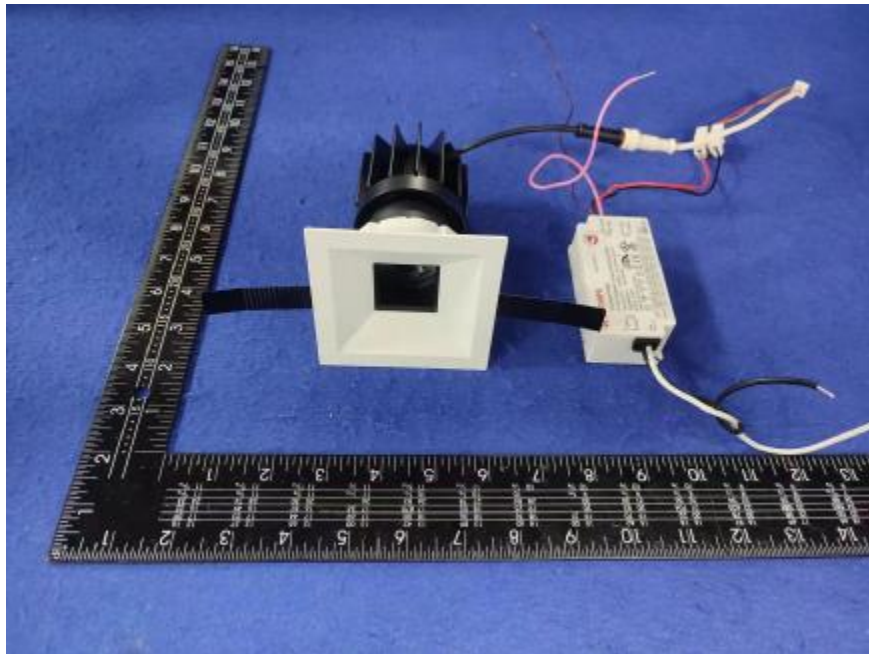


Luminaire Photograph



| | | |
|---------------------|---------|--------------------------|
| Light Output Ratio: | 63.9% | |
| Luminaire Power: | 18.88 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: 2024-7-20

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

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

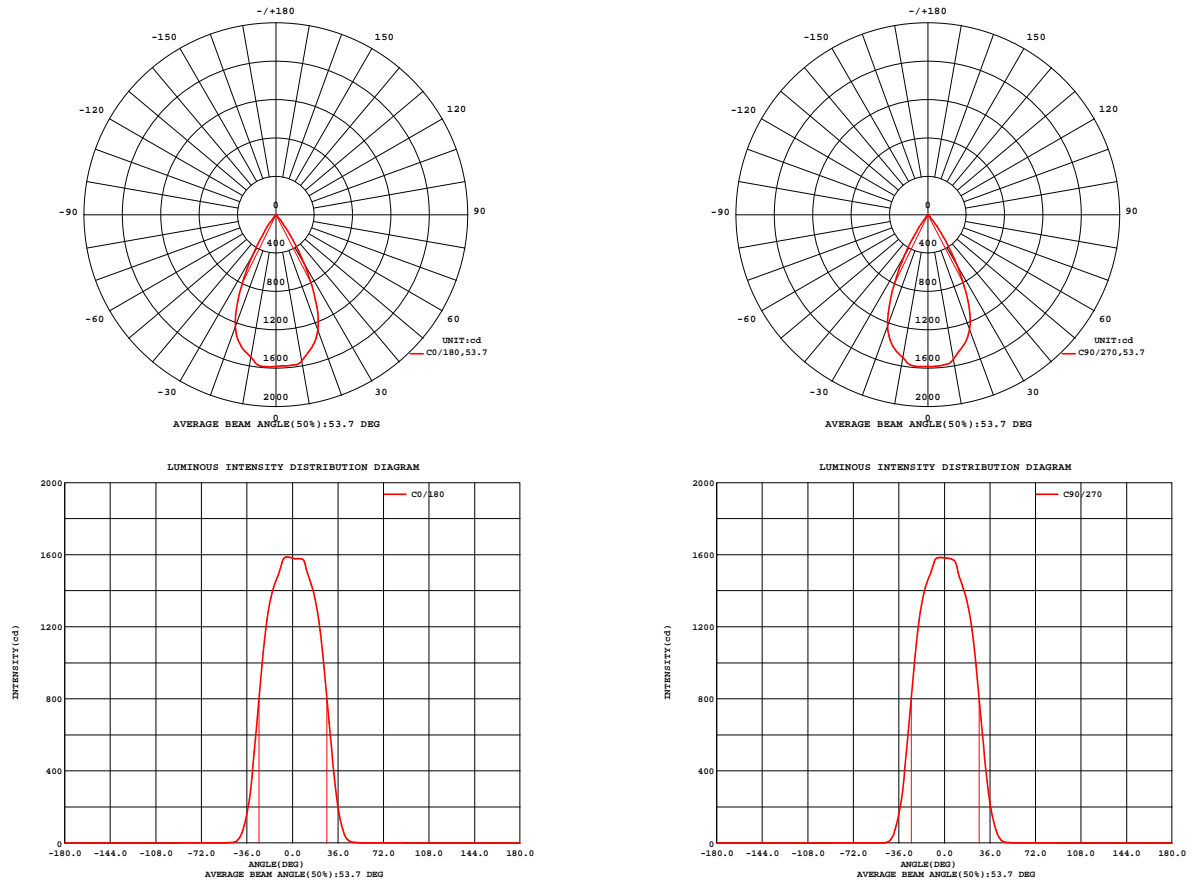


Fig. C0/C180

Fig. C90/C270

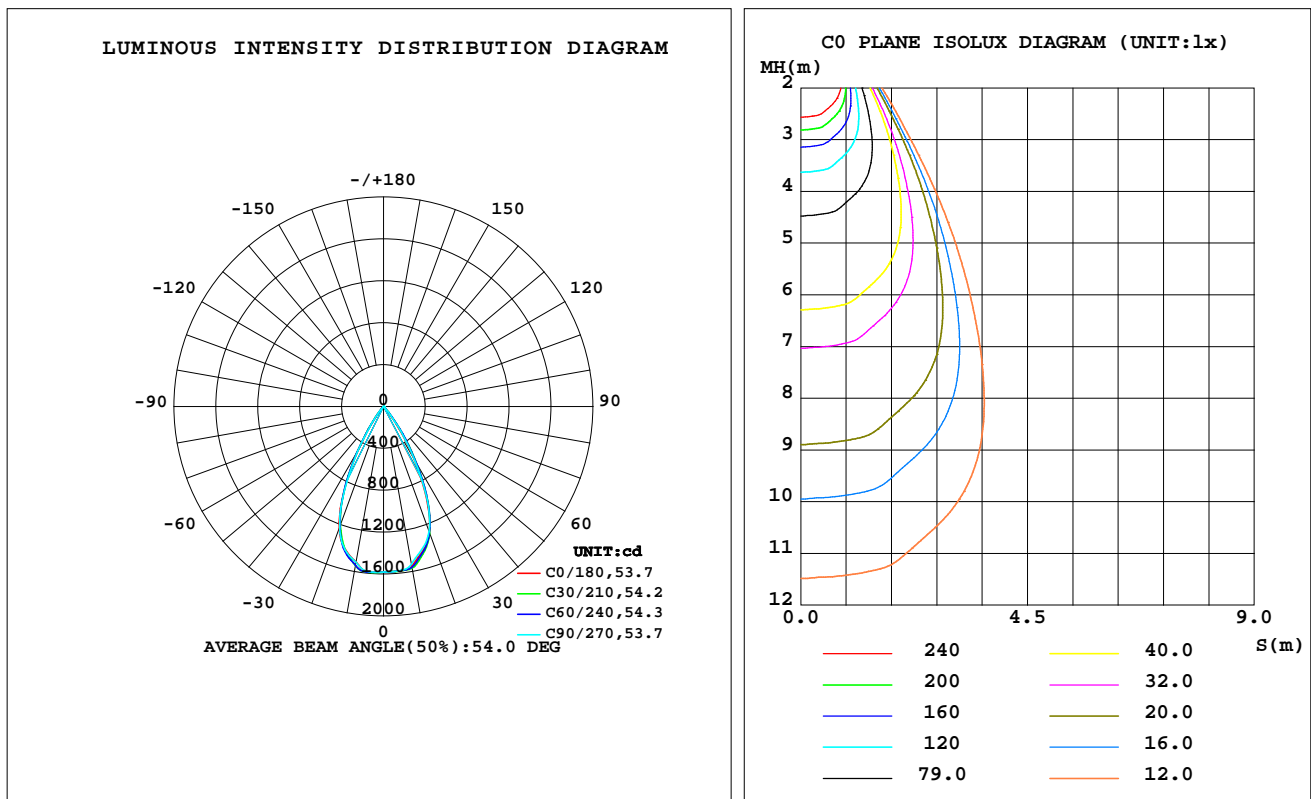
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3 °C
Operators: zoe
Test Date: 2024-7-20

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

LUMINAIRE PHOTOMETRIC TEST REPORT

| | | |
|-------------------------------------------------------------------------------------|------------------|------------------------|
| Test:U:120.08V I:0.1581A P:18.885W PF:0.9938 Freq:59.98Hz Lamp Flux:1805.61x1 lm | | |
| NAME: 2418.107-LEA-14 | TYPE: | WEIGHT: |
| SPEC.: 3000K | DIM.: | SERIAL No.: 2407200933 |
| MFR.: RISE | SUR.: 0.004624m2 | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 61.09 lm/W | | | |
|------------------|-----------|----------------------------------|--------|-----------------|----------|
| MODEL | Brideglux | Imax(cd) | 1590 | S/MH(C0/180) | 0.78 |
| NOMINAL POWER(W) | 18 | LOR(%) | 63.9 | S/MH(C90/270) | 0.78 |
| RATED VOLTAGE(V) | 120 | TOTAL FLUX(lm) | 1153.6 | UP,DN(C0-180) | 0.0,33.2 |
| NOMINAL FLUX(lm) | 1805.61 | CIE CLASS | DIRECT | UP,DN(C180-360) | 0.0,30.7 |
| LAMPS INSIDE | 1 | up(%) | 0.0 | CIBSE SHR NOM | 0.75 |
| TEST VOLTAGE(V) | 120 | down(%) | 63.9 | CIBSE SHR MAX | 0.85 |



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

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



ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

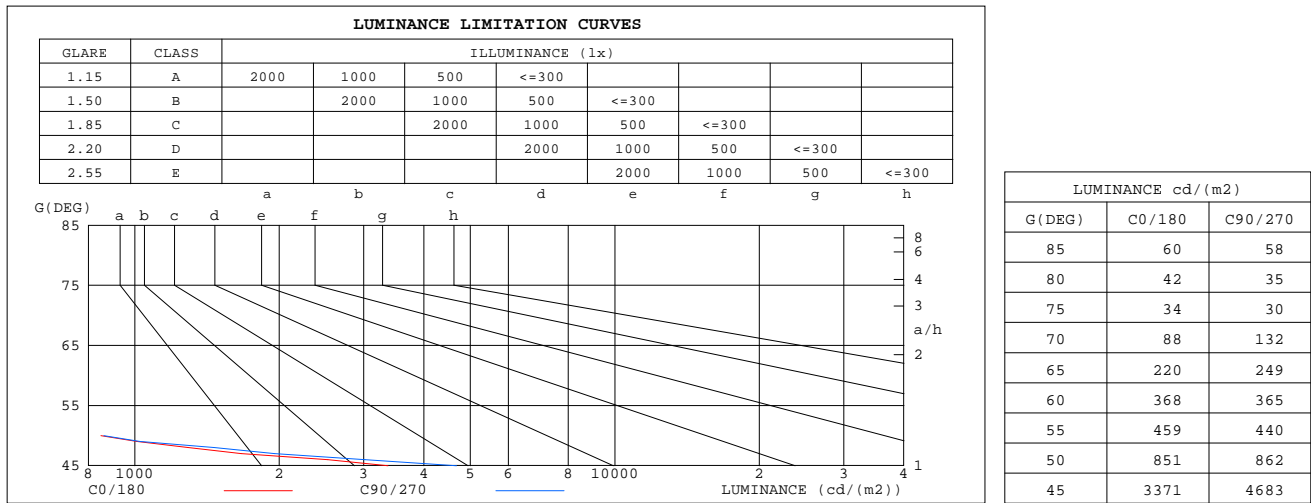
| | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | | zone | total | %lum,lamp |
|-----|-----------------------|--------|--------|--------|--------|--------|--------|--------|---------|---------|-------|-----------|
| 10 | 1550 | 1564 | 1530 | 1542 | 1509 | 1543 | 1512 | 1544 | 0- 10 | 150.0 | 150.0 | 13,8.31 |
| 20 | 1279 | 1286 | 1271 | 1238 | 1240 | 1214 | 1232 | 1231 | 10- 20 | 397.0 | 546.9 | 47.4,30.3 |
| 30 | 594.9 | 645.5 | 608.3 | 586.6 | 505.6 | 513.6 | 494.8 | 573.5 | 20- 30 | 421.2 | 968.2 | 83.9,53.6 |
| 40 | 73.14 | 100.5 | 93.64 | 84.20 | 53.35 | 53.35 | 49.44 | 59.96 | 30- 40 | 167.7 | 1136 | 98.5,62.9 |
| 50 | 2.525 | 4.709 | 2.563 | 3.916 | 1.991 | 1.894 | 0.7226 | 1.888 | 40- 50 | 16.13 | 1152 | 99.9,63.8 |
| 60 | 0.8502 | 0.9316 | 0.8442 | 0.9255 | 0.8715 | 0.4639 | 0.3206 | 0.3903 | 50- 60 | 1.106 | 1153 | 100,63.9 |
| 70 | 0.1395 | 0.2879 | 0.2086 | 0.2747 | 0.1341 | 0.1181 | 0.0773 | 0.1158 | 60- 70 | 0.4177 | 1154 | 100,63.9 |
| 80 | 0.0338 | 0.0233 | 0.0282 | 0.0234 | 0.0313 | 0.0224 | 0.0304 | 0.0197 | 70- 80 | 0.0685 | 1154 | 100,63.9 |
| 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 80- 90 | 0.0191 | 1154 | 100,63.9 |
| 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 90-100 | 0 | 1154 | 100,63.9 |
| 110 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100-110 | 0 | 1154 | 100,63.9 |
| 120 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 110-120 | 0 | 1154 | 100,63.9 |
| 130 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 120-130 | 0 | 1154 | 100,63.9 |
| 140 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 130-140 | 0 | 1154 | 100,63.9 |
| 150 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 140-150 | 0 | 1154 | 100,63.9 |
| 160 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 150-160 | 0 | 1154 | 100,63.9 |
| 170 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 160-170 | 0 | 1154 | 100,63.9 |
| 180 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 170-180 | 0 | 1154 | 100,63.9 |
| 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-1082C 50R
DRIVER:PUP20A-1WMC 450mA
30minutes warm-up

LUMINANCE LIMITATION CURVES

| | | |
|-------------------------------------------------------------------------------------|------------------|------------------------|
| Test:U:120.08V I:0.1581A P:18.885W PF:0.9938 Freq:59.98Hz Lamp Flux:1805.6lx1 lm | | |
| NAME: 2418.107-LEA-14 | TYPE: | WEIGHT: |
| SPEC.: 3000K | DIM.: | SERIAL No.: 2407200933 |
| 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-1082C 50R
DRIVER:PUP20A-1WMC 450mA
30minutes warm-up

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.08V I:0.1581A P:18.885W PF:0.9938 Freq:59.98Hz
Lamp Flux:1805.61x1 lm

NAME: 2418.107-LEA-14

TYPE:

WEIGHT:

SPEC.: 3000K

DIM.:

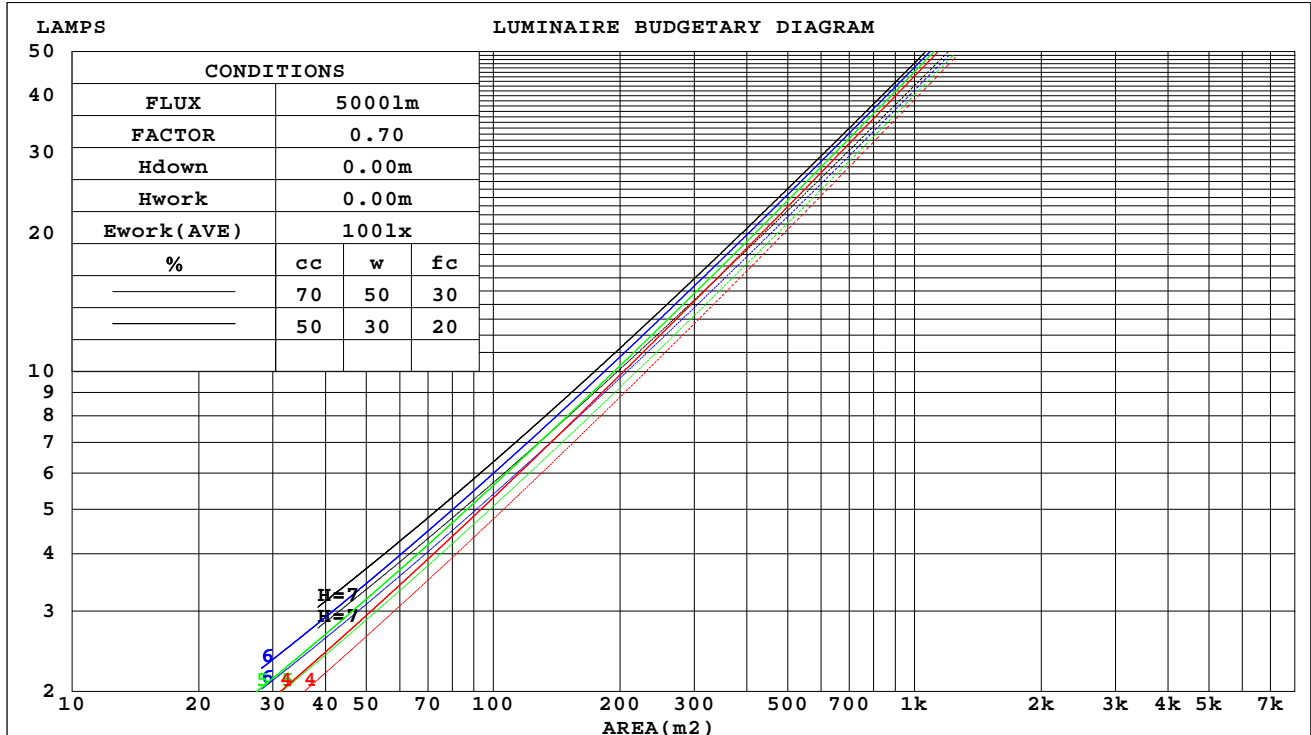
SERIAL No.: 2407200933

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

WEC AND CCEC

| | | |
|-------------------------------------------------------------------------------------|------------------|------------------------|
| Test:U:120.08V I:0.1581A P:18.885W PF:0.9938 Freq:59.98Hz Lamp Flux:1805.61x1 lm | | |
| NAME: 2418.107-LEA-14 | TYPE: | WEIGHT: |
| SPEC.: 3000K | DIM.: | SERIAL No.: 2407200933 |
| 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 | .105 | .060 | .019 | .101 | .057 | .018 | .093 | .053 | .017 | .085 | .049 | .016 | .078 | .045 | .015 | |
| 2.0 | .100 | .055 | .017 | .096 | .053 | .016 | .089 | .050 | .015 | .083 | .047 | .015 | .077 | .044 | .014 | |
| 3.0 | .095 | .050 | .015 | .092 | .049 | .015 | .086 | .047 | .014 | .081 | .044 | .014 | .076 | .042 | .013 | |
| 4.0 | .090 | .047 | .014 | .087 | .046 | .014 | .083 | .044 | .013 | .078 | .042 | .013 | .074 | .040 | .012 | |
| 5.0 | .086 | .044 | .013 | .084 | .043 | .013 | .079 | .041 | .012 | .075 | .040 | .012 | .072 | .038 | .012 | |
| 6.0 | .082 | .041 | .012 | .080 | .040 | .012 | .076 | .039 | .011 | .073 | .038 | .011 | .070 | .037 | .011 | |
| 7.0 | .079 | .039 | .011 | .077 | .038 | .011 | .074 | .037 | .011 | .071 | .036 | .011 | .068 | .035 | .010 | |
| 8.0 | .075 | .037 | .010 | .074 | .036 | .010 | .071 | .035 | .010 | .068 | .035 | .010 | .066 | .034 | .010 | |
| 9.0 | .072 | .035 | .010 | .071 | .035 | .010 | .069 | .034 | .010 | .066 | .033 | .009 | .064 | .032 | .009 | |
| 10.0 | .070 | .033 | .009 | .069 | .033 | .009 | .066 | .032 | .009 | .064 | .032 | .009 | .062 | .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 | .122 | .122 | .122 | .104 | .104 | .104 | .071 | .071 | .071 | .041 | .041 | .041 | .013 | .013 | .013 | | |
| 1.0 | .109 | .101 | .093 | .093 | .086 | .080 | .064 | .059 | .055 | .037 | .034 | .032 | .012 | .011 | .010 | | |
| 2.0 | .098 | .085 | .073 | .084 | .073 | .063 | .058 | .050 | .044 | .033 | .029 | .026 | .011 | .009 | .008 | | |
| 3.0 | .090 | .073 | .058 | .077 | .063 | .051 | .053 | .043 | .036 | .031 | .025 | .021 | .010 | .008 | .007 | | |
| 4.0 | .083 | .063 | .048 | .071 | .054 | .041 | .049 | .038 | .029 | .028 | .022 | .017 | .009 | .007 | .006 | | |
| 5.0 | .077 | .055 | .039 | .066 | .048 | .034 | .046 | .034 | .024 | .027 | .020 | .014 | .009 | .006 | .005 | | |
| 6.0 | .072 | .049 | .033 | .062 | .043 | .029 | .043 | .030 | .020 | .025 | .018 | .012 | .008 | .006 | .004 | | |
| 7.0 | .068 | .044 | .028 | .059 | .039 | .024 | .041 | .027 | .017 | .024 | .016 | .010 | .008 | .005 | .003 | | |
| 8.0 | .065 | .040 | .024 | .056 | .035 | .021 | .038 | .025 | .015 | .022 | .015 | .009 | .007 | .005 | .003 | | |
| 9.0 | .061 | .037 | .021 | .053 | .032 | .018 | .037 | .023 | .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:2024-7-20

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

UGR(Unified Glare Rating) Table

| | | | | | | | | | | |
|-------------------------------------------------------------------------------------|------------------|------|------|------|------------------|----------------|------|------------------------|------|------|
| Test:U:120.08V I:0.1581A P:18.885W PF:0.9938 Freq:59.98Hz Lamp Flux:1805.61x1 lm | | | | | | | | | | |
| NAME: 2418.107-LEA-14 | | | | | TYPE: | | | WEIGHT: | | |
| SPEC.: 3000K | | | | | DIM.: | | | SERIAL No.: 2407200933 | | |
| 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 | 15.6 | 16.5 | 15.8 | 16.6 | 16.8 | 15.7 | 16.6 | 15.9 | 16.7 | 16.9 |
| 3H | 15.4 | 16.2 | 15.7 | 16.4 | 16.6 | 15.5 | 16.3 | 15.8 | 16.5 | 16.7 |
| 4H | 15.4 | 16.1 | 15.6 | 16.3 | 16.5 | 15.5 | 16.2 | 15.7 | 16.4 | 16.6 |
| 6H | 15.3 | 16.0 | 15.6 | 16.2 | 16.5 | 15.4 | 16.1 | 15.7 | 16.3 | 16.6 |
| 8H | 15.2 | 15.9 | 15.5 | 16.2 | 16.4 | 15.3 | 16.0 | 15.6 | 16.3 | 16.5 |
| 12H | 15.2 | 15.8 | 15.5 | 16.1 | 16.4 | 15.3 | 15.9 | 15.6 | 16.2 | 16.5 |
| 4H 2H | 15.4 | 16.1 | 15.6 | 16.3 | 16.5 | 15.5 | 16.2 | 15.7 | 16.4 | 16.6 |
| 3H | 15.2 | 15.8 | 15.5 | 16.1 | 16.4 | 15.3 | 15.9 | 15.6 | 16.2 | 16.5 |
| 4H | 15.1 | 15.7 | 15.4 | 16.0 | 16.3 | 15.2 | 15.8 | 15.5 | 16.1 | 16.4 |
| 6H | 15.0 | 15.5 | 15.4 | 15.8 | 16.2 | 15.1 | 15.6 | 15.5 | 15.9 | 16.3 |
| 8H | 14.9 | 15.4 | 15.3 | 15.8 | 16.1 | 15.0 | 15.5 | 15.4 | 15.9 | 16.2 |
| 12H | 14.9 | 15.3 | 15.3 | 15.7 | 16.1 | 15.0 | 15.4 | 15.4 | 15.8 | 16.2 |
| 8H 4H | 14.9 | 15.4 | 15.3 | 15.8 | 16.1 | 15.0 | 15.5 | 15.4 | 15.9 | 16.2 |
| 6H | 14.8 | 15.2 | 15.3 | 15.6 | 16.0 | 14.9 | 15.3 | 15.4 | 15.7 | 16.1 |
| 8H | 14.8 | 15.1 | 15.2 | 15.5 | 16.0 | 14.9 | 15.2 | 15.3 | 15.6 | 16.1 |
| 12H | 14.7 | 15.0 | 15.2 | 15.5 | 15.9 | 14.8 | 15.1 | 15.3 | 15.6 | 16.0 |
| 12H 4H | 14.9 | 15.3 | 15.3 | 15.7 | 16.1 | 15.0 | 15.4 | 15.4 | 15.8 | 16.2 |
| 6H | 14.8 | 15.1 | 15.2 | 15.5 | 16.0 | 14.9 | 15.2 | 15.3 | 15.6 | 16.1 |
| 8H | 14.7 | 15.0 | 15.2 | 15.5 | 15.9 | 14.8 | 15.1 | 15.3 | 15.6 | 16.0 |
| Variations with the observer position at spacings(CIE Pub.117): | | | | | | | | | | |
| S = 1.0H | + 3.6 / -22.4 | | | | | + 3.9 / -23.2 | | | | |
| 1.5H | + 6.4 / -19.3 | | | | | + 6.7 / -20.4 | | | | |
| 2.0H | + 7.3 / - 8.2 | | | | | + 7.3 / - 8.6 | | | | |

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

UTILIZATION FACTORS TABLE

| | | |
|-------------------------------------------------------------------------------------|------------------|------------------------|
| Test:U:120.08V I:0.1581A P:18.885W PF:0.9938 Freq:59.98Hz Lamp Flux:1805.6lx1 lm | | |
| NAME: 2418.107-LEA-14 | TYPE: | WEIGHT: |
| SPEC.: 3000K | DIM.: | SERIAL No.: 2407200933 |
| MFR.: RISE | SUR.: 0.004624m2 | Shielding Angle: |

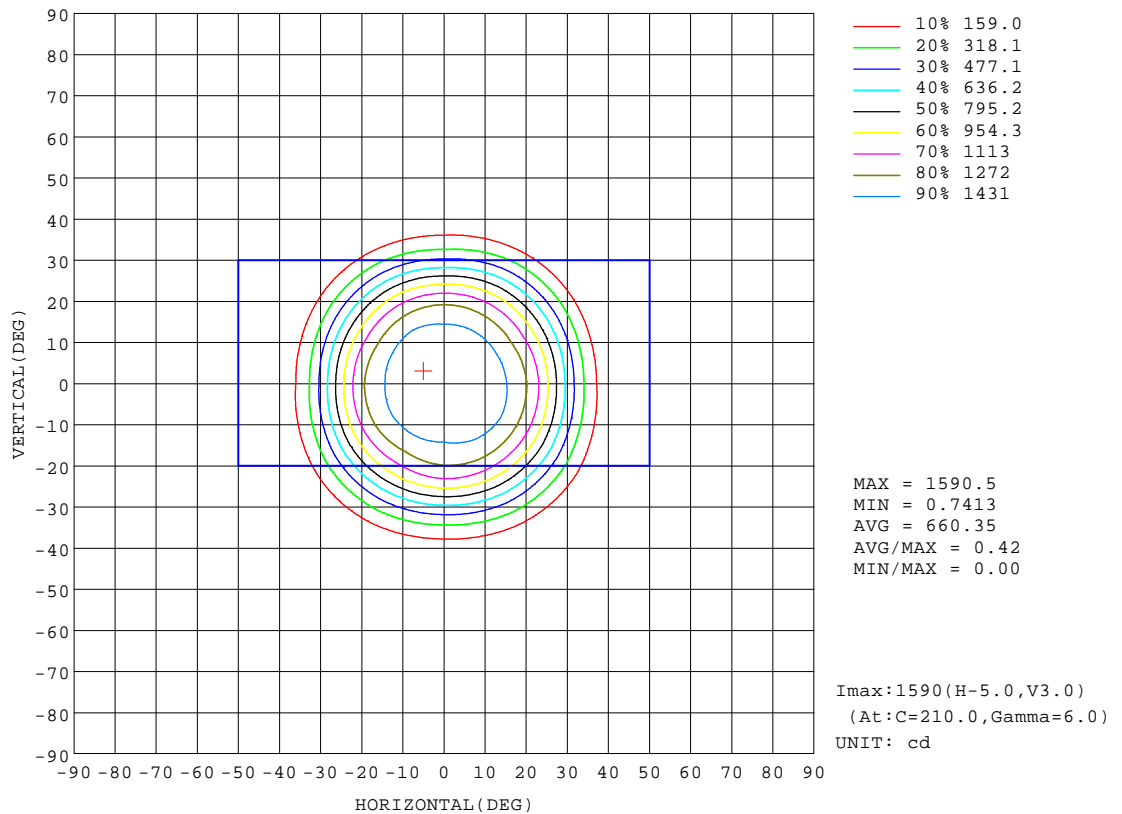
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|-----------------------------------------------------|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 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 | 58 | 54 | 52 | 58 | 54 | 52 | 57 | 54 | 52 | 50 |
| 0.80 | 62 | 59 | 57 | 62 | 59 | 57 | 61 | 58 | 57 | 54 |
| 1.00 | 65 | 62 | 60 | 64 | 61 | 59 | 63 | 61 | 59 | 57 |
| 1.25 | 67 | 64 | 62 | 66 | 64 | 62 | 65 | 63 | 61 | 59 |
| 1.50 | 69 | 66 | 64 | 68 | 66 | 64 | 67 | 65 | 63 | 60 |
| 2.00 | 70 | 68 | 66 | 69 | 67 | 65 | 68 | 66 | 64 | 61 |
| 2.50 | 71 | 69 | 67 | 70 | 68 | 67 | 68 | 67 | 65 | 62 |
| 3.00 | 72 | 70 | 68 | 71 | 69 | 68 | 69 | 67 | 66 | 62 |
| 4.00 | 73 | 72 | 70 | 72 | 71 | 69 | 70 | 69 | 68 | 63 |
| 5.00 | 74 | 73 | 72 | 73 | 71 | 71 | 70 | 69 | 69 | 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℃
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-1082C 50R
DRIVER:PUP20A-1WMC 450mA
30minutes warm-up

ISOCANDELA DIAGRAM

| | | |
|-------------------------------------------------------------------------------------|------------------|------------------------|
| Test:U:120.08V I:0.1581A P:18.885W PF:0.9938 Freq:59.98Hz Lamp Flux:1805.6lx1 lm | | |
| NAME: 2418.107-LEA-14 | TYPE: | WEIGHT: |
| SPEC.: 3000K | DIM.: | SERIAL No.: 2407200933 |
| MFR.: RISE | SUR.: 0.004624m2 | Shielding Angle: |

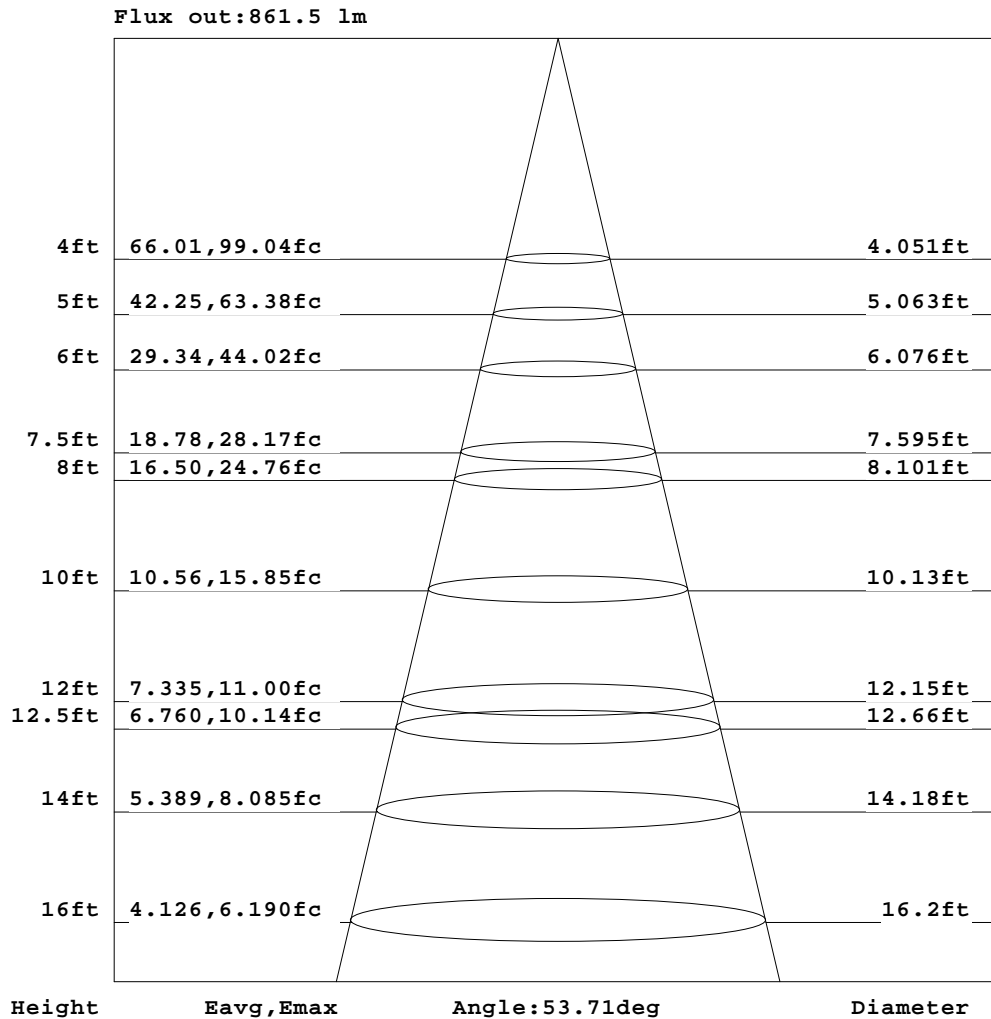


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2024-7-20

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

AAI Figure

| | | |
|-------------------------------------------------------------------------------------|------------------|------------------------|
| Test:U:120.08V I:0.1581A P:18.885W PF:0.9938 Freq:59.98Hz Lamp Flux:1805.61x1 lm | | |
| NAME: 2418.107-LEA-14 | TYPE: | WEIGHT: |
| SPEC.: 3000K | DIM.: | SERIAL No.: 2407200933 |
| MFR.: RISE | SUR.: 0.004624m2 | Shielding Angle: |



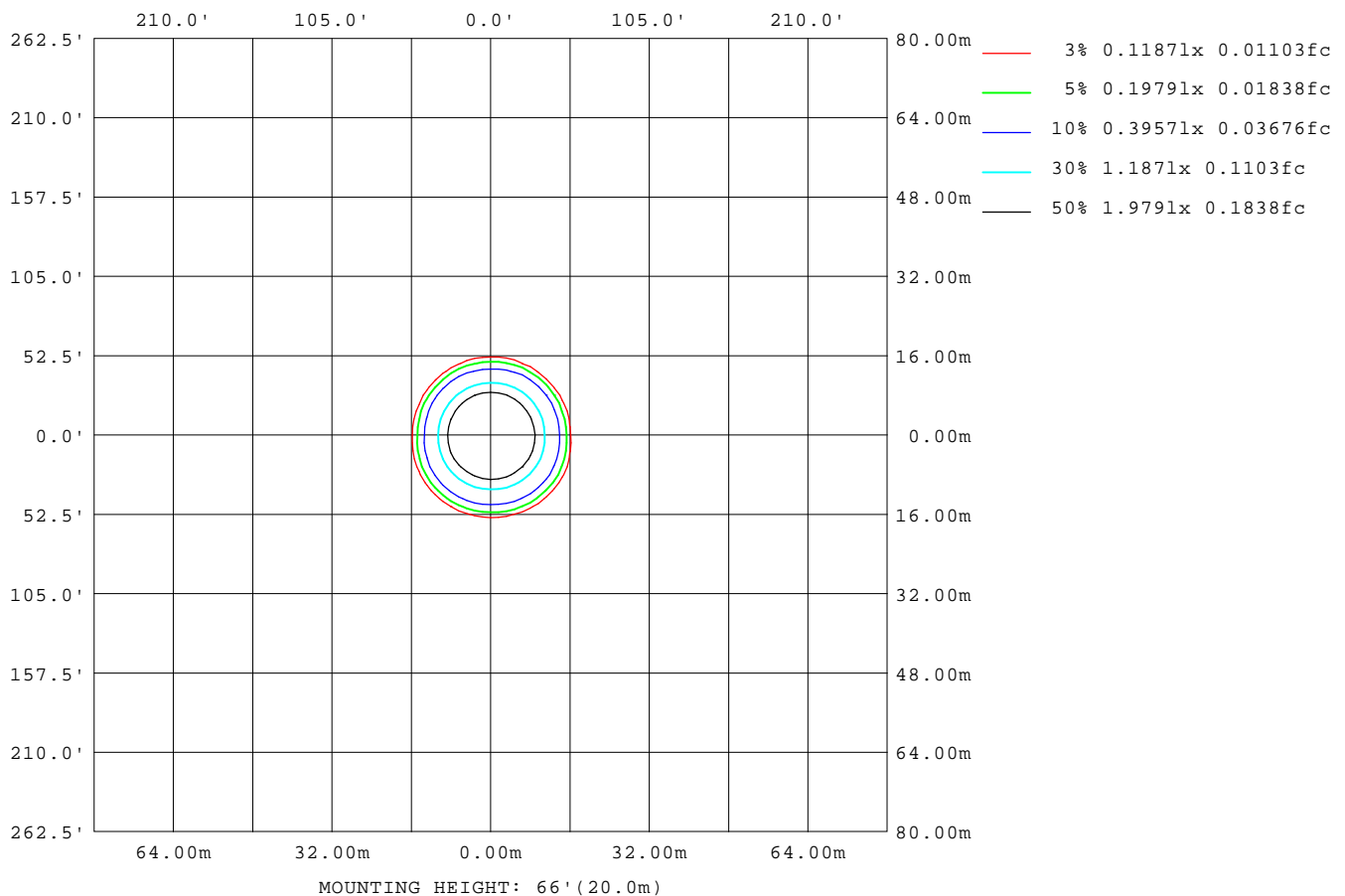
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

ISOLUX DIAGRAM

| | | |
|-------------------------------------------------------------------------------------|------------------|------------------------|
| Test:U:120.08V I:0.1581A P:18.885W PF:0.9938 Freq:59.98Hz Lamp Flux:1805.6lx1 lm | | |
| NAME: 2418.107-LEA-14 | TYPE: | WEIGHT: |
| SPEC.: 3000K | DIM.: | SERIAL No.: 2407200933 |
| 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-1082C 50R
DRIVER:PUP20A-1WMC 450mA
30minutes warm-up

LED Avg.L Report

| | | |
|-------------------------------------------------------------------------------------|------------------|------------------------|
| Test:U:120.08V I:0.1581A P:18.885W PF:0.9938 Freq:59.98Hz Lamp Flux:1805.61x1 lm | | |
| NAME: 2418.107-LEA-14 | TYPE: | WEIGHT: |
| SPEC.: 3000K | DIM.: | SERIAL No.: 2407200933 |
| MFR.: RISE | SUR.: 0.004624m2 | Shielding Angle: |

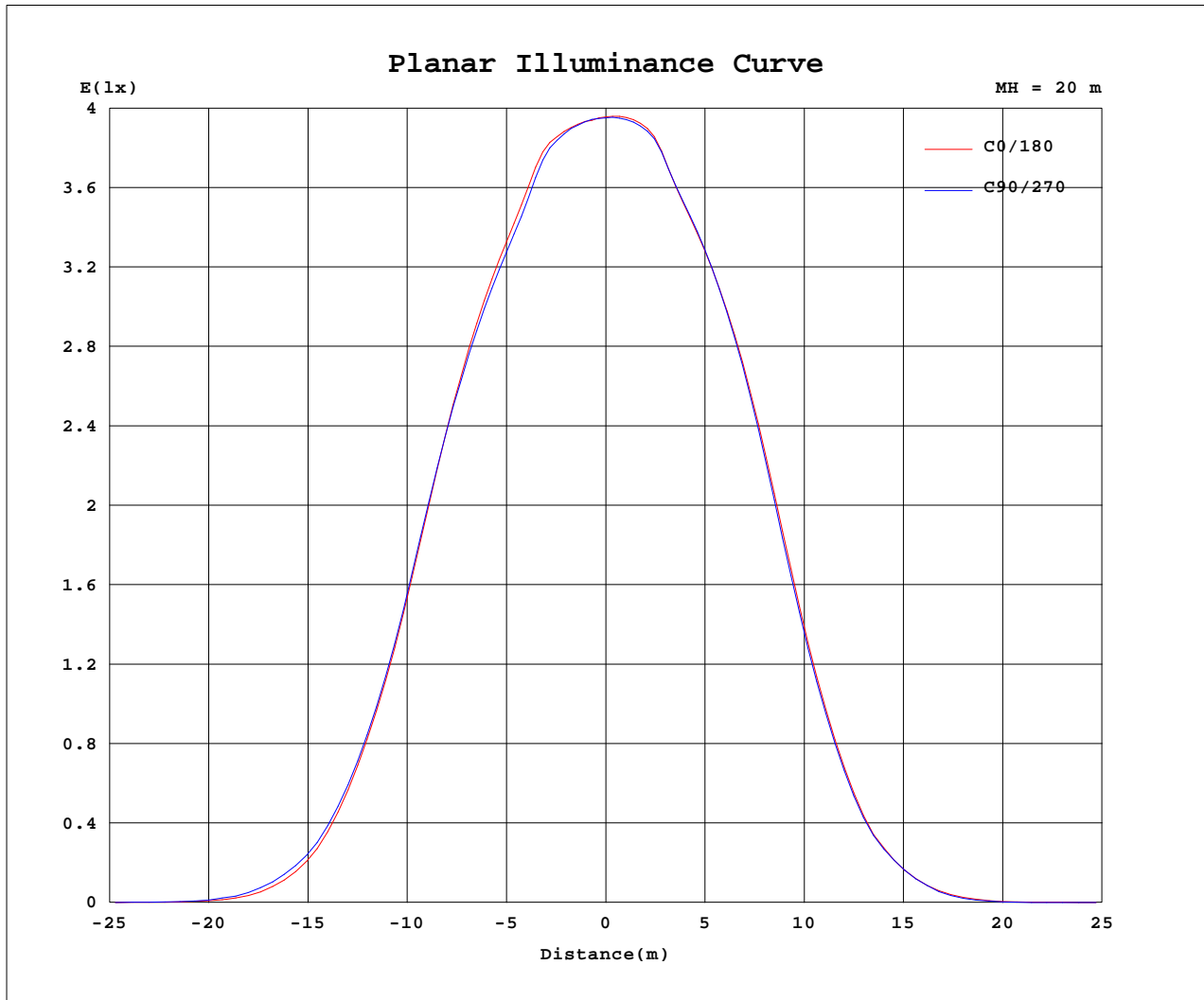
| AvgL | cd/m2 |
|----------------|-------|
| L_0~180(65)av | 221 |
| L_0~180(75)av | 36 |
| L_0~180(85)av | 60 |
| L_90~270(65)av | 185 |
| L_90~270(75)av | 29 |
| L_90~270(85)av | 58 |
| L_45(65)av | 220 |
| L_45(75)av | 41 |
| L_45(85)av | 34 |

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-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: 2024-7-20

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



LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|-------------------------------------------------------------------------------------|------------------|------------------------|
| Test:U:120.08V I:0.1581A P:18.885W PF:0.9938 Freq:59.98Hz Lamp Flux:1805.61x1 lm | | |
| NAME: 2418.107-LEA-14 | TYPE: | WEIGHT: |
| SPEC.: 3000K | DIM.: | SERIAL No.: 2407200933 |
| 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 | 1581 | 1581 | 1581 | 1581 | 1581 | 1581 | 1581 | 1581 | 1581 | 1581 | 1581 | 1581 | | | | | | |
| 5 | 1578 | 1579 | 1578 | 1578 | 1579 | 1582 | 1586 | 1589 | 1588 | 1583 | 1580 | 1578 | | | | | | |
| 10 | 1550 | 1567 | 1560 | 1530 | 1546 | 1539 | 1509 | 1544 | 1542 | 1512 | 1537 | 1552 | | | | | | |
| 15 | 1436 | 1458 | 1444 | 1415 | 1418 | 1426 | 1415 | 1416 | 1431 | 1418 | 1422 | 1422 | | | | | | |
| 20 | 1279 | 1287 | 1285 | 1271 | 1228 | 1248 | 1240 | 1206 | 1222 | 1232 | 1230 | 1233 | | | | | | |
| 25 | 978 | 1007 | 1003 | 990 | 958 | 951 | 902 | 892 | 899 | 885 | 927 | 943 | | | | | | |
| 30 | 595 | 647 | 644 | 608 | 599 | 575 | 506 | 513 | 514 | 495 | 559 | 588 | | | | | | |
| 35 | 260 | 322 | 320 | 282 | 286 | 262 | 201 | 212 | 212 | 197 | 239 | 261 | | | | | | |
| 40 | 73.1 | 101 | 100 | 93.6 | 90.8 | 77.6 | 53.3 | 53.5 | 53.2 | 49.4 | 57.4 | 62.5 | | | | | | |
| 45 | 11.0 | 23.8 | 23.6 | 15.3 | 20.6 | 18.9 | 6.17 | 11.3 | 9.53 | 4.40 | 11.4 | 13.0 | | | | | | |
| 50 | 2.53 | 4.86 | 4.56 | 2.56 | 4.25 | 3.58 | 1.99 | 2.22 | 1.57 | 0.72 | 1.57 | 2.21 | | | | | | |
| 55 | 1.22 | 1.66 | 1.50 | 1.17 | 1.48 | 1.45 | 1.19 | 0.91 | 0.47 | 0.32 | 0.44 | 0.75 | | | | | | |
| 60 | 0.85 | 0.99 | 0.87 | 0.84 | 0.90 | 0.96 | 0.87 | 0.62 | 0.31 | 0.32 | 0.33 | 0.45 | | | | | | |
| 65 | 0.43 | 0.62 | 0.59 | 0.49 | 0.60 | 0.58 | 0.43 | 0.34 | 0.20 | 0.23 | 0.23 | 0.26 | | | | | | |
| 70 | 0.14 | 0.29 | 0.29 | 0.21 | 0.29 | 0.26 | 0.13 | 0.12 | 0.11 | 0.08 | 0.13 | 0.10 | | | | | | |
| 75 | 0.04 | 0.06 | 0.07 | 0.04 | 0.07 | 0.05 | 0.04 | 0.04 | 0.03 | 0.03 | 0.03 | 0.03 | | | | | | |
| 80 | 0.03 | 0.02 | 0.02 | 0.03 | 0.02 | 0.02 | 0.03 | 0.02 | 0.02 | 0.03 | 0.02 | 0.02 | | | | | | |
| 85 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 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
Test Date:2024-7-20

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