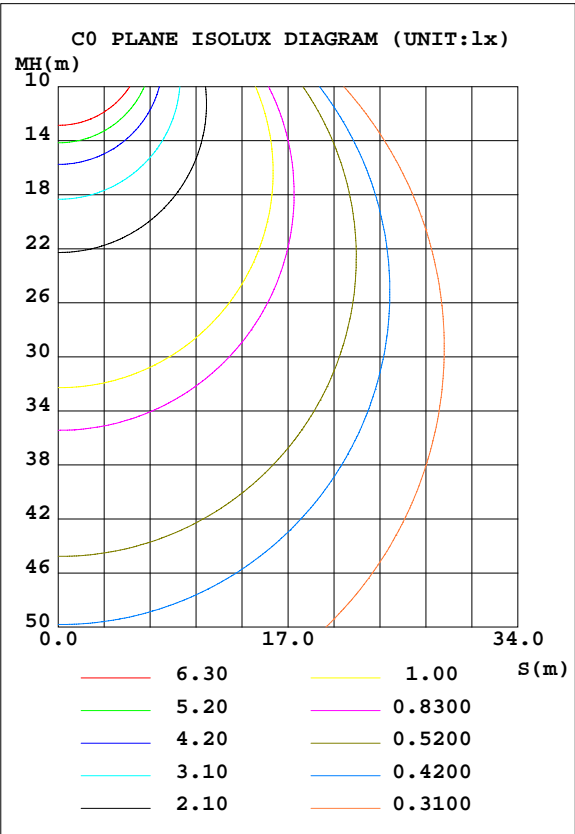
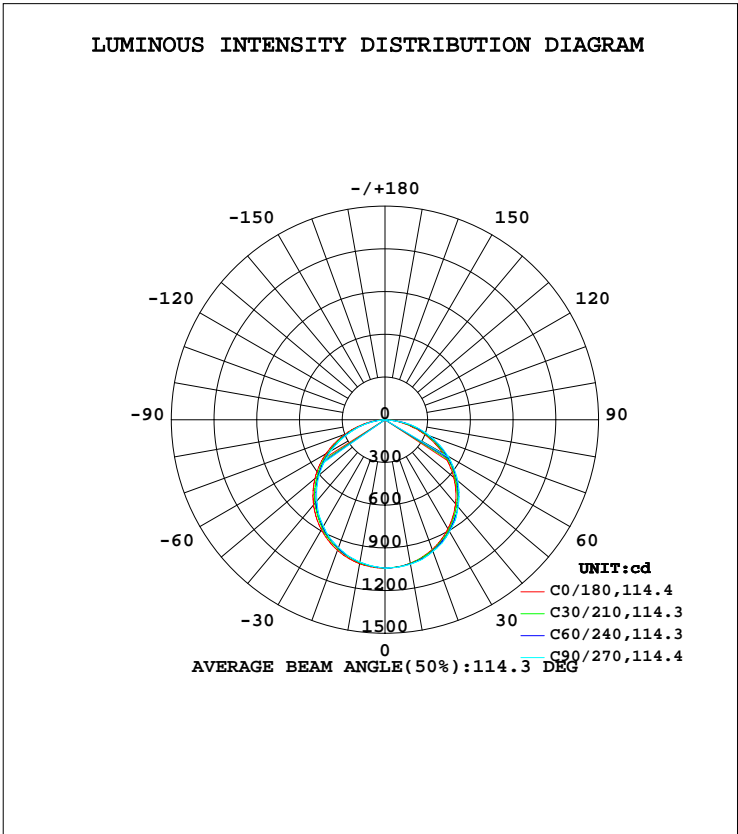


LUMINAIRE PHOTOMETRIC TEST REPORT

| | | |
|---|----------------|---------------------------|
| Test:U:219.9V I:0.1351A P:33.52W PF:0.9778 Lamp Flux:3024.27x1 lm | | |
| NAME: 35W | TYPE:LED | WEIGHT: |
| SPEC.: | DIM.: 600*600 | SERIAL No.:BLD20151007P14 |
| MFR.: | SUR.:0.55*0.55 | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 90.22 lm/W | | | |
|------------------|-------------|----------------------------------|--------|--------------------|----------|
| MODEL | JH-PL35W-01 | Imax(cd) | 1042 | S/MH(C0/180) | 1.26 |
| NOMINAL POWER(W) | 35W | LOR(%) | 100.0 | S/MH(C90/270) | 1.30 |
| RATED VOLTAGE(V) | 220 | TOTAL FLUX(lm) | 3024.3 | η UP, DN(C0-180) | 0.0,48.2 |
| NOMINAL FLUX(lm) | 3024.27 | CIE CLASS | DIRECT | η UP, DN(C180-360) | 0.0,51.8 |
| LAMPS INSIDE | 1 | η up(%) | 0.0 | CIBSE SHR NOM | 1.25 |
| TEST VOLTAGE(V) | 219.5 | η down(%) | 100.0 | CIBSE SHR MAX | 1.35 |



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Neiko
 Test Date:2015-10-07

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.350
 Humidity:65.0%
 Test Distance:12.123m [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 |
|----------|-----------------------|-------|-------|-------|-------|-------|-------|-------|----------|-------------|--------------|-----------|
| 5 | 1038 | 1033 | 1032 | 1032 | 1037 | 1037 | 1039 | 1038 | 0- 5 | 24.82 | 24.82 | 0.82,0.82 |
| 10 | 1026 | 1017 | 1015 | 1015 | 1023 | 1026 | 1030 | 1028 | 5- 10 | 73.60 | 98.43 | 3.25,3.25 |
| 15 | 1005 | 994.4 | 991.8 | 991.0 | 1001 | 1007 | 1015 | 1010 | 10- 15 | 120.0 | 218.4 | 7.22,7.22 |
| 20 | 975.6 | 964.0 | 954.4 | 959.8 | 970.1 | 981.1 | 984.3 | 984.8 | 15- 20 | 162.5 | 380.9 | 12.6,12.6 |
| 25 | 938.1 | 921.2 | 917.1 | 916.3 | 931.5 | 942.1 | 953.9 | 947.1 | 20- 25 | 199.6 | 580.5 | 19.2,19.2 |
| 30 | 892.5 | 874.2 | 864.6 | 868.1 | 884.9 | 898.4 | 907.7 | 904.6 | 25- 30 | 230.3 | 810.8 | 26.8,26.8 |
| 35 | 840.0 | 821.0 | 812.1 | 813.7 | 831.3 | 848.3 | 861.5 | 855.5 | 30- 35 | 253.4 | 1064 | 35.2,35.2 |
| 40 | 780.4 | 757.5 | 744.7 | 750.0 | 771.1 | 788.6 | 799.3 | 796.1 | 35- 40 | 268.3 | 1333 | 44.1,44.1 |
| 45 | 714.5 | 692.0 | 677.3 | 684.4 | 703.6 | 726.9 | 737.0 | 734.2 | 40- 45 | 274.1 | 1607 | 53.1,53.1 |
| 50 | 641.7 | 614.4 | 602.9 | 605.9 | 630.8 | 651.4 | 667.1 | 659.9 | 45- 50 | 271.0 | 1878 | 62.1,62.1 |
| 55 | 563.4 | 536.6 | 521.5 | 527.3 | 551.8 | 575.4 | 589.6 | 584.6 | 50- 55 | 258.9 | 2137 | 70.6,70.6 |
| 60 | 478.8 | 452.6 | 440.0 | 443.2 | 468.2 | 493.3 | 512.0 | 502.7 | 55- 60 | 237.8 | 2374 | 78.5,78.5 |
| 65 | 390.3 | 364.1 | 351.0 | 355.8 | 380.9 | 407.2 | 424.1 | 415.6 | 60- 65 | 208.9 | 2583 | 85.4,85.4 |
| 70 | 299.7 | 275.3 | 262.0 | 268.1 | 291.4 | 319.7 | 336.2 | 326.8 | 65- 70 | 172.9 | 2756 | 91.1,91.1 |
| 75 | 210.0 | 186.4 | 180.8 | 179.9 | 202.2 | 230.3 | 249.4 | 236.4 | 70- 75 | 132.2 | 2888 | 95.5,95.5 |
| 80 | 126.0 | 107.4 | 99.61 | 102.0 | 118.7 | 146.8 | 162.6 | 152.0 | 75- 80 | 89.55 | 2978 | 98.5,98.5 |
| 85 | 38.89 | 25.78 | 0 | 23.83 | 29.69 | 40.72 | 0 | 42.69 | 80- 85 | 42.40 | 3020 | 99.9,99.9 |
| 90 | 0.6162 | 0 | 0 | 0 | 1.071 | 0 | 0 | 0 | 85- 90 | 3.898 | 3024 | 100,100 |
| 95 | | | | | | | | | 90- 95 | | | |
| 100 | | | | | | | | | 95-100 | | | |
| 105 | | | | | | | | | 100-105 | | | |
| 110 | | | | | | | | | 105-110 | | | |
| 115 | | | | | | | | | 110-115 | | | |
| 120 | | | | | | | | | 115-120 | | | |
| 125 | | | | | | | | | 120-125 | | | |
| 130 | | | | | | | | | 125-130 | | | |
| 135 | | | | | | | | | 130-135 | | | |
| 140 | | | | | | | | | 135-140 | | | |
| 145 | | | | | | | | | 140-145 | | | |
| 150 | | | | | | | | | 145-150 | | | |
| 155 | | | | | | | | | 150-155 | | | |
| 160 | | | | | | | | | 155-160 | | | |
| 165 | | | | | | | | | 160-165 | | | |
| 170 | | | | | | | | | 165-170 | | | |
| 175 | | | | | | | | | 170-175 | | | |
| 180 | | | | | | | | | 175-180 | | | |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

Conical surface Flux(90deg): 1606.6 lm

%lum = 53.1%

%lamp = 53.1%

Conical surface Flux(120deg): 2374.4 lm

%lum = 78.5%

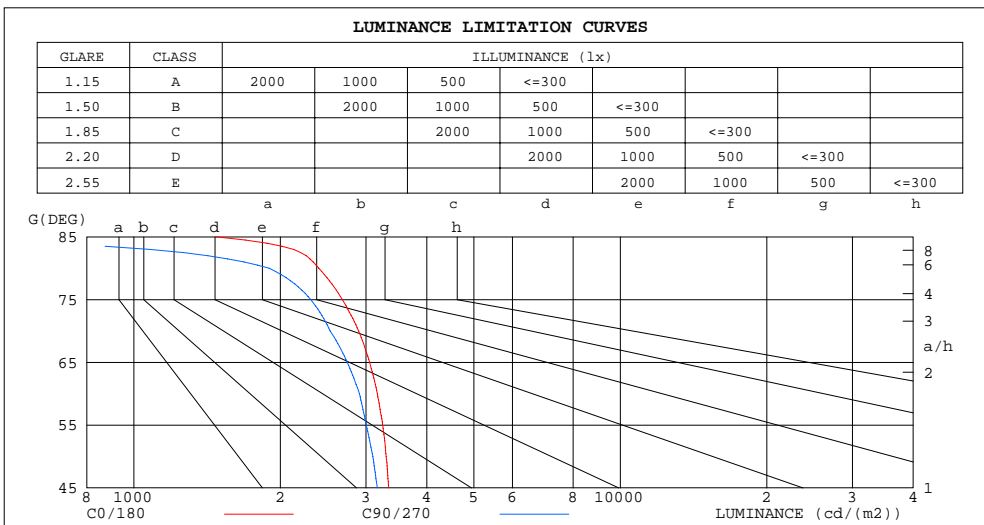
%lamp = 78.5%

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Neiko
Test Date:2015-10-07

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.350
Humidity:65.0%
Test Distance:12.123m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

| | | |
|---|----------------|---------------------------|
| Test:U:219.9V I:0.1351A P:33.52W PF:0.9778 Lamp Flux:3024.27x1 lm | | |
| NAME: 35W | TYPE:LED | WEIGHT: |
| SPEC.: | DIM.: 600*600 | SERIAL No.:BLD20151007P14 |
| MFR.: | SUR.:0.55*0.55 | Shielding Angle: |



| LUMINANCE cd/(m2) | | |
|-------------------|--------|---------|
| G(DEG) | C0/180 | C90/270 |
| 85 | 1475 | 0 |
| 80 | 2400 | 1896 |
| 75 | 2682 | 2310 |
| 70 | 2897 | 2533 |
| 65 | 3053 | 2746 |
| 60 | 3165 | 2909 |
| 55 | 3247 | 3005 |
| 50 | 3300 | 3101 |
| 45 | 3340 | 3166 |

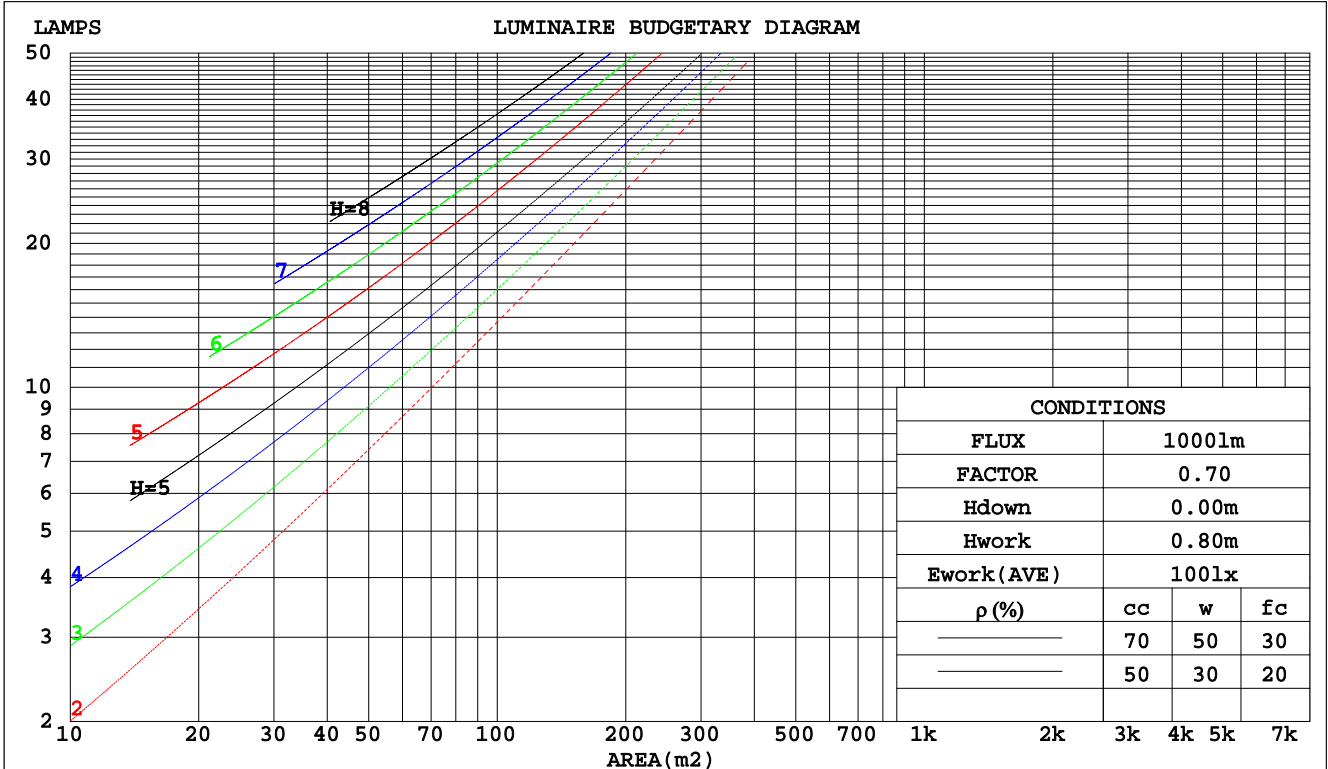
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Neiko
 Test Date:2015-10-07

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.350
 Humidity:65.0%
 Test Distance:12.123m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|---|----------------|---------------------------|
| Test:U:219.9V I:0.1351A P:33.52W PF:0.9778 Lamp Flux:3024.27x1 lm | | |
| NAME: 35W | TYPE:LED | WEIGHT: |
| SPEC.: | DIM.: 600*600 | SERIAL No.:BLD20151007P14 |
| MFR.: | SUR.:0.55*0.55 | Shielding Angle: |

| pcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|------|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| pw | | | | | | | | | | | | | | | | 0 |
| pfc | | | | | | | | | | | | | | | | 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 | 1.02 | 1.02 | 1.02 | 1.00 |
| 1.0 | 1.04 | .00 | .96 | 1.02 | .98 | .94 | .97 | .94 | .91 | .93 | .91 | .88 | .90 | .88 | .86 | .84 |
| 2.0 | .90 | .83 | .78 | .88 | .82 | .77 | .85 | .80 | .75 | .82 | .77 | .73 | .79 | .75 | .72 | .69 |
| 3.0 | .79 | .71 | .64 | .78 | .70 | .64 | .75 | .68 | .63 | .72 | .66 | .62 | .69 | .65 | .60 | .58 |
| 4.0 | .70 | .61 | .54 | .69 | .60 | .54 | .66 | .59 | .53 | .64 | .58 | .52 | .62 | .56 | .52 | .50 |
| 5.0 | .62 | .53 | .47 | .61 | .53 | .46 | .59 | .52 | .46 | .57 | .51 | .45 | .55 | .50 | .45 | .43 |
| 6.0 | .56 | .47 | .41 | .55 | .47 | .40 | .53 | .46 | .40 | .52 | .45 | .40 | .50 | .44 | .39 | .37 |
| 7.0 | .51 | .42 | .36 | .50 | .42 | .36 | .49 | .41 | .35 | .47 | .40 | .35 | .46 | .40 | .35 | .33 |
| 8.0 | .46 | .38 | .32 | .46 | .38 | .32 | .44 | .37 | .32 | .43 | .36 | .31 | .42 | .36 | .31 | .29 |
| 9.0 | .43 | .34 | .29 | .42 | .34 | .29 | .41 | .34 | .28 | .40 | .33 | .28 | .39 | .33 | .28 | .26 |
| 10.0 | .39 | .31 | .26 | .39 | .31 | .26 | .38 | .31 | .26 | .37 | .30 | .26 | .36 | .30 | .26 | .24 |



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Neiko
 Test Date:2015-10-07

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.350
 Humidity:65.0%
 Test Distance:12.123m [K=1.0000]
 Remarks:

WEC AND CCEC

| | | |
|---|----------------|---------------------------|
| Test:U:219.9V I:0.1351A P:33.52W PF:0.9778 Lamp Flux:3024.27x1 lm | | |
| NAME: 35W | TYPE:LED | WEIGHT: |
| SPEC.: | DIM.: 600*600 | SERIAL No.:BLD20151007P14 |
| MFR.: | SUR.:0.55*0.55 | Shielding Angle: |

| ρ_{cc} | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|-------------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|------|------|------|---|
| ρ_w | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| ρ_{fc} | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Wall Exitance Coefficients(WEC) | | | | | | | | | |
| 0.0 | | | | | | | | | | | | | | | | |
| 1.0 | .309 | .176 | .056 | .302 | .172 | .055 | .289 | .166 | .053 | .276 | .159 | .051 | .265 | .154 | .050 | |
| 2.0 | .292 | .160 | .049 | .286 | .158 | .049 | .274 | .153 | .047 | .264 | .148 | .046 | .254 | .144 | .045 | |
| 3.0 | .271 | .144 | .043 | .266 | .142 | .043 | .255 | .138 | .042 | .246 | .135 | .041 | .237 | .131 | .041 | |
| 4.0 | .250 | .130 | .038 | .245 | .128 | .038 | .236 | .125 | .037 | .228 | .122 | .037 | .220 | .119 | .036 | |
| 5.0 | .231 | .118 | .034 | .227 | .117 | .034 | .219 | .114 | .034 | .211 | .111 | .033 | .204 | .109 | .033 | |
| 6.0 | .214 | .108 | .031 | .211 | .106 | .031 | .203 | .104 | .030 | .197 | .102 | .030 | .190 | .100 | .030 | |
| 7.0 | .200 | .099 | .028 | .196 | .098 | .028 | .190 | .096 | .028 | .184 | .094 | .027 | .178 | .092 | .027 | |
| 8.0 | .186 | .091 | .026 | .183 | .090 | .026 | .177 | .089 | .025 | .172 | .087 | .025 | .167 | .086 | .025 | |
| 9.0 | .175 | .084 | .024 | .172 | .084 | .024 | .167 | .082 | .023 | .162 | .081 | .023 | .157 | .080 | .023 | |
| 10.0 | .164 | .079 | .022 | .162 | .078 | .022 | .157 | .077 | .022 | .153 | .076 | .022 | .148 | .075 | .021 | |

| ρ_{cc} | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|-------------|-----------------------|------|------|------|------|------|--|------|------|------|------|------|------|------|------|---|
| ρ_w | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| ρ_{fc} | 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 | .180 | .156 | .134 | .154 | .134 | .116 | .105 | .092 | .080 | .061 | .053 | .047 | .019 | .017 | .015 | |
| 2.0 | .172 | .132 | .098 | .148 | .114 | .085 | .101 | .079 | .059 | .058 | .046 | .035 | .019 | .015 | .011 | |
| 3.0 | .165 | .114 | .074 | .141 | .099 | .064 | .097 | .069 | .045 | .056 | .040 | .027 | .018 | .013 | .009 | |
| 4.0 | .157 | .101 | .058 | .135 | .087 | .051 | .093 | .061 | .036 | .054 | .036 | .021 | .017 | .012 | .007 | |
| 5.0 | .150 | .091 | .047 | .129 | .078 | .041 | .089 | .055 | .029 | .051 | .032 | .017 | .017 | .010 | .006 | |
| 6.0 | .143 | .082 | .039 | .123 | .071 | .034 | .085 | .050 | .024 | .049 | .029 | .014 | .016 | .010 | .005 | |
| 7.0 | .136 | .075 | .033 | .117 | .065 | .029 | .081 | .046 | .020 | .047 | .027 | .012 | .015 | .009 | .004 | |
| 8.0 | .129 | .070 | .029 | .111 | .060 | .025 | .077 | .042 | .018 | .045 | .025 | .011 | .014 | .008 | .003 | |
| 9.0 | .123 | .065 | .025 | .106 | .056 | .022 | .073 | .039 | .016 | .043 | .023 | .009 | .014 | .008 | .003 | |
| 10.0 | .117 | .060 | .022 | .101 | .052 | .020 | .070 | .037 | .014 | .041 | .022 | .008 | .013 | .007 | .003 | |

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Neiko
Test Date:2015-10-07

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.350
Humidity:65.0%
Test Distance:12.123m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

| Test:U:219.9V I:0.1351A P:33.52W PF:0.9778 Lamp Flux:3024.27x1 lm | | | | | | | | | | |
|---|------------------|------|------|------|----------------|----------------|------|---------------------------|------|------|
| NAME: 35W | | | | | TYPE:LED | | | WEIGHT: | | |
| SPEC.: | | | | | DIM.: 600*600 | | | SERIAL No.:BLD20151007P14 | | |
| MFR.: | | | | | SUR.:0.55*0.55 | | | Shielding 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 | 16.9 | 18.4 | 17.2 | 18.6 | 18.8 | 16.6 | 18.1 | 16.8 | 18.3 | 18.5 |
| 3H | 18.4 | 19.9 | 18.7 | 20.1 | 20.3 | 18.0 | 19.4 | 18.3 | 19.6 | 19.9 |
| 4H | 19.0 | 20.4 | 19.4 | 20.6 | 20.9 | 18.5 | 19.9 | 18.8 | 20.1 | 20.4 |
| 6H | 19.5 | 20.7 | 19.8 | 21.0 | 21.3 | 18.9 | 20.1 | 19.2 | 20.4 | 20.7 |
| 8H | 19.6 | 20.8 | 19.9 | 21.1 | 21.4 | 18.9 | 20.2 | 19.3 | 20.4 | 20.7 |
| 12H | 19.6 | 20.8 | 19.9 | 21.1 | 21.4 | 18.9 | 20.1 | 19.2 | 20.4 | 20.7 |
| 4H 2H | 17.5 | 18.8 | 17.8 | 19.0 | 19.3 | 17.2 | 18.5 | 17.5 | 18.8 | 19.1 |
| 3H | 19.2 | 20.3 | 19.5 | 20.6 | 20.9 | 18.8 | 20.0 | 19.1 | 20.3 | 20.6 |
| 4H | 19.9 | 21.0 | 20.3 | 21.3 | 21.6 | 19.5 | 20.5 | 19.8 | 20.9 | 21.2 |
| 6H | 20.4 | 21.4 | 20.8 | 21.7 | 22.1 | 19.9 | 20.9 | 20.3 | 21.2 | 21.6 |
| 8H | 20.6 | 21.4 | 21.0 | 21.8 | 22.2 | 20.0 | 20.9 | 20.4 | 21.3 | 21.6 |
| 12H | 20.6 | 21.4 | 21.0 | 21.8 | 22.2 | 20.0 | 20.8 | 20.4 | 21.2 | 21.6 |
| 8H 4H | 20.1 | 21.0 | 20.5 | 21.4 | 21.7 | 19.7 | 20.6 | 20.1 | 21.0 | 21.4 |
| 6H | 20.8 | 21.5 | 21.2 | 21.9 | 22.3 | 20.3 | 21.0 | 20.7 | 21.4 | 21.9 |
| 8H | 21.0 | 21.6 | 21.4 | 22.1 | 22.5 | 20.4 | 21.1 | 20.9 | 21.5 | 22.0 |
| 12H | 21.1 | 21.7 | 21.6 | 22.1 | 22.6 | 20.4 | 21.0 | 20.9 | 21.4 | 21.9 |
| 12H 4H | 20.1 | 20.9 | 20.5 | 21.3 | 21.7 | 19.7 | 20.5 | 20.2 | 20.9 | 21.3 |
| 6H | 20.8 | 21.5 | 21.3 | 21.9 | 22.3 | 20.3 | 21.0 | 20.8 | 21.4 | 21.9 |
| 8H | 21.0 | 21.6 | 21.5 | 22.1 | 22.5 | 20.5 | 21.1 | 21.0 | 21.5 | 22.0 |
| Variations with the observer position at spacings: | | | | | | | | | | |
| S = 1.0H | + 0.1 / - 0.2 | | | | | + 0.2 / - 0.2 | | | | |
| 1.5H | + 0.2 / - 0.3 | | | | | + 0.2 / - 0.3 | | | | |
| 2.0H | + 0.2 / - 0.3 | | | | | + 0.2 / - 0.3 | | | | |

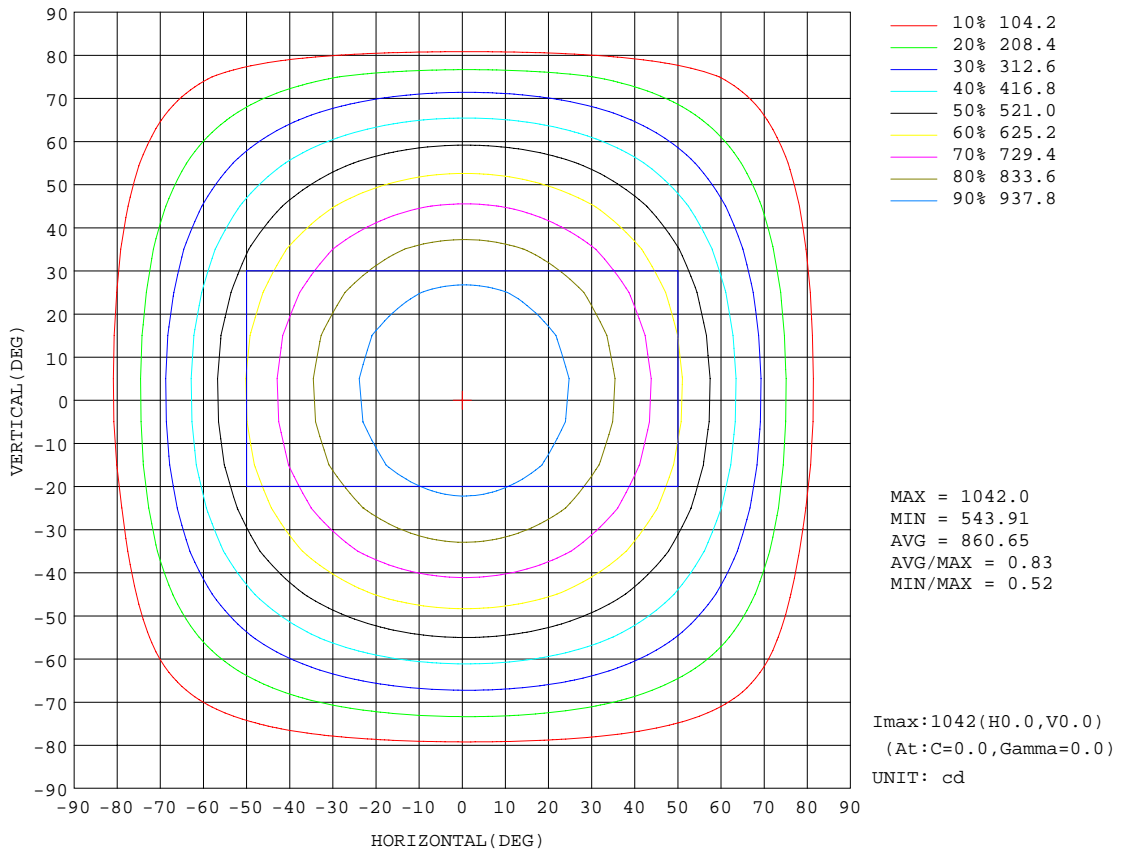
CIE Pub.117 Corrected 3024 lm Total Lamp Luminous Flux.(8log(F/F0) = 3.8)

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Neiko
Test Date:2015-10-07

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.350
Humidity:65.0%
Test Distance:12.123m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

| | | |
|---|----------------|---------------------------|
| Test:U:219.9V I:0.1351A P:33.52W PF:0.9778 Lamp Flux:3024.27x1 lm | | |
| NAME: 35W | TYPE:LED | WEIGHT: |
| SPEC.: | DIM.: 600*600 | SERIAL No.:BLD20151007P14 |
| MFR.: | SUR.:0.55*0.55 | Shielding Angle: |

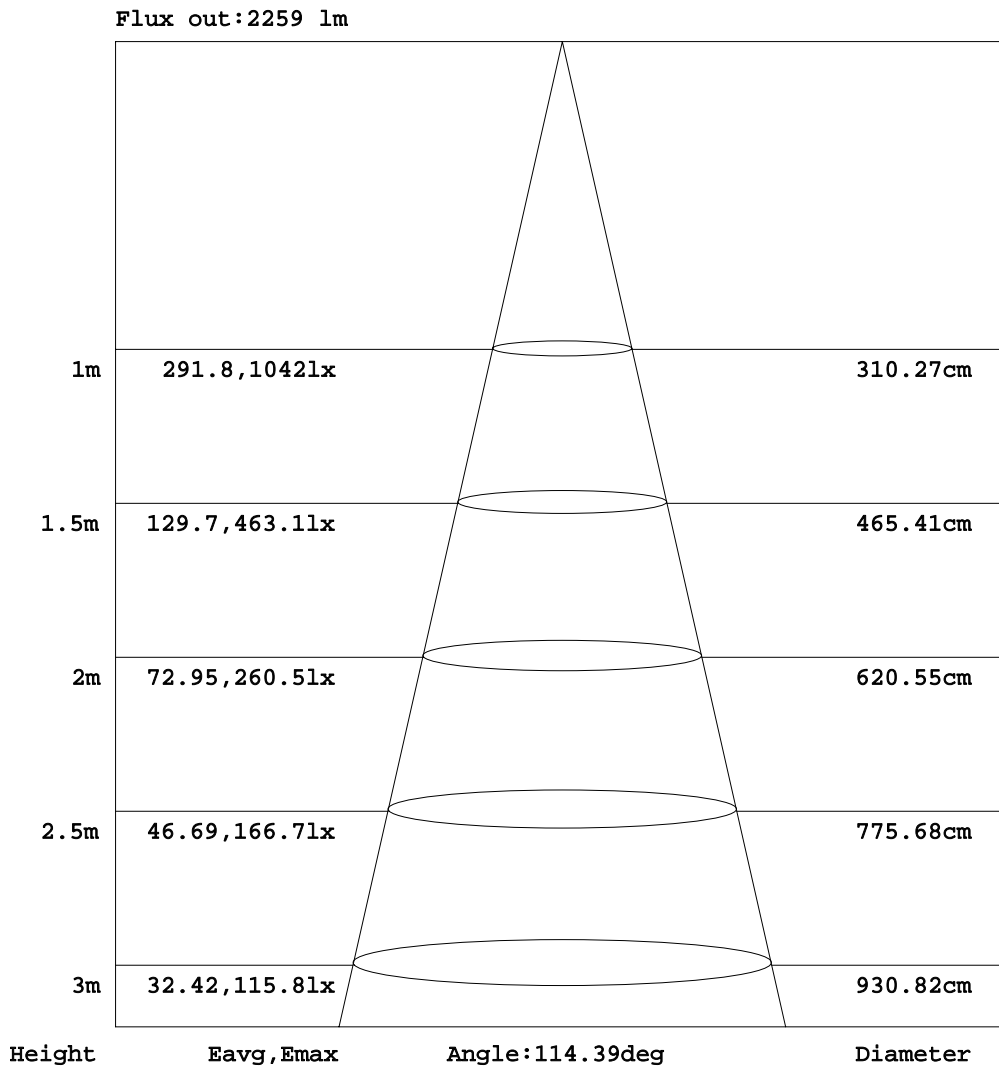


C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Neiko
 Test Date:2015-10-07

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.350
 Humidity:65.0%
 Test Distance:12.123m [K=1.0000]
 Remarks:

AAI Figure

| | | |
|---|----------------|---------------------------|
| Test:U:219.9V I:0.1351A P:33.52W PF:0.9778 Lamp Flux:3024.27x1 lm | | |
| NAME: 35W | TYPE:LED | WEIGHT: |
| SPEC.: | DIM.: 600*600 | SERIAL No.:BLD20151007P14 |
| MFR.: | SUR.:0.55*0.55 | Shielding Angle: |



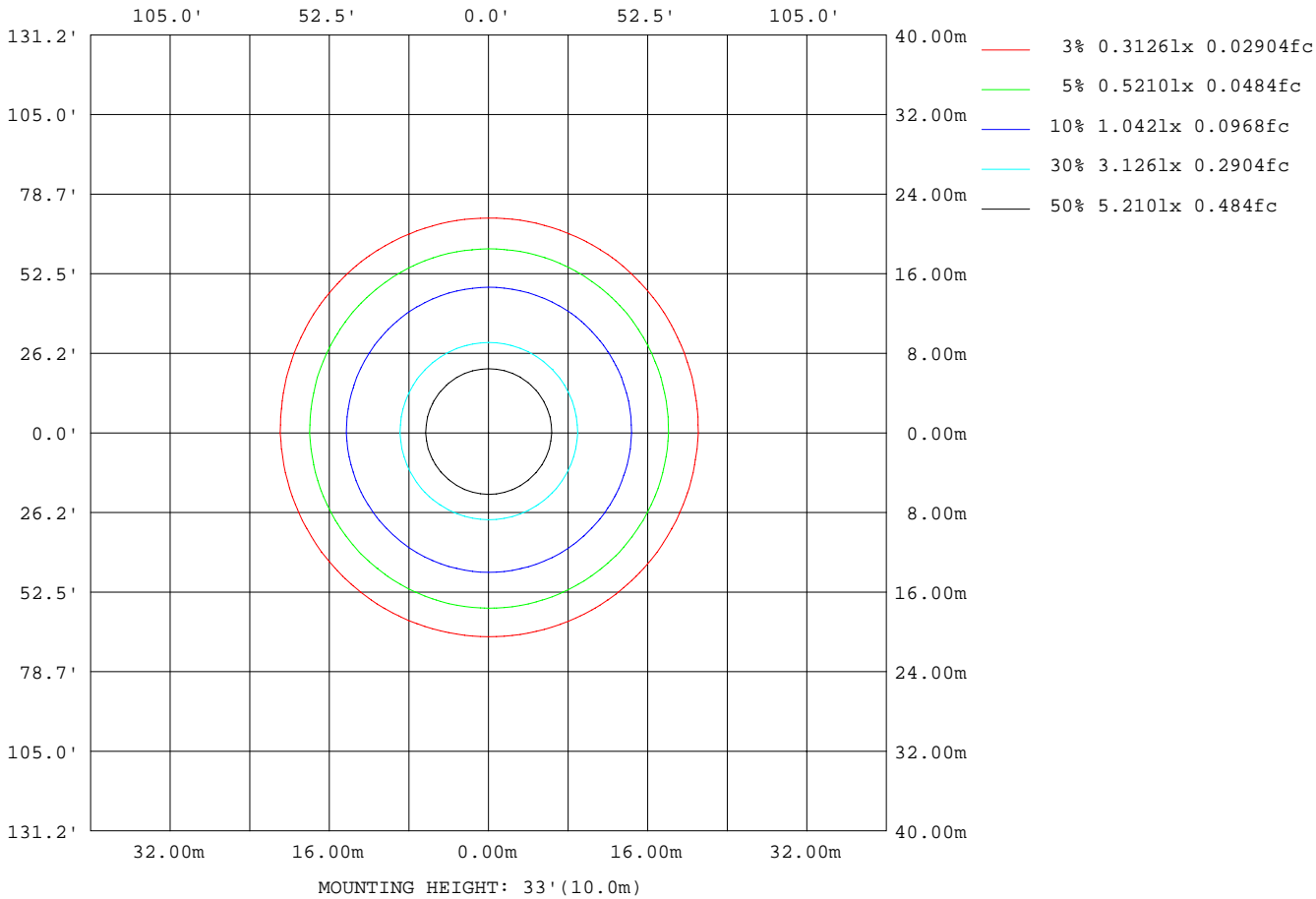
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Neiko
 Test Date:2015-10-07

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.350
 Humidity:65.0%
 Test Distance:12.123m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

| | | |
|---|----------------|---------------------------|
| Test:U:219.9V I:0.1351A P:33.52W PF:0.9778 Lamp Flux:3024.27x1 lm | | |
| NAME: 35W | TYPE:LED | WEIGHT: |
| SPEC.: | DIM.: 600*600 | SERIAL No.:BLD20151007P14 |
| MFR.: | SUR.:0.55*0.55 | Shielding Angle: |



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Neiko
 Test Date:2015-10-07

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.350
 Humidity:65.0%
 Test Distance:12.123m [K=1.0000]
 Remarks:

LED Avg.L Report

| | | |
|---|----------------|---------------------------|
| Test:U:219.9V I:0.1351A P:33.52W PF:0.9778 Lamp Flux:3024.27x1 lm | | |
| NAME: 35W | TYPE:LED | WEIGHT: |
| SPEC.: | DIM.: 600*600 | SERIAL No.:BLD20151007P14 |
| MFR.: | SUR.:0.55*0.55 | Shielding Angle: |

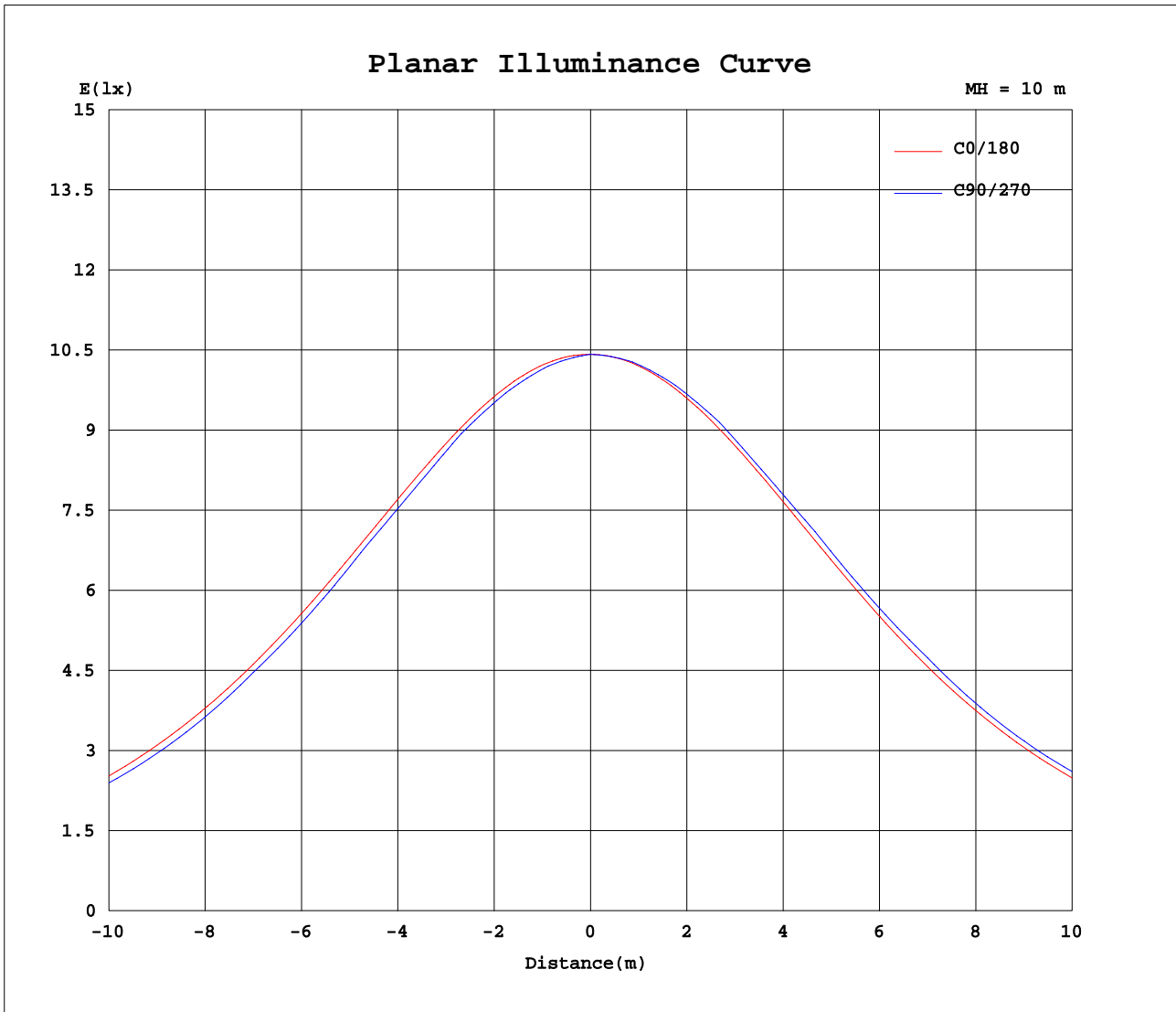
| AvgL | cd/m2 |
|----------------|-------|
| L_0~180(65)av | 3016 |
| L_0~180(75)av | 2632 |
| L_0~180(85)av | 1301 |
| L_90~270(65)av | 3032 |
| L_90~270(75)av | 2748 |
| L_90~270(85)av | 0 |
| L_45(65)av | 3017 |
| L_45(75)av | 2660 |
| L_45(85)av | 1261 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Neiko
Test Date:2015-10-07

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.350
Humidity:65.0%
Test Distance:12.123m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Neiko
 Test Date: 2015-10-07

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.350
 Humidity: 65.0%
 Test Distance: 12.123m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|---|----------------|---------------------------|
| Test:U:219.9V I:0.1351A P:33.52W PF:0.9778 Lamp Flux:3024.27x1 lm | | |
| NAME: 35W | TYPE:LED | WEIGHT: |
| SPEC.: | DIM.: 600*600 | SERIAL No.:BLD20151007P14 |
| MFR.: | SUR.:0.55*0.55 | Shielding Angle: |

Table--1

UNIT: cd

| C(DEG) γ (DEG) | 0 | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 | 90 |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0 | 1042 | 1042 | 1042 | 1042 | 1042 | 1042 | 1042 | 1042 | 1042 | 1042 | 1042 | 1042 | 1042 | 1042 | 1042 | 1042 | 1042 | 1042 | 1042 |
| 5 | 1038 | 1037 | 1037 | 1036 | 1035 | 1035 | 1034 | 1034 | 1033 | 1033 | 1033 | 1033 | 1032 | 1032 | 1032 | 1032 | 1032 | 1032 | 1032 |
| 10 | 1026 | 1024 | 1023 | 1022 | 1021 | 1021 | 1020 | 1019 | 1018 | 1017 | 1016 | 1016 | 1016 | 1016 | 1016 | 1015 | 1015 | 1015 | 1015 |
| 15 | 1005 | 1003 | 1001 | 1000 | 999 | 997 | 996 | 996 | 995 | 994 | 993 | 993 | 993 | 992 | 992 | 992 | 992 | 992 | 992 |
| 20 | 976 | 973 | 971 | 970 | 967 | 967 | 966 | 965 | 964 | 964 | 963 | 960 | 959 | 957 | 956 | 956 | 955 | 954 | 954 |
| 25 | 938 | 935 | 933 | 931 | 929 | 928 | 927 | 927 | 924 | 921 | 919 | 918 | 918 | 917 | 917 | 917 | 917 | 917 | 917 |
| 30 | 892 | 889 | 887 | 885 | 883 | 882 | 880 | 877 | 875 | 874 | 874 | 874 | 871 | 869 | 867 | 866 | 865 | 865 | 865 |
| 35 | 840 | 836 | 834 | 832 | 831 | 828 | 825 | 823 | 823 | 821 | 818 | 816 | 814 | 813 | 813 | 813 | 812 | 812 | 812 |
| 40 | 780 | 777 | 774 | 772 | 770 | 766 | 765 | 764 | 760 | 758 | 756 | 756 | 754 | 751 | 749 | 747 | 746 | 745 | 745 |
| 45 | 714 | 711 | 708 | 706 | 701 | 700 | 698 | 694 | 693 | 692 | 688 | 685 | 682 | 681 | 680 | 679 | 678 | 678 | 677 |
| 50 | 642 | 638 | 635 | 632 | 630 | 627 | 623 | 623 | 618 | 614 | 612 | 611 | 610 | 608 | 606 | 605 | 604 | 603 | 603 |
| 55 | 563 | 559 | 557 | 553 | 552 | 548 | 546 | 541 | 538 | 537 | 534 | 532 | 530 | 528 | 526 | 524 | 523 | 522 | 521 |
| 60 | 479 | 475 | 472 | 470 | 465 | 463 | 459 | 457 | 455 | 453 | 450 | 447 | 445 | 444 | 443 | 442 | 441 | 441 | 440 |
| 65 | 390 | 387 | 383 | 380 | 378 | 374 | 371 | 369 | 366 | 364 | 363 | 362 | 359 | 357 | 356 | 354 | 353 | 352 | 351 |
| 70 | 300 | 296 | 294 | 291 | 287 | 285 | 281 | 279 | 278 | 275 | 273 | 272 | 270 | 268 | 267 | 265 | 264 | 263 | 262 |
| 75 | 210 | 207 | 204 | 201 | 199 | 196 | 194 | 191 | 189 | 186 | 185 | 185 | 184 | 184 | 183 | 183 | 182 | 181 | 181 |
| 80 | 126 | 116 | 109 | 113 | 115 | 114 | 111 | 110 | 109 | 107 | 106 | 105 | 103 | 102 | 101 | 101 | 101 | 100 | 99.6 |
| 85 | 38.9 | 32.2 | 35.7 | 41.1 | 44.4 | 43.7 | 40.9 | 35.7 | 30.6 | 25.8 | 21.1 | 16.7 | 12.6 | 8.94 | 5.82 | 3.35 | 1.51 | 0.38 | 0.00 |
| 90 | 0.62 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Neiko
 Test Date:2015-10-07

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.350
 Humidity:65.0%
 Test Distance:12.123m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|---|----------------|---------------------------|
| Test:U:219.9V I:0.1351A P:33.52W PF:0.9778 Lamp Flux:3024.27x1 lm | | |
| NAME: 35W | TYPE:LED | WEIGHT: |
| SPEC.: | DIM.: 600*600 | SERIAL No.:BLD20151007P14 |
| MFR.: | SUR.:0.55*0.55 | Shielding Angle: |

Table--2

UNIT: cd

| C(DEC) γ (DEC) | 95 | 100 | 105 | 110 | 115 | 120 | 125 | 130 | 135 | 140 | 145 | 150 | 155 | 160 | 165 | 170 | 175 | 180 | 185 |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0 | 1042 | 1042 | 1042 | 1042 | 1042 | 1042 | 1042 | 1042 | 1042 | 1042 | 1042 | 1042 | 1042 | 1042 | 1042 | 1042 | 1042 | 1042 | 1042 |
| 5 | 1032 | 1032 | 1032 | 1032 | 1032 | 1032 | 1032 | 1032 | 1032 | 1032 | 1033 | 1033 | 1033 | 1034 | 1035 | 1035 | 1036 | 1037 | 1037 |
| 10 | 1015 | 1015 | 1014 | 1014 | 1014 | 1014 | 1014 | 1015 | 1015 | 1016 | 1016 | 1017 | 1018 | 1018 | 1019 | 1020 | 1022 | 1023 | 1023 |
| 15 | 991 | 991 | 991 | 991 | 991 | 990 | 990 | 991 | 991 | 992 | 992 | 992 | 993 | 995 | 995 | 997 | 998 | 1001 | 1000 |
| 20 | 954 | 954 | 954 | 954 | 955 | 956 | 957 | 959 | 960 | 960 | 960 | 961 | 961 | 962 | 964 | 965 | 967 | 970 | 970 |
| 25 | 917 | 916 | 915 | 915 | 914 | 914 | 914 | 915 | 916 | 918 | 922 | 921 | 922 | 923 | 924 | 926 | 928 | 931 | 931 |
| 30 | 864 | 864 | 864 | 865 | 865 | 867 | 869 | 868 | 868 | 869 | 870 | 873 | 875 | 876 | 876 | 878 | 881 | 885 | 884 |
| 35 | 811 | 811 | 810 | 810 | 809 | 810 | 810 | 811 | 814 | 815 | 815 | 816 | 820 | 822 | 823 | 824 | 827 | 831 | 831 |
| 40 | 744 | 744 | 745 | 745 | 747 | 749 | 750 | 750 | 750 | 752 | 755 | 755 | 756 | 760 | 762 | 763 | 766 | 771 | 771 |
| 45 | 677 | 676 | 676 | 676 | 676 | 677 | 678 | 680 | 684 | 684 | 685 | 688 | 689 | 691 | 696 | 696 | 699 | 704 | 704 |
| 50 | 602 | 602 | 602 | 602 | 602 | 603 | 604 | 604 | 606 | 609 | 613 | 613 | 616 | 618 | 621 | 624 | 626 | 631 | 631 |
| 55 | 521 | 521 | 521 | 521 | 522 | 523 | 525 | 525 | 527 | 528 | 531 | 535 | 536 | 539 | 541 | 545 | 547 | 552 | 552 |
| 60 | 439 | 439 | 439 | 438 | 438 | 439 | 440 | 441 | 443 | 445 | 447 | 449 | 453 | 454 | 458 | 461 | 463 | 468 | 469 |
| 65 | 351 | 350 | 351 | 351 | 352 | 353 | 354 | 355 | 356 | 357 | 360 | 362 | 364 | 368 | 370 | 373 | 377 | 381 | 383 |
| 70 | 262 | 261 | 262 | 262 | 263 | 264 | 265 | 266 | 268 | 270 | 272 | 273 | 276 | 278 | 283 | 285 | 288 | 291 | 294 |
| 75 | 180 | 180 | 180 | 179 | 179 | 179 | 179 | 179 | 180 | 182 | 184 | 187 | 188 | 191 | 192 | 195 | 198 | 202 | 204 |
| 80 | 99.3 | 99.2 | 98.8 | 98.8 | 99.1 | 99.7 | 100 | 101 | 102 | 103 | 104 | 104 | 106 | 108 | 106 | 101 | 103 | 119 | 121 |
| 85 | 0.38 | 1.48 | 3.27 | 5.69 | 8.65 | 12.1 | 15.8 | 19.8 | 23.8 | 27.9 | 32.0 | 35.6 | 37.8 | 38.1 | 34.4 | 30.2 | 25.0 | 29.7 | 42.1 |
| 90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.07 | 0.00 |

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Neiko
Test Date:2015-10-07

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.350
Humidity:65.0%
Test Distance:12.123m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|---|----------------|---------------------------|
| Test:U:219.9V I:0.1351A P:33.52W PF:0.9778 Lamp Flux:3024.27x1 lm | | |
| NAME: 35W | TYPE:LED | WEIGHT: |
| SPEC.: | DIM.: 600*600 | SERIAL No.:BLD20151007P14 |
| MFR.: | SUR.:0.55*0.55 | Shielding Angle: |

Table--3

UNIT: cd

| C(DEG) γ (DEG) | 190 | 195 | 200 | 205 | 210 | 215 | 220 | 225 | 230 | 235 | 240 | 245 | 250 | 255 | 260 | 265 | 270 | 275 | 280 |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0 | 1042 | 1042 | 1042 | 1042 | 1042 | 1042 | 1042 | 1042 | 1042 | 1042 | 1042 | 1042 | 1042 | 1042 | 1042 | 1042 | 1042 | 1042 | 1042 |
| 5 | 1037 | 1037 | 1037 | 1037 | 1037 | 1037 | 1037 | 1037 | 1038 | 1038 | 1038 | 1038 | 1039 | 1039 | 1039 | 1039 | 1039 | 1039 | 1039 |
| 10 | 1023 | 1023 | 1023 | 1024 | 1025 | 1025 | 1025 | 1026 | 1026 | 1027 | 1028 | 1028 | 1029 | 1029 | 1029 | 1030 | 1030 | 1030 | 1030 |
| 15 | 1000 | 1001 | 1002 | 1003 | 1003 | 1005 | 1006 | 1007 | 1008 | 1009 | 1010 | 1011 | 1012 | 1013 | 1014 | 1014 | 1015 | 1015 | 1014 |
| 20 | 970 | 971 | 972 | 974 | 976 | 977 | 979 | 981 | 982 | 982 | 982 | 982 | 982 | 983 | 983 | 984 | 984 | 984 | 984 |
| 25 | 932 | 933 | 935 | 937 | 939 | 943 | 942 | 942 | 943 | 944 | 946 | 948 | 949 | 951 | 952 | 953 | 954 | 954 | 954 |
| 30 | 886 | 888 | 890 | 893 | 895 | 895 | 896 | 898 | 901 | 904 | 904 | 904 | 905 | 906 | 906 | 907 | 908 | 908 | 908 |
| 35 | 832 | 835 | 839 | 840 | 841 | 843 | 847 | 848 | 849 | 850 | 852 | 854 | 856 | 858 | 860 | 861 | 861 | 861 | 861 |
| 40 | 773 | 776 | 779 | 779 | 782 | 786 | 787 | 789 | 792 | 795 | 796 | 796 | 797 | 798 | 798 | 799 | 799 | 800 | 800 |
| 45 | 706 | 711 | 711 | 714 | 717 | 719 | 722 | 727 | 726 | 727 | 728 | 730 | 732 | 734 | 735 | 736 | 737 | 737 | 737 |
| 50 | 635 | 637 | 639 | 643 | 645 | 650 | 650 | 651 | 654 | 657 | 659 | 660 | 662 | 664 | 665 | 666 | 667 | 668 | 667 |
| 55 | 557 | 558 | 562 | 564 | 570 | 570 | 572 | 575 | 578 | 580 | 582 | 584 | 585 | 587 | 588 | 589 | 590 | 590 | 590 |
| 60 | 473 | 476 | 479 | 483 | 484 | 488 | 490 | 493 | 495 | 498 | 500 | 503 | 506 | 508 | 510 | 511 | 512 | 512 | 512 |
| 65 | 385 | 389 | 393 | 394 | 398 | 401 | 404 | 407 | 411 | 415 | 416 | 418 | 420 | 421 | 422 | 423 | 424 | 425 | 425 |
| 70 | 297 | 301 | 302 | 306 | 309 | 313 | 317 | 320 | 322 | 325 | 327 | 329 | 331 | 333 | 334 | 335 | 336 | 337 | 337 |
| 75 | 208 | 210 | 214 | 218 | 221 | 224 | 227 | 230 | 234 | 237 | 239 | 242 | 245 | 246 | 248 | 249 | 249 | 250 | 250 |
| 80 | 123 | 127 | 130 | 133 | 136 | 140 | 143 | 147 | 150 | 152 | 154 | 157 | 159 | 160 | 161 | 162 | 163 | 163 | 163 |
| 85 | 45.7 | 49.7 | 55.8 | 58.4 | 60.2 | 54.4 | 47.7 | 40.7 | 33.6 | 26.7 | 20.2 | 14.5 | 9.48 | 5.42 | 2.43 | 0.61 | 0.00 | 0.62 | 2.46 |
| 90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
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C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Neiko
 Test Date:2015-10-07

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.350
 Humidity:65.0%
 Test Distance:12.123m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|---|----------------|---------------------------|
| Test:U:219.9V I:0.1351A P:33.52W PF:0.9778 Lamp Flux:3024.27x1 lm | | |
| NAME: 35W | TYPE:LED | WEIGHT: |
| SPEC.: | DIM.: 600*600 | SERIAL No.:BLD20151007P14 |
| MFR.: | SUR.:0.55*0.55 | Shielding Angle: |

Table--4

UNIT: cd

| C(DEG) γ (DEG) | 285 | 290 | 295 | 300 | 305 | 310 | 315 | 320 | 325 | 330 | 335 | 340 | 345 | 350 | 355 | | | | |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|--|--|
| 0 | 1042 | 1042 | 1042 | 1042 | 1042 | 1042 | 1042 | 1042 | 1042 | 1042 | 1042 | 1042 | 1042 | 1042 | 1042 | | | | |
| 5 | 1039 | 1039 | 1039 | 1039 | 1039 | 1039 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | 1038 | | | | |
| 10 | 1030 | 1030 | 1029 | 1029 | 1029 | 1028 | 1028 | 1028 | 1027 | 1027 | 1027 | 1026 | 1026 | 1026 | 1026 | | | | |
| 15 | 1014 | 1014 | 1013 | 1012 | 1011 | 1011 | 1010 | 1010 | 1008 | 1008 | 1007 | 1006 | 1006 | 1005 | 1005 | | | | |
| 20 | 984 | 984 | 984 | 984 | 985 | 985 | 985 | 983 | 982 | 981 | 979 | 978 | 977 | 976 | 975 | | | | |
| 25 | 953 | 952 | 951 | 950 | 948 | 947 | 947 | 947 | 948 | 945 | 944 | 942 | 940 | 939 | 938 | | | | |
| 30 | 908 | 908 | 908 | 908 | 909 | 907 | 905 | 903 | 901 | 902 | 900 | 898 | 896 | 895 | 893 | | | | |
| 35 | 860 | 859 | 858 | 857 | 856 | 855 | 856 | 855 | 851 | 849 | 849 | 847 | 845 | 842 | 841 | | | | |
| 40 | 800 | 800 | 800 | 801 | 801 | 798 | 796 | 795 | 796 | 792 | 789 | 788 | 786 | 783 | 781 | | | | |
| 45 | 737 | 736 | 735 | 734 | 733 | 733 | 734 | 731 | 728 | 728 | 725 | 722 | 721 | 718 | 716 | | | | |
| 50 | 667 | 666 | 666 | 665 | 664 | 661 | 660 | 659 | 659 | 655 | 655 | 651 | 648 | 646 | 644 | | | | |
| 55 | 590 | 590 | 589 | 589 | 588 | 587 | 585 | 581 | 579 | 580 | 576 | 575 | 570 | 569 | 565 | | | | |
| 60 | 511 | 510 | 509 | 507 | 505 | 504 | 503 | 500 | 498 | 494 | 493 | 489 | 488 | 484 | 481 | | | | |
| 65 | 425 | 424 | 424 | 423 | 422 | 419 | 416 | 413 | 411 | 408 | 404 | 402 | 399 | 395 | 393 | | | | |
| 70 | 336 | 336 | 335 | 333 | 331 | 329 | 327 | 324 | 321 | 317 | 315 | 311 | 309 | 306 | 302 | | | | |
| 75 | 249 | 248 | 247 | 245 | 242 | 240 | 236 | 234 | 231 | 228 | 225 | 222 | 218 | 216 | 212 | | | | |
| 80 | 162 | 162 | 160 | 158 | 157 | 154 | 152 | 149 | 146 | 142 | 140 | 137 | 134 | 131 | 129 | | | | |
| 85 | 5.49 | 9.64 | 14.8 | 20.8 | 27.6 | 34.9 | 42.7 | 50.6 | 58.4 | 65.8 | 64.3 | 61.6 | 55.0 | 50.6 | 47.8 | | | | |
| 90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Neiko
 Test Date:2015-10-07

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.350
 Humidity:65.0%
 Test Distance:12.123m [K=1.0000]
 Remarks: