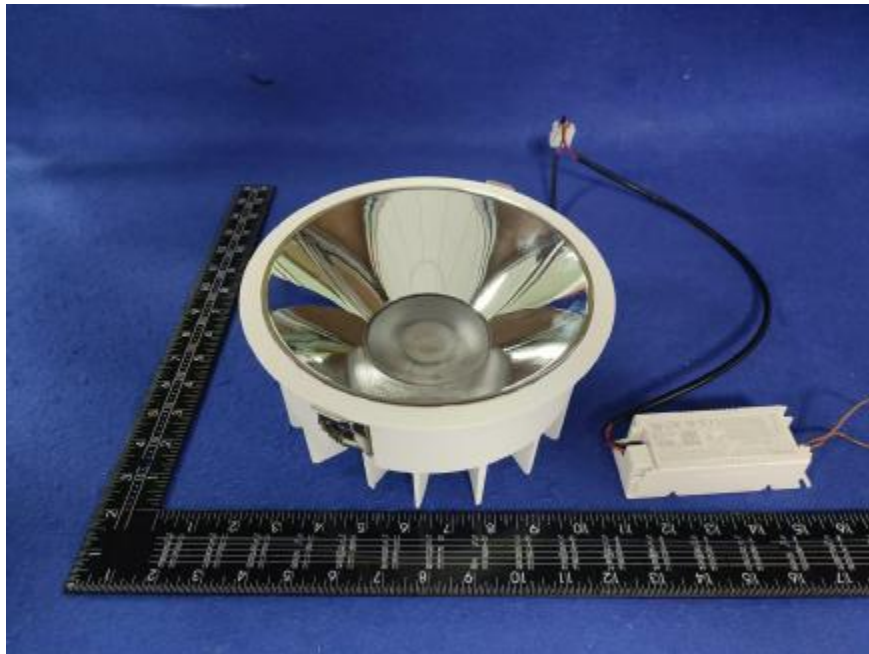


Luminaire Photograph



| | | |
|---------------------|---------|--------------------------|
| Light Output Ratio: | 71.8% | |
| Luminaire Power: | 54.12 W | |
| SHR Nominal: | 0.50 | Calculated using the TM5 |
| SHR Maximum: | 0.60 | fine grid method. |

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3 °C
Operators: zoe
Test Date: 2024-12-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.461
Humidity: 65.0%
Test Distance: 3.160m [K=1.0000]
Remarks: LAMP: BXRE-30G40TH-C-8X Ra: 90
LENS: 15R
DRIVER: LC 62/700-1400/54 flexC 1400mA
30minutes warm-up

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

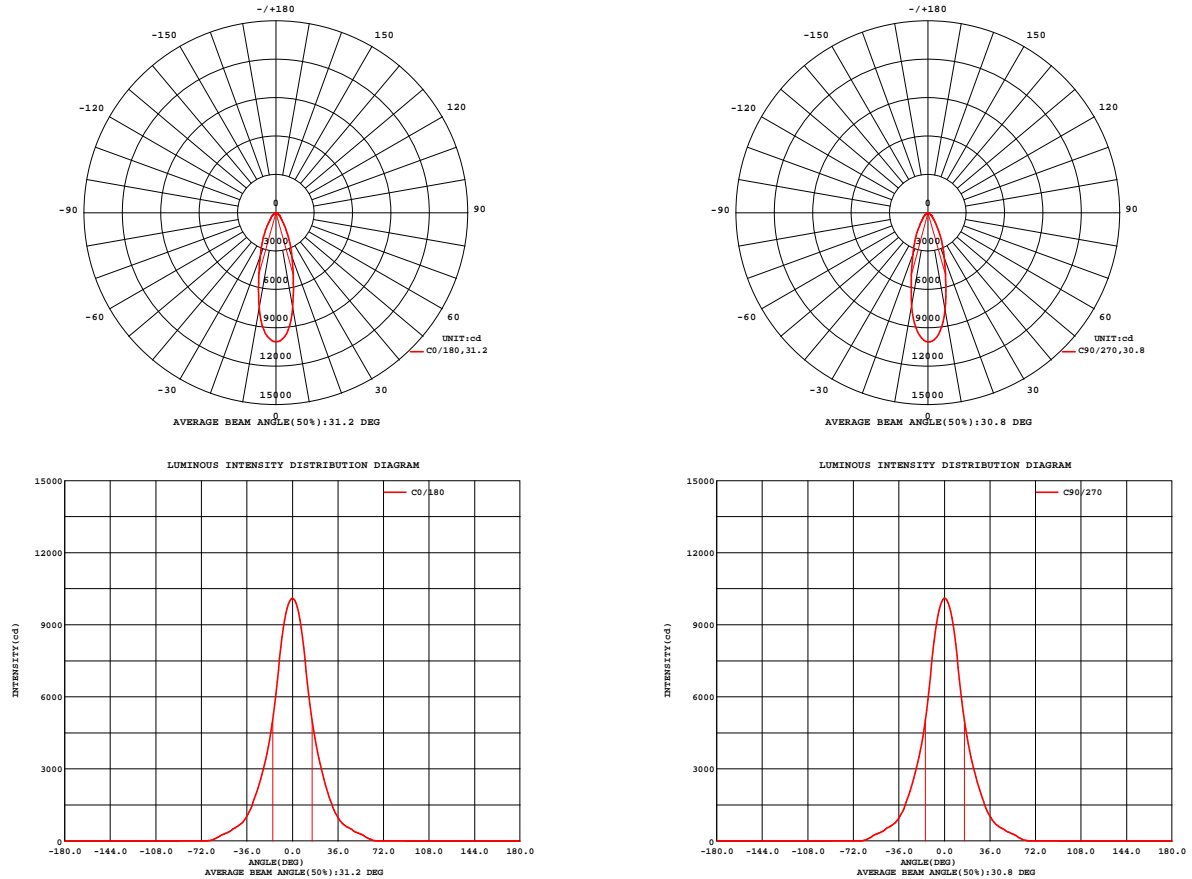


Fig. C0/C180

Fig. C90/C270

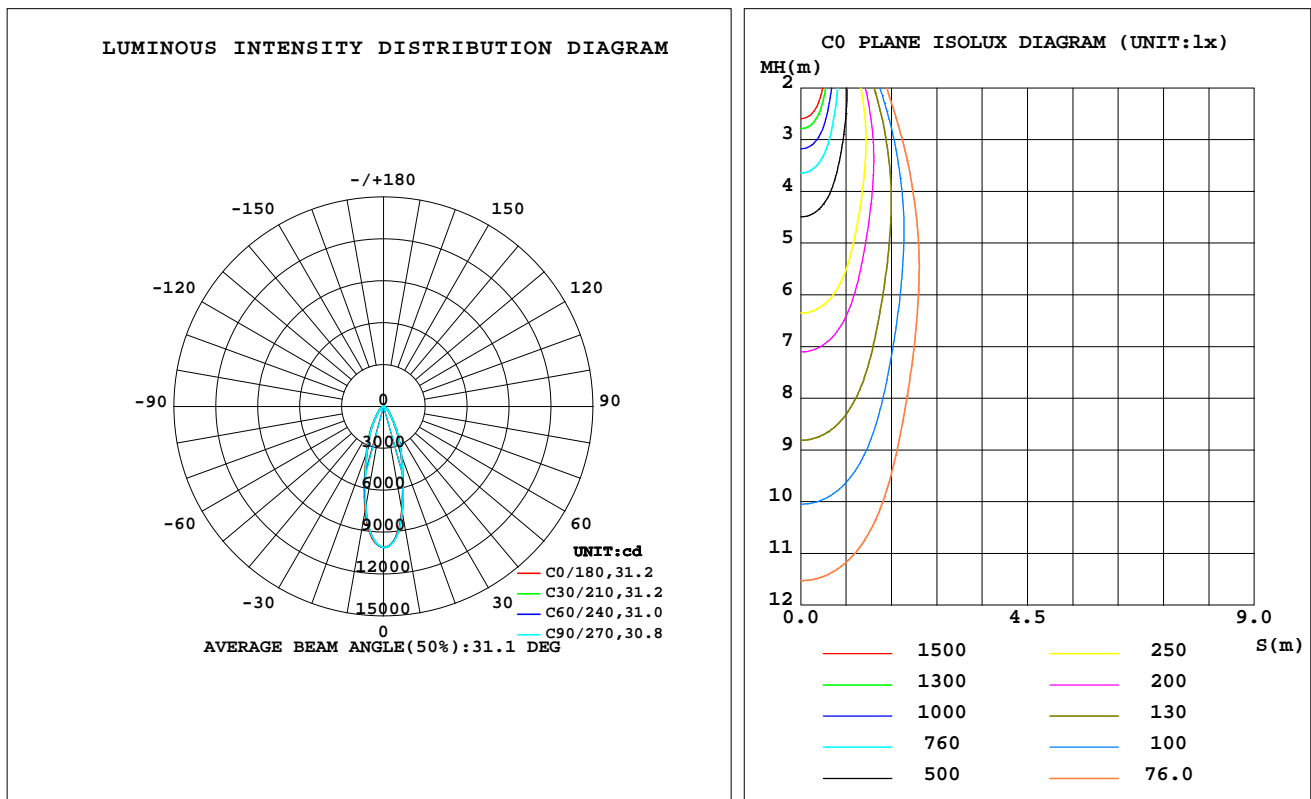
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2024-12-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:3.160m [K=1.0000]
Remarks: LAMP:BXRE-30G40TH-C-8X Ra:90
LENS:15R
DRIVER:LC 62/700-1400/54 flexC 1400mA
30minutes warm-up

LUMINAIRE PHOTOMETRIC TEST REPORT

| | | |
|---|--------------------|------------------------|
| Test:U:220.15V I:0.2509A P:54.119W PF:0.9777 Freq:49.99Hz Lamp Flux:6775.08x1 lm | | |
| NAME: 2418.142 | TYPE: | WEIGHT: |
| SPEC.: 3000K | DIM.: | SERIAL No.: 2412141461 |
| MFR.: RISE | SUR.: 0.02657696m2 | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 89.83 lm/W | | | |
|------------------|-----------|----------------------------------|--------|-------------------|----------|
| MODEL | Bridgelux | I _{max} (cd) | 10098 | S/MH(C0/180) | 0.51 |
| NOMINAL POWER(W) | 54 | LOR(%) | 71.8 | S/MH(C90/270) | 0.49 |
| RATED VOLTAGE(V) | 220 | TOTAL FLUX(lm) | 4861.4 | η UP,DN(C0-180) | 0.0,36.6 |
| NOMINAL FLUX(lm) | 6775.08 | CIE CLASS | DIRECT | η UP,DN(C180-360) | 0.0,35.1 |
| LAMPS INSIDE | 1 | η up(%) | 0.0 | CIBSE SHR NOM | 0.50 |
| TEST VOLTAGE(V) | 220 | η down(%) | 71.8 | CIBSE SHR MAX | 0.60 |



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2024-12-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:3.160m [K=1.0000]
Remarks: LAMP:BXRE-30G40TH-C-8X Ra:90
LENS:15R
DRIVER:LC 62/700-1400/54 flexC 1400mA
30minutes warm-up

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ | Φ zone | Φ total | %lum,lamp |
|----------|--------------------------|--------|--------|--------|--------|--------|--------|--------|----------|-------------|--------------|-----------|
| 10 | 755.3 | 771.7 | 772.3 | 775.3 | 759.9 | 740.9 | 736.0 | 739.0 | 0- 10 | 842.9 | 842.9 | 17.3,12.4 |
| 20 | 370.0 | 379.5 | 377.0 | 369.5 | 364.4 | 354.1 | 349.6 | 357.4 | 10- 20 | 1465 | 2308 | 47.5,34.1 |
| 30 | 168.7 | 179.1 | 178.9 | 176.9 | 174.7 | 167.0 | 161.3 | 163.8 | 20- 30 | 1176 | 3484 | 71.7,51.4 |
| 40 | 71.58 | 73.40 | 74.01 | 75.02 | 74.52 | 72.74 | 70.73 | 70.15 | 30- 40 | 700.0 | 4184 | 86.1,61.8 |
| 50 | 37.26 | 38.27 | 38.59 | 38.82 | 38.08 | 37.18 | 36.65 | 36.70 | 40- 50 | 417.6 | 4601 | 94.7,67.9 |
| 60 | 11.40 | 11.59 | 11.37 | 12.34 | 12.29 | 10.97 | 10.18 | 10.81 | 50- 60 | 227.4 | 4829 | 99.3,71.3 |
| 70 | 0.0830 | 0.0837 | 0.0495 | 0.1464 | 0.1423 | 0.0282 | 0.0242 | 0.0247 | 60- 70 | 32.08 | 4861 | 100,71.7 |
| 80 | 0.0309 | 0.0232 | 0.0253 | 0.0246 | 0.0264 | 0.0217 | 0.0247 | 0.0236 | 70- 80 | 0.3171 | 4861 | 100,71.8 |
| 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 80- 90 | 0.2311 | 4861 | 100,71.8 |
| 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 90-100 | 0 | 4861 | 100,71.8 |
| 110 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100-110 | 0 | 4861 | 100,71.8 |
| 120 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 110-120 | 0 | 4861 | 100,71.8 |
| 130 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 120-130 | 0 | 4861 | 100,71.8 |
| 140 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 130-140 | 0 | 4861 | 100,71.8 |
| 150 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 140-150 | 0 | 4861 | 100,71.8 |
| 160 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 150-160 | 0 | 4861 | 100,71.8 |
| 170 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 160-170 | 0 | 4861 | 100,71.8 |
| 180 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 170-180 | 0 | 4861 | 100,71.8 |
| DEG | LUMINOUS INTENSITY:X10cd | | | | | | | | | UNIT:lm | | |

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2024-12-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:3.160m [K=1.0000]
Remarks: LAMP:BXRE-30G40TH-C-8X Ra:90
LENS:15R
DRIVER:LC 62/700-1400/54 flexC 1400mA
30minutes warm-up

LUMINANCE LIMITATION CURVES

Test:U:220.15V I:0.2509A P:54.119W PF:0.9777 Freq:49.99Hz
Lamp Flux:6775.08x1 lm

NAME: 2418.142

TYPE:

WEIGHT:

SPEC.: 3000K

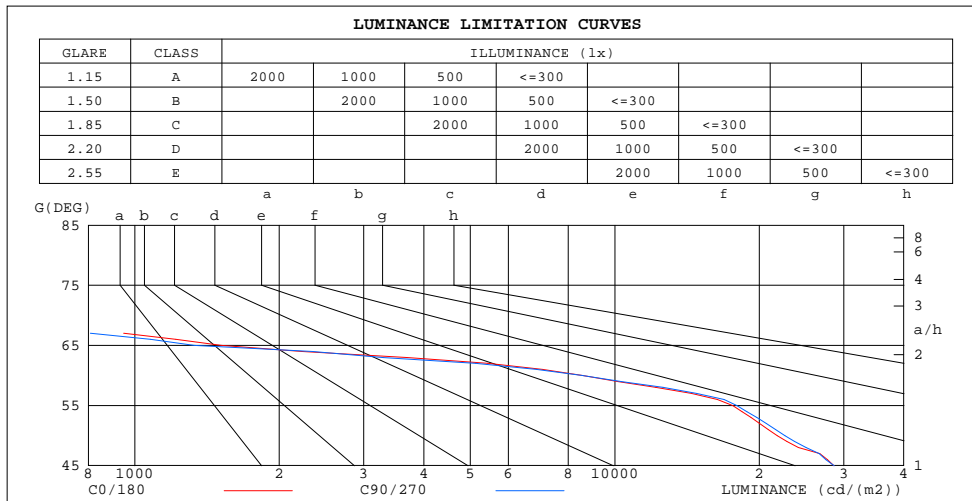
DIM.:

SERIAL No.: 2412141461

MFR.: RISE

SUR.: 0.02657696m2

Shielding Angle:



| LUMINANCE cd/(m2) | | |
|-------------------|--------|---------------------|
| G(180) | G(270) | LUMINANCE (cd/(m2)) |
| 85 | 148 | 111 |
| 80 | 67 | 55 |
| 75 | 54 | 50 |
| 70 | 91 | 54 |
| 65 | 1516 | 1331 |
| 60 | 8575 | 8557 |
| 55 | 17605 | 17971 |
| 50 | 21803 | 22595 |
| 45 | 28609 | 28634 |

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2024-12-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:3.160m [K=1.0000]
Remarks: LAMP:BXRE-30G40TH-C-8X Ra:90
LENS:15R
DRIVER:LC 62/700-1400/54 flexC 1400mA
30minutes warm-up

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.15V I:0.2509A P:54.119W PF:0.9777 Freq:49.99Hz
Lamp Flux:6775.08x1 lm

NAME: 2418.142

TYPE:

WEIGHT:

SPEC.: 3000K

DIM.:

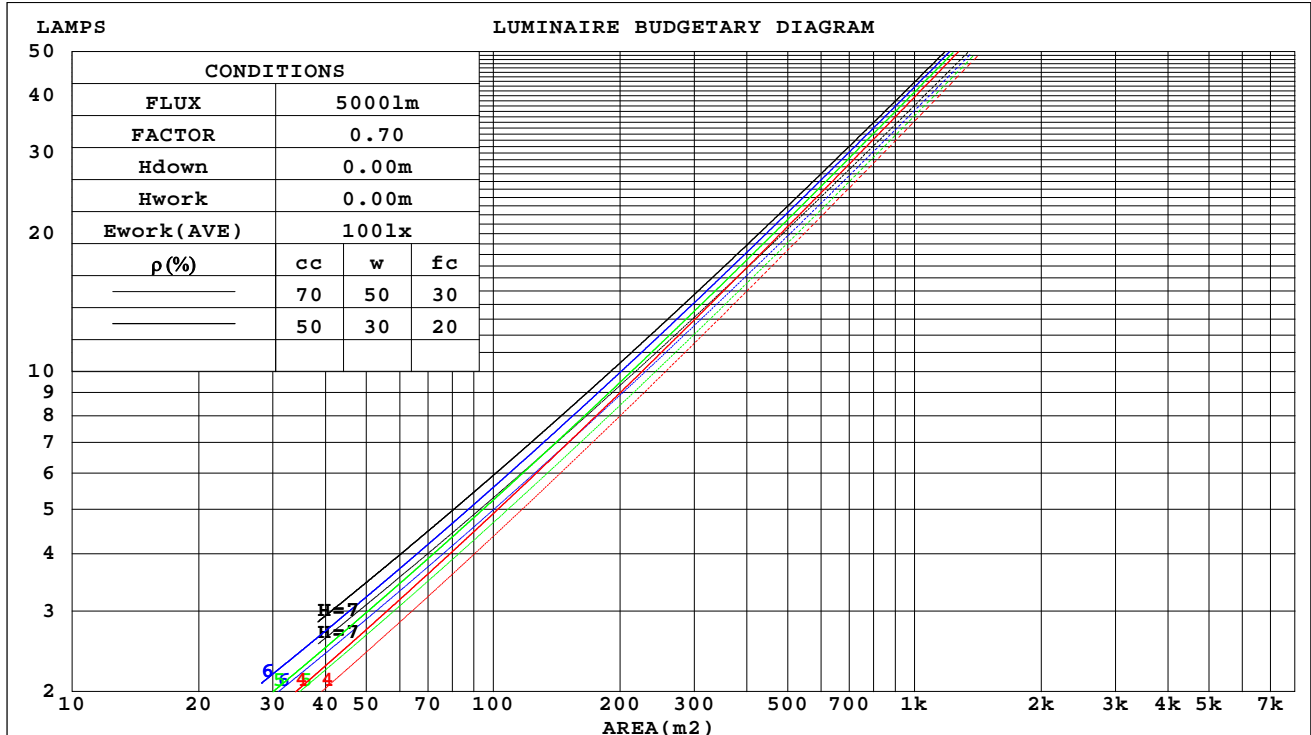
SERIAL No.: 2412141461

MFR.: RISE

SUR.: 0.02657696m2

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



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2024-12-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:3.160m [K=1.0000]
Remarks: LAMP:BXRE-30G40TH-C-8X Ra:90
LENS:15R
DRIVER:LC 62/700-1400/54 flexC 1400mA
30minutes warm-up



WEC AND CCEC

| | | |
|---|--------------------|------------------------|
| Test:U:220.15V I:0.2509A P:54.119W PF:0.9777 Freq:49.99Hz Lamp Flux:6775.08x1 lm | | |
| NAME: 2418.142 | TYPE: | WEIGHT: |
| SPEC.: 3000K | DIM.: | SERIAL No.: 2412141461 |
| MFR.: RISE | SUR.: 0.02657696m2 | 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 | .126 | .072 | .023 | .121 | .069 | .022 | .112 | .064 | .021 | .104 | .060 | .019 | .096 | .056 | .018 | |
| 2.0 | .121 | .066 | .020 | .117 | .064 | .020 | .109 | .061 | .019 | .102 | .057 | .018 | .096 | .054 | .017 | |
| 3.0 | .115 | .061 | .018 | .112 | .060 | .018 | .105 | .057 | .017 | .099 | .054 | .017 | .094 | .052 | .016 | |
| 4.0 | .110 | .057 | .017 | .107 | .056 | .016 | .101 | .054 | .016 | .096 | .051 | .016 | .091 | .049 | .015 | |
| 5.0 | .104 | .053 | .015 | .102 | .052 | .015 | .097 | .050 | .015 | .092 | .049 | .014 | .088 | .047 | .014 | |
| 6.0 | .099 | .050 | .014 | .097 | .049 | .014 | .092 | .047 | .014 | .088 | .046 | .014 | .085 | .045 | .013 | |
| 7.0 | .094 | .047 | .013 | .092 | .046 | .013 | .088 | .045 | .013 | .085 | .044 | .013 | .082 | .042 | .012 | |
| 8.0 | .090 | .044 | .012 | .088 | .043 | .012 | .085 | .042 | .012 | .082 | .041 | .012 | .079 | .040 | .012 | |
| 9.0 | .086 | .041 | .012 | .084 | .041 | .012 | .081 | .040 | .011 | .078 | .039 | .011 | .076 | .038 | .011 | |
| 10.0 | .082 | .039 | .011 | .081 | .039 | .011 | .078 | .038 | .011 | .075 | .037 | .011 | .073 | .037 | .011 | |

| 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 | .137 | .137 | .137 | .117 | .117 | .117 | .080 | .080 | .080 | .046 | .046 | .046 | .015 | .015 | .015 | |
| 1.0 | .123 | .113 | .104 | .105 | .097 | .090 | .072 | .067 | .062 | .041 | .039 | .036 | .013 | .012 | .012 | |
| 2.0 | .112 | .095 | .081 | .096 | .082 | .070 | .066 | .057 | .049 | .038 | .033 | .029 | .012 | .011 | .009 | |
| 3.0 | .103 | .081 | .064 | .088 | .070 | .056 | .061 | .049 | .039 | .035 | .029 | .023 | .011 | .009 | .008 | |
| 4.0 | .095 | .071 | .052 | .082 | .061 | .045 | .056 | .043 | .032 | .033 | .025 | .019 | .010 | .008 | .006 | |
| 5.0 | .089 | .063 | .043 | .077 | .054 | .037 | .053 | .038 | .026 | .031 | .022 | .016 | .010 | .007 | .005 | |
| 6.0 | .084 | .056 | .036 | .072 | .048 | .031 | .050 | .034 | .022 | .029 | .020 | .013 | .009 | .007 | .004 | |
| 7.0 | .079 | .050 | .030 | .068 | .044 | .027 | .047 | .031 | .019 | .027 | .018 | .011 | .009 | .006 | .004 | |
| 8.0 | .075 | .046 | .026 | .064 | .040 | .023 | .044 | .028 | .016 | .026 | .016 | .010 | .008 | .005 | .003 | |
| 9.0 | .071 | .042 | .023 | .061 | .037 | .020 | .042 | .026 | .014 | .025 | .015 | .008 | .008 | .005 | .003 | |
| 10.0 | .067 | .039 | .020 | .058 | .034 | .017 | .040 | .024 | .012 | .024 | .014 | .007 | .008 | .005 | .002 | |

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2024-12-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:3.160m [K=1.0000]
Remarks: LAMP:BXRE-30G40TH-C-8X Ra:90
LENS:15R
DRIVER:LC 62/700-1400/54 flexC 1400mA
30minutes warm-up

UGR(Unified Glare Rating) Table

| | | | | | | | | | | |
|---|------------------|------|------|------|--------------------|----------------|------|------------------------|------|------|
| Test:U:220.15V I:0.2509A P:54.119W PF:0.9777 Freq:49.99Hz Lamp Flux:6775.08x1 lm | | | | | | | | | | |
| NAME: 2418.142 | | | | | TYPE: | | | WEIGHT: | | |
| SPEC.: 3000K | | | | | DIM.: | | | SERIAL No.: 2412141461 | | |
| MFR.: RISE | | | | | SUR.: 0.02657696m2 | | | 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 | 12.8 | 13.7 | 13.0 | 13.9 | 14.1 | 12.9 | 13.8 | 13.1 | 14.0 | 14.1 |
| 3H | 12.6 | 13.5 | 12.9 | 13.7 | 13.9 | 12.7 | 13.6 | 13.0 | 13.8 | 14.0 |
| 4H | 12.5 | 13.4 | 12.8 | 13.6 | 13.8 | 12.6 | 13.4 | 12.9 | 13.7 | 13.9 |
| 6H | 12.5 | 13.2 | 12.8 | 13.5 | 13.7 | 12.5 | 13.3 | 12.8 | 13.5 | 13.8 |
| 8H | 12.4 | 13.1 | 12.7 | 13.4 | 13.7 | 12.5 | 13.2 | 12.8 | 13.5 | 13.7 |
| 12H | 12.4 | 13.1 | 12.7 | 13.3 | 13.6 | 12.4 | 13.1 | 12.8 | 13.4 | 13.7 |
| 4H 2H | 12.7 | 13.5 | 13.0 | 13.7 | 13.9 | 12.8 | 13.6 | 13.0 | 13.8 | 14.0 |
| 3H | 12.5 | 13.2 | 12.8 | 13.5 | 13.8 | 12.6 | 13.3 | 12.9 | 13.6 | 13.8 |
| 4H | 12.4 | 13.1 | 12.8 | 13.4 | 13.7 | 12.5 | 13.1 | 12.8 | 13.4 | 13.7 |
| 6H | 12.3 | 12.9 | 12.7 | 13.2 | 13.6 | 12.4 | 13.0 | 12.8 | 13.3 | 13.6 |
| 8H | 12.3 | 12.8 | 12.7 | 13.1 | 13.5 | 12.3 | 12.9 | 12.7 | 13.2 | 13.6 |
| 12H | 12.2 | 12.7 | 12.6 | 13.1 | 13.5 | 12.3 | 12.8 | 12.7 | 13.1 | 13.5 |
| 8H 4H | 12.3 | 12.8 | 12.7 | 13.1 | 13.5 | 12.3 | 12.9 | 12.7 | 13.2 | 13.6 |
| 6H | 12.2 | 12.6 | 12.6 | 13.0 | 13.4 | 12.2 | 12.7 | 12.7 | 13.1 | 13.5 |
| 8H | 12.1 | 12.5 | 12.6 | 12.9 | 13.4 | 12.2 | 12.6 | 12.6 | 13.0 | 13.4 |
| 12H | 12.1 | 12.4 | 12.5 | 12.8 | 13.3 | 12.1 | 12.5 | 12.6 | 12.9 | 13.4 |
| 12H 4H | 12.2 | 12.7 | 12.6 | 13.1 | 13.5 | 12.3 | 12.8 | 12.7 | 13.1 | 13.5 |
| 6H | 12.1 | 12.5 | 12.6 | 12.9 | 13.4 | 12.2 | 12.6 | 12.6 | 13.0 | 13.4 |
| 8H | 12.1 | 12.4 | 12.5 | 12.8 | 13.3 | 12.1 | 12.5 | 12.6 | 12.9 | 13.4 |
| Variations with the observer position at spacings(CIE Pub.117): | | | | | | | | | | |
| S = 1.0H | + 1.5 / - 2.6 | | | | | + 1.6 / - 2.6 | | | | |
| 1.5H | + 1.3 / - 1.1 | | | | | + 1.6 / - 0.9 | | | | |
| 2.0H | + 3.2 / -11.3 | | | | | + 3.1 / -12.1 | | | | |

CIE Pub.117, 6775 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 6.6)
Area: 0.026577 m2

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2024-12-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:3.160m [K=1.0000]
Remarks: LAMP:BXRE-30G40TH-C-8X Ra:90
LENS:15R
DRIVER:LC 62/700-1400/54 flexC 1400mA
30minutes warm-up

UTILIZATION FACTORS TABLE

| | | |
|---|--------------------|------------------------|
| Test:U:220.15V I:0.2509A P:54.119W PF:0.9777 Freq:49.99Hz Lamp Flux:6775.08x1 lm | | |
| NAME: 2418.142 | TYPE: | WEIGHT: |
| SPEC.: 3000K | DIM.: | SERIAL No.: 2412141461 |
| MFR.: RISE | SUR.: 0.02657696m2 | Shielding Angle: |

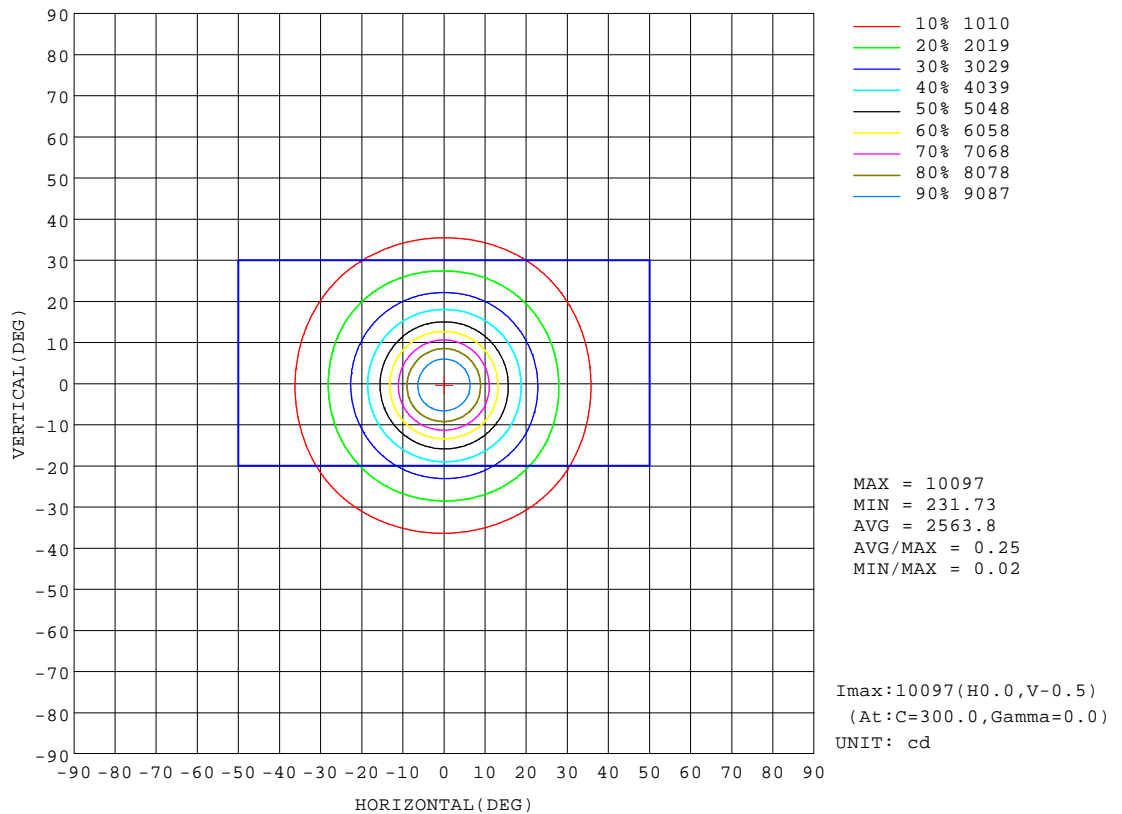
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|---|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 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 | 59 | 54 | 51 | 59 | 54 | 51 | 58 | 54 | 51 | 48 |
| 0.80 | 65 | 60 | 57 | 65 | 60 | 57 | 64 | 60 | 57 | 54 |
| 1.00 | 69 | 65 | 62 | 68 | 64 | 61 | 67 | 64 | 61 | 58 |
| 1.25 | 72 | 68 | 66 | 72 | 68 | 65 | 70 | 67 | 65 | 61 |
| 1.50 | 75 | 71 | 68 | 74 | 70 | 68 | 72 | 69 | 67 | 64 |
| 2.00 | 77 | 74 | 71 | 76 | 73 | 71 | 74 | 72 | 70 | 66 |
| 2.50 | 78 | 75 | 73 | 77 | 74 | 72 | 75 | 73 | 71 | 67 |
| 3.00 | 80 | 77 | 75 | 78 | 76 | 74 | 76 | 74 | 72 | 68 |
| 4.00 | 81 | 79 | 77 | 80 | 78 | 76 | 77 | 75 | 74 | 69 |
| 5.00 | 82 | 80 | 79 | 80 | 79 | 78 | 78 | 76 | 75 | 70 |
| ROOM INDEX | UF(total) | | | | | | | | | Direct |
| According to DIN EN 13032-2 2004 | | | Suspended | | | | | SHRNOM = 1.25 | | |

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2024-12-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:3.160m [K=1.0000]
Remarks: LAMP:BXRE-30G40TH-C-8X Ra:90
LENS:15R
DRIVER:LC 62/700-1400/54 flexC 1400mA
30minutes warm-up

ISOCANDELA DIAGRAM

| | | |
|---|--------------------|------------------------|
| Test:U:220.15V I:0.2509A P:54.119W PF:0.9777 Freq:49.99Hz Lamp Flux:6775.08x1 lm | | |
| NAME: 2418.142 | TYPE: | WEIGHT: |
| SPEC.: 3000K | DIM.: | SERIAL No.: 2412141461 |
| MFR.: RISE | SUR.: 0.02657696m2 | Shielding Angle: |

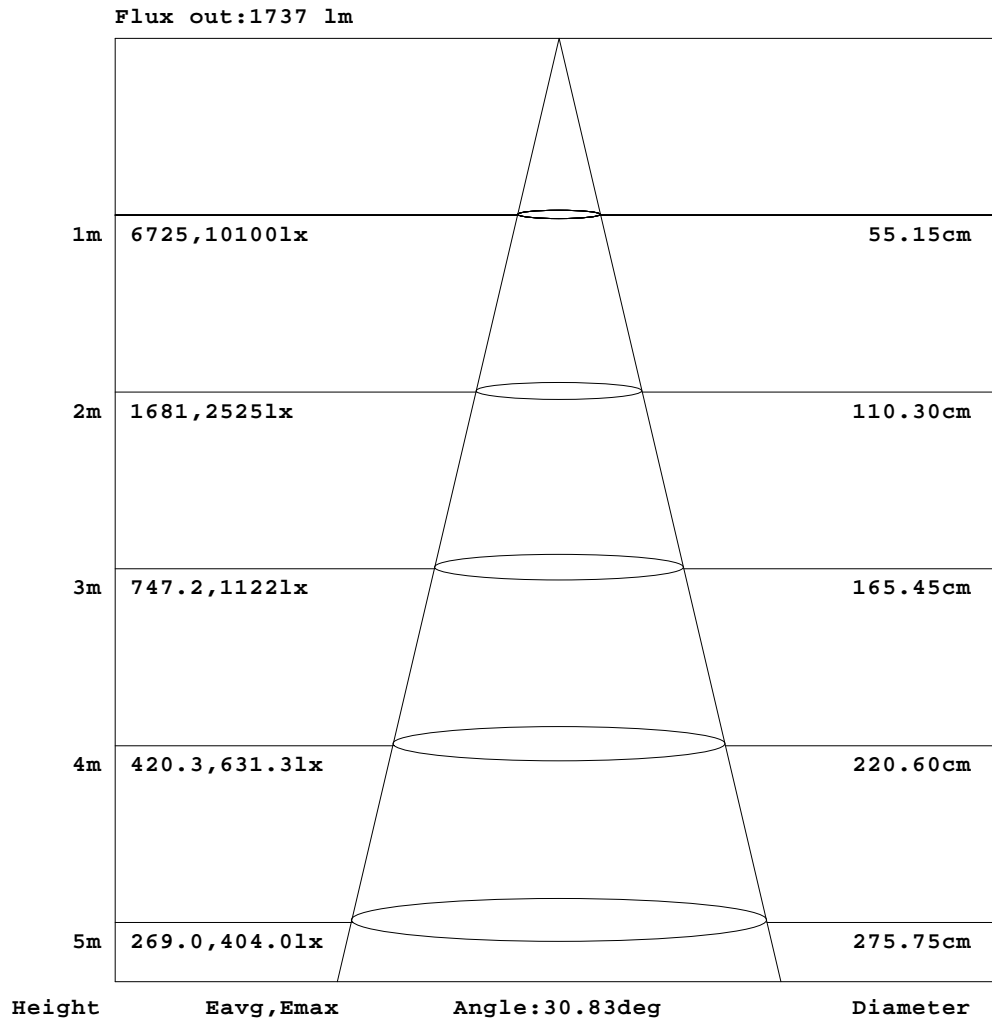


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2024-12-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:3.160m [K=1.0000]
Remarks: LAMP:BXRE-30G40TH-C-8X Ra:90
LENS:15R
DRIVER:LC 62/700-1400/54 flexC 1400mA
30minutes warm-up

AAI Figure

| | | |
|---|--------------------|------------------------|
| Test:U:220.15V I:0.2509A P:54.119W PF:0.9777 Freq:49.99Hz Lamp Flux:6775.08x1 lm | | |
| NAME: 2418.142 | TYPE: | WEIGHT: |
| SPEC.: 3000K | DIM.: | SERIAL No.: 2412141461 |
| MFR.: RISE | SUR.: 0.02657696m2 | Shielding Angle: |



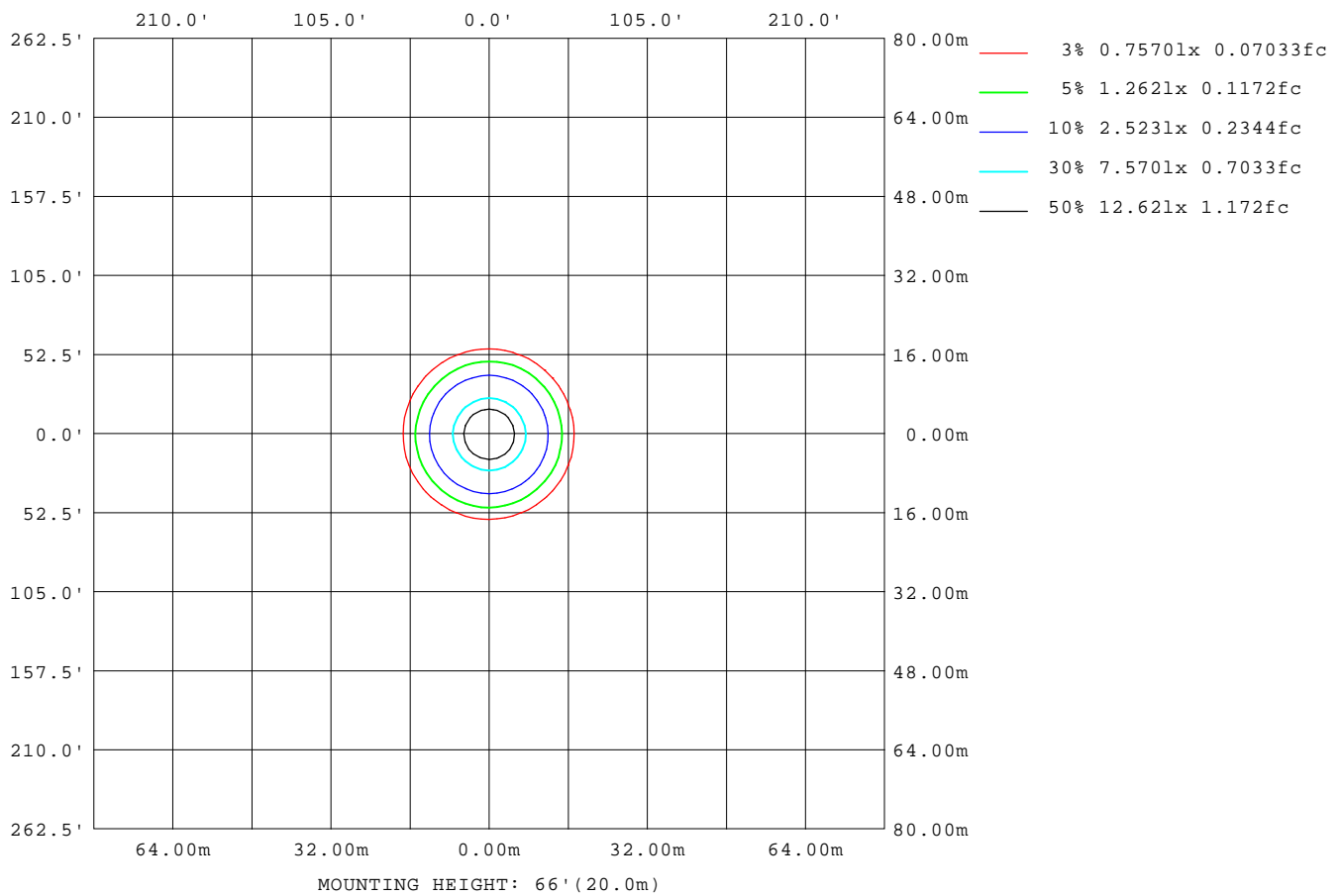
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2024-12-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:3.160m [K=1.0000]
Remarks: LAMP:BXRE-30G40TH-C-8X Ra:90
LENS:15R
DRIVER:LC 62/700-1400/54 flexC 1400mA
30minutes warm-up

ISOLUX DIAGRAM

| | | |
|---|--------------------|------------------------|
| Test:U:220.15V I:0.2509A P:54.119W PF:0.9777 Freq:49.99Hz Lamp Flux:6775.08x1 lm | | |
| NAME: 2418.142 | TYPE: | WEIGHT: |
| SPEC.: 3000K | DIM.: | SERIAL No.: 2412141461 |
| MFR.: RISE | SUR.: 0.02657696m2 | Shielding Angle: |



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2024-12-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:3.160m [K=1.0000]
Remarks: LAMP:BXRE-30G40TH-C-8X Ra:90
LENS:15R
DRIVER:LC 62/700-1400/54 flexC 1400mA
30minutes warm-up

LED Avg.L Report

| | | |
|---|--------------------|------------------------|
| Test:U:220.15V I:0.2509A P:54.119W PF:0.9777 Freq:49.99Hz Lamp Flux:6775.08x1 lm | | |
| NAME: 2418.142 | TYPE: | WEIGHT: |
| SPEC.: 3000K | DIM.: | SERIAL No.: 2412141461 |
| MFR.: RISE | SUR.: 0.02657696m2 | Shielding Angle: |

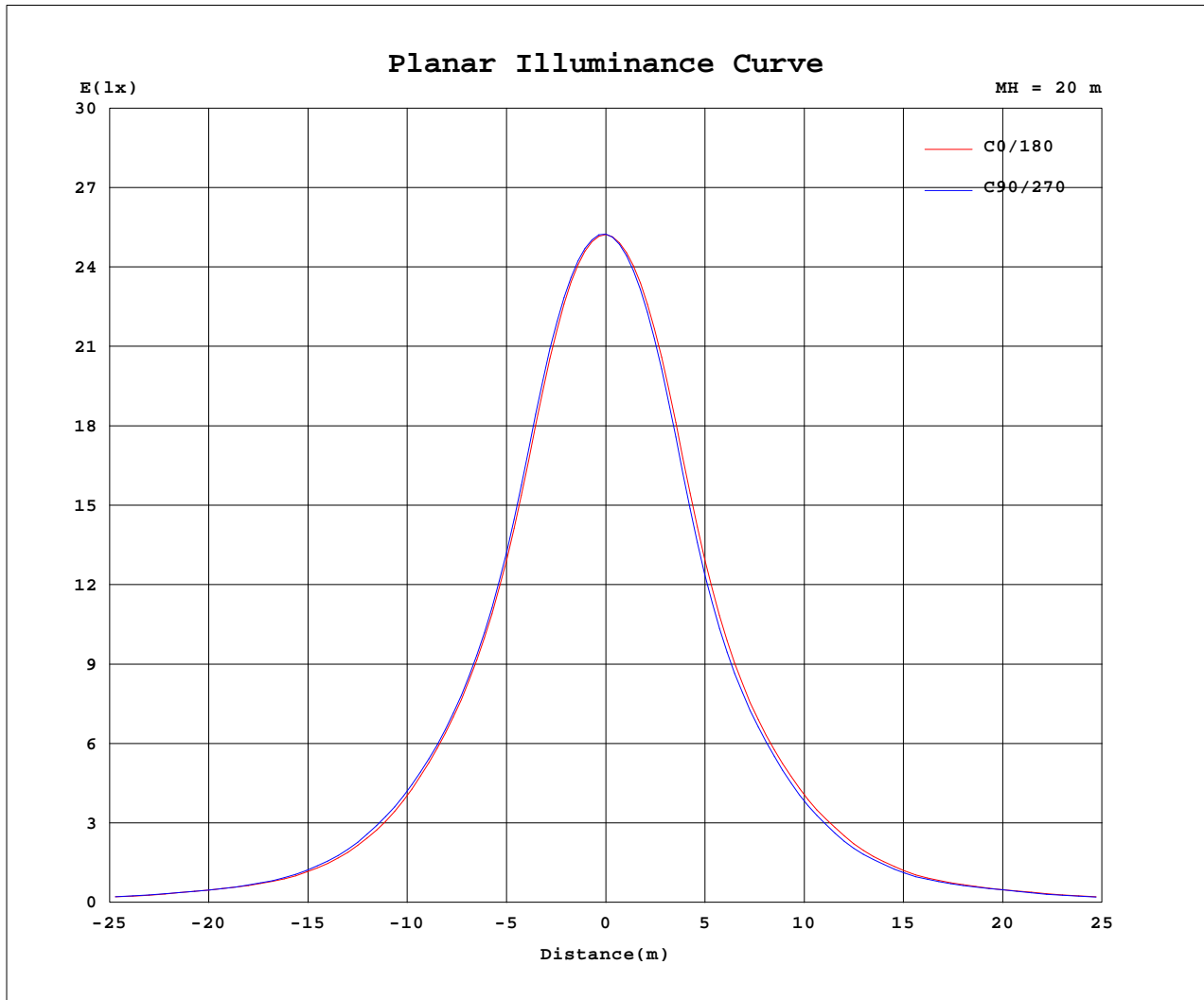
| AvgL | cd/m2 |
|----------------|-------|
| L_0~180(65)av | 1743 |
| L_0~180(75)av | 43 |
| L_0~180(85)av | 140 |
| L_90~270(65)av | 1253 |
| L_90~270(75)av | 41 |
| L_90~270(85)av | 111 |
| L_45(65)av | 1557 |
| L_45(75)av | 37 |
| L_45(85)av | 107 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2024-12-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:3.160m [K=1.0000]
Remarks: LAMP:BXRE-30G40TH-C-8X Ra:90
LENS:15R
DRIVER:LC 62/700-1400/54 flexC 1400mA
30minutes warm-up

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3 °C
 Operators: zoe
 Test Date: 2024-12-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.461
 Humidity: 65.0%
 Test Distance: 3.160m [K=1.0000]
 Remarks: LAMP: BXRE-30G40TH-C-8X Ra:90
 LENS: 15R
 DRIVER: LC 62/700-1400/54 flexC 1400mA
 30minutes warm-up



LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|---|--------------------|------------------------|
| Test:U:220.15V I:0.2509A P:54.119W PF:0.9777 Freq:49.99Hz Lamp Flux:6775.08x1 lm | | |
| NAME: 2418.142 | TYPE: | WEIGHT: |
| SPEC.: 3000K | DIM.: | SERIAL No.: 2412141461 |
| MFR.: RISE | SUR.: 0.02657696m2 | Shielding Angle: |

Table--1

UNIT: X10cd

| C(DEG) γ (DEG) | 0 | 30 | 60 | 90 | 120 | 150 | 180 | 210 | 240 | 270 | 300 | 330 | | | | | | |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|--|--|--|--|
| 0 | 1010 | 1010 | 1010 | 1010 | 1010 | 1010 | 1010 | 1010 | 1010 | 1010 | 1010 | 1010 | | | | | | |
| 5 | 949 | 953 | 954 | 955 | 956 | 954 | 947 | 939 | 937 | 937 | 939 | 943 | | | | | | |
| 10 | 755 | 772 | 772 | 772 | 776 | 774 | 760 | 744 | 737 | 736 | 736 | 742 | | | | | | |
| 15 | 528 | 543 | 541 | 539 | 537 | 532 | 526 | 514 | 508 | 503 | 508 | 516 | | | | | | |
| 20 | 370 | 379 | 380 | 377 | 372 | 367 | 364 | 356 | 352 | 350 | 354 | 360 | | | | | | |
| 25 | 257 | 266 | 268 | 265 | 263 | 258 | 257 | 253 | 248 | 243 | 246 | 248 | | | | | | |
| 30 | 169 | 178 | 180 | 179 | 178 | 176 | 175 | 170 | 164 | 161 | 163 | 164 | | | | | | |
| 35 | 108 | 111 | 112 | 115 | 113 | 114 | 113 | 107 | 104 | 105 | 105 | 105 | | | | | | |
| 40 | 71.6 | 73.3 | 73.5 | 74.0 | 74.7 | 75.3 | 74.5 | 73.5 | 72.0 | 70.7 | 70.4 | 69.9 | | | | | | |
| 45 | 53.8 | 55.0 | 54.1 | 53.8 | 54.3 | 55.3 | 55.6 | 55.5 | 55.2 | 54.8 | 53.4 | 52.9 | | | | | | |
| 50 | 37.3 | 38.3 | 38.3 | 38.6 | 38.8 | 38.8 | 38.1 | 37.4 | 37.0 | 36.7 | 36.8 | 36.6 | | | | | | |
| 55 | 26.8 | 27.5 | 27.3 | 27.4 | 27.5 | 27.5 | 27.0 | 26.5 | 26.2 | 26.0 | 26.3 | 26.3 | | | | | | |
| 60 | 11.4 | 11.8 | 11.4 | 11.4 | 12.0 | 12.7 | 12.3 | 11.3 | 10.6 | 10.2 | 10.7 | 10.9 | | | | | | |
| 65 | 1.70 | 2.07 | 1.54 | 1.49 | 1.74 | 2.39 | 2.21 | 1.66 | 1.42 | 1.32 | 1.50 | 1.62 | | | | | | |
| 70 | 0.08 | 0.11 | 0.05 | 0.05 | 0.07 | 0.22 | 0.14 | 0.03 | 0.02 | 0.02 | 0.02 | 0.03 | | | | | | |
| 75 | 0.04 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | | | | | | |
| 80 | 0.03 | 0.02 | 0.02 | 0.03 | 0.02 | 0.03 | 0.03 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | | | | | | |
| 85 | 0.03 | 0.03 | 0.02 | 0.03 | 0.02 | 0.03 | 0.03 | 0.03 | 0.02 | 0.03 | 0.02 | 0.03 | | | | | | |
| 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 | | | | | | |
| 95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |
| 100 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |
| 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 | | | | | | |
| 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 | | | | | | |
| 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 | | | | | | |
| 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 | | | | | | |
| 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 | | | | | | |
| 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 | | | | | | |
| 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 | | | | | | |
| 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 | | | | | | |
| 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 | | | | | | |
| 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 | | | | | | |
| 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 | | | | | | |
| 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 | | | | | | |
| 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 | | | | | | |
| 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 | | | | | | |
| 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 | | | | | | |
| 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 | | | | | | |

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2024-12-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:3.160m [K=1.0000]
Remarks: LAMP:BXRE-30G40TH-C-8X Ra:90
LENS:15R
DRIVER:LC 62/700-1400/54 flexC 1400mA
30minutes warm-up