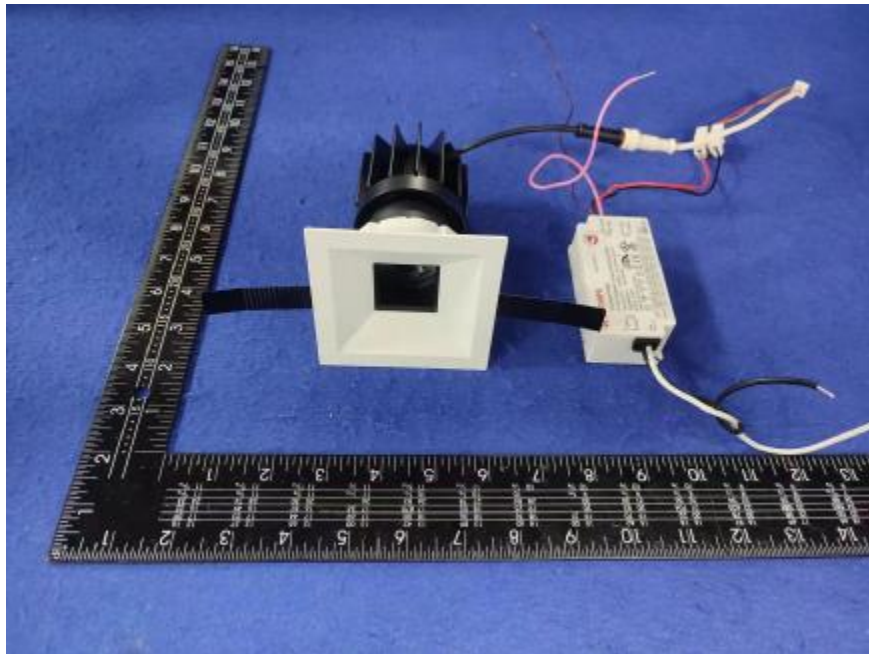


Luminaire Photograph



| | | |
|---------------------|---------|--------------------------|
| Light Output Ratio: | 65.2% | |
| Luminaire Power: | 18.83 W | |
| SHR Nominal: | 0.50 | Calculated using the TM5 |
| SHR Maximum: | 0.70 | fine grid method. |

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3 °C
Operators: zoe
Test Date: 2024-7-20

Range: 0 - 180DEG
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-30G1000-A-83 Ra:90
LENS: PM-1082B 36R
DRIVER: PUP20A-1WMC 450mA
30minutes warm-up

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

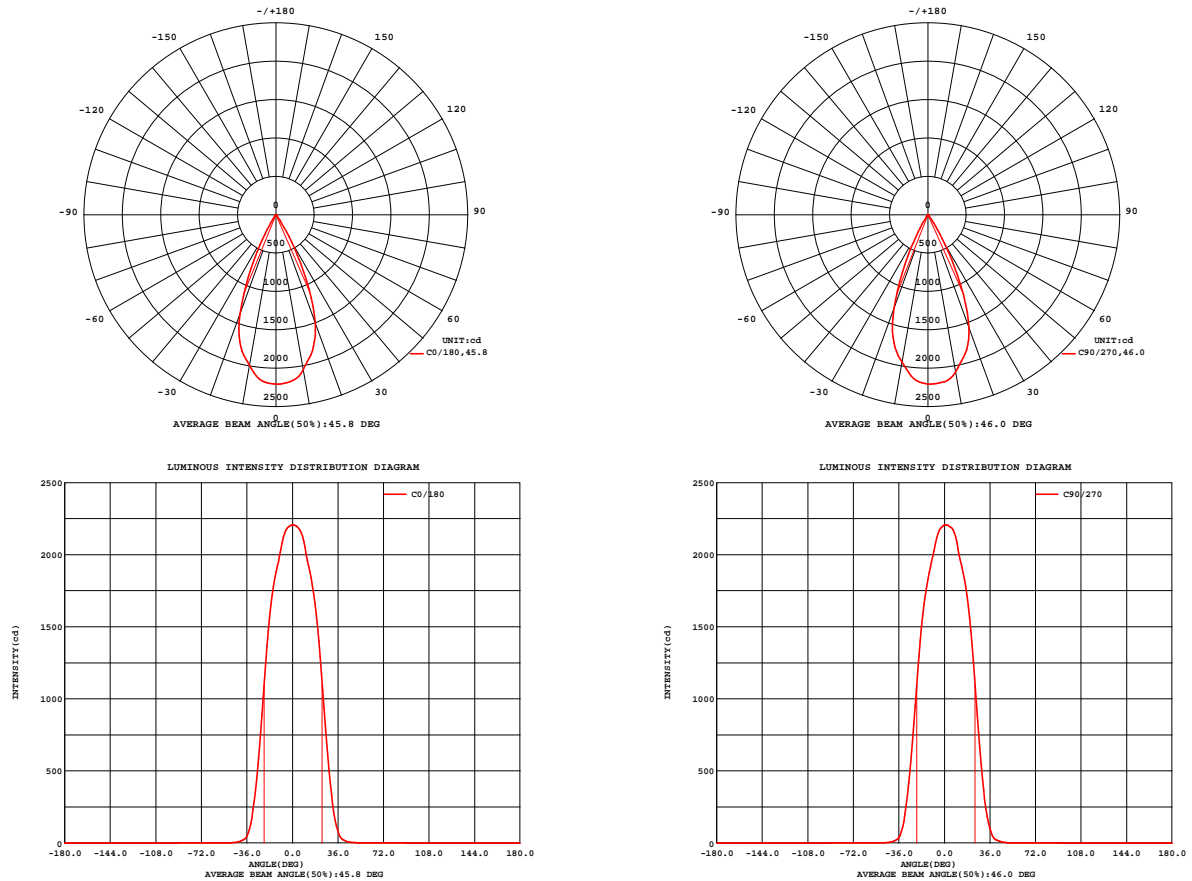


Fig. C0/C180

Fig. C90/C270

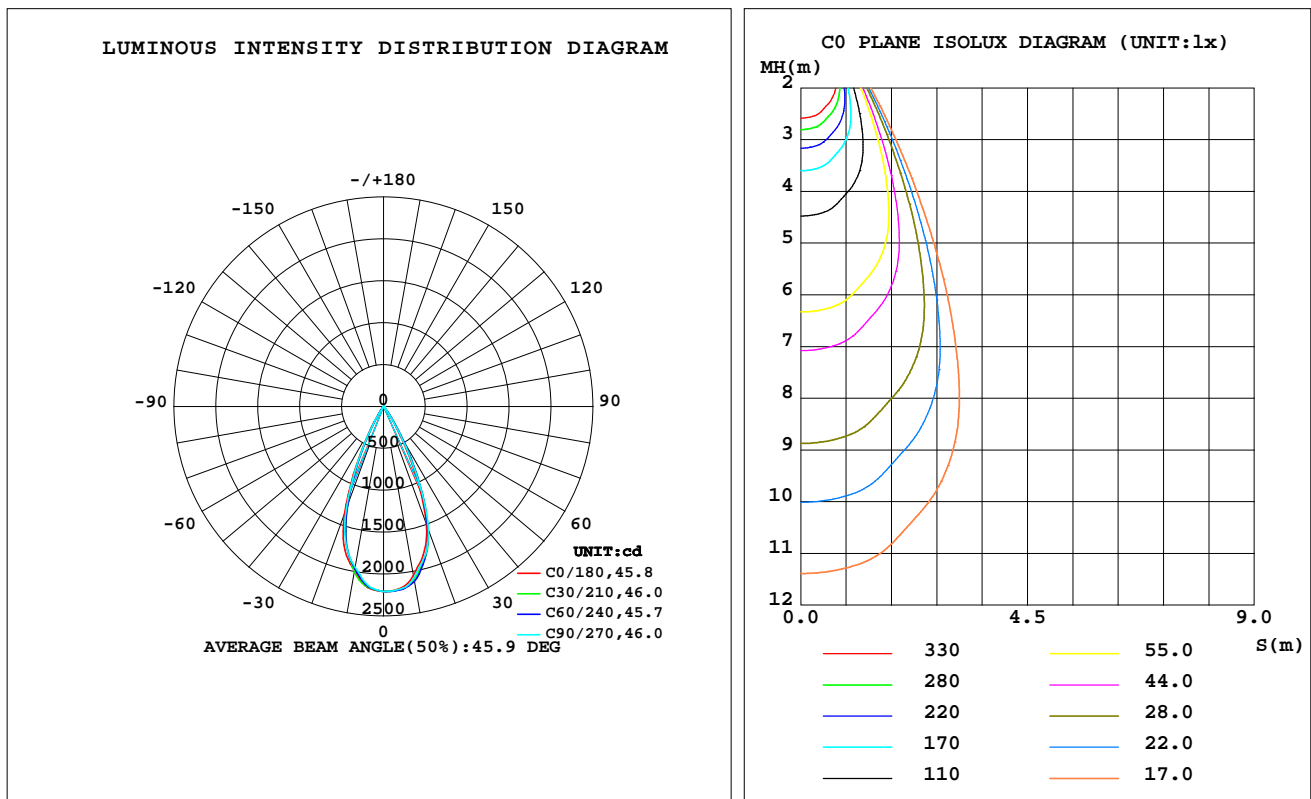
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3 °C
Operators: zoe
Test Date: 2024-7-20

Range: 0 - 180DEG
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-30G1000-A-83 Ra: 90
LENS: PM-1082B 36R
DRIVER: PUP20A-1WMC 450mA
30minutes warm-up

LUMINAIRE PHOTOMETRIC TEST REPORT

| | | |
|---|------------------|------------------------|
| Test:U:120.09V I:0.1576A P:18.828W PF:0.9939 Freq:59.98Hz Lamp Flux:1805.61x1 lm | | |
| NAME: 2418.107-LEA-14 | TYPE: | WEIGHT: |
| SPEC.: 3000K | DIM.: | SERIAL No.: 2407200932 |
| MFR.: RISE | SUR.: 0.004624m2 | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 62.52 lm/W | | | |
|------------------|-----------|----------------------------------|--------|-----------------|----------|
| MODEL | Brideglux | I _{max} (cd) | 2208 | S/MH(C0/180) | 0.67 |
| NOMINAL POWER(W) | 18 | LOR(%) | 65.2 | S/MH(C90/270) | 0.65 |
| RATED VOLTAGE(V) | 120 | TOTAL FLUX(lm) | 1177.1 | UP,DN(C0-180) | 0.0,35.1 |
| NOMINAL FLUX(lm) | 1805.61 | CIE CLASS | DIRECT | UP,DN(C180-360) | 0.0,30.1 |
| LAMPS INSIDE | 1 | up(%) | 0.0 | CIBSE SHR NOM | 0.50 |
| TEST VOLTAGE(V) | 120 | down(%) | 65.2 | CIBSE SHR MAX | 0.70 |



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2024-7-20

Range: 0 - 180DEG
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-30G1000-A-83 Ra:90
LENS:PM-1082B 36R
DRIVER:PUP20A-1WMC 450mA
30minutes warm-up

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

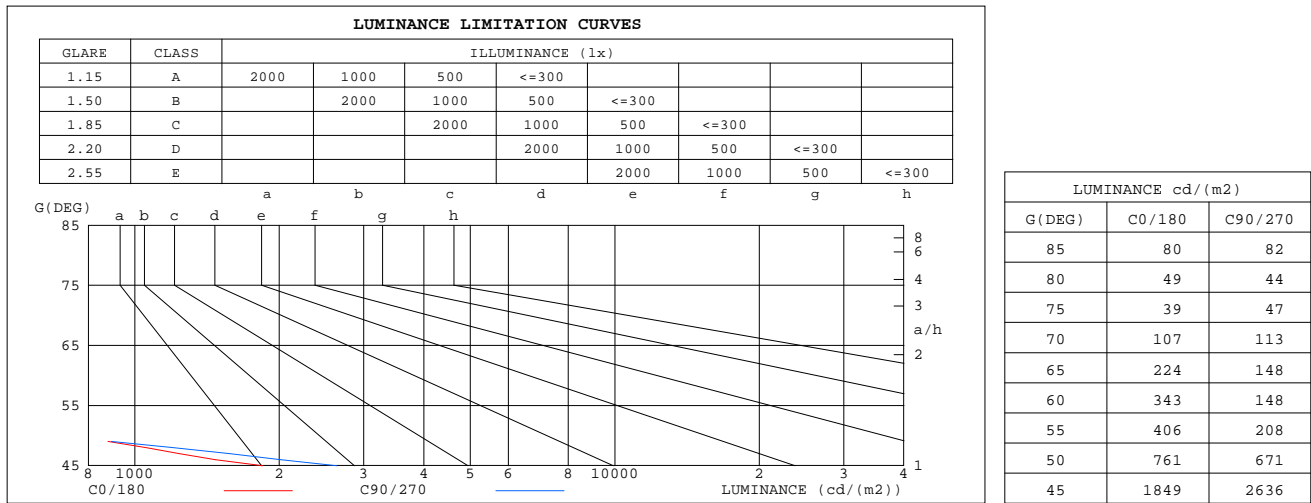
| | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | | zone | total | %lum,lamp |
|-----|-----------------------|--------|--------|--------|--------|--------|--------|--------|---------|---------|-------|-----------|
| 10 | 2049 | 2110 | 2081 | 2065 | 1992 | 1985 | 1950 | 2020 | 0- 10 | 203.3 | 203.3 | 17.3,11.3 |
| 20 | 1500 | 1552 | 1565 | 1447 | 1368 | 1264 | 1297 | 1363 | 10- 20 | 493.4 | 696.7 | 59.2,38.6 |
| 30 | 410.3 | 489.2 | 456.7 | 389.0 | 290.4 | 264.4 | 262.7 | 345.4 | 20- 30 | 389.1 | 1086 | 92.2,60.1 |
| 40 | 23.65 | 45.64 | 28.14 | 32.02 | 15.60 | 17.03 | 13.31 | 22.29 | 30- 40 | 82.89 | 1169 | 99.3,64.7 |
| 50 | 2.264 | 3.597 | 1.995 | 2.476 | 1.417 | 1.798 | 1.051 | 1.992 | 40- 50 | 7.055 | 1176 | 99.9,65.1 |
| 60 | 0.7936 | 0.6725 | 0.3424 | 0.3684 | 0.5144 | 0.6215 | 0.4619 | 0.6059 | 50- 60 | 0.9302 | 1177 | 100,65.2 |
| 70 | 0.1686 | 0.2138 | 0.1788 | 0.1884 | 0.0859 | 0.1150 | 0.0423 | 0.1417 | 60- 70 | 0.3381 | 1177 | 100,65.2 |
| 80 | 0.0397 | 0.0287 | 0.0350 | 0.0288 | 0.0379 | 0.0239 | 0.0276 | 0.0183 | 70- 80 | 0.0630 | 1177 | 100,65.2 |
| 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 80- 90 | 0.0226 | 1177 | 100,65.2 |
| 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 90-100 | 0 | 1177 | 100,65.2 |
| 110 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100-110 | 0 | 1177 | 100,65.2 |
| 120 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 110-120 | 0 | 1177 | 100,65.2 |
| 130 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 120-130 | 0 | 1177 | 100,65.2 |
| 140 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 130-140 | 0 | 1177 | 100,65.2 |
| 150 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 140-150 | 0 | 1177 | 100,65.2 |
| 160 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 150-160 | 0 | 1177 | 100,65.2 |
| 170 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 160-170 | 0 | 1177 | 100,65.2 |
| 180 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 170-180 | 0 | 1177 | 100,65.2 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2024-7-20

Range: 0 - 180DEG
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-30G1000-A-83 Ra:90
LENS:PM-1082B 36R
DRIVER:PUP20A-1WMC 450mA
30minutes warm-up

LUMINANCE LIMITATION CURVES

| | | |
|---|------------------|------------------------|
| Test:U:120.09V I:0.1576A P:18.828W PF:0.9939 Freq:59.98Hz Lamp Flux:1805.6lx1 lm | | |
| NAME: 2418.107-LEA-14 | TYPE: | WEIGHT: |
| SPEC.: 3000K | DIM.: | SERIAL No.: 2407200932 |
| MFR.: RISE | SUR.: 0.004624m2 | Shielding Angle: |



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2024-7-20

Range: 0 - 180DEG
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-30G1000-A-83 Ra:90
LENS:PM-1082B 36R
DRIVER:PUP20A-1WMC 450mA
30minutes warm-up

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.09V I:0.1576A P:18.828W PF:0.9939 Freq:59.98Hz
Lamp Flux:1805.61x1 lm

NAME: 2418.107-LEA-14

TYPE:

WEIGHT:

SPEC.: 3000K

DIM.:

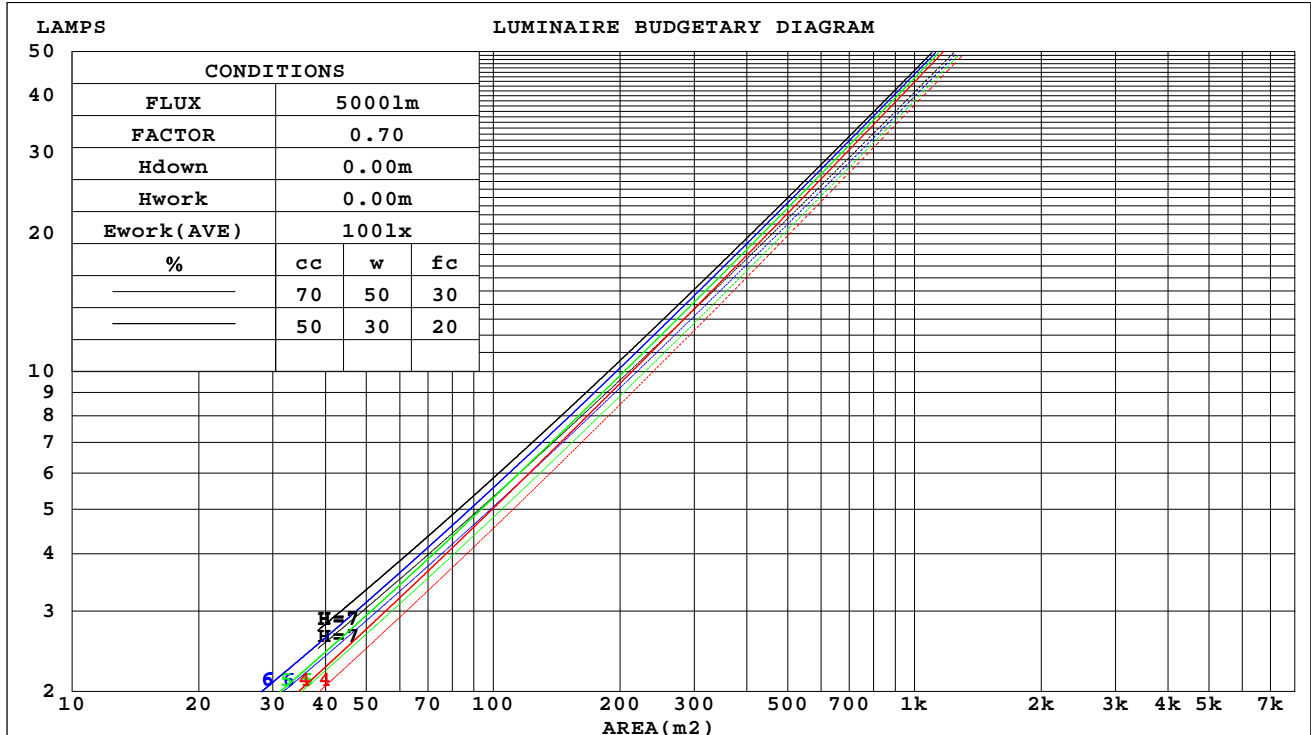
SERIAL No.: 2407200932

MFR.: RISE

SUR.: 0.004624m2

Shielding Angle:

| cc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|-----|-----------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---|
| w | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| 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:2024-7-20

Range: 0 - 180DEG
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-30G1000-A-83 Ra:90
LENS:PM-1082B 36R
DRIVER:PUP20A-1WMC 450mA
30minutes warm-up

WEC AND CCEC

| | | |
|---|------------------|------------------------|
| Test:U:120.09V I:0.1576A P:18.828W PF:0.9939 Freq:59.98Hz Lamp Flux:1805.6lx1 lm | | |
| NAME: 2418.107-LEA-14 | TYPE: | WEIGHT: |
| SPEC.: 3000K | DIM.: | SERIAL No.: 2407200932 |
| MFR.: RISE | SUR.: 0.004624m2 | Shielding Angle: |

| cc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|------|------|------|---|
| w | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| fc | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Wall Exitance Coefficients(WEC) | | | | | | | | | |
| 0.0 | | | | | | | | | | | | | | | | |
| 1.0 | .100 | .057 | .018 | .096 | .055 | .017 | .088 | .050 | .016 | .081 | .046 | .015 | .074 | .043 | .014 | |
| 2.0 | .095 | .052 | .016 | .091 | .050 | .015 | .084 | .047 | .015 | .078 | .044 | .014 | .072 | .041 | .013 | |
| 3.0 | .089 | .047 | .014 | .086 | .046 | .014 | .081 | .044 | .013 | .075 | .041 | .013 | .070 | .039 | .012 | |
| 4.0 | .085 | .044 | .013 | .082 | .043 | .013 | .077 | .041 | .012 | .073 | .039 | .012 | .068 | .037 | .011 | |
| 5.0 | .080 | .041 | .012 | .078 | .040 | .012 | .074 | .039 | .011 | .070 | .037 | .011 | .066 | .036 | .011 | |
| 6.0 | .077 | .038 | .011 | .075 | .038 | .011 | .071 | .036 | .011 | .068 | .035 | .010 | .065 | .034 | .010 | |
| 7.0 | .073 | .036 | .010 | .072 | .036 | .010 | .068 | .035 | .010 | .065 | .034 | .010 | .063 | .033 | .010 | |
| 8.0 | .070 | .034 | .010 | .069 | .034 | .010 | .066 | .033 | .009 | .063 | .032 | .009 | .061 | .031 | .009 | |
| 9.0 | .068 | .033 | .009 | .066 | .032 | .009 | .064 | .032 | .009 | .061 | .031 | .009 | .059 | .030 | .009 | |
| 10.0 | .065 | .031 | .009 | .064 | .031 | .009 | .062 | .030 | .008 | .059 | .030 | .008 | .057 | .029 | .008 | |

| cc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|------|-----------------------|------|------|------|------|------|--|------|------|------|------|------|------|------|------|---|
| w | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| fc | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Ceiling Cavity Exitance Coefficients(CCEC) | | | | | | | | | |
| 0.0 | .124 | .124 | .124 | .106 | .106 | .106 | .072 | .072 | .072 | .042 | .042 | .042 | .013 | .013 | .013 | |
| 1.0 | .111 | .103 | .096 | .095 | .088 | .082 | .065 | .061 | .057 | .037 | .035 | .033 | .012 | .011 | .011 | |
| 2.0 | .100 | .086 | .075 | .085 | .074 | .065 | .058 | .051 | .046 | .034 | .030 | .027 | .011 | .010 | .009 | |
| 3.0 | .091 | .074 | .061 | .078 | .064 | .053 | .053 | .044 | .037 | .031 | .026 | .022 | .010 | .008 | .007 | |
| 4.0 | .083 | .064 | .050 | .071 | .055 | .043 | .049 | .039 | .030 | .028 | .023 | .018 | .009 | .007 | .006 | |
| 5.0 | .077 | .056 | .041 | .066 | .049 | .036 | .045 | .034 | .025 | .026 | .020 | .015 | .008 | .007 | .005 | |
| 6.0 | .072 | .050 | .035 | .061 | .043 | .030 | .042 | .030 | .021 | .025 | .018 | .013 | .008 | .006 | .004 | |
| 7.0 | .067 | .045 | .029 | .058 | .039 | .026 | .040 | .027 | .018 | .023 | .016 | .011 | .007 | .005 | .004 | |
| 8.0 | .063 | .041 | .025 | .054 | .035 | .022 | .038 | .025 | .016 | .022 | .015 | .009 | .007 | .005 | .003 | |
| 9.0 | .060 | .037 | .022 | .052 | .032 | .019 | .036 | .023 | .014 | .021 | .013 | .008 | .007 | .004 | .003 | |
| 10.0 | .057 | .034 | .019 | .049 | .030 | .017 | .034 | .021 | .012 | .020 | .012 | .007 | .006 | .004 | .002 | |

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2024-7-20

Range: 0 - 180DEG
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-30G1000-A-83 Ra:90
LENS:PM-1082B 36R
DRIVER:PUP20A-1WMC 450mA
30minutes warm-up

UGR(Unified Glare Rating) Table

| | | | | | | | | | | |
|---|------------------|------|------|------|------------------|----------------|------|------------------------|------|------|
| Test:U:120.09V I:0.1576A P:18.828W PF:0.9939 Freq:59.98Hz Lamp Flux:1805.6lx1 lm | | | | | | | | | | |
| NAME: 2418.107-LEA-14 | | | | | TYPE: | | | WEIGHT: | | |
| SPEC.: 3000K | | | | | DIM.: | | | SERIAL No.: 2407200932 | | |
| MFR.: RISE | | | | | SUR.: 0.004624m2 | | | 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 | 11.2 | 12.0 | 11.5 | 12.2 | 12.3 | 11.7 | 12.5 | 11.9 | 12.7 | 12.8 |
| 3H | 11.1 | 11.8 | 11.3 | 12.0 | 12.2 | 11.6 | 12.3 | 11.8 | 12.5 | 12.7 |
| 4H | 11.0 | 11.7 | 11.3 | 11.9 | 12.1 | 11.5 | 12.2 | 11.8 | 12.4 | 12.6 |
| 6H | 10.9 | 11.6 | 11.2 | 11.8 | 12.0 | 11.4 | 12.0 | 11.7 | 12.3 | 12.5 |
| 8H | 10.9 | 11.5 | 11.2 | 11.7 | 12.0 | 11.4 | 12.0 | 11.7 | 12.2 | 12.5 |
| 12H | 10.8 | 11.4 | 11.1 | 11.7 | 12.0 | 11.3 | 11.9 | 11.6 | 12.2 | 12.4 |
| 4H 2H | 11.0 | 11.7 | 11.3 | 11.9 | 12.1 | 11.5 | 12.2 | 11.8 | 12.4 | 12.6 |
| 3H | 10.8 | 11.4 | 11.1 | 11.7 | 12.0 | 11.3 | 11.9 | 11.6 | 12.2 | 12.4 |
| 4H | 10.7 | 11.3 | 11.1 | 11.6 | 11.9 | 11.2 | 11.8 | 11.6 | 12.0 | 12.4 |
| 6H | 10.6 | 11.1 | 11.0 | 11.4 | 11.8 | 11.1 | 11.6 | 11.5 | 11.9 | 12.3 |
| 8H | 10.6 | 11.0 | 11.0 | 11.4 | 11.7 | 11.1 | 11.5 | 11.5 | 11.9 | 12.2 |
| 12H | 10.5 | 10.9 | 10.9 | 11.3 | 11.7 | 11.0 | 11.4 | 11.4 | 11.8 | 12.2 |
| 8H 4H | 10.6 | 11.0 | 11.0 | 11.4 | 11.7 | 11.1 | 11.5 | 11.5 | 11.9 | 12.2 |
| 6H | 10.5 | 10.8 | 10.9 | 11.2 | 11.6 | 11.0 | 11.3 | 11.4 | 11.7 | 12.1 |
| 8H | 10.4 | 10.7 | 10.9 | 11.2 | 11.6 | 10.9 | 11.2 | 11.3 | 11.6 | 12.1 |
| 12H | 10.4 | 10.6 | 10.8 | 11.1 | 11.5 | 10.8 | 11.1 | 11.3 | 11.6 | 12.0 |
| 12H 4H | 10.5 | 10.9 | 10.9 | 11.3 | 11.7 | 11.0 | 11.4 | 11.4 | 11.8 | 12.2 |
| 6H | 10.4 | 10.7 | 10.9 | 11.2 | 11.6 | 10.9 | 11.2 | 11.3 | 11.6 | 12.1 |
| 8H | 10.4 | 10.6 | 10.8 | 11.1 | 11.5 | 10.8 | 11.1 | 11.3 | 11.6 | 12.0 |
| Variations with the observer position at spacings(CIE Pub.117): | | | | | | | | | | |
| S = 1.0H | + 3.0 / -16.8 | | | | | + 4.0 / -20.8 | | | | |
| 1.5H | + 5.7 / -14.1 | | | | | + 6.6 / -16.4 | | | | |
| 2.0H | + 6.2 / - 5.4 | | | | | + 6.7 / -10.3 | | | | |

CIE Pub.117, 1806 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 2.1)
Area: 0.004624 m2

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2024-7-20

Range: 0 - 180DEG
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-30G1000-A-83 Ra:90
LENS:PM-1082B 36R
DRIVER:PUP20A-1WMC 450mA
30minutes warm-up

UTILIZATION FACTORS TABLE

| | | |
|---|------------------|------------------------|
| Test:U:120.09V I:0.1576A P:18.828W PF:0.9939 Freq:59.98Hz Lamp Flux:1805.6lx1 lm | | |
| NAME: 2418.107-LEA-14 | TYPE: | WEIGHT: |
| SPEC.: 3000K | DIM.: | SERIAL No.: 2407200932 |
| MFR.: RISE | SUR.: 0.004624m2 | Shielding Angle: |

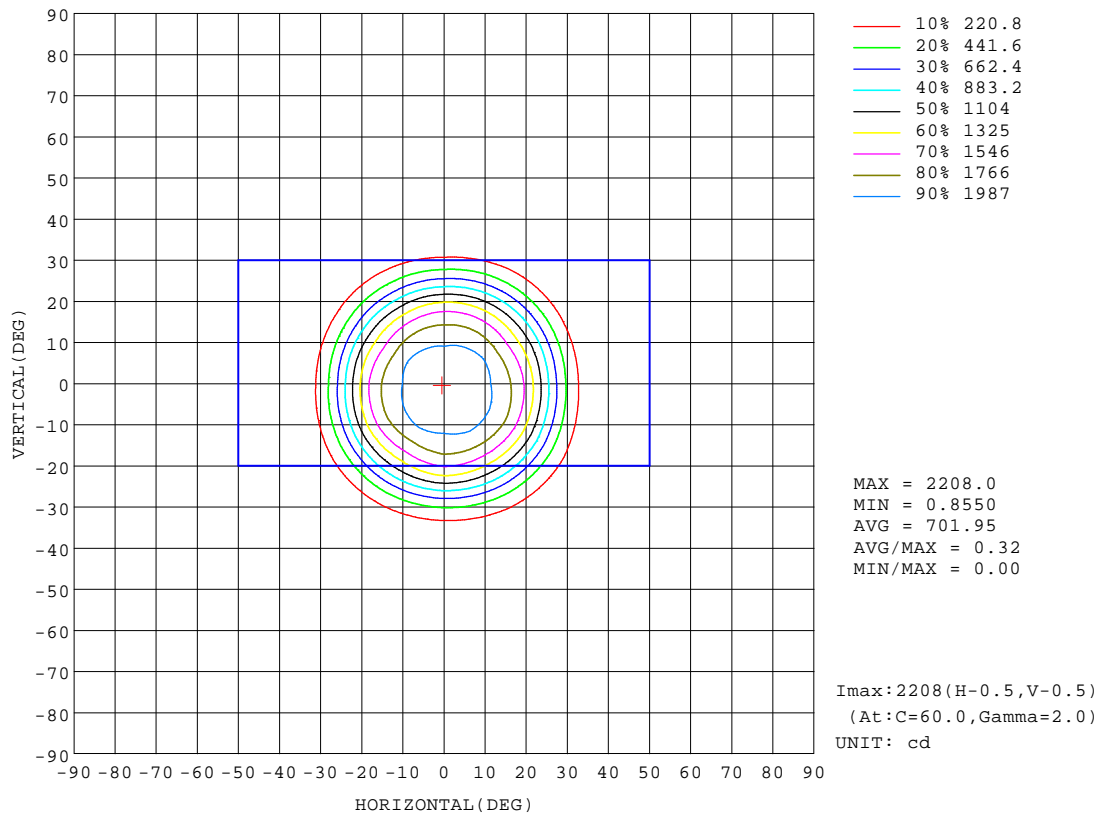
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|---|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 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 | 56 | 54 | 59 | 56 | 53 | 59 | 55 | 53 | 51 |
| 0.80 | 64 | 61 | 58 | 64 | 60 | 58 | 63 | 60 | 58 | 56 |
| 1.00 | 66 | 63 | 61 | 66 | 63 | 61 | 65 | 63 | 61 | 58 |
| 1.25 | 69 | 66 | 64 | 68 | 65 | 63 | 67 | 65 | 63 | 60 |
| 1.50 | 70 | 67 | 66 | 69 | 67 | 65 | 68 | 66 | 65 | 62 |
| 2.00 | 72 | 69 | 67 | 71 | 69 | 67 | 69 | 67 | 66 | 63 |
| 2.50 | 73 | 70 | 69 | 72 | 70 | 68 | 70 | 68 | 67 | 63 |
| 3.00 | 73 | 71 | 70 | 72 | 71 | 69 | 70 | 69 | 68 | 64 |
| 4.00 | 75 | 73 | 72 | 73 | 72 | 71 | 71 | 70 | 69 | 65 |
| 5.00 | 75 | 74 | 73 | 74 | 73 | 72 | 72 | 71 | 70 | 65 |
| 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:2024-7-20

Range: 0 - 180DEG
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-30G1000-A-83 Ra:90
LENS:PM-1082B 36R
DRIVER:PUP20A-1WMC 450mA
30minutes warm-up

ISOCANDELA DIAGRAM

| | | |
|---|------------------|------------------------|
| Test:U:120.09V I:0.1576A P:18.828W PF:0.9939 Freq:59.98Hz Lamp Flux:1805.6lx1 lm | | |
| NAME: 2418.107-LEA-14 | TYPE: | WEIGHT: |
| SPEC.: 3000K | DIM.: | SERIAL No.: 2407200932 |
| MFR.: RISE | SUR.: 0.004624m2 | Shielding Angle: |

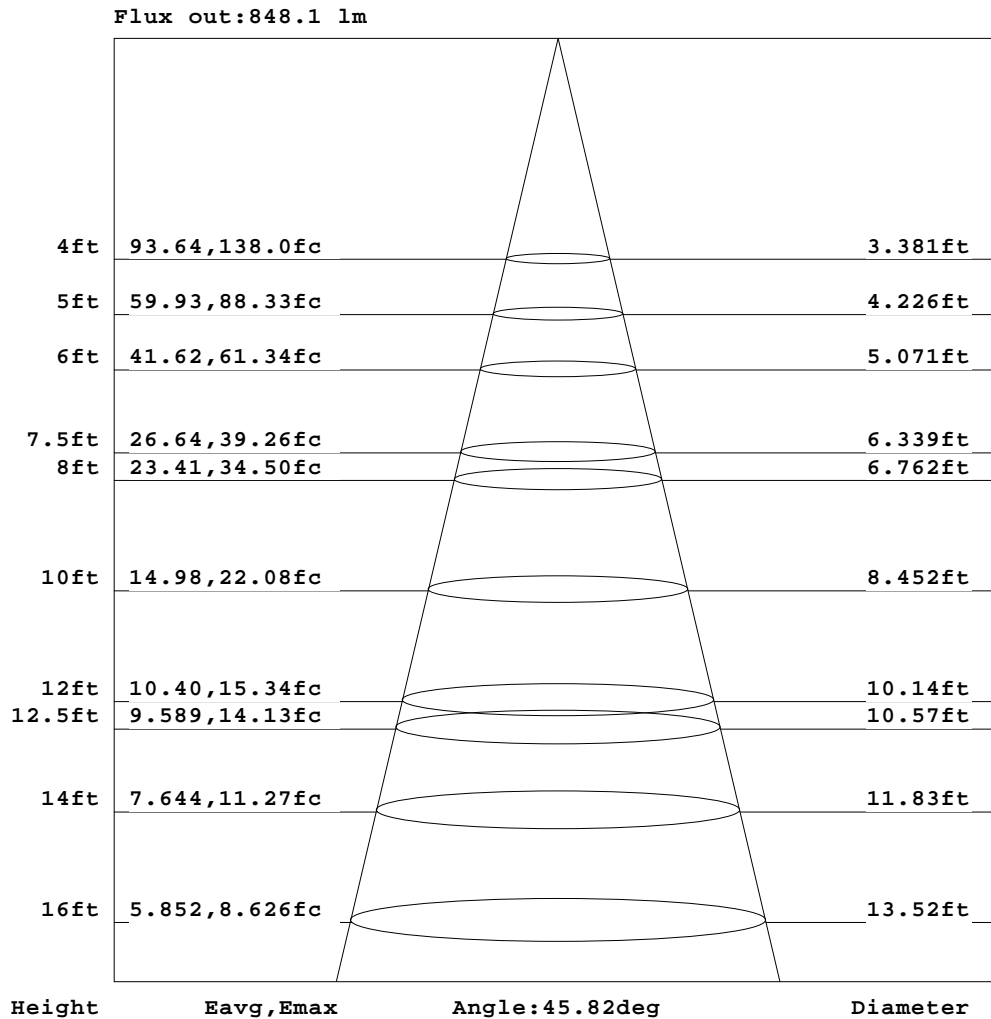


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2024-7-20

Range: 0 - 180DEG
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-30G1000-A-83 Ra:90
LENS:PM-1082B 36R
DRIVER:PUP20A-1WMC 450mA
30minutes warm-up

AAI Figure

| | | |
|---|------------------|------------------------|
| Test:U:120.09V I:0.1576A P:18.828W PF:0.9939 Freq:59.98Hz Lamp Flux:1805.61x1 lm | | |
| NAME: 2418.107-LEA-14 | TYPE: | WEIGHT: |
| SPEC.: 3000K | DIM.: | SERIAL No.: 2407200932 |
| MFR.: RISE | SUR.: 0.004624m2 | Shielding Angle: |



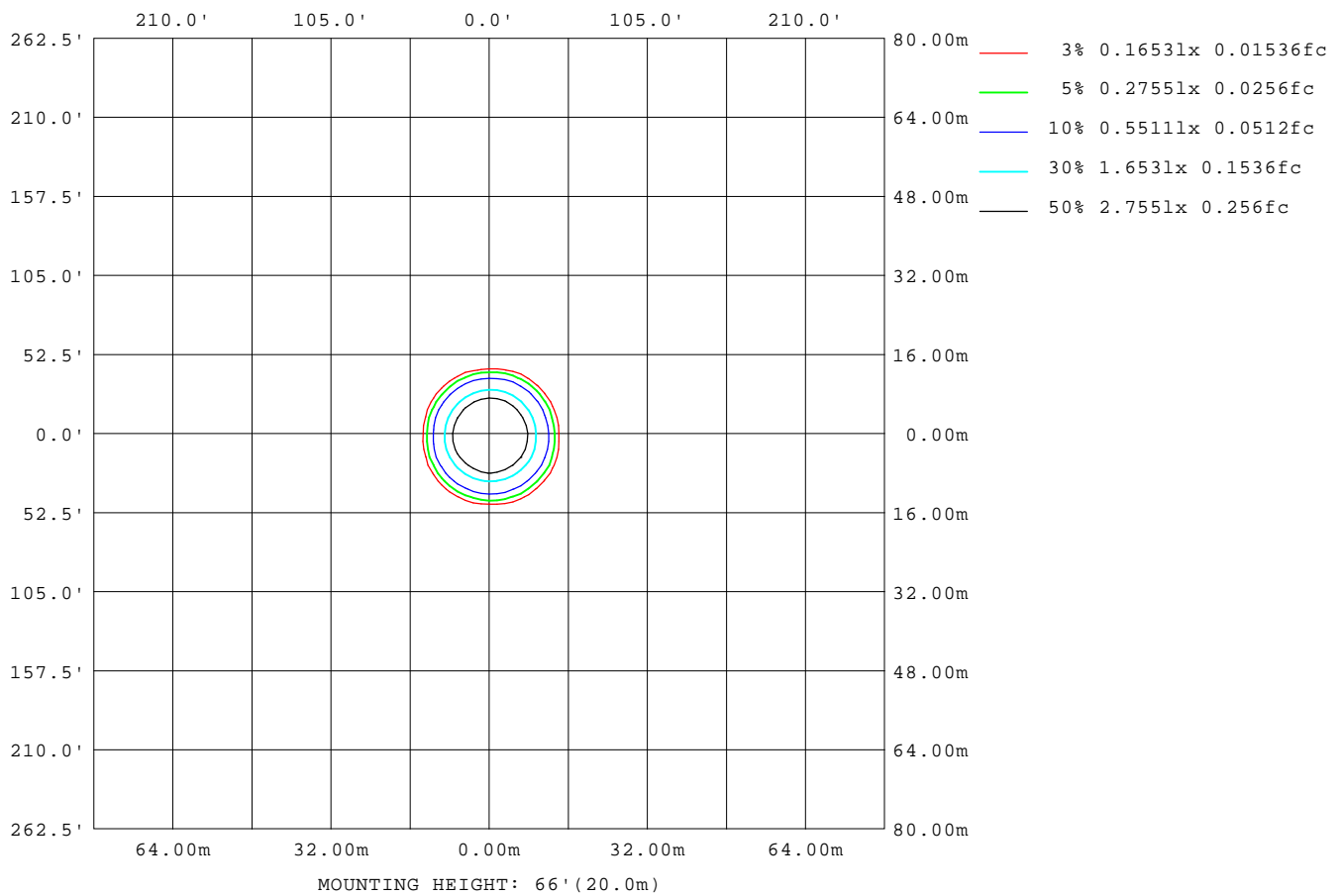
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3 °C
Operators: zoe
Test Date: 2024-7-20

Range: 0 - 180DEG
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-30G1000-A-83 Ra: 90
LENS: PM-1082B 36R
DRIVER: PUP20A-1WMC 450mA
30minutes warm-up

ISOLUX DIAGRAM

| | | |
|---|------------------|------------------------|
| Test:U:120.09V I:0.1576A P:18.828W PF:0.9939 Freq:59.98Hz Lamp Flux:1805.6lx1 lm | | |
| NAME: 2418.107-LEA-14 | TYPE: | WEIGHT: |
| SPEC.: 3000K | DIM.: | SERIAL No.: 2407200932 |
| MFR.: RISE | SUR.: 0.004624m2 | Shielding Angle: |



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:zoe
Test Date:2024-7-20

Range: 0 - 180DEG
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-30G1000-A-83 Ra:90
LENS:PM-1082B 36R
DRIVER:PUP20A-1WMC 450mA
30minutes warm-up

LED Avg.L Report

| | | |
|---|------------------|------------------------|
| Test:U:120.09V I:0.1576A P:18.828W PF:0.9939 Freq:59.98Hz Lamp Flux:1805.61x1 lm | | |
| NAME: 2418.107-LEA-14 | TYPE: | WEIGHT: |
| SPEC.: 3000K | DIM.: | SERIAL No.: 2407200932 |
| MFR.: RISE | SUR.: 0.004624m2 | Shielding Angle: |

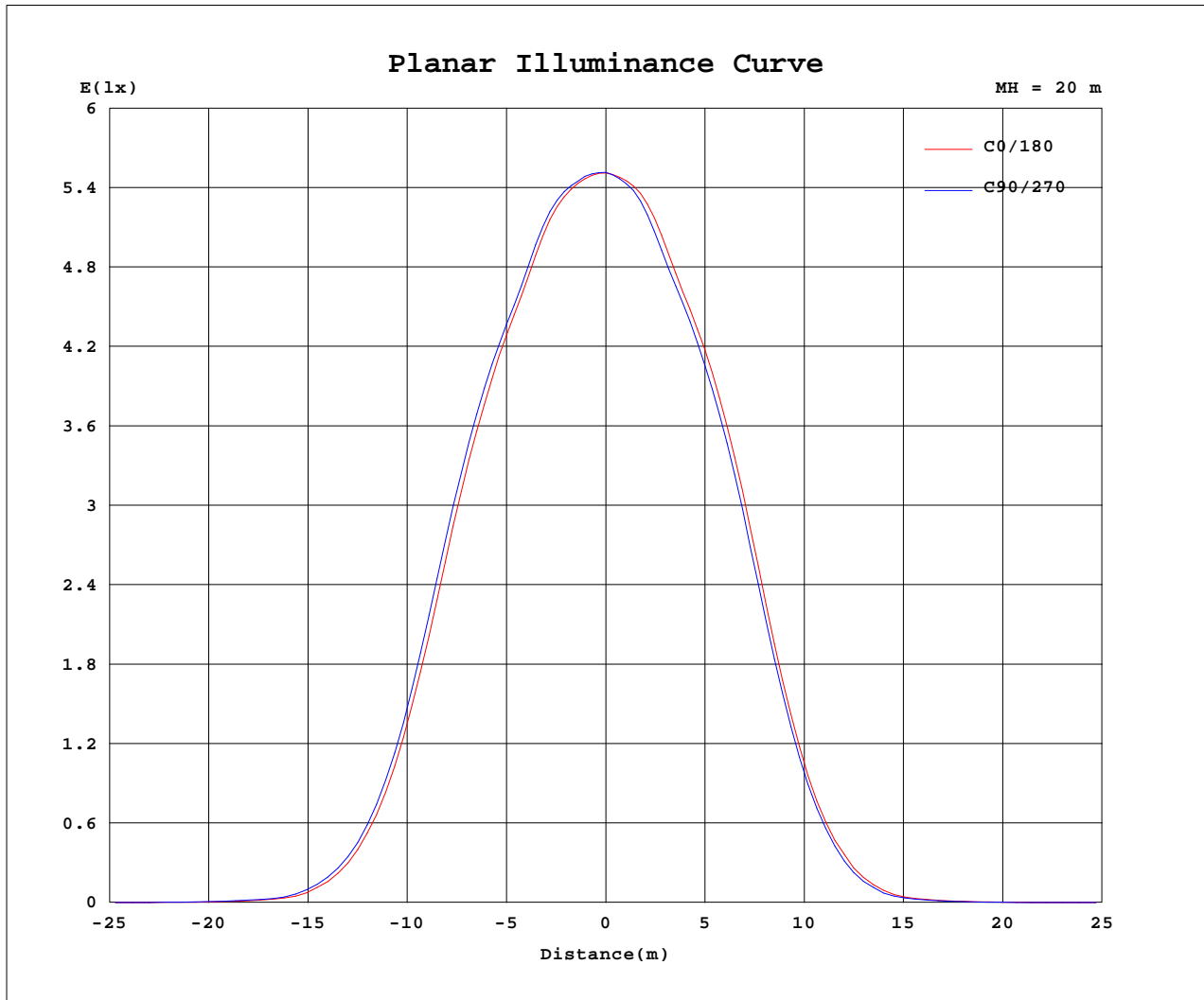
| AvgL | cd/m2 |
|----------------|-------|
| L_0~180(65)av | 174 |
| L_0~180(75)av | 38 |
| L_0~180(85)av | 84 |
| L_90~270(65)av | 132 |
| L_90~270(75)av | 35 |
| L_90~270(85)av | 69 |
| L_45(65)av | 188 |
| L_45(75)av | 40 |
| L_45(85)av | 40 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2024-7-20

Range: 0 - 180DEG
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-30G1000-A-83 Ra:90
LENS:PM-1082B 36R
DRIVER:PUP20A-1WMC 450mA
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: 2024-7-20

Range: 0 - 180DEG
 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-30G1000-A-83 Ra:90
 LENS: PM-1082B 36R
 DRIVER: PUP20A-1WMC 450mA
 30minutes warm-up



LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|---|------------------|------------------------|
| Test:U:120.09V I:0.1576A P:18.828W PF:0.9939 Freq:59.98Hz Lamp Flux:1805.61x1 lm | | |
| NAME: 2418.107-LEA-14 | TYPE: | WEIGHT: |
| SPEC.: 3000K | DIM.: | SERIAL No.: 2407200932 |
| MFR.: RISE | SUR.: 0.004624m2 | Shielding Angle: |

Table--1

UNIT: cd

| C(DEG) (DEG) | 0 | 30 | 60 | 90 | 120 | 150 | 180 | 210 | 240 | 270 | 300 | 330 | | | | | | |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|--|--|--|--|
| 0 | 2206 | 2206 | 2206 | 2206 | 2206 | 2206 | 2206 | 2206 | 2206 | 2206 | 2206 | 2206 | | | | | | |
| 5 | 2182 | 2193 | 2199 | 2191 | 2186 | 2179 | 2170 | 2165 | 2154 | 2145 | 2158 | 2171 | | | | | | |
| 10 | 2049 | 2100 | 2120 | 2081 | 2091 | 2039 | 1992 | 2004 | 1966 | 1950 | 1990 | 2050 | | | | | | |
| 15 | 1836 | 1891 | 1896 | 1873 | 1829 | 1825 | 1779 | 1700 | 1711 | 1722 | 1754 | 1765 | | | | | | |
| 20 | 1500 | 1562 | 1542 | 1565 | 1451 | 1444 | 1368 | 1272 | 1256 | 1297 | 1346 | 1379 | | | | | | |
| 25 | 938 | 1037 | 1029 | 1014 | 943 | 874 | 763 | 716 | 691 | 714 | 794 | 869 | | | | | | |
| 30 | 410 | 490 | 489 | 457 | 417 | 361 | 290 | 270 | 259 | 263 | 318 | 373 | | | | | | |
| 35 | 116 | 165 | 167 | 141 | 134 | 109 | 67.8 | 82.3 | 72.0 | 53.0 | 90.8 | 111 | | | | | | |
| 40 | 23.6 | 44.5 | 46.8 | 28.1 | 37.9 | 26.1 | 15.6 | 18.1 | 15.9 | 13.3 | 19.7 | 24.9 | | | | | | |
| 45 | 6.05 | 11.5 | 11.9 | 8.62 | 10.1 | 7.86 | 4.05 | 6.16 | 5.29 | 3.12 | 6.00 | 7.50 | | | | | | |
| 50 | 2.26 | 3.49 | 3.71 | 2.00 | 2.84 | 2.11 | 1.42 | 1.97 | 1.62 | 1.05 | 1.75 | 2.24 | | | | | | |
| 55 | 1.08 | 1.44 | 1.15 | 0.55 | 0.81 | 0.66 | 0.71 | 1.01 | 0.80 | 0.69 | 0.81 | 0.99 | | | | | | |
| 60 | 0.79 | 0.85 | 0.50 | 0.34 | 0.38 | 0.36 | 0.51 | 0.70 | 0.55 | 0.46 | 0.56 | 0.65 | | | | | | |
| 65 | 0.44 | 0.56 | 0.34 | 0.29 | 0.32 | 0.27 | 0.24 | 0.38 | 0.29 | 0.23 | 0.32 | 0.39 | | | | | | |
| 70 | 0.17 | 0.27 | 0.16 | 0.18 | 0.24 | 0.14 | 0.09 | 0.13 | 0.10 | 0.04 | 0.12 | 0.16 | | | | | | |
| 75 | 0.05 | 0.08 | 0.06 | 0.06 | 0.08 | 0.05 | 0.04 | 0.04 | 0.02 | 0.03 | 0.02 | 0.03 | | | | | | |
| 80 | 0.04 | 0.03 | 0.03 | 0.04 | 0.03 | 0.03 | 0.04 | 0.03 | 0.02 | 0.03 | 0.02 | 0.02 | | | | | | |
| 85 | 0.03 | 0.02 | 0.02 | 0.03 | 0.02 | 0.02 | 0.04 | 0.02 | 0.01 | 0.02 | 0.01 | 0.01 | | | | | | |
| 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
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Operators:zoe
Test Date:2024-7-20

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