .80 | .86 | .82 | .79 | .85 | .81 | .79 | .84 | .81 | .78 | .83 | .80 | .78 | .77 |
| 8.0 | .84 | .80 | .77 | .84 | .80 | .77 | .83 | .79 | .76 | .81 | .78 | .76 | .80 | .78 | .76 | .75 |
| 9.0 | .82 | .78 | .75 | .81 | .77 | .75 | .80 | .77 | .74 | .79 | .76 | .74 | .79 | .76 | .74 | .73 |
| 10.0 | .80 | .75 | .73 | .79 | .75 | .73 | .78 | .75 | .72 | .77 | .74 | .72 | .77 | .74 | .72 | .71 |



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2016-08-15

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:226.6V I:0.1270A P:27.60W PF:0.9610 Lamp Flux:2454.4lx1 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 | .146 | .083 | .026 | .138 | .079 | .025 | .124 | .071 | .023 | .112 | .064 | .021 | .100 | .058 | .019 | | |
| 2.0 | .134 | .074 | .023 | .128 | .071 | .022 | .117 | .065 | .020 | .106 | .059 | .019 | .096 | .054 | .017 | | |
| 3.0 | .125 | .066 | .020 | .120 | .064 | .019 | .110 | .059 | .018 | .101 | .055 | .017 | .092 | .051 | .016 | | |
| 4.0 | .117 | .061 | .018 | .112 | .059 | .017 | .104 | .055 | .016 | .096 | .051 | .016 | .088 | .048 | .015 | | |
| 5.0 | .109 | .056 | .016 | .106 | .054 | .016 | .098 | .051 | .015 | .091 | .048 | .014 | .085 | .045 | .014 | | |
| 6.0 | .103 | .052 | .015 | .100 | .050 | .015 | .093 | .048 | .014 | .088 | .045 | .013 | .082 | .043 | .013 | | |
| 7.0 | .098 | .048 | .014 | .095 | .047 | .013 | .089 | .045 | .013 | .084 | .043 | .013 | .079 | .041 | .012 | | |
| 8.0 | .093 | .045 | .013 | .090 | .044 | .013 | .085 | .043 | .012 | .081 | .041 | .012 | .076 | .039 | .011 | | |
| 9.0 | .089 | .043 | .012 | .086 | .042 | .012 | .082 | .040 | .011 | .077 | .039 | .011 | .074 | .037 | .011 | | |
| 10.0 | .085 | .041 | .011 | .082 | .040 | .011 | .078 | .038 | .011 | .075 | .037 | .011 | .071 | .036 | .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 | .211 | .211 | .211 | .180 | .180 | .180 | .123 | .123 | .123 | .071 | .071 | .071 | .023 | .023 | .023 | |
| 1.0 | .189 | .178 | .168 | .162 | .153 | .144 | .111 | .105 | .100 | .064 | .061 | .058 | .020 | .020 | .019 | |
| 2.0 | .172 | .153 | .137 | .147 | .132 | .119 | .101 | .091 | .083 | .058 | .053 | .049 | .019 | .017 | .016 | |
| 3.0 | .157 | .134 | .115 | .135 | .115 | .100 | .092 | .080 | .070 | .053 | .047 | .041 | .017 | .015 | .014 | |
| 4.0 | .145 | .119 | .099 | .124 | .102 | .086 | .085 | .071 | .060 | .049 | .042 | .036 | .016 | .014 | .012 | |
| 5.0 | .134 | .106 | .086 | .115 | .092 | .075 | .080 | .064 | .053 | .046 | .038 | .031 | .015 | .012 | .010 | |
| 6.0 | .126 | .097 | .076 | .108 | .084 | .066 | .074 | .059 | .047 | .043 | .034 | .028 | .014 | .011 | .009 | |
| 7.0 | .118 | .088 | .068 | .102 | .077 | .059 | .070 | .054 | .042 | .041 | .032 | .025 | .013 | .010 | .008 | |
| 8.0 | .112 | .082 | .061 | .096 | .071 | .053 | .066 | .050 | .038 | .039 | .029 | .023 | .013 | .010 | .007 | |
| 9.0 | .106 | .076 | .056 | .091 | .066 | .049 | .063 | .046 | .035 | .037 | .027 | .021 | .012 | .009 | .007 | |
| 10.0 | .101 | .071 | .052 | .087 | .062 | .045 | .060 | .044 | .032 | .035 | .026 | .019 | .011 | .008 | .006 | |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2016-08-15

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:226.6V I:0.1270A P:27.60W PF:0.9610 Lamp Flux:2454.4lx1 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 | | 12.6 | 13.3 | 12.8 | 13.5 | 13.6 | 12.5 | 13.1 | 12.7 | 13.3 | 13.5 |
| 3H | | 12.7 | 13.4 | 13.0 | 13.6 | 13.8 | 12.7 | 13.3 | 12.9 | 13.5 | 13.7 |
| 4H | | 12.9 | 13.5 | 13.2 | 13.8 | 14.0 | 12.8 | 13.4 | 13.1 | 13.7 | 13.9 |
| 6H | | 13.2 | 13.8 | 13.6 | 14.1 | 14.4 | 13.2 | 13.7 | 13.5 | 14.0 | 14.3 |
| 8H | | 13.5 | 14.0 | 13.8 | 14.3 | 14.6 | 13.4 | 14.0 | 13.8 | 14.3 | 14.6 |
| 12H | | 13.9 | 14.4 | 14.2 | 14.7 | 15.0 | 13.8 | 14.3 | 14.2 | 14.6 | 15.0 |
| 4H 2H | | 12.5 | 13.1 | 12.8 | 13.3 | 13.6 | 12.4 | 13.0 | 12.7 | 13.2 | 13.5 |
| 3H | | 12.7 | 13.3 | 13.1 | 13.6 | 13.9 | 12.7 | 13.2 | 13.0 | 13.5 | 13.8 |
| 4H | | 13.0 | 13.5 | 13.4 | 13.8 | 14.2 | 13.0 | 13.4 | 13.4 | 13.8 | 14.1 |
| 6H | | 13.6 | 14.0 | 14.0 | 14.4 | 14.8 | 13.5 | 14.0 | 14.0 | 14.3 | 14.7 |
| 8H | | 14.0 | 14.4 | 14.4 | 14.8 | 15.2 | 14.0 | 14.4 | 14.4 | 14.8 | 15.2 |
| 12H | | 14.6 | 14.9 | 15.0 | 15.3 | 15.8 | 14.5 | 14.9 | 15.0 | 15.3 | 15.8 |
| 8H 4H | | 13.1 | 13.5 | 13.6 | 13.9 | 14.3 | 13.1 | 13.5 | 13.5 | 13.9 | 14.3 |
| 6H | | 13.9 | 14.2 | 14.4 | 14.7 | 15.1 | 13.9 | 14.2 | 14.3 | 14.6 | 15.1 |
| 8H | | 14.5 | 14.8 | 15.0 | 15.2 | 15.7 | 14.5 | 14.8 | 15.0 | 15.2 | 15.7 |
| 12H | | 15.3 | 15.5 | 15.8 | 16.0 | 16.5 | 15.3 | 15.5 | 15.8 | 16.0 | 16.5 |
| 12H 4H | | 13.1 | 13.5 | 13.6 | 13.9 | 14.4 | 13.1 | 13.4 | 13.5 | 13.9 | 14.3 |
| 6H | | 14.0 | 14.3 | 14.5 | 14.7 | 15.2 | 14.0 | 14.3 | 14.5 | 14.7 | 15.2 |
| 8H | | 14.7 | 14.9 | 15.2 | 15.4 | 15.9 | 14.7 | 14.9 | 15.2 | 15.4 | 15.9 |
| Variations with the observer position at spacings: | | | | | | | | | | | |
| S = 1.0H | | + 0.7 / - 0.4 | | | | | + 0.7 / - 0.4 | | | | |
| 1.5H | | + 1.5 / - 0.4 | | | | | + 1.5 / - 0.4 | | | | |
| 2.0H | | + 0.3 / - 0.3 | | | | | + 0.3 / - 0.3 | | | | |

CIE Pub.117 Corrected 2454 lm Total Lamp Luminous Flux.(8log(F/F0) = 3.1)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2016-08-15

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:226.6V I:0.1270A P:27.60W PF:0.9610 Lamp Flux:2454.4lx1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |

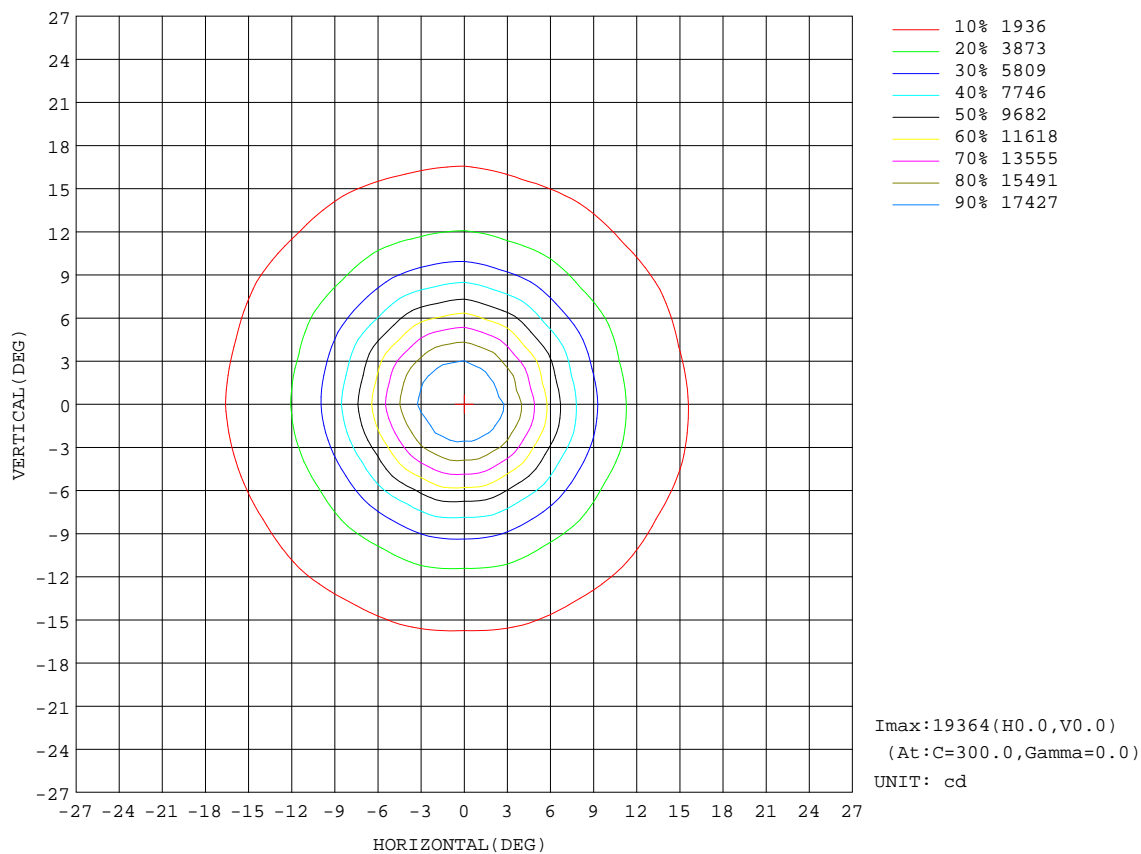
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|---|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0 |
| ROOM INDEX | UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$ | | | | | | | | | |
| $k = 0.60$ | 89 | 83 | 79 | 88 | 83 | 79 | 87 | 82 | 79 | 76 |
| 0.80 | 96 | 90 | 87 | 95 | 90 | 87 | 94 | 89 | 86 | 83 |
| 1.00 | 100 | 94 | 91 | 99 | 94 | 91 | 97 | 93 | 90 | 86 |
| 1.25 | 103 | 98 | 95 | 102 | 98 | 95 | 100 | 96 | 94 | 89 |
| 1.50 | 106 | 101 | 98 | 104 | 100 | 97 | 102 | 99 | 96 | 91 |
| 2.00 | 108 | 104 | 101 | 107 | 103 | 100 | 104 | 101 | 98 | 93 |
| 2.50 | 110 | 106 | 103 | 108 | 105 | 102 | 105 | 102 | 100 | 93 |
| 3.00 | 111 | 108 | 105 | 109 | 106 | 104 | 106 | 103 | 101 | 94 |
| 4.00 | 113 | 111 | 108 | 111 | 109 | 107 | 107 | 105 | 104 | 96 |
| 5.00 | 115 | 112 | 111 | 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:2016-08-15

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:226.6V I:0.1270A P:27.60W PF:0.9610 Lamp Flux:2454.4lx1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |



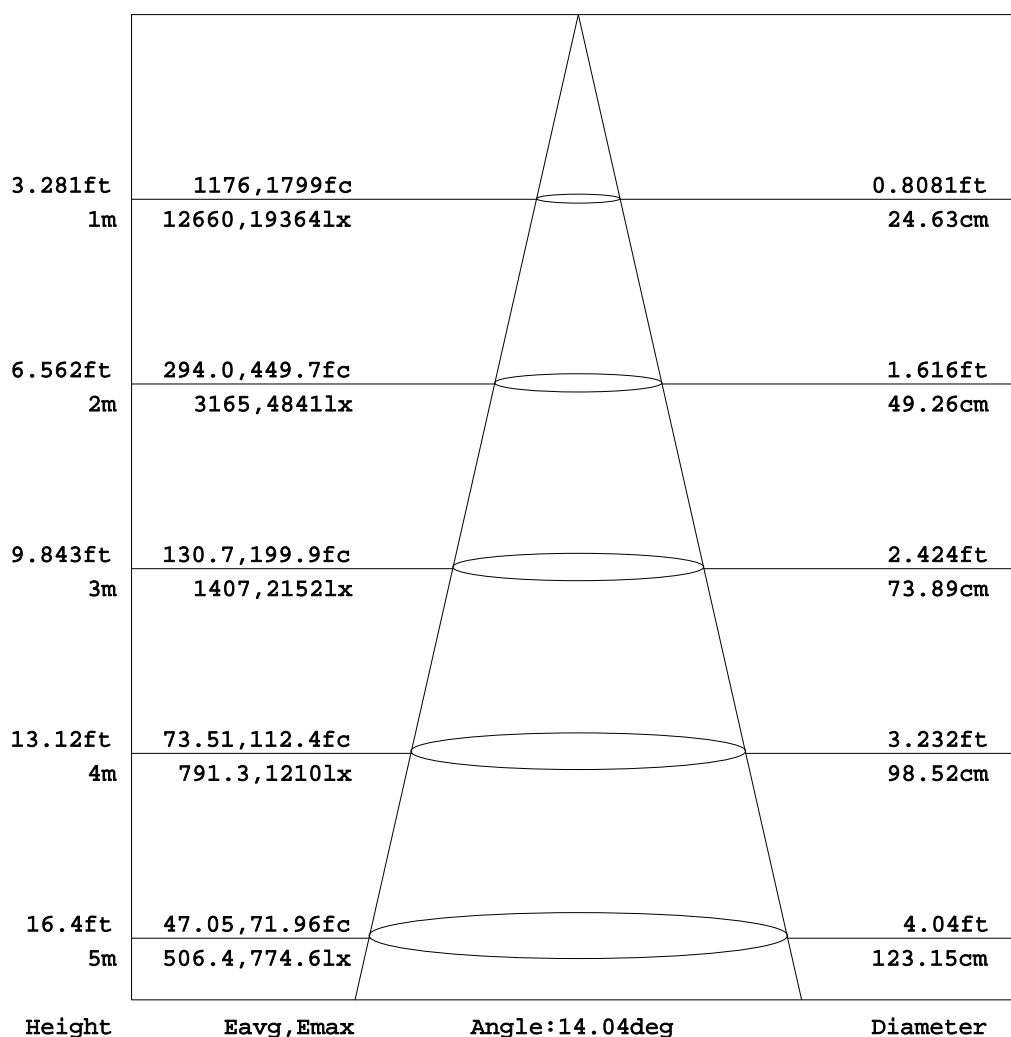
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2016-08-15

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:

AAI Figure

| | | |
|---|--------|-------------------|
| Test:U:226.6V I:0.1270A P:27.60W PF:0.9610 Lamp Flux:2454.4lx1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |

Flux out:785.6 lm



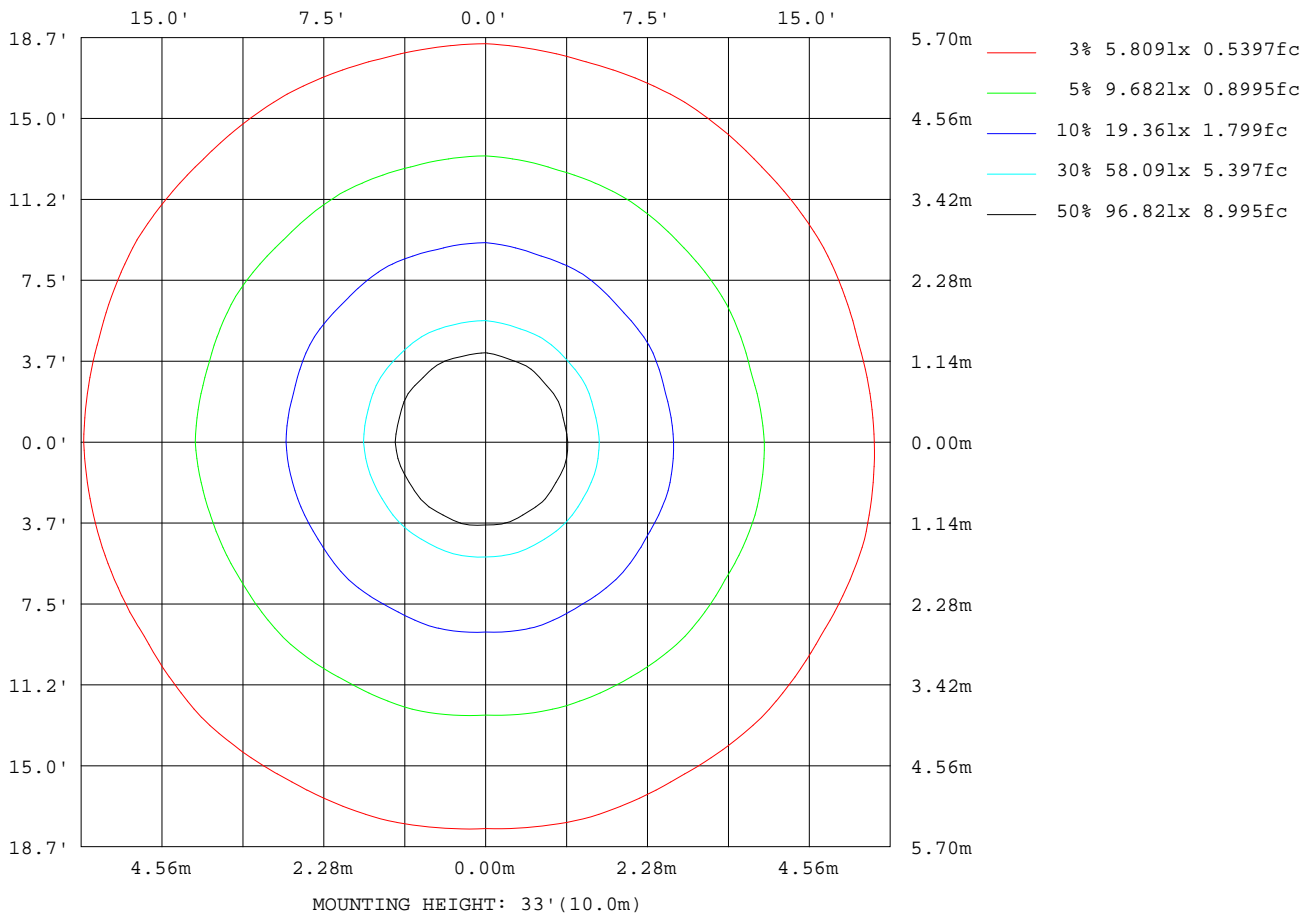
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2016-08-15

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

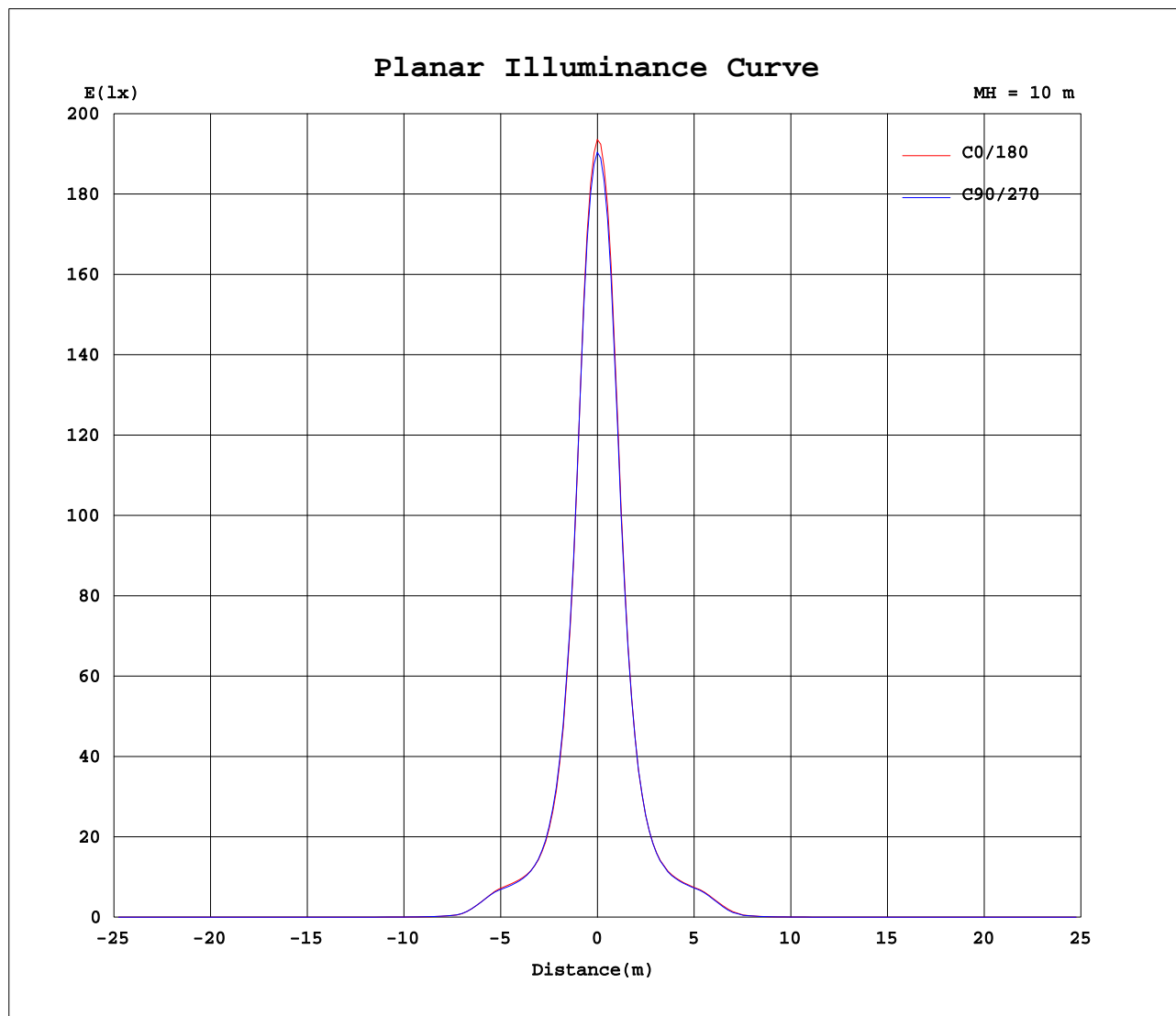
| | | |
|---|--------|-------------------|
| Test:U:226.6V I:0.1270A P:27.60W PF:0.9610 Lamp Flux:2454.4lx1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: ZhangXiao
Test Date: 2016-08-15

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: 2016-08-15

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:226.6V I:0.1270A P:27.60W PF:0.9610 Lamp Flux:2454.4lx1 lm | | | | | | | | | | | | | | | | | | | |
| NAME: | | | | | | | | | | TYPE: | | | | | WEIGHT: | | | | |
| DIM.: | | | | | | | | | | SPEC.: | | | | | SERIAL No.: | | | | |
| MFR.: Rayconn | | | | | | | | | | SUR.: | | | | | PROTECTION ANGLE: | | | | |

Table--1

UNIT: ×10cd

| C(DEG) γ (DEG) | 0 | 15 | 30 | 45 | 60 | 75 | 90 | 105 | 120 | 135 | 150 | 165 | 180 | 195 | 210 | 225 | 240 | 255 | 270 |
|-------------------|------|--------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0 | 1910 | 1910 | 1910 | 1910 | 1910 | 1910 | 1910 | 1910 | 1910 | 1910 | 1910 | 1910 | 1910 | 1910 | 1910 | 1910 | 1910 | 1910 | 1910 |
| 5 | 1315 | 1321 | 1300 | 1320 | 1308 | 1337 | 1333 | 1362 | 1365 | 1393 | 1401 | 1423 | 1429 | 1430 | 1450 | 1440 | 1447 | 1425 | 1425 |
| 10 | 486 | 493 | 479 | 498 | 492 | 513 | 506 | 526 | 517 | 541 | 535 | 560 | 568 | 572 | 587 | 583 | 590 | 576 | 574 |
| 15 | 205 | 209 | 204 | 212 | 210 | 218 | 214 | 220 | 217 | 226 | 224 | 233 | 236 | 232 | 243 | 237 | 245 | 237 | 240 |
| 20 | 127 | 128 | 127 | 129 | 128 | 129 | 127 | 130 | 130 | 133 | 133 | 136 | 137 | 136 | 138 | 136 | 138 | 136 | 137 |
| 25 | 105 | 105 | 104 | 104 | 103 | 103 | 102 | 103 | 104 | 106 | 106 | 108 | 108 | 107 | 108 | 107 | 108 | 107 | 107 |
| 30 | 71.5 | 73.2 | 70.3 | 72.9 | 70.8 | 73.8 | 72.3 | 76.5 | 76.0 | 79.5 | 77.3 | 81.3 | 82.7 | 82.0 | 84.4 | 81.9 | 83.1 | 80.7 | 81.7 |
| 35 | 16.3 | 18.8 | 15.6 | 18.2 | 15.5 | 18.4 | 16.9 | 19.9 | 19.6 | 22.1 | 21.7 | 24.5 | 25.3 | 24.4 | 25.9 | 23.6 | 23.8 | 21.1 | 21.9 |
| 40 | 4.01 | 4.17 | 4.13 | 4.29 | 4.18 | 4.37 | 4.46 | 4.80 | 4.62 | 4.75 | 4.73 | 4.97 | 4.90 | 4.78 | 4.96 | 4.71 | 4.80 | 4.57 | 4.71 |
| 45 | 1.47 | 1.56 | 1.53 | 1.59 | 1.62 | 1.73 | 1.74 | 1.80 | 1.73 | 1.75 | 1.68 | 1.74 | 1.70 | 1.69 | 1.74 | 1.71 | 1.80 | 1.76 | 1.75 |
| 50 | 0.97 | 0.9989 | 1.02 | 1.03 | 1.07 | 1.11 | 1.11 | 1.09 | 1.05 | 1.04 | 1.00 | 0.99 | 0.93 | 0.95 | 1.00 | 1.02 | 1.03 | 1.06 | 1.06 |
| 55 | 0.91 | 0.92 | 0.94 | 0.95 | 0.98 | 0.99 | 0.98 | 0.96 | 0.94 | 0.93 | 0.90 | 0.89 | 0.85 | 0.83 | 0.86 | 0.89 | 0.90 | 0.93 | 0.95 |
| 60 | 0.95 | 0.96 | 0.97 | 0.99 | 1.02 | 1.02 | 1.01 | 1.00 | 0.99 | 0.98 | 0.96 | 0.95 | 0.94 | 0.88 | 0.88 | 0.91 | 0.92 | 0.95 | 0.94 |
| 65 | 0.97 | 0.97 | 0.98 | 1.00 | 1.01 | 1.01 | 1.02 | 1.02 | 1.01 | 1.00 | 1.00 | 1.00 | 0.97 | 0.95 | 0.94 | 0.94 | 0.93 | 0.93 | 0.93 |
| 70 | 0.81 | 0.82 | 0.81 | 0.83 | 0.84 | 0.84 | 0.84 | 0.85 | 0.84 | 0.83 | 0.83 | 0.84 | 0.81 | 0.80 | 0.80 | 0.80 | 0.81 | 0.82 | 0.81 |
| 75 | 0.73 | 0.73 | 0.73 | 0.74 | 0.75 | 0.75 | 0.75 | 0.74 | 0.74 | 0.74 | 0.74 | 0.74 | 0.72 | 0.72 | 0.72 | 0.73 | 0.73 | 0.75 | 0.74 |
| 80 | 0.69 | 0.69 | 0.68 | 0.69 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.68 | 0.69 | 0.69 | 0.69 | 0.69 | 0.71 | 0.71 |
| 85 | 0.61 | 0.61 | 0.61 | 0.61 | 0.62 | 0.62 | 0.62 | 0.63 | 0.63 | 0.65 | 0.64 | 0.64 | 0.65 | 0.65 | 0.65 | 0.65 | 0.65 | 0.66 | 0.66 |
| 90 | 0.48 | 0.49 | 0.48 | 0.48 | 0.48 | 0.48 | 0.49 | 0.49 | 0.49 | 0.54 | 0.50 | 0.50 | 0.58 | 0.58 | 0.58 | 0.58 | 0.59 | 0.59 | 0.59 |
| 95 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.40 | 0.43 | 0.41 | 0.40 | 0.59 | 0.59 | 0.59 | 0.59 | 0.59 | 0.60 | 0.59 |
| 100 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.37 | 0.35 | 0.35 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 |
| 105 | 0.42 | 0.41 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.41 | 0.41 | 0.41 | 0.41 | 0.40 | 0.62 | 0.62 | 0.62 | 0.62 | 0.62 | 0.63 | 0.62 |
| 110 | 0.52 | 0.51 | 0.52 | 0.51 | 0.52 | 0.51 | 0.52 | 0.51 | 0.51 | 0.51 | 0.51 | 0.50 | 0.66 | 0.66 | 0.65 | 0.65 | 0.65 | 0.66 | 0.66 |
| 115 | 0.59 | 0.59 | 0.59 | 0.59 | 0.59 | 0.59 | 0.59 | 0.59 | 0.59 | 0.58 | 0.58 | 0.58 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 |
| 120 | 0.66 | 0.66 | 0.67 | 0.66 | 0.66 | 0.66 | 0.66 | 0.66 | 0.66 | 0.65 | 0.65 | 0.65 | 0.77 | 0.77 | 0.76 | 0.77 | 0.77 | 0.77 | 0.77 |
| 125 | 0.80 | 0.80 | 0.81 | 0.80 | 0.81 | 0.80 | 0.80 | 0.79 | 0.79 | 0.78 | 0.78 | 0.77 | 0.89 | 0.89 | 0.88 | 0.89 | 0.88 | 0.89 | 0.89 |
| 130 | 1.07 | 1.06 | 1.08 | 1.07 | 1.08 | 1.06 | 1.07 | 1.05 | 1.05 | 1.03 | 1.04 | 1.02 | 1.11 | 1.11 | 1.10 | 1.11 | 1.10 | 1.11 | 1.11 |
| 135 | 1.42 | 1.41 | 1.42 | 1.41 | 1.42 | 1.41 | 1.41 | 1.39 | 1.40 | 1.38 | 1.39 | 1.37 | 1.41 | 1.41 | 1.41 | 1.41 | 1.40 | 1.42 | 1.41 |
| 140 | 1.69 | 1.69 | 1.69 | 1.69 | 1.69 | 1.69 | 1.68 | 1.67 | 1.67 | 1.67 | 1.67 | 1.65 | 1.68 | 1.68 | 1.68 | 1.68 | 1.67 | 1.68 | 1.68 |
| 145 | 1.88 | 1.85 | 1.85 | 1.85 | 1.87 | 1.89 | 1.85 | 1.84 | 1.84 | 1.86 | 1.86 | 1.83 | 1.86 | 1.86 | 1.89 | 1.87 | 1.85 | 1.86 | 1.86 |
| 150 | 1.96 | 1.95 | 1.95 | 1.95 | 1.96 | 1.98 | 1.95 | 1.94 | 1.94 | 1.95 | 1.95 | 1.93 | 1.97 | 1.97 | 1.97 | 1.97 | 1.96 | 1.97 | 1.97 |
| 155 | 2.02 | 2.01 | 2.01 | 2.01 | 2.02 | 2.02 | 2.02 | 2.01 | 2.01 | 2.01 | 2.01 | 2.01 | 2.03 | 2.03 | 2.03 | 2.03 | 2.03 | 2.03 | 2.03 |
| 160 | 2.06 | 2.07 | 2.07 | 2.07 | 2.07 | 2.07 | 2.07 | 2.06 | 2.07 | 2.06 | 2.06 | 2.06 | 2.08 | 2.07 | 2.07 | 2.07 | 2.07 | 2.07 | 2.08 |
| 165 | 2.11 | 2.11 | 2.11 | 2.11 | 2.11 | 2.11 | 2.11 | 2.11 | 2.11 | 2.11 | 2.11 | 2.11 | 2.12 | 2.11 | 2.11 | 2.11 | 2.11 | 2.11 | 2.11 |
| 170 | 2.08 | 2.09 | 2.08 | 2.09 | 2.09 | 2.09 | 2.09 | 2.10 | 2.10 | 2.10 | 2.10 | 2.10 | 2.12 | 2.11 | 2.12 | 2.11 | 2.12 | 2.11 | 2.11 |
| 175 | 1.95 | 1.96 | 1.96 | 1.96 | 1.96 | 1.97 | 1.97 | 1.98 | 1.98 | 1.99 | 1.99 | 1.99 | 2.02 | 2.01 | 2.02 | 2.02 | 2.02 | 2.02 | 2.02 |
| 180 | 1.90 | 1.91 | 1.91 | 1.92 | 1.92 | 1.93 | 1.93 | 1.93 | 1.93 | 1.93 | 1.93 | 1.92 | 1.91 | 1.91 | 1.92 | 1.92 | 1.92 | 1.92 | 1.93 |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2016-08-15

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:226.6V I:0.1270A P:27.60W PF:0.9610 Lamp Flux:2454.4lx1 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 | 1910 | 1910 | 1910 | 1910 | 1910 | | | | | | | | | | | | | | |
| 5 | 1389 | 1386 | 1345 | 1350 | 1310 | | | | | | | | | | | | | | |
| 10 | 540 | 545 | 511 | 518 | 489 | | | | | | | | | | | | | | |
| 15 | 226 | 226 | 214 | 216 | 206 | | | | | | | | | | | | | | |
| 20 | 133 | 133 | 130 | 130 | 128 | | | | | | | | | | | | | | |
| 25 | 106 | 106 | 106 | 105 | 104 | | | | | | | | | | | | | | |
| 30 | 77.9 | 78.2 | 74.5 | 74.6 | 71.2 | | | | | | | | | | | | | | |
| 35 | 20.0 | 20.4 | 17.8 | 19.7 | 16.4 | | | | | | | | | | | | | | |
| 40 | 4.57 | 4.64 | 4.31 | 4.34 | 4.07 | | | | | | | | | | | | | | |
| 45 | 1.64 | 1.65 | 1.54 | 1.54 | 1.44 | | | | | | | | | | | | | | |
| 50 | 1.03 | 0.97 | 0.94 | 0.93 | 0.93 | | | | | | | | | | | | | | |
| 55 | 0.94 | 0.90 | 0.85 | 0.84 | 0.85 | | | | | | | | | | | | | | |
| 60 | 0.92 | 0.92 | 0.90 | 0.90 | 0.91 | | | | | | | | | | | | | | |
| 65 | 0.92 | 0.93 | 0.93 | 0.93 | 0.93 | | | | | | | | | | | | | | |
| 70 | 0.80 | 0.80 | 0.79 | 0.79 | 0.79 | | | | | | | | | | | | | | |
| 75 | 0.74 | 0.73 | 0.73 | 0.72 | 0.72 | | | | | | | | | | | | | | |
| 80 | 0.70 | 0.69 | 0.69 | 0.68 | 0.68 | | | | | | | | | | | | | | |
| 85 | 0.65 | 0.65 | 0.65 | 0.64 | 0.63 | | | | | | | | | | | | | | |
| 90 | 0.59 | 0.59 | 0.60 | 0.60 | 0.58 | | | | | | | | | | | | | | |
| 95 | 0.59 | 0.59 | 0.61 | 0.61 | 0.59 | | | | | | | | | | | | | | |
| 100 | 0.60 | 0.60 | 0.61 | 0.61 | 0.60 | | | | | | | | | | | | | | |
| 105 | 0.62 | 0.62 | 0.63 | 0.62 | 0.63 | | | | | | | | | | | | | | |
| 110 | 0.66 | 0.66 | 0.66 | 0.66 | 0.66 | | | | | | | | | | | | | | |
| 115 | 0.70 | 0.70 | 0.71 | 0.71 | 0.71 | | | | | | | | | | | | | | |
| 120 | 0.77 | 0.77 | 0.78 | 0.78 | 0.78 | | | | | | | | | | | | | | |
| 125 | 0.90 | 0.90 | 0.91 | 0.90 | 0.91 | | | | | | | | | | | | | | |
| 130 | 1.12 | 1.12 | 1.14 | 1.13 | 1.15 | | | | | | | | | | | | | | |
| 135 | 1.43 | 1.43 | 1.44 | 1.44 | 1.46 | | | | | | | | | | | | | | |
| 140 | 1.69 | 1.69 | 1.70 | 1.70 | 1.72 | | | | | | | | | | | | | | |
| 145 | 1.88 | 1.87 | 1.87 | 1.87 | 1.88 | | | | | | | | | | | | | | |
| 150 | 1.97 | 1.97 | 1.98 | 1.98 | 1.98 | | | | | | | | | | | | | | |
| 155 | 2.04 | 2.04 | 2.04 | 2.04 | 2.04 | | | | | | | | | | | | | | |
| 160 | 2.08 | 2.08 | 2.08 | 2.08 | 2.08 | | | | | | | | | | | | | | |
| 165 | 2.11 | 2.12 | 2.12 | 2.12 | 2.12 | | | | | | | | | | | | | | |
| 170 | 2.11 | 2.11 | 2.11 | 2.11 | 2.11 | | | | | | | | | | | | | | |
| 175 | 2.02 | 2.02 | 2.01 | 2.01 | 2.01 | | | | | | | | | | | | | | |
| 180 | 1.93 | 1.93 | 1.93 | 1.93 | 1.92 | | | | | | | | | | | | | | |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2016-08-15

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: