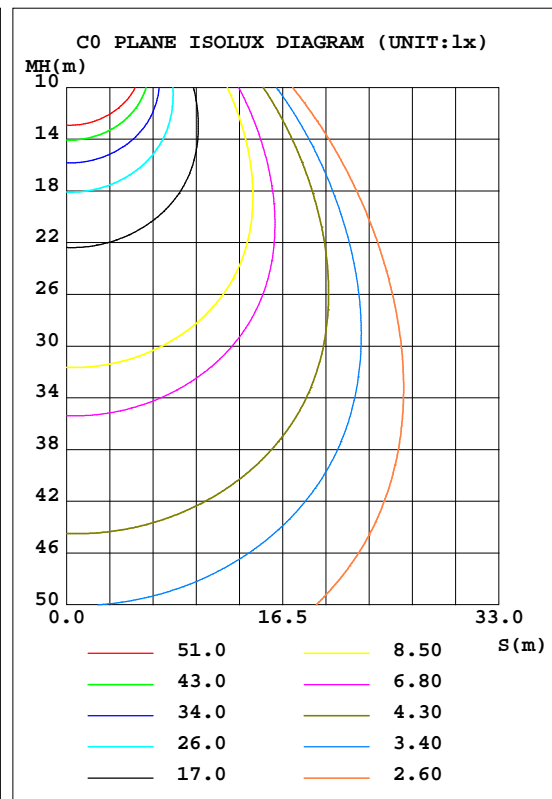
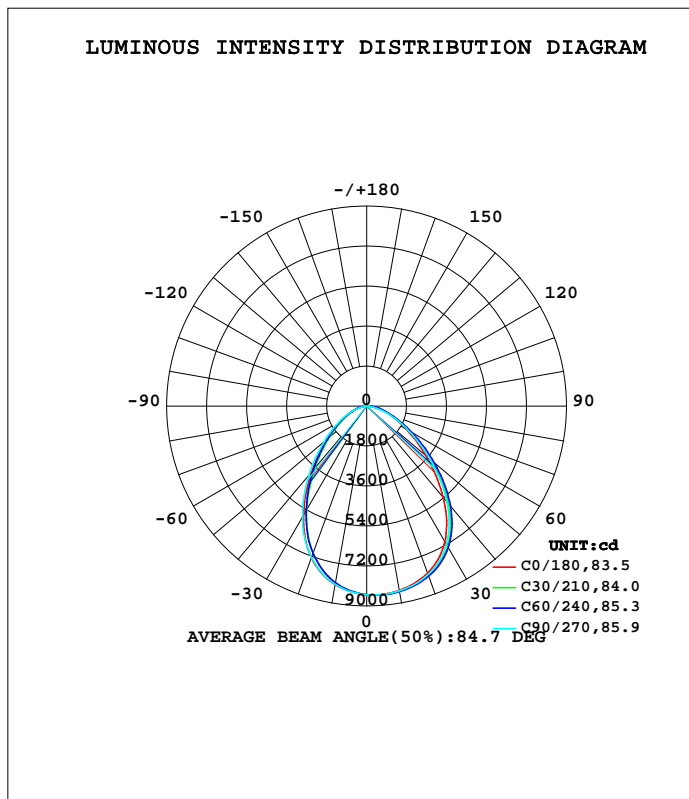


LUMINAIRE PHOTOMETRIC TEST REPORT

| | | |
|---|------------------|---------------------------|
| Test:U:219.8V I:0.6936A P:149.9W PF:0.9832 Lamp Flux:16928x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.:BLD20161105P27 |
| MFR.: | SUR.:0.08*0.22*3 | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 112.96 lm/W | | | |
|------------------|-----------|-----------------------------------|--------|--------------------|----------|
| MODEL | 0.9M-150W | I _{max} (cd) | 8532 | S/MH(C0/180) | 1.05 |
| NOMINAL POWER(W) | | LOR(%) | 100.0 | S/MH(C90/270) | 1.06 |
| RATED VOLTAGE(V) | | TOTAL FLUX(lm) | 16928 | η UP, DN(C0-180) | 0.0,54.7 |
| NOMINAL FLUX(lm) | 16928 | CIE CLASS | DIRECT | η UP, DN(C180-360) | 0.0,45.3 |
| LAMPS INSIDE | 1 | η up(%) | 0.0 | CIBSE SHR NOM | 1.25 |
| TEST VOLTAGE(V) | | η down(%) | 100.0 | CIBSE SHR MAX | 1.25 |



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:26DEG
 Operators:NEIKO
 Test Date:2016-11-05

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.350
 Humidity:60%
 Test Distance:12.218m [K=1.0000]
 Remarks: 80DEG

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ | Φ zone | Φ total | %lum,lamp |
|----------|-----------------------|-------|-------|-------|-------|-------|-------|-------|----------|-------------|--------------|-----------|
| 10 | 8426 | 8484 | 8450 | 8331 | 8166 | 8065 | 8152 | 8312 | 0- 10 | 801.3 | 801.3 | 4.73,4.73 |
| 20 | 8004 | 8152 | 8074 | 7739 | 7276 | 7021 | 7271 | 7701 | 10- 20 | 2263 | 3065 | 18.1,18.1 |
| 30 | 7045 | 7350 | 7181 | 6484 | 5687 | 5395 | 5784 | 6461 | 20- 30 | 3264 | 6329 | 37.4,37.4 |
| 40 | 5370 | 5855 | 5615 | 4651 | 3844 | 3639 | 4037 | 4694 | 30- 40 | 3489 | 9818 | 58.58 |
| 50 | 3498 | 3944 | 3736 | 2900 | 2342 | 2233 | 2517 | 2954 | 40- 50 | 2954 | 12772 | 75.4,75.4 |
| 60 | 2043 | 2304 | 2139 | 1637 | 1353 | 1280 | 1451 | 1670 | 50- 60 | 2083 | 14855 | 87.8,87.8 |
| 70 | 1084 | 1187 | 1062 | 830.9 | 706.1 | 657.0 | 712.6 | 828.3 | 60- 70 | 1260 | 16115 | 95.2,95.2 |
| 80 | 351.7 | 546.4 | 279.3 | 367.3 | 210.6 | 279.4 | 169.7 | 375.5 | 70- 80 | 631.0 | 16746 | 98.9,98.9 |
| 90 | 34.63 | 25.67 | 7.674 | 10.04 | 13.70 | 8.228 | 6.614 | 16.90 | 80- 90 | 173.7 | 16920 | 100,100 |
| 100 | 4.876 | 5.516 | 7.494 | 6.491 | 4.616 | 5.363 | 6.792 | 4.391 | 90-100 | 7.613 | 16928 | 100,100 |
| 110 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100-110 | 0.3201 | 16928 | 100,100 |
| 120 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 110-120 | 0 | 16928 | 100,100 |
| 130 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 120-130 | 0 | 16928 | 100,100 |
| 140 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 130-140 | 0 | 16928 | 100,100 |
| 150 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 140-150 | 0 | 16928 | 100,100 |
| 160 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 150-160 | 0 | 16928 | 100,100 |
| 170 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 160-170 | 0 | 16928 | 100,100 |
| 180 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 170-180 | 0 | 16928 | 100,100 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

Conical surface Flux(90deg): 11395 lm

%lum = 67.3%
%lamp = 67.3%

Conical surface Flux(120deg): 14855 lm

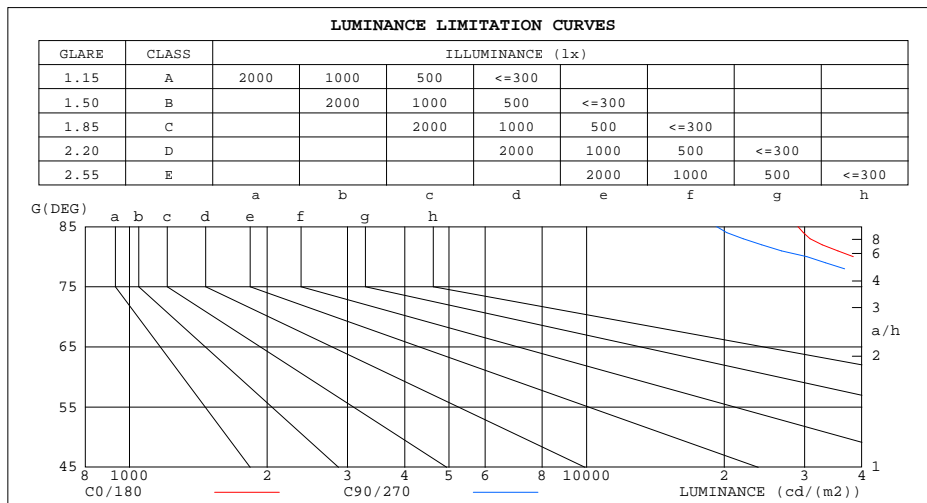
%lum = 87.8%
%lamp = 87.8%

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:26DEG
Operators:NEIKO
Test Date:2016-11-05

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.350
Humidity:60%
Test Distance:12.218m [K=1.0000]
Remarks: 80DEG

LUMINANCE LIMITATION CURVES

| | | |
|---|------------------|---------------------------|
| Test:U:219.8V I:0.6936A P:149.9W PF:0.9832 Lamp Flux:16928x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.:BLD20161105P27 |
| MFR.: | SUR.:0.08*0.22*3 | Shielding Angle: |



| LUMINANCE cd/(m2) | | |
|-------------------|--------|---------|
| G(DEG) | C0/180 | C90/270 |
| 85 | 28994 | 19260 |
| 80 | 38312 | 30329 |
| 75 | 51914 | 46250 |
| 70 | 59966 | 58559 |
| 65 | 67760 | 69005 |
| 60 | 77310 | 80696 |
| 55 | 89303 | 94528 |
| 50 | 102948 | 109617 |
| 45 | 117850 | 124600 |

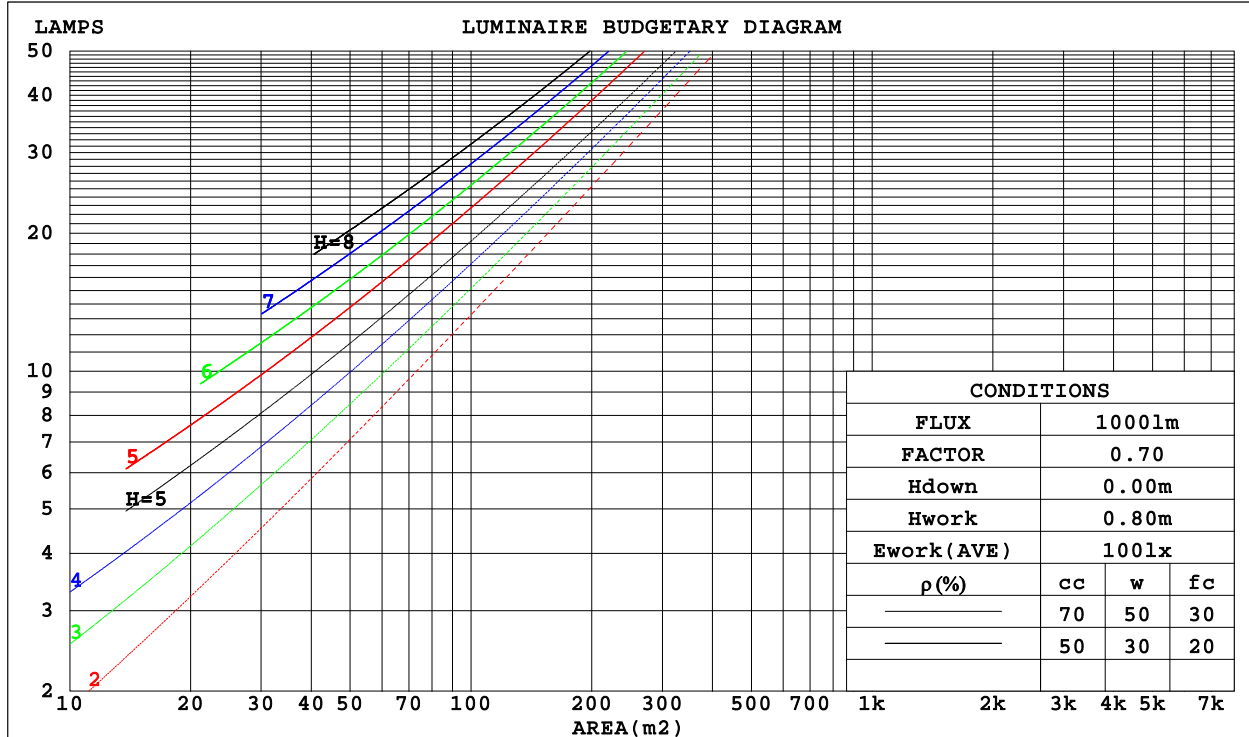
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 26DEG
 Operators: NEIKO
 Test Date: 2016-11-05

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.350
 Humidity: 60%
 Test Distance: 12.218m [K=1.0000]
 Remarks: 80DEG

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|---|------------------|---------------------------|
| Test:U:219.8V I:0.6936A P:149.9W PF:0.9832 Lamp Flux:16928x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.:BLD20161105P27 |
| MFR.: | SUR.:0.08*0.22*3 | 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 | | | | | | 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 | .00 |
| 1.0 | 1.06 | 1.03 | .99 | 1.04 | 1.01 | .98 | .90 | .97 | .95 | .96 | .94 | .92 | .93 | .91 | .89 | .87 |
| 2.0 | .95 | .89 | .84 | .93 | .87 | .83 | .89 | .85 | .81 | .86 | .82 | .79 | .83 | .80 | .77 | .75 |
| 3.0 | .85 | .78 | .72 | .83 | .77 | .71 | .80 | .75 | .70 | .78 | .73 | .69 | .75 | .71 | .68 | .66 |
| 4.0 | .76 | .68 | .62 | .75 | .68 | .62 | .73 | .66 | .61 | .70 | .65 | .60 | .68 | .64 | .60 | .58 |
| 5.0 | .69 | .61 | .55 | .68 | .60 | .55 | .66 | .59 | .54 | .64 | .58 | .54 | .62 | .57 | .53 | .51 |
| 6.0 | .63 | .55 | .49 | .62 | .54 | .49 | .60 | .53 | .48 | .59 | .53 | .48 | .57 | .52 | .47 | .46 |
| 7.0 | .58 | .50 | .44 | .57 | .49 | .44 | .55 | .48 | .43 | .54 | .48 | .43 | .53 | .47 | .43 | .41 |
| 8.0 | .53 | .45 | .40 | .52 | .45 | .40 | .51 | .44 | .39 | .50 | .44 | .39 | .49 | .43 | .39 | .37 |
| 9.0 | .49 | .41 | .36 | .48 | .41 | .36 | .47 | .41 | .36 | .46 | .40 | .36 | .45 | .40 | .36 | .34 |
| 10.0 | .45 | .38 | .33 | .45 | .38 | .33 | .44 | .37 | .33 | .43 | .37 | .33 | .42 | .37 | .33 | .31 |



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:26DEG
 Operators:NEIKO
 Test Date:2016-11-05

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.350
 Humidity:60%
 Test Distance:12.218m [K=1.0000]
 Remarks: 80DEG

WEC AND CCEC

| | | |
|---|------------------|---------------------------|
| Test:U:219.8V I:0.6936A P:149.9W PF:0.9832 Lamp Flux:16928x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.:BLD20161105P27 |
| MFR.: | SUR.:0.08*0.22*3 | Shielding 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 | .262 | .149 | .047 | .255 | .146 | .046 | .242 | .139 | .044 | .230 | .133 | .043 | .219 | .127 | .041 | |
| 2.0 | .251 | .137 | .042 | .245 | .135 | .042 | .233 | .130 | .040 | .223 | .125 | .039 | .213 | .121 | .038 | |
| 3.0 | .235 | .125 | .038 | .230 | .123 | .037 | .220 | .119 | .036 | .211 | .116 | .035 | .202 | .112 | .035 | |
| 4.0 | .220 | .114 | .034 | .216 | .113 | .033 | .207 | .110 | .033 | .199 | .107 | .032 | .191 | .104 | .032 | |
| 5.0 | .206 | .105 | .030 | .202 | .104 | .030 | .194 | .101 | .030 | .187 | .099 | .029 | .180 | .096 | .029 | |
| 6.0 | .193 | .097 | .028 | .189 | .096 | .028 | .182 | .094 | .027 | .176 | .091 | .027 | .170 | .089 | .027 | |
| 7.0 | .181 | .090 | .025 | .178 | .089 | .025 | .172 | .087 | .025 | .166 | .085 | .025 | .161 | .083 | .025 | |
| 8.0 | .171 | .083 | .023 | .168 | .083 | .023 | .162 | .081 | .023 | .157 | .080 | .023 | .152 | .078 | .023 | |
| 9.0 | .161 | .078 | .022 | .158 | .077 | .022 | .153 | .076 | .021 | .149 | .075 | .021 | .144 | .073 | .021 | |
| 10.0 | .152 | .073 | .020 | .150 | .072 | .020 | .145 | .071 | .020 | .141 | .070 | .020 | .137 | .069 | .020 | |

| 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 | .191 | .191 | .191 | .163 | .163 | .163 | .111 | .111 | .111 | .064 | .064 | .064 | .020 | .020 | .020 | |
| 1.0 | .177 | .157 | .138 | .152 | .135 | .119 | .104 | .093 | .082 | .060 | .054 | .048 | .019 | .017 | .015 | |
| 2.0 | .167 | .132 | .103 | .143 | .114 | .089 | .098 | .079 | .062 | .057 | .046 | .037 | .018 | .015 | .012 | |
| 3.0 | .158 | .114 | .080 | .136 | .099 | .069 | .093 | .069 | .048 | .054 | .040 | .029 | .017 | .013 | .009 | |
| 4.0 | .150 | .101 | .063 | .129 | .087 | .055 | .089 | .061 | .039 | .051 | .036 | .023 | .016 | .012 | .007 | |
| 5.0 | .143 | .090 | .051 | .122 | .078 | .045 | .084 | .054 | .031 | .049 | .032 | .019 | .016 | .010 | .006 | |
| 6.0 | .136 | .081 | .042 | .117 | .070 | .037 | .080 | .049 | .026 | .047 | .029 | .016 | .015 | .009 | .005 | |
| 7.0 | .129 | .074 | .036 | .111 | .064 | .031 | .077 | .045 | .022 | .045 | .027 | .013 | .014 | .009 | .004 | |
| 8.0 | .123 | .068 | .031 | .106 | .059 | .027 | .073 | .042 | .019 | .043 | .025 | .011 | .014 | .008 | .004 | |
| 9.0 | .117 | .064 | .027 | .101 | .055 | .024 | .070 | .039 | .017 | .041 | .023 | .010 | .013 | .008 | .003 | |
| 10.0 | .112 | .059 | .024 | .097 | .051 | .021 | .067 | .036 | .015 | .039 | .021 | .009 | .013 | .007 | .003 | |

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:26DEG
 Operators:NEIKO
 Test Date:2016-11-05

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.350
 Humidity:60%
 Test Distance:12.218m [K=1.0000]
 Remarks: 80DEG

UGR(Unified Glare Rating) Table

| | | | | | | | | | | |
|---|------------------|------|------|------|------------------|----------------|------|---------------------------|------|------|
| Test:U:219.8V I:0.6936A P:149.9W PF:0.9832 Lamp Flux:16928x1 lm | | | | | | | | | | |
| NAME: | | | | | TYPE: | | | WEIGHT: | | |
| SPEC.: | | | | | DIM.: | | | SERIAL No.:BLD20161105P27 | | |
| MFR.: | | | | | SUR.:0.08*0.22*3 | | | 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 | 28.7 | 30.1 | 29.0 | 30.3 | 30.5 | 29.0 | 30.3 | 29.2 | 30.5 | 30.7 |
| 3H | 29.6 | 30.8 | 29.9 | 31.0 | 31.3 | 29.8 | 31.0 | 30.1 | 31.2 | 31.5 |
| 4H | 29.9 | 31.1 | 30.2 | 31.3 | 31.6 | 30.0 | 31.2 | 30.3 | 31.5 | 31.7 |
| 6H | 30.1 | 31.2 | 30.4 | 31.5 | 31.7 | 30.1 | 31.3 | 30.5 | 31.5 | 31.8 |
| 8H | 30.1 | 31.2 | 30.4 | 31.5 | 31.7 | 30.1 | 31.2 | 30.5 | 31.5 | 31.8 |
| 12H | 30.1 | 31.1 | 30.5 | 31.4 | 31.7 | 30.1 | 31.1 | 30.5 | 31.4 | 31.7 |
| 4H 2H | 29.1 | 30.3 | 29.4 | 30.6 | 30.8 | 29.3 | 30.5 | 29.7 | 30.8 | 31.0 |
| 3H | 30.2 | 31.2 | 30.5 | 31.5 | 31.8 | 30.3 | 31.4 | 30.7 | 31.6 | 31.9 |
| 4H | 30.6 | 31.6 | 31.0 | 31.9 | 32.2 | 30.7 | 31.7 | 31.1 | 32.0 | 32.3 |
| 6H | 30.9 | 31.8 | 31.3 | 32.1 | 32.5 | 31.0 | 31.8 | 31.3 | 32.1 | 32.5 |
| 8H | 31.0 | 31.8 | 31.4 | 32.1 | 32.5 | 31.0 | 31.8 | 31.4 | 32.1 | 32.5 |
| 12H | 31.1 | 31.8 | 31.5 | 32.1 | 32.5 | 31.0 | 31.7 | 31.4 | 32.1 | 32.5 |
| 8H 4H | 30.8 | 31.6 | 31.2 | 31.9 | 32.3 | 30.9 | 31.7 | 31.3 | 32.0 | 32.4 |
| 6H | 31.3 | 31.9 | 31.7 | 32.3 | 32.7 | 31.3 | 31.9 | 31.7 | 32.3 | 32.8 |
| 8H | 31.5 | 32.0 | 31.9 | 32.4 | 32.9 | 31.5 | 32.0 | 31.9 | 32.4 | 32.9 |
| 12H | 31.6 | 32.1 | 32.0 | 32.5 | 33.0 | 31.5 | 32.0 | 32.0 | 32.5 | 32.9 |
| 12H 4H | 30.8 | 31.5 | 31.2 | 31.9 | 32.3 | 30.9 | 31.6 | 31.3 | 32.0 | 32.4 |
| 6H | 31.3 | 31.9 | 31.8 | 32.3 | 32.8 | 31.4 | 31.9 | 31.8 | 32.4 | 32.8 |
| 8H | 31.6 | 32.0 | 32.0 | 32.5 | 33.0 | 31.6 | 32.0 | 32.0 | 32.5 | 33.0 |
| Variations with the observer position at spacings: | | | | | | | | | | |
| S = 1.0H | + 0.4 / - 0.5 | | | | | + 0.4 / - 0.5 | | | | |
| 1.5H | + 0.2 / - 0.4 | | | | | + 0.2 / - 0.3 | | | | |
| 2.0H | + 0.5 / - 0.8 | | | | | + 0.6 / - 0.8 | | | | |

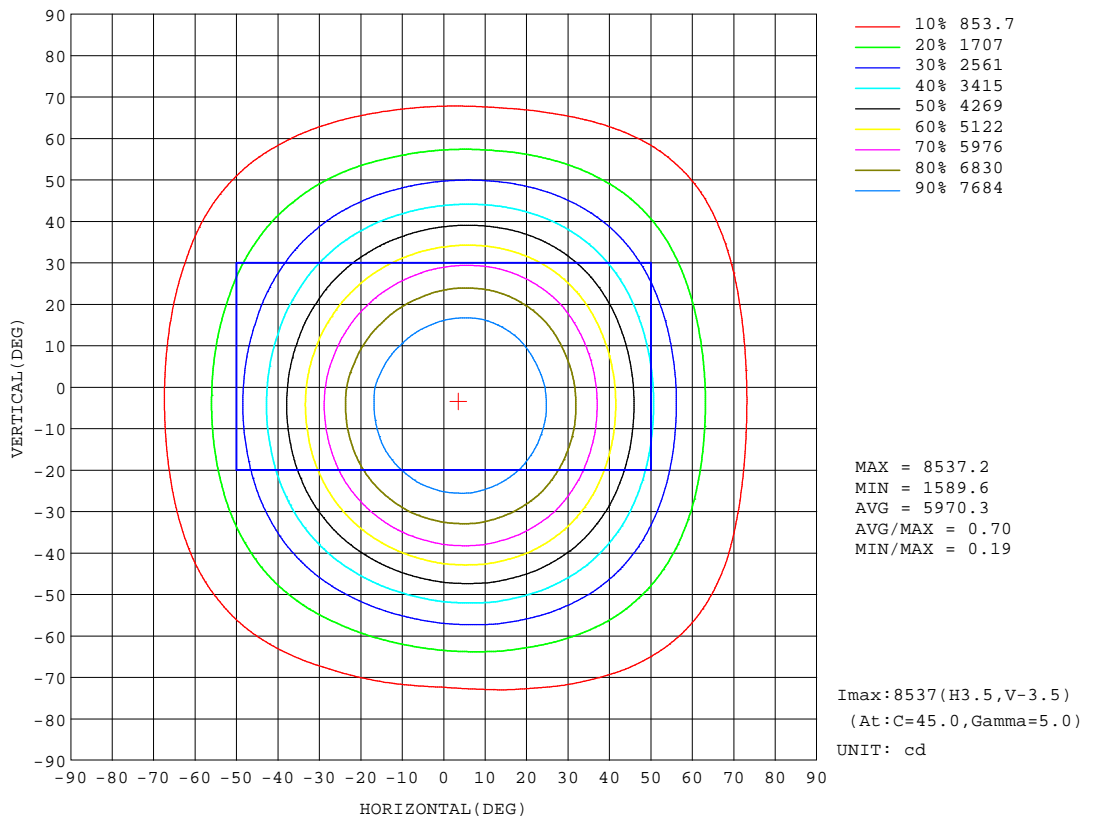
CIE Pub.117 Corrected 16928 lm Total Lamp Luminous Flux.(8log(F/F0) = 9.8)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:26DEG
Operators:NEIKO
Test Date:2016-11-05

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.350
Humidity:60%
Test Distance:12.218m [K=1.0000]
Remarks: 80DEG

ISOCANDELA DIAGRAM

| | | |
|---|------------------|---------------------------|
| Test:U:219.8V I:0.6936A P:149.9W PF:0.9832 Lamp Flux:16928x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.:BLD20161105P27 |
| MFR.: | SUR.:0.08*0.22*3 | Shielding Angle: |



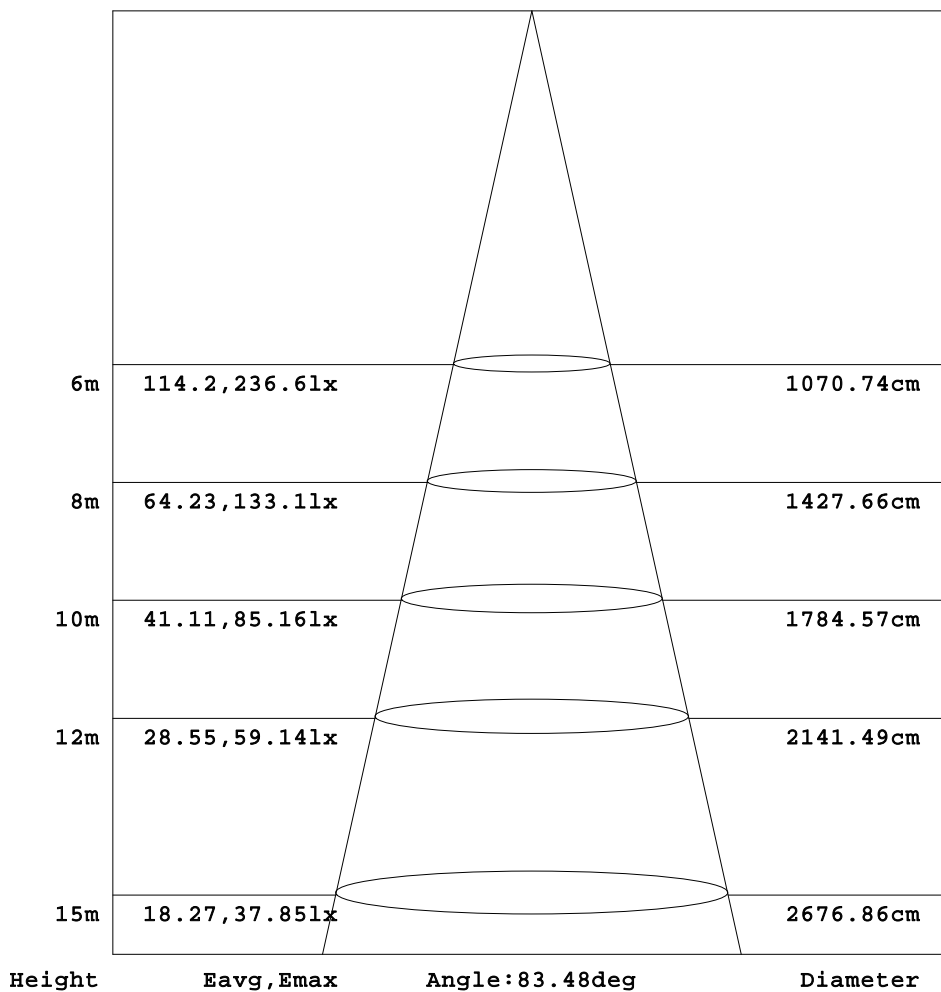
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:26DEG
 Operators:NEIKO
 Test Date:2016-11-05

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.350
 Humidity:60%
 Test Distance:12.218m [K=1.0000]
 Remarks: 80DEG

AAI Figure

| | | |
|---|------------------|---------------------------|
| Test:U:219.8V I:0.6936A P:149.9W PF:0.9832 Lamp Flux:16928x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.:BLD20161105P27 |
| MFR.: | SUR.:0.08*0.22*3 | Shielding Angle: |

Flux out:10470 lm



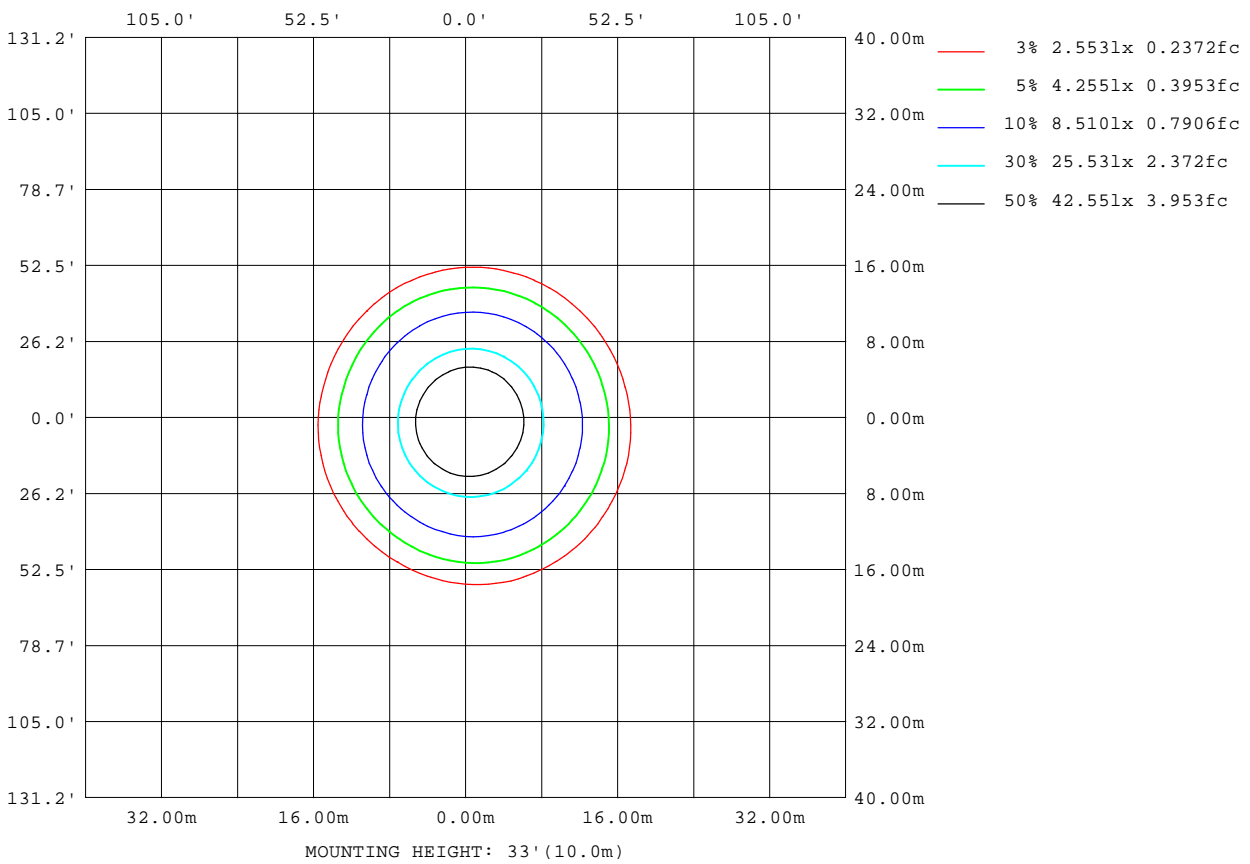
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:26DEG
 Operators:NEIKO
 Test Date:2016-11-05

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.350
 Humidity:60%
 Test Distance:12.218m [K=1.0000]
 Remarks: 80DEG

ISOLUX DIAGRAM

| | | |
|---|------------------|---------------------------|
| Test:U:219.8V I:0.6936A P:149.9W PF:0.9832 Lamp Flux:16928x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.:BLD20161105P27 |
| MFR.: | SUR.:0.08*0.22*3 | Shielding Angle: |



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 26DEG
 Operators: NEIKO
 Test Date: 2016-11-05

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.350
 Humidity: 60%
 Test Distance: 12.218m [K=1.0000]
 Remarks: 80DEG

LED Avg.L Report

| | | |
|---|------------------|---------------------------|
| Test:U:219.8V I:0.6936A P:149.9W PF:0.9832 Lamp Flux:16928x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.:BLD20161105P27 |
| MFR.: | SUR.:0.08*0.22*3 | Shielding Angle: |

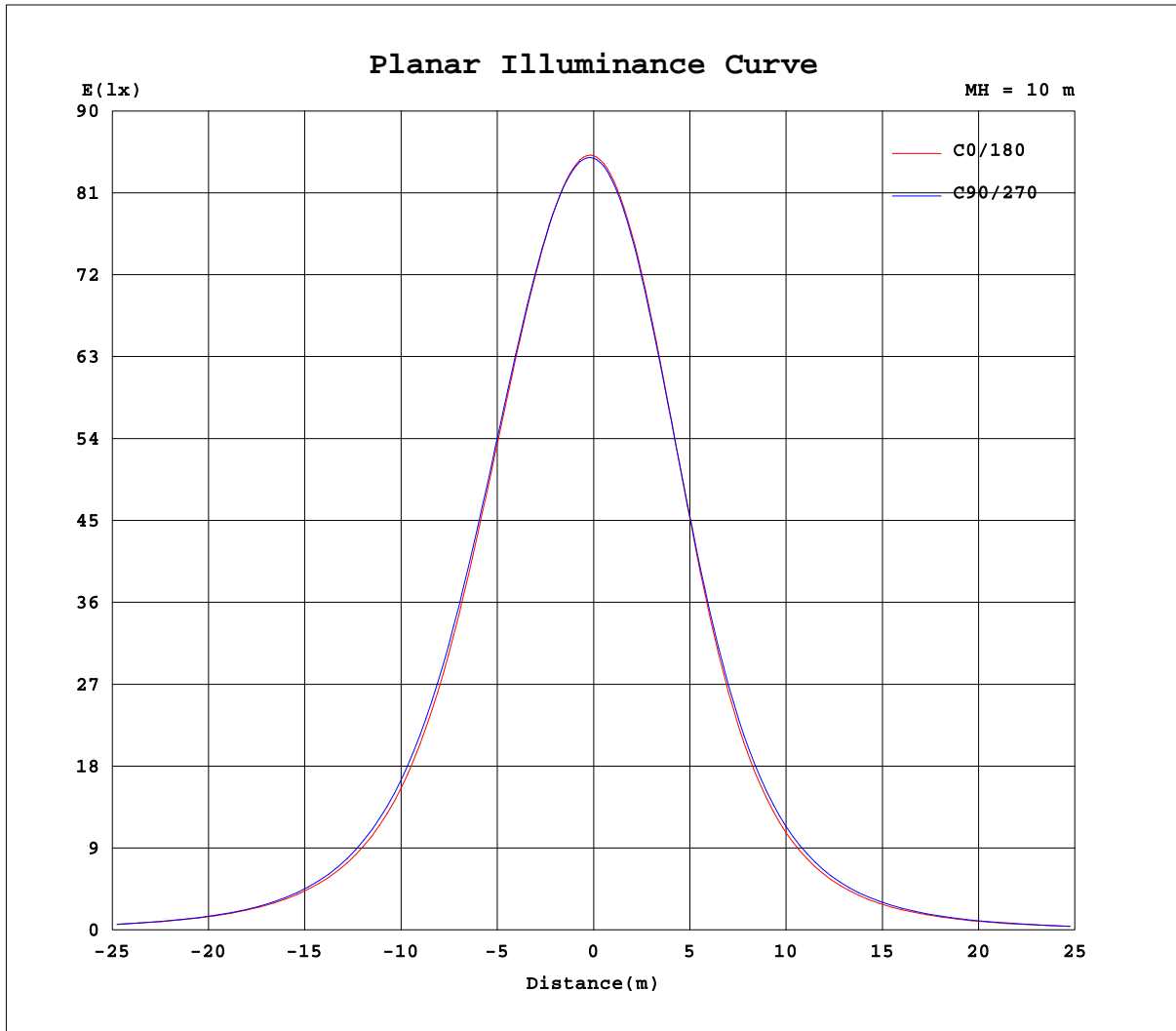
| AvgL | cd/m2 |
|----------------|-------|
| L_0~180(65)av | 56031 |
| L_0~180(75)av | 41790 |
| L_0~180(85)av | 23836 |
| L_90~270(65)av | 58000 |
| L_90~270(75)av | 37072 |
| L_90~270(85)av | 17764 |
| L_45(65)av | 55754 |
| L_45(75)av | 43959 |
| L_45(85)av | 28896 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 26DEG
 Operators: NEIKO
 Test Date: 2016-11-05

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.350
 Humidity: 60%
 Test Distance: 12.218m [K=1.0000]
 Remarks: 80DEG

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 26DEG
 Operators: NEIKO
 Test Date: 2016-11-05

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.350
 Humidity: 60%
 Test Distance: 12.218m [K=1.0000]
 Remarks: 80DEG

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|---|------------------|---------------------------|
| Test:U:219.8V I:0.6936A P:149.9W PF:0.9832 Lamp Flux:16928x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.:BLD20161105P27 |
| MFR.: | SUR.:0.08*0.22*3 | Shielding Angle: |

Table--1

UNIT: cd

| C(DEG) γ (DEG) | 0 | 15 | 30 | 45 | 60 | 75 | 90 | 105 | 120 | 135 | 150 | 165 | 180 | 195 | 210 | 225 | 240 | 255 | 270 |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0 | 8488 | 8488 | 8488 | 8488 | 8488 | 8488 | 8488 | 8488 | 8488 | 8488 | 8488 | 8488 | 8488 | 8488 | 8488 | 8488 | 8488 | 8488 | 8488 |
| 5 | 8501 | 8516 | 8524 | 8532 | 8528 | 8520 | 8509 | 8493 | 8473 | 8452 | 8428 | 8405 | 8384 | 8361 | 8351 | 8345 | 8346 | 8358 | 8377 |
| 10 | 8426 | 8454 | 8471 | 8484 | 8480 | 8473 | 8450 | 8421 | 8379 | 8331 | 8273 | 8221 | 8166 | 8114 | 8081 | 8065 | 8077 | 8099 | 8152 |
| 15 | 8264 | 8310 | 8337 | 8362 | 8358 | 8347 | 8311 | 8264 | 8188 | 8105 | 7999 | 7905 | 7806 | 7710 | 7655 | 7623 | 7646 | 7694 | 7784 |
| 20 | 8004 | 8073 | 8116 | 8152 | 8150 | 8131 | 8074 | 7993 | 7872 | 7739 | 7574 | 7426 | 7276 | 7134 | 7056 | 7021 | 7059 | 7134 | 7271 |
| 25 | 7611 | 7719 | 7781 | 7825 | 7822 | 7795 | 7710 | 7583 | 7399 | 7202 | 6971 | 6763 | 6567 | 6386 | 6297 | 6261 | 6322 | 6424 | 6605 |
| 30 | 7045 | 7198 | 7290 | 7350 | 7346 | 7305 | 7181 | 7001 | 6748 | 6484 | 6188 | 5927 | 5687 | 5506 | 5403 | 5395 | 5458 | 5595 | 5784 |
| 35 | 6277 | 6475 | 6604 | 6696 | 6693 | 6643 | 6476 | 6237 | 5919 | 5595 | 5278 | 4994 | 4756 | 4575 | 4487 | 4494 | 4577 | 4716 | 4912 |
| 40 | 5370 | 5573 | 5743 | 5855 | 5874 | 5801 | 5615 | 5322 | 4990 | 4651 | 4334 | 4065 | 3844 | 3680 | 3614 | 3639 | 3727 | 3859 | 4037 |
| 45 | 4405 | 4612 | 4788 | 4905 | 4941 | 4871 | 4672 | 4374 | 4040 | 3725 | 3446 | 3216 | 3027 | 2893 | 2846 | 2881 | 2963 | 3074 | 3226 |
| 50 | 3498 | 3682 | 3833 | 3944 | 3981 | 3925 | 3736 | 3453 | 3159 | 2900 | 2676 | 2493 | 2342 | 2229 | 2205 | 2233 | 2311 | 2391 | 2517 |
| 55 | 2708 | 2857 | 2977 | 3061 | 3090 | 3045 | 2875 | 2636 | 2395 | 2204 | 2036 | 1905 | 1793 | 1703 | 1685 | 1710 | 1774 | 1834 | 1929 |
| 60 | 2043 | 2167 | 2240 | 2304 | 2316 | 2281 | 2139 | 1957 | 1774 | 1637 | 1521 | 1434 | 1353 | 1277 | 1264 | 1280 | 1332 | 1382 | 1451 |
| 65 | 1514 | 1600 | 1642 | 1683 | 1681 | 1649 | 1546 | 1410 | 1276 | 1182 | 1105 | 1049 | 996 | 931 | 917 | 928 | 966 | 1003 | 1052 |
| 70 | 1084 | 1147 | 1164 | 1187 | 1176 | 1146 | 1062 | 982 | 891 | 831 | 780 | 747 | 706 | 660 | 650 | 657 | 674 | 696 | 713 |
| 75 | 710 | 784 | 797 | 812 | 806 | 749 | 635 | 659 | 624 | 584 | 555 | 500 | 436 | 455 | 463 | 464 | 471 | 453 | 382 |
| 80 | 352 | 460 | 531 | 546 | 551 | 419 | 279 | 400 | 432 | 367 | 358 | 268 | 211 | 268 | 285 | 279 | 318 | 258 | 170 |
| 85 | 134 | 205 | 263 | 198 | 282 | 187 | 89.0 | 182 | 155 | 103 | 133 | 108 | 86.6 | 109 | 113 | 94.6 | 113 | 116 | 75.1 |
| 90 | 34.6 | 44.3 | 39.4 | 25.7 | 19.6 | 14.4 | 7.67 | 8.69 | 9.09 | 10.0 | 11.5 | 14.3 | 13.7 | 11.5 | 9.80 | 8.23 | 8.10 | 7.29 | 6.61 |
| 95 | 3.77 | 3.78 | 4.77 | 6.44 | 8.72 | 9.48 | 9.36 | 9.51 | 8.38 | 6.64 | 5.52 | 5.26 | 3.60 | 3.72 | 4.26 | 5.48 | 6.95 | 8.08 | 7.78 |
| 100 | 4.88 | 4.79 | 4.74 | 5.52 | 7.28 | 8.08 | 7.49 | 8.25 | 7.32 | 6.49 | 6.40 | 6.66 | 4.62 | 4.85 | 5.08 | 5.36 | 6.33 | 7.32 | 6.79 |
| 105 | 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 |
| 110 | 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 |
| 115 | 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 |
| 120 | 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 |
| 125 | 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 |
| 130 | 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 |
| 135 | 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 |
| 140 | 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 |
| 145 | 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 |
| 150 | 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 |
| 155 | 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 |
| 160 | 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 |
| 165 | 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 |
| 170 | 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 |
| 175 | 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 |
| 180 | 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 |

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:26DEG
 Operators:NEIKO
 Test Date:2016-11-05

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.350
 Humidity:60%
 Test Distance:12.218m [K=1.0000]
 Remarks: 80DEG

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|---|------------------|---------------------------|
| Test:U:219.8V I:0.6936A P:149.9W PF:0.9832 Lamp Flux:16928x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.:BLD20161105P27 |
| MFR.: | SUR.:0.08*0.22*3 | Shielding Angle: |

Table--2

UNIT: cd

| C(DEG) γ (DEG) | 285 | 300 | 315 | 330 | 345 | | | | | | | | | | | | | | |
|-------------------|------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 0 | 8488 | 8488 | 8488 | 8488 | 8488 | | | | | | | | | | | | | | |
| 5 | 8395 | 8421 | 8444 | 8467 | 8488 | | | | | | | | | | | | | | |
| 10 | 8200 | 8264 | 8312 | 8360 | 8397 | | | | | | | | | | | | | | |
| 15 | 7879 | 7984 | 8074 | 8154 | 8213 | | | | | | | | | | | | | | |
| 20 | 7407 | 7569 | 7701 | 7825 | 7919 | | | | | | | | | | | | | | |
| 25 | 6781 | 6987 | 7167 | 7346 | 7484 | | | | | | | | | | | | | | |
| 30 | 6007 | 6247 | 6461 | 6686 | 6871 | | | | | | | | | | | | | | |
| 35 | 5137 | 5371 | 5613 | 5837 | 6069 | | | | | | | | | | | | | | |
| 40 | 4246 | 4471 | 4694 | 4913 | 5139 | | | | | | | | | | | | | | |
| 45 | 3402 | 3591 | 3781 | 3980 | 4186 | | | | | | | | | | | | | | |
| 50 | 2653 | 2802 | 2954 | 3121 | 3303 | | | | | | | | | | | | | | |
| 55 | 2018 | 2134 | 2244 | 2387 | 2540 | | | | | | | | | | | | | | |
| 60 | 1506 | 1584 | 1670 | 1782 | 1905 | | | | | | | | | | | | | | |
| 65 | 1076 | 1132 | 1202 | 1290 | 1393 | | | | | | | | | | | | | | |
| 70 | 727 | 769 | 828 | 896 | 981 | | | | | | | | | | | | | | |
| 75 | 444 | 513 | 551 | 604 | 660 | | | | | | | | | | | | | | |
| 80 | 226 | 339 | 376 | 401 | 407 | | | | | | | | | | | | | | |
| 85 | 110 | 170 | 138 | 190 | 194 | | | | | | | | | | | | | | |
| 90 | 9.62 | 14.7 | 16.9 | 30.4 | 35.2 | | | | | | | | | | | | | | |
| 95 | 7.52 | 6.60 | 5.22 | 3.48 | 2.69 | | | | | | | | | | | | | | |
| 100 | 6.84 | 5.80 | 4.39 | 3.79 | 3.45 | | | | | | | | | | | | | | |
| 105 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | |
| 110 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | |
| 115 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | |
| 120 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | |
| 125 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | |
| 130 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | |
| 135 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | |
| 140 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | |
| 145 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | |
| 150 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | |
| 155 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | |
| 160 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | |
| 165 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | |
| 170 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | |
| 175 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | |
| 180 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | |

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:26DEG
 Operators:NEIKO
 Test Date:2016-11-05

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.350
 Humidity:60%
 Test Distance:12.218m [K=1.0000]
 Remarks: 80DEG