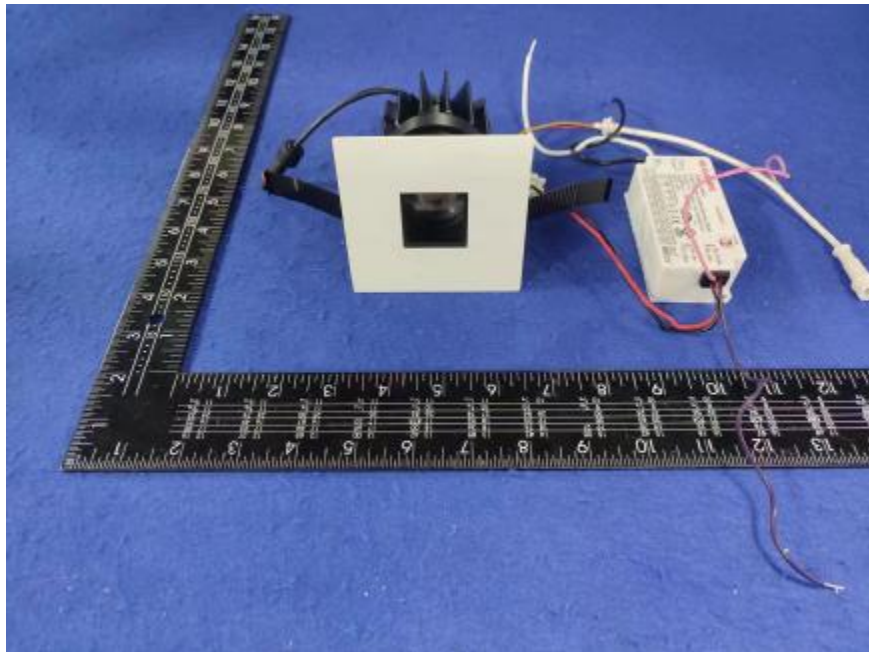


Luminaire Photograph



| | | |
|---------------------|---------|--------------------------|
| Light Output Ratio: | 63.6% | |
| Luminaire Power: | 18.85 W | |
| SHR Nominal: | 0.75 | Calculated using the TM5 |
| SHR Maximum: | 0.85 | fine grid method. |

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3 °C
Operators: zoe
Test Date: 2024-7-19

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-1082C 50R
DRIVER: PUP20A-1WMC 450mA
30minutes warm-up

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

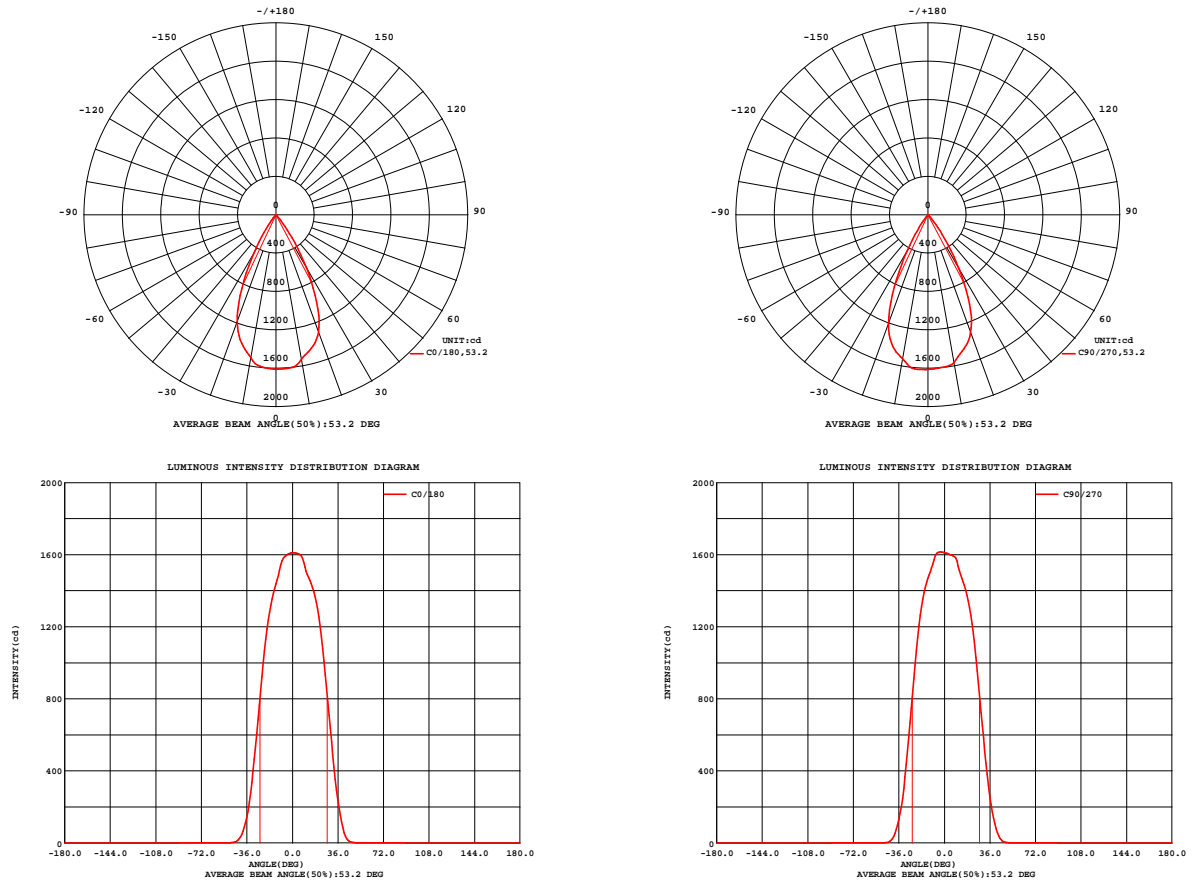


Fig. C0/C180

Fig. C90/C270

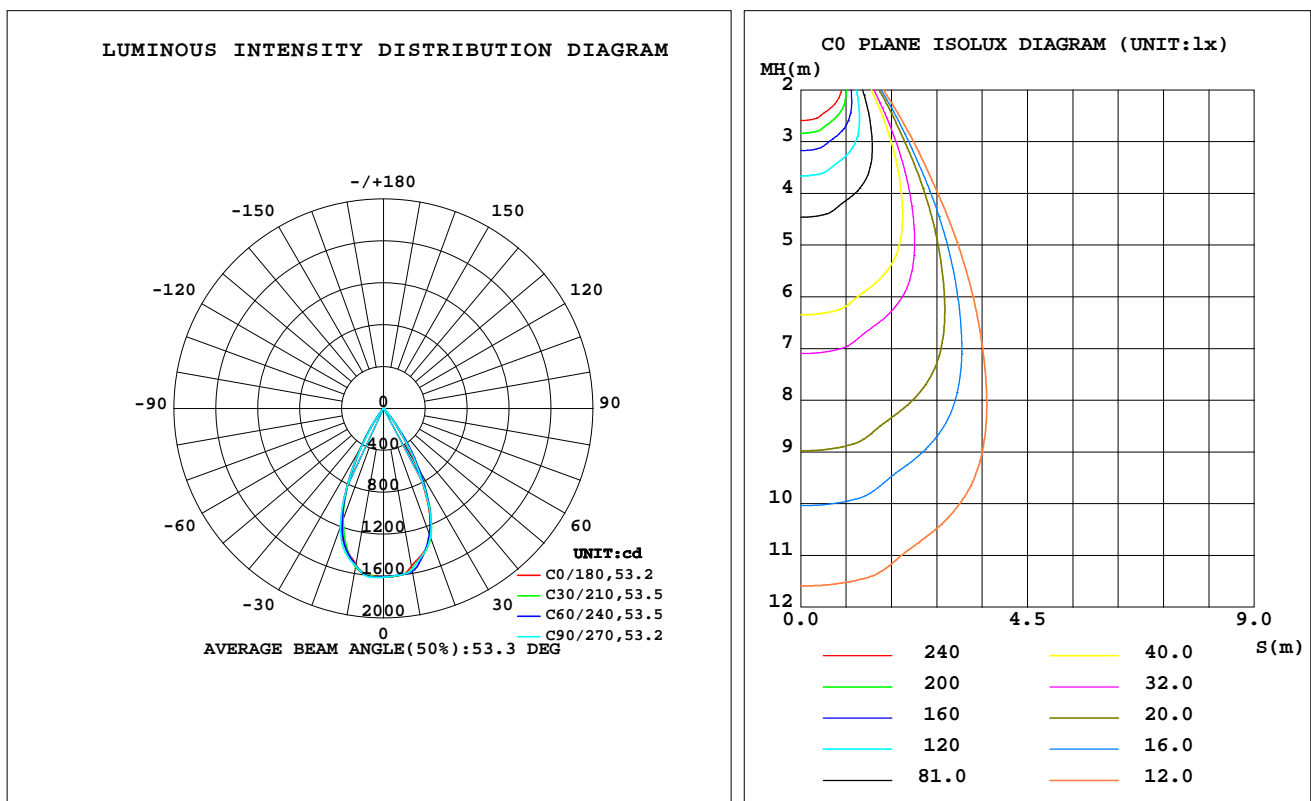
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3 °C
Operators: zoe
Test Date: 2024-7-19

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-1082C 50R
DRIVER: PUP20A-1WMC 450mA
30minutes warm-up

LUMINAIRE PHOTOMETRIC TEST REPORT

| | | |
|---|------------------|------------------------|
| Test:U:120.18V I:0.1578A P:18.853W PF:0.9931 Freq:59.98Hz Lamp Flux:1805.61x1 lm | | |
| NAME: 2418.104-LEA-14 | TYPE: | WEIGHT: |
| SPEC.: 3000K | DIM.: | SERIAL No.: 2407190925 |
| MFR.: RISE | SUR.: 0.001024m2 | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 60.90 lm/W | | | |
|------------------|-----------|----------------------------------|--------|-----------------|----------|
| MODEL | Brideglux | I _{max} (cd) | 1615 | S/MH(C0/180) | 0.76 |
| NOMINAL POWER(W) | 18 | LOR(%) | 63.6 | S/MH(C90/270) | 0.76 |
| RATED VOLTAGE(V) | 120 | TOTAL FLUX(lm) | 1148.0 | UP,DN(C0-180) | 0.0,34.0 |
| NOMINAL FLUX(lm) | 1805.61 | CIE CLASS | DIRECT | UP,DN(C180-360) | 0.0,29.6 |
| LAMPS INSIDE | 1 | up(%) | 0.0 | CIBSE SHR NOM | 0.75 |
| TEST VOLTAGE(V) | 120 | down(%) | 63.6 | CIBSE SHR MAX | 0.85 |



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2024-7-19

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-1082C 50R
DRIVER:PUP20A-1WMC 450mA
30minutes warm-up

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

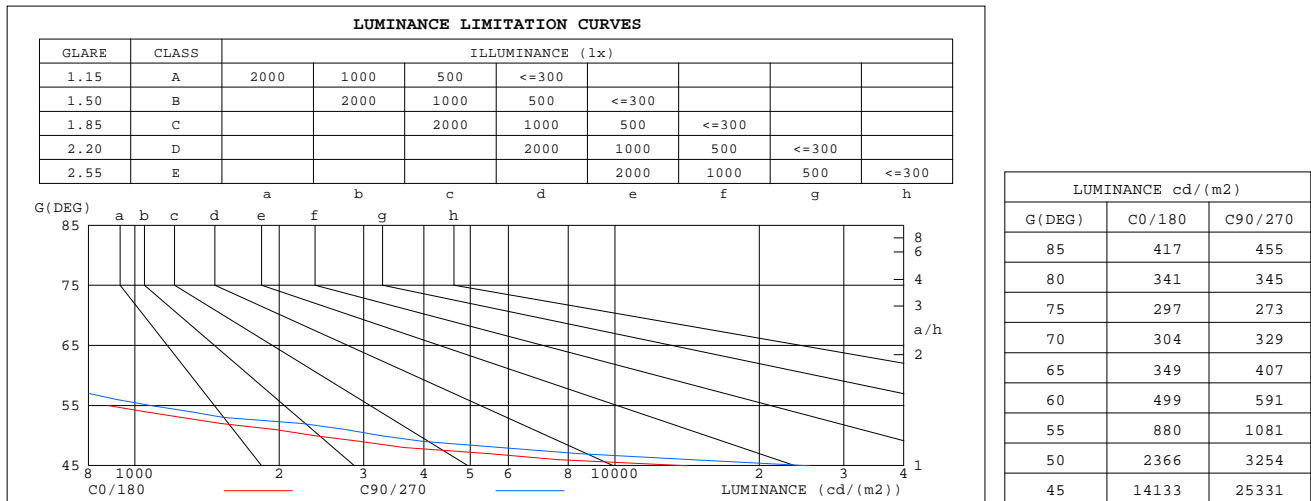
| | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | | zone | total | %lum,lamp |
|-----|-----------------------|--------|--------|--------|--------|--------|--------|--------|---------|---------|-------|-----------|
| 10 | 1530 | 1569 | 1564 | 1562 | 1515 | 1531 | 1526 | 1555 | 0- 10 | 151.5 | 151.5 | 13.2,8.39 |
| 20 | 1300 | 1299 | 1305 | 1244 | 1187 | 1144 | 1206 | 1229 | 10- 20 | 395.9 | 547.4 | 47.7,30.3 |
| 30 | 634.5 | 696.6 | 650.7 | 587.0 | 464.4 | 445.5 | 436.9 | 560.9 | 20- 30 | 415.7 | 963.0 | 83.9,53.3 |
| 40 | 86.20 | 109.7 | 107.0 | 83.33 | 47.11 | 42.73 | 36.31 | 67.77 | 30- 40 | 168.4 | 1131 | 98.6,62.7 |
| 50 | 1.555 | 3.608 | 2.143 | 3.160 | 1.130 | 1.392 | 0.7791 | 1.580 | 40- 50 | 15.71 | 1147 | 99.9,63.5 |
| 60 | 0.2553 | 0.3005 | 0.3028 | 0.2806 | 0.2267 | 0.2073 | 0.2020 | 0.2063 | 50- 60 | 0.6604 | 1148 | 100,63.6 |
| 70 | 0.1063 | 0.1026 | 0.1154 | 0.1015 | 0.1047 | 0.0828 | 0.0873 | 0.0768 | 60- 70 | 0.1519 | 1148 | 100,63.6 |
| 80 | 0.0605 | 0.0470 | 0.0614 | 0.0457 | 0.0570 | 0.0333 | 0.0450 | 0.0332 | 70- 80 | 0.0704 | 1148 | 100,63.6 |
| 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 80- 90 | 0.0277 | 1148 | 100,63.6 |
| 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 90-100 | 0 | 1148 | 100,63.6 |
| 110 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100-110 | 0 | 1148 | 100,63.6 |
| 120 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 110-120 | 0 | 1148 | 100,63.6 |
| 130 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 120-130 | 0 | 1148 | 100,63.6 |
| 140 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 130-140 | 0 | 1148 | 100,63.6 |
| 150 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 140-150 | 0 | 1148 | 100,63.6 |
| 160 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 150-160 | 0 | 1148 | 100,63.6 |
| 170 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 160-170 | 0 | 1148 | 100,63.6 |
| 180 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 170-180 | 0 | 1148 | 100,63.6 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2024-7-19

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-1082C 50R
DRIVER:PUP20A-1WMC 450mA
30minutes warm-up

LUMINANCE LIMITATION CURVES

| | | |
|---|------------------|------------------------|
| Test:U:120.18V I:0.1578A P:18.853W PF:0.9931 Freq:59.98Hz Lamp Flux:1805.6lx1 lm | | |
| NAME: 2418.104-LEA-14 | TYPE: | WEIGHT: |
| SPEC.: 3000K | DIM.: | SERIAL No.: 2407190925 |
| MFR.: RISE | SUR.: 0.001024m2 | Shielding Angle: |



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2024-7-19

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-1082C 50R
DRIVER:PUP20A-1WMC 450mA
30minutes warm-up

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.18V I:0.1578A P:18.853W PF:0.9931 Freq:59.98Hz
Lamp Flux:1805.61x1 lm

NAME: 2418.104-LEA-14

TYPE:

WEIGHT:

SPEC.: 3000K

DIM.:

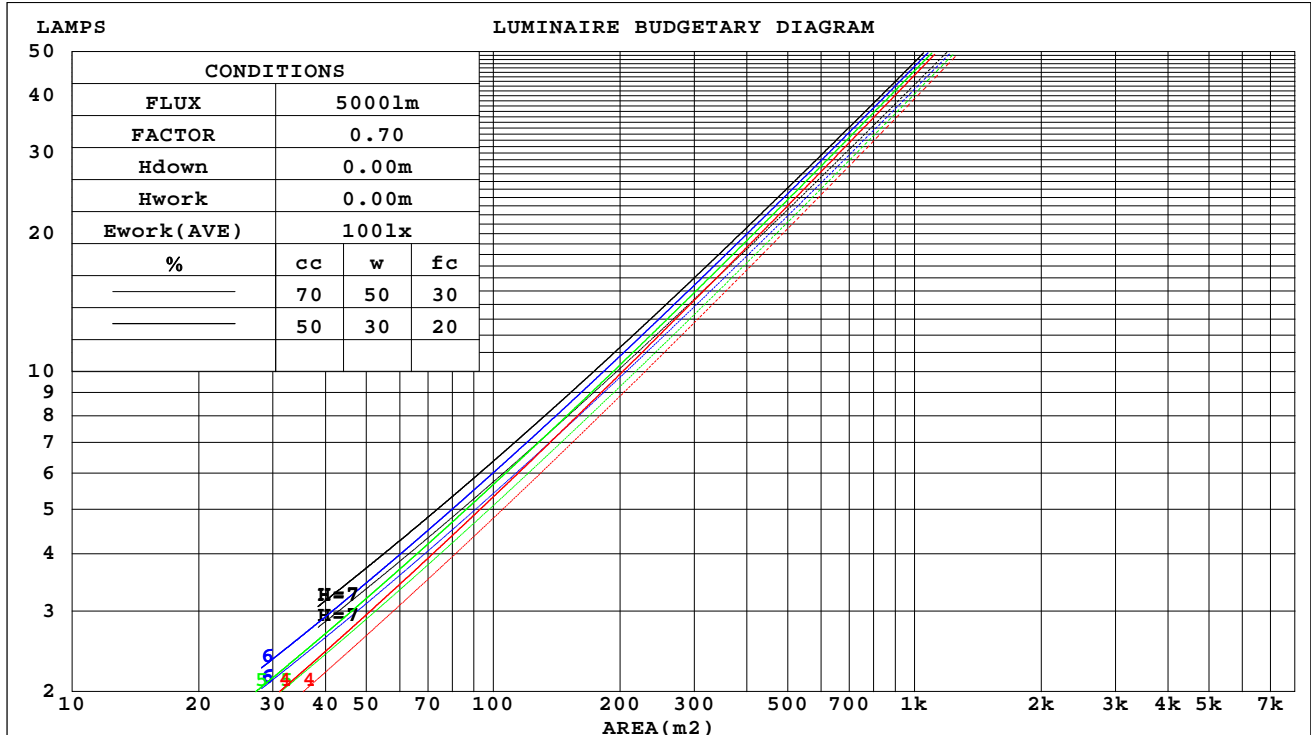
SERIAL No.: 2407190925

MFR.: RISE

SUR.: 0.001024m2

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 °C
Operators:zoe
Test Date:2024-7-19

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-1082C 50R
DRIVER:PUP20A-1WMC 450mA
30minutes warm-up

WEC AND CCEC

| | | |
|---|------------------|------------------------|
| Test:U:120.18V I:0.1578A P:18.853W PF:0.9931 Freq:59.98Hz Lamp Flux:1805.6lx1 lm | | |
| NAME: 2418.104-LEA-14 | TYPE: | WEIGHT: |
| SPEC.: 3000K | DIM.: | SERIAL No.: 2407190925 |
| MFR.: RISE | SUR.: 0.001024m2 | 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 | .104 | .059 | .019 | .100 | .057 | .018 | .092 | .053 | .017 | .085 | .049 | .016 | .078 | .045 | .015 | |
| 2.0 | .099 | .054 | .017 | .095 | .053 | .016 | .089 | .049 | .015 | .083 | .046 | .014 | .077 | .043 | .014 | |
| 3.0 | .094 | .050 | .015 | .091 | .049 | .015 | .085 | .046 | .014 | .080 | .044 | .013 | .075 | .042 | .013 | |
| 4.0 | .089 | .046 | .014 | .087 | .045 | .013 | .082 | .043 | .013 | .077 | .042 | .013 | .073 | .040 | .012 | |
| 5.0 | .085 | .043 | .013 | .083 | .043 | .012 | .079 | .041 | .012 | .075 | .040 | .012 | .071 | .038 | .011 | |
| 6.0 | .082 | .041 | .012 | .080 | .040 | .012 | .076 | .039 | .011 | .072 | .038 | .011 | .069 | .036 | .011 | |
| 7.0 | .078 | .039 | .011 | .076 | .038 | .011 | .073 | .037 | .011 | .070 | .036 | .010 | .067 | .035 | .010 | |
| 8.0 | .075 | .037 | .010 | .073 | .036 | .010 | .071 | .035 | .010 | .068 | .034 | .010 | .065 | .033 | .010 | |
| 9.0 | .072 | .035 | .010 | .071 | .034 | .010 | .068 | .034 | .010 | .066 | .033 | .009 | .063 | .032 | .009 | |
| 10.0 | .069 | .033 | .009 | .068 | .033 | .009 | .066 | .032 | .009 | .064 | .032 | .009 | .061 | .031 | .009 | |

| 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 | .121 | .121 | .121 | .104 | .104 | .104 | .071 | .071 | .071 | .041 | .041 | .041 | .013 | .013 | .013 | |
| 1.0 | .108 | .100 | .093 | .093 | .086 | .080 | .063 | .059 | .055 | .036 | .034 | .032 | .012 | .011 | .010 | |
| 2.0 | .098 | .084 | .073 | .084 | .073 | .063 | .058 | .050 | .044 | .033 | .029 | .026 | .011 | .009 | .008 | |
| 3.0 | .090 | .072 | .058 | .077 | .062 | .050 | .053 | .043 | .035 | .030 | .025 | .021 | .010 | .008 | .007 | |
| 4.0 | .083 | .063 | .047 | .071 | .054 | .041 | .049 | .038 | .029 | .028 | .022 | .017 | .009 | .007 | .006 | |
| 5.0 | .077 | .055 | .039 | .066 | .048 | .034 | .046 | .033 | .024 | .026 | .020 | .014 | .008 | .006 | .005 | |
| 6.0 | .072 | .049 | .033 | .062 | .043 | .028 | .043 | .030 | .020 | .025 | .018 | .012 | .008 | .006 | .004 | |
| 7.0 | .068 | .044 | .028 | .058 | .038 | .024 | .040 | .027 | .017 | .023 | .016 | .010 | .008 | .005 | .003 | |
| 8.0 | .064 | .040 | .024 | .055 | .035 | .021 | .038 | .024 | .015 | .022 | .014 | .009 | .007 | .005 | .003 | |
| 9.0 | .061 | .037 | .021 | .053 | .032 | .018 | .036 | .022 | .013 | .021 | .013 | .008 | .007 | .004 | .003 | |
| 10.0 | .058 | .034 | .018 | .050 | .030 | .016 | .035 | .021 | .011 | .020 | .012 | .007 | .007 | .004 | .002 | |

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2024-7-19

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-1082C 50R
DRIVER:PUP20A-1WMC 450mA
30minutes warm-up

UGR(Unified Glare Rating) Table

| | | | | | | | | | | |
|---|------------------|------|------|------|------------------|----------------|------|------------------------|------|------|
| Test:U:120.18V I:0.1578A P:18.853W PF:0.9931 Freq:59.98Hz Lamp Flux:1805.61x1 lm | | | | | | | | | | |
| NAME: 2418.104-LEA-14 | | | | | TYPE: | | | WEIGHT: | | |
| SPEC.: 3000K | | | | | DIM.: | | | SERIAL No.: 2407190925 | | |
| MFR.: RISE | | | | | SUR.: 0.001024m2 | | | 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 | 21.5 | 22.3 | 21.7 | 22.5 | 22.6 | 21.7 | 22.6 | 22.0 | 22.8 | 22.9 |
| 3H | 21.3 | 22.1 | 21.6 | 22.3 | 22.5 | 21.6 | 22.4 | 21.8 | 22.6 | 22.8 |
| 4H | 21.2 | 22.0 | 21.5 | 22.2 | 22.4 | 21.5 | 22.2 | 21.8 | 22.5 | 22.7 |
| 6H | 21.1 | 21.8 | 21.4 | 22.1 | 22.3 | 21.4 | 22.1 | 21.7 | 22.3 | 22.6 |
| 8H | 21.1 | 21.8 | 21.4 | 22.0 | 22.3 | 21.4 | 22.0 | 21.7 | 22.3 | 22.5 |
| 12H | 21.0 | 21.7 | 21.4 | 21.9 | 22.2 | 21.3 | 22.0 | 21.6 | 22.2 | 22.5 |
| 4H 2H | 21.2 | 22.0 | 21.5 | 22.2 | 22.4 | 21.5 | 22.2 | 21.8 | 22.5 | 22.7 |
| 3H | 21.0 | 21.7 | 21.4 | 21.9 | 22.2 | 21.3 | 22.0 | 21.6 | 22.2 | 22.5 |
| 4H | 20.9 | 21.5 | 21.3 | 21.8 | 22.1 | 21.2 | 21.8 | 21.6 | 22.1 | 22.4 |
| 6H | 20.8 | 21.4 | 21.2 | 21.7 | 22.0 | 21.1 | 21.6 | 21.5 | 22.0 | 22.3 |
| 8H | 20.8 | 21.3 | 21.2 | 21.6 | 22.0 | 21.1 | 21.5 | 21.5 | 21.9 | 22.3 |
| 12H | 20.7 | 21.2 | 21.1 | 21.5 | 21.9 | 21.0 | 21.5 | 21.4 | 21.8 | 22.2 |
| 8H 4H | 20.8 | 21.3 | 21.2 | 21.6 | 22.0 | 21.1 | 21.5 | 21.5 | 21.9 | 22.3 |
| 6H | 20.7 | 21.1 | 21.1 | 21.5 | 21.9 | 21.0 | 21.4 | 21.4 | 21.8 | 22.2 |
| 8H | 20.6 | 21.0 | 21.1 | 21.4 | 21.8 | 20.9 | 21.3 | 21.4 | 21.7 | 22.1 |
| 12H | 20.6 | 20.9 | 21.0 | 21.3 | 21.8 | 20.9 | 21.1 | 21.3 | 21.6 | 22.1 |
| 12H 4H | 20.7 | 21.2 | 21.1 | 21.5 | 21.9 | 21.0 | 21.5 | 21.4 | 21.8 | 22.2 |
| 6H | 20.6 | 21.0 | 21.1 | 21.4 | 21.8 | 20.9 | 21.3 | 21.4 | 21.7 | 22.1 |
| 8H | 20.6 | 20.9 | 21.0 | 21.3 | 21.8 | 20.9 | 21.1 | 21.3 | 21.6 | 22.1 |
| Variations with the observer position at spacings(CIE Pub.117): | | | | | | | | | | |
| S = 1.0H | + 4.1 / -29.0 | | | | | + 4.0 / -29.2 | | | | |
| 1.5H | + 6.8 / -24.8 | | | | | + 6.8 / -24.9 | | | | |
| 2.0H | + 7.4 / -12.7 | | | | | + 8.5 / -15.0 | | | | |

CIE Pub.117, 1806 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 2.1)
Area: 0.001024 m2

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2024-7-19

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-1082C 50R
DRIVER:PUP20A-1WMC 450mA
30minutes warm-up

UTILIZATION FACTORS TABLE

| | | |
|---|------------------|------------------------|
| Test:U:120.18V I:0.1578A P:18.853W PF:0.9931 Freq:59.98Hz Lamp Flux:1805.6lx1 lm | | |
| NAME: 2418.104-LEA-14 | TYPE: | WEIGHT: |
| SPEC.: 3000K | DIM.: | SERIAL No.: 2407190925 |
| MFR.: RISE | SUR.: 0.001024m2 | Shielding Angle: |

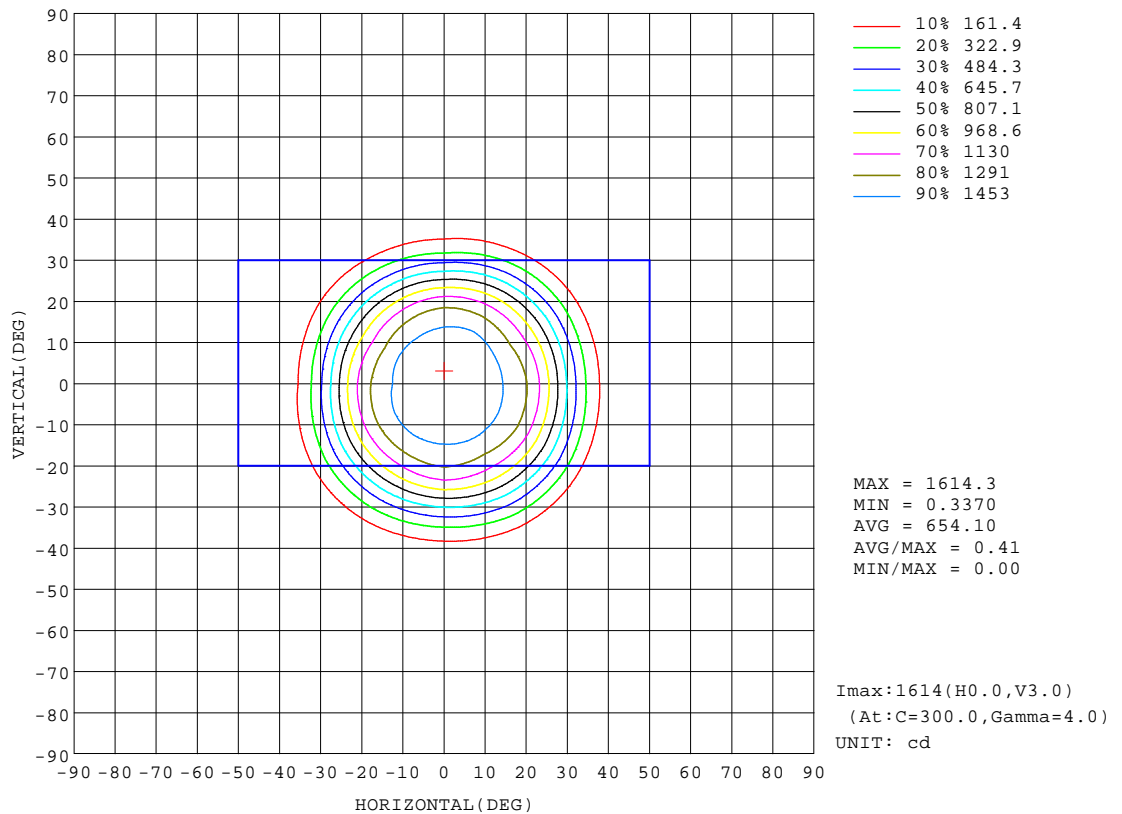
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|---|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 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 | 58 | 54 | 52 | 57 | 54 | 52 | 57 | 54 | 52 | 50 |
| 0.80 | 62 | 59 | 57 | 62 | 59 | 57 | 61 | 58 | 56 | 54 |
| 1.00 | 65 | 61 | 59 | 64 | 61 | 59 | 63 | 61 | 59 | 56 |
| 1.25 | 67 | 64 | 62 | 66 | 64 | 62 | 65 | 63 | 61 | 59 |
| 1.50 | 68 | 66 | 64 | 68 | 65 | 63 | 66 | 64 | 63 | 60 |
| 2.00 | 70 | 67 | 66 | 69 | 67 | 65 | 67 | 65 | 64 | 61 |
| 2.50 | 71 | 69 | 67 | 70 | 68 | 66 | 68 | 66 | 65 | 61 |
| 3.00 | 72 | 70 | 68 | 70 | 69 | 67 | 68 | 67 | 66 | 62 |
| 4.00 | 73 | 71 | 70 | 72 | 70 | 69 | 69 | 68 | 67 | 63 |
| 5.00 | 74 | 72 | 71 | 72 | 71 | 70 | 70 | 69 | 68 | 64 |
| 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°C
Operators:zoe
Test Date:2024-7-19

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-1082C 50R
DRIVER:PUP20A-1WMC 450mA
30minutes warm-up

ISOCANDELA DIAGRAM

| | | |
|---|------------------|------------------------|
| Test:U:120.18V I:0.1578A P:18.853W PF:0.9931 Freq:59.98Hz Lamp Flux:1805.6lx1 lm | | |
| NAME: 2418.104-LEA-14 | TYPE: | WEIGHT: |
| SPEC.: 3000K | DIM.: | SERIAL No.: 2407190925 |
| MFR.: RISE | SUR.: 0.001024m2 | Shielding Angle: |

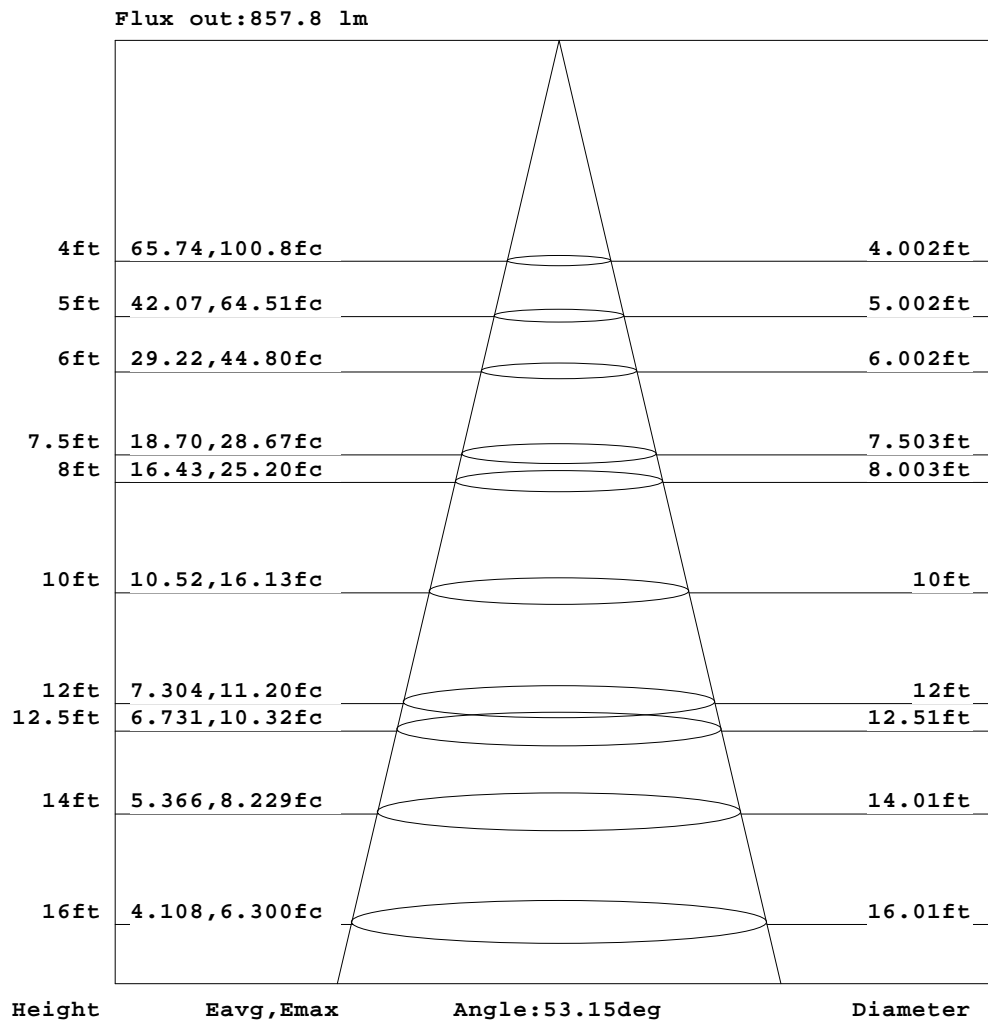


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: zoe
Test Date: 2024-7-19

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-1082C 50R
DRIVER: PUP20A-1WMC 450mA
30minutes warm-up

AAI Figure

| | | |
|---|------------------|------------------------|
| Test:U:120.18V I:0.1578A P:18.853W PF:0.9931 Freq:59.98Hz Lamp Flux:1805.6lx1 lm | | |
| NAME: 2418.104-LEA-14 | TYPE: | WEIGHT: |
| SPEC.: 3000K | DIM.: | SERIAL No.: 2407190925 |
| MFR.: RISE | SUR.: 0.001024m2 | Shielding Angle: |



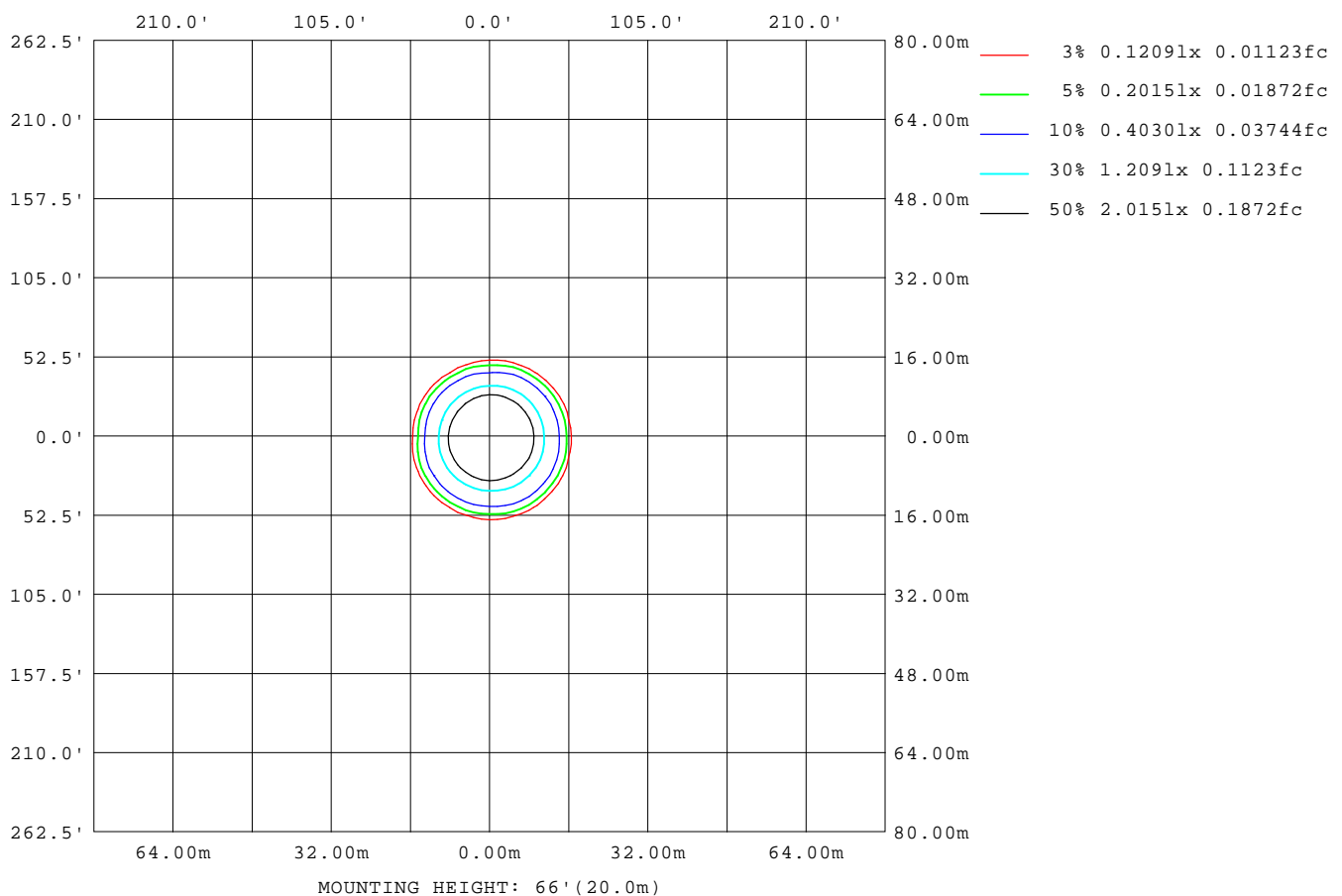
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: zoe
Test Date: 2024-7-19

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-1082C 50R
DRIVER: PUP20A-1WMC 450mA
30minutes warm-up

ISOLUX DIAGRAM

| | | |
|---|------------------|------------------------|
| Test:U:120.18V I:0.1578A P:18.853W PF:0.9931 Freq:59.98Hz Lamp Flux:1805.6lx1 lm | | |
| NAME: 2418.104-LEA-14 | TYPE: | WEIGHT: |
| SPEC.: 3000K | DIM.: | SERIAL No.: 2407190925 |
| MFR.: RISE | SUR.: 0.001024m2 | Shielding Angle: |



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:zoe
Test Date:2024-7-19

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-1082C 50R
DRIVER:PUP20A-1WMC 450mA
30minutes warm-up

LED Avg.L Report

| | | |
|---|------------------|------------------------|
| Test:U:120.18V I:0.1578A P:18.853W PF:0.9931 Freq:59.98Hz Lamp Flux:1805.61x1 lm | | |
| NAME: 2418.104-LEA-14 | TYPE: | WEIGHT: |
| SPEC.: 3000K | DIM.: | SERIAL No.: 2407190925 |
| MFR.: RISE | SUR.: 0.001024m2 | Shielding Angle: |

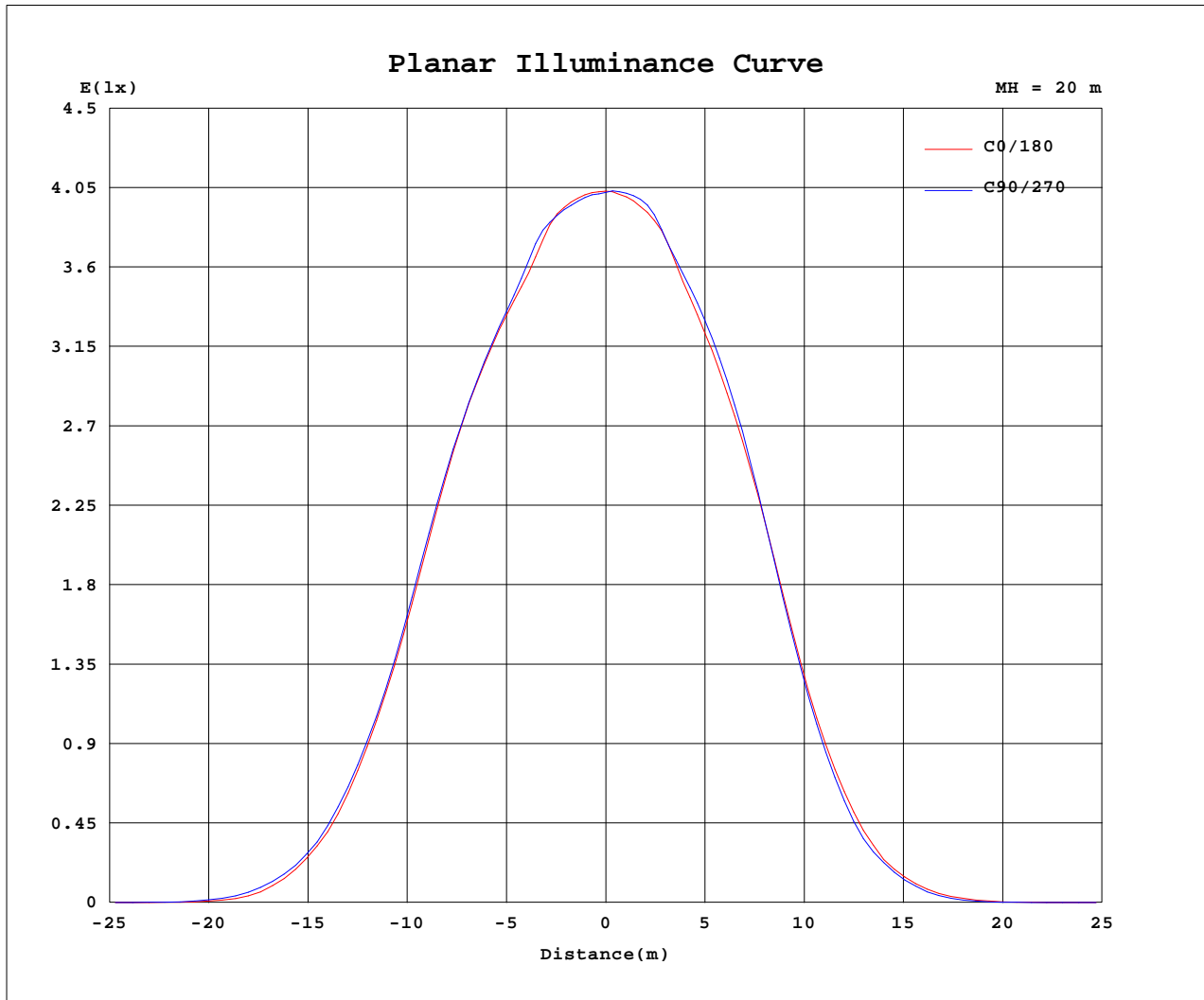
| AvgL | cd/m2 |
|----------------|-------|
| L_0~180(65)av | 344 |
| L_0~180(75)av | 303 |
| L_0~180(85)av | 365 |
| L_90~270(65)av | 349 |
| L_90~270(75)av | 254 |
| L_90~270(85)av | 349 |
| L_45(65)av | 328 |
| L_45(75)av | 220 |
| L_45(85)av | 202 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2024-7-19

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-1082C 50R
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: 2024-7-19

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-1082C 50R
DRIVER: PUP20A-1WMC 450mA
30minutes warm-up



LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|---|------------------|------------------------|
| Test:U:120.18V I:0.1578A P:18.853W PF:0.9931 Freq:59.98Hz Lamp Flux:1805.61x1 lm | | |
| NAME: 2418.104-LEA-14 | TYPE: | WEIGHT: |
| SPEC.: 3000K | DIM.: | SERIAL No.: 2407190925 |
| MFR.: RISE | SUR.: 0.001024m2 | Shielding Angle: |

Table--1

UNIT: cd

| C(DEG) (DEG) | 0 | 30 | 60 | 90 | 120 | 150 | 180 | 210 | 240 | 270 | 300 | 330 | | | | | | |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|--|--|--|--|
| 0 | 1610 | 1610 | 1610 | 1610 | 1610 | 1610 | 1610 | 1610 | 1610 | 1610 | 1610 | 1610 | | | | | | |
| 5 | 1604 | 1601 | 1599 | 1599 | 1599 | 1597 | 1594 | 1599 | 1607 | 1613 | 1613 | 1611 | | | | | | |
| 10 | 1530 | 1558 | 1580 | 1564 | 1569 | 1556 | 1515 | 1539 | 1523 | 1526 | 1554 | 1556 | | | | | | |
| 15 | 1439 | 1452 | 1456 | 1448 | 1440 | 1425 | 1386 | 1366 | 1388 | 1420 | 1440 | 1424 | | | | | | |
| 20 | 1300 | 1317 | 1280 | 1305 | 1256 | 1231 | 1187 | 1129 | 1158 | 1206 | 1227 | 1232 | | | | | | |
| 25 | 1007 | 1048 | 1034 | 1028 | 969 | 922 | 842 | 810 | 810 | 830 | 906 | 957 | | | | | | |
| 30 | 635 | 697 | 696 | 651 | 613 | 561 | 464 | 454 | 437 | 437 | 526 | 595 | | | | | | |
| 35 | 293 | 361 | 368 | 318 | 299 | 259 | 178 | 184 | 162 | 165 | 220 | 272 | | | | | | |
| 40 | 86.2 | 105 | 114 | 107 | 91.5 | 75.2 | 47.1 | 46.2 | 39.2 | 36.3 | 55.8 | 79.8 | | | | | | |
| 45 | 10.2 | 22.0 | 22.5 | 18.3 | 20.4 | 18.0 | 5.64 | 9.55 | 6.90 | 3.13 | 9.39 | 14.2 | | | | | | |
| 50 | 1.56 | 3.18 | 4.03 | 2.14 | 3.39 | 2.93 | 1.13 | 1.50 | 1.28 | 0.78 | 1.42 | 1.74 | | | | | | |
| 55 | 0.52 | 0.85 | 0.94 | 0.63 | 0.82 | 0.72 | 0.38 | 0.41 | 0.38 | 0.34 | 0.39 | 0.43 | | | | | | |
| 60 | 0.26 | 0.29 | 0.31 | 0.30 | 0.29 | 0.27 | 0.23 | 0.21 | 0.21 | 0.20 | 0.20 | 0.21 | | | | | | |
| 65 | 0.15 | 0.16 | 0.17 | 0.18 | 0.17 | 0.15 | 0.15 | 0.13 | 0.13 | 0.13 | 0.12 | 0.13 | | | | | | |
| 70 | 0.11 | 0.10 | 0.11 | 0.12 | 0.10 | 0.10 | 0.10 | 0.08 | 0.08 | 0.09 | 0.08 | 0.08 | | | | | | |
| 75 | 0.08 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.08 | 0.06 | 0.05 | 0.06 | 0.05 | 0.05 | | | | | | |
| 80 | 0.06 | 0.05 | 0.05 | 0.06 | 0.05 | 0.04 | 0.06 | 0.04 | 0.03 | 0.05 | 0.03 | 0.04 | | | | | | |
| 85 | 0.04 | 0.02 | 0.03 | 0.04 | 0.03 | 0.02 | 0.03 | 0.01 | 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
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Operators:zoe
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