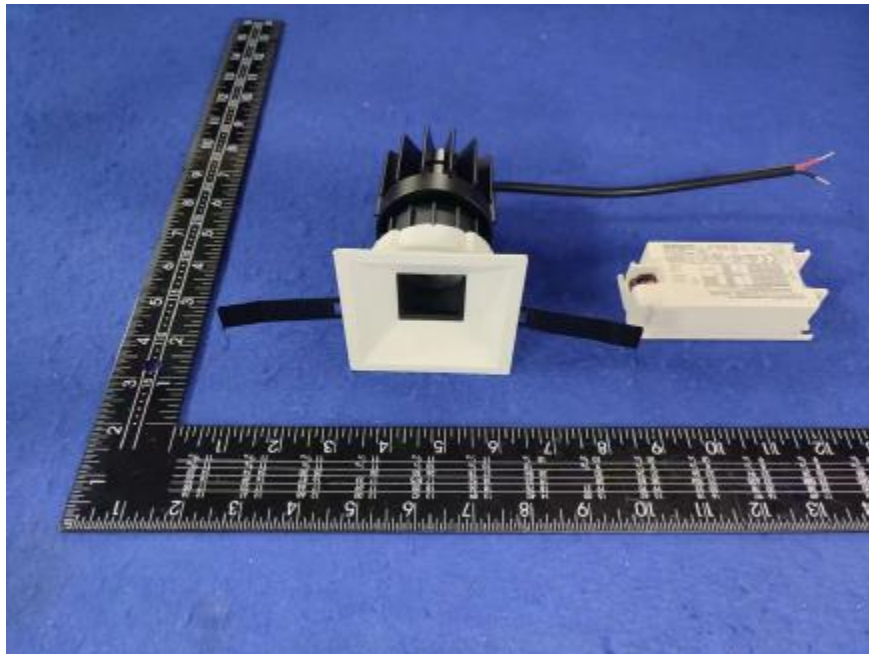


Luminaire Photograph



| | | |
|---------------------|---------|--------------------------|
| Light Output Ratio: | 60.0% | |
| Luminaire Power: | 13.69 W | |
| SHR Nominal: | 0.50 | Calculated using the TM5 |
| SHR Maximum: | 0.50 | fine grid method. |

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3 °C
Operators: zoe
Test Date: 2024-8-9

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-30G1000-A-83 Ra:90
LENS: PM-1082A 24R
DRIVER: IT FIT 20/200-240/500 CS 350mA
30minutes warm-up

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

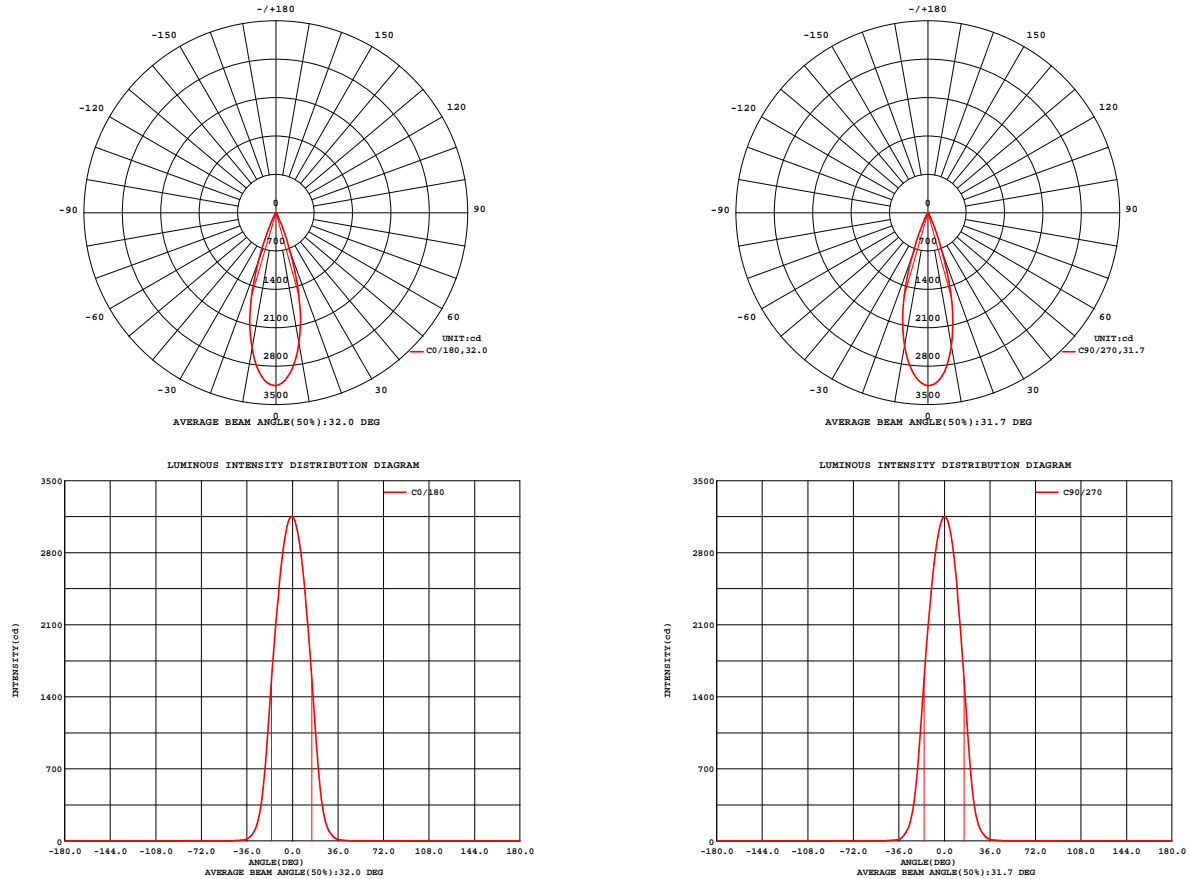


Fig. C0/C180

Fig. C90/C270

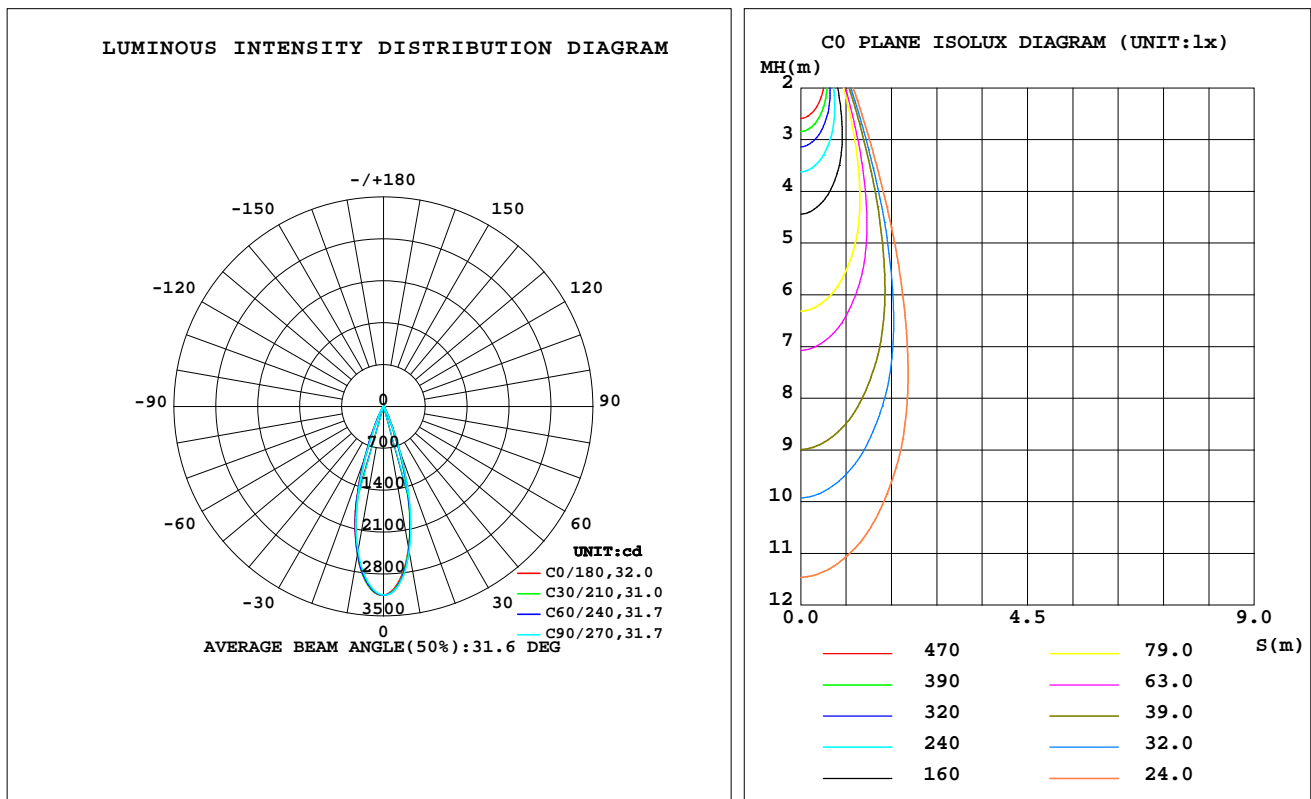
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3 °C
Operators: zoe
Test Date: 2024-8-9

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-30G1000-A-83 Ra: 90
LENS: PM-1082A 24R
DRIVER: IT FIT 20/200-240/500 CS 350mA
30minutes warm-up

LUMINAIRE PHOTOMETRIC TEST REPORT

| | | |
|---|------------------|------------------------|
| Test:U:220.19V I:0.0641A P:13.693W PF:0.9681 Freq:49.99Hz Lamp Flux:1490.38x1 lm | | |
| NAME: 2418.101-ACOT-70 | TYPE: | WEIGHT: |
| SPEC.: 3000K | DIM.: | SERIAL No.: 2408091107 |
| MFR.: RISE | SUR.: 0.004624m2 | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 65.27 lm/W | | | |
|------------------|-----------|----------------------------------|--------|-------------------|----------|
| MODEL | Bridgelux | I _{max} (cd) | 3152 | S/MH(C0/180) | 0.51 |
| NOMINAL POWER(W) | 14 | LOR(%) | 60.0 | S/MH(C90/270) | 0.51 |
| RATED VOLTAGE(V) | 220 | TOTAL FLUX(lm) | 893.73 | η UP,DN(C0-180) | 0.0,29.4 |
| NOMINAL FLUX(lm) | 1490.38 | CIE CLASS | DIRECT | η UP,DN(C180-360) | 0.0,30.6 |
| LAMPS INSIDE | 1 | η up(%) | 0.0 | CIBSE SHR NOM | 0.50 |
| TEST VOLTAGE(V) | 220 | η down(%) | 60.0 | CIBSE SHR MAX | 0.50 |



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2024-8-9

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-30G1000-A-83 Ra:90
LENS:PM-1082A 24R
DRIVER: IT FIT 20/200-240/500 CS 350mA
30minutes warm-up

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

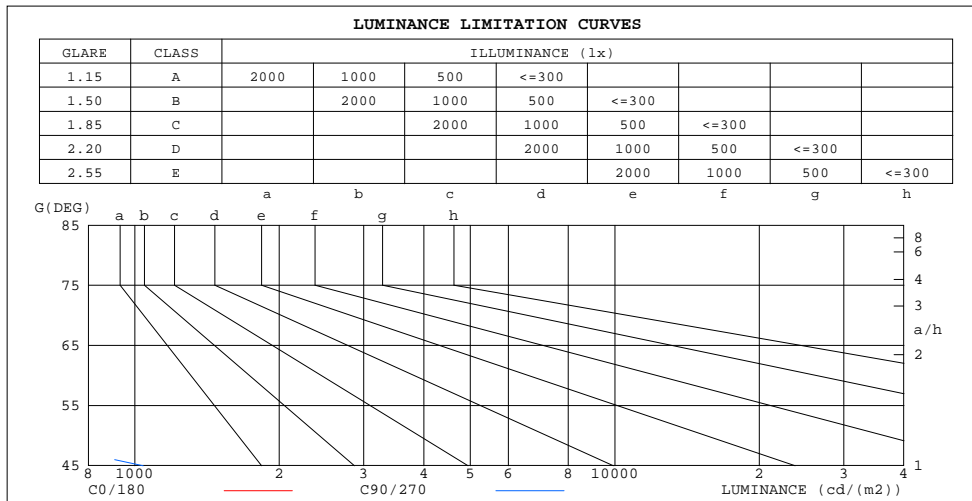
| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ | Φ zone | Φ total | %lum,lamp |
|----------|-----------------------|--------|--------|--------|--------|--------|--------|--------|----------|-------------|--------------|-----------|
| 10 | 2414 | 2432 | 2464 | 2515 | 2515 | 2500 | 2458 | 2416 | 0- 10 | 267.7 | 267.7 | 30,18 |
| 20 | 798.4 | 750.7 | 797.2 | 859.4 | 947.8 | 911.6 | 878.2 | 810.6 | 10- 20 | 452.3 | 720.0 | 80.6,48.3 |
| 30 | 78.59 | 80.58 | 78.07 | 92.88 | 94.69 | 100.7 | 89.74 | 88.98 | 20- 30 | 149.3 | 869.3 | 97.3,58.3 |
| 40 | 7.039 | 8.024 | 7.196 | 9.182 | 7.995 | 9.650 | 7.156 | 7.819 | 30- 40 | 20.85 | 890.2 | 99.6,59.7 |
| 50 | 1.050 | 1.469 | 1.296 | 1.604 | 1.226 | 1.611 | 1.144 | 1.414 | 40- 50 | 2.979 | 893.2 | 99.9,59.9 |
| 60 | 0.1403 | 0.1702 | 0.1644 | 0.1830 | 0.1573 | 0.1662 | 0.1440 | 0.1521 | 50- 60 | 0.4488 | 893.6 | 100,60 |
| 70 | 0.0432 | 0.0417 | 0.0427 | 0.0473 | 0.0415 | 0.0423 | 0.0432 | 0.0389 | 60- 70 | 0.0895 | 893.7 | 100,60 |
| 80 | 0.0254 | 0.0146 | 0.0211 | 0.0206 | 0.0189 | 0.0132 | 0.0214 | 0.0133 | 70- 80 | 0.0247 | 893.7 | 100,60 |
| 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 80- 90 | 0.0148 | 893.7 | 100,60 |
| 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 90-100 | 0 | 893.7 | 100,60 |
| 110 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100-110 | 0 | 893.7 | 100,60 |
| 120 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 110-120 | 0 | 893.7 | 100,60 |
| 130 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 120-130 | 0 | 893.7 | 100,60 |
| 140 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 130-140 | 0 | 893.7 | 100,60 |
| 150 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 140-150 | 0 | 893.7 | 100,60 |
| 160 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 150-160 | 0 | 893.7 | 100,60 |
| 170 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 160-170 | 0 | 893.7 | 100,60 |
| 180 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 170-180 | 0 | 893.7 | 100,60 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3 °C
Operators:zoe
Test Date:2024-8-9

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-30G1000-A-83 Ra:90
LENS:PM-1082A 24R
DRIVER: IT FIT 20/200-240/500 CS 350mA
30minutes warm-up

LUMINANCE LIMITATION CURVES

| | | |
|---|------------------|------------------------|
| Test:U:220.19V I:0.0641A P:13.693W PF:0.9681 Freq:49.99Hz Lamp Flux:1490.38x1 lm | | |
| NAME: 2418.101-ACOT-70 | TYPE: | WEIGHT: |
| SPEC.: 3000K | DIM.: | SERIAL No.: 2408091107 |
| MFR.: RISE | SUR.: 0.004624m2 | Shielding Angle: |



| LUMINANCE cd/(m2) | | |
|-------------------|--------|---------|
| G(180) | C0/180 | C90/270 |
| 85 | 54 | 50 |
| 80 | 32 | 26 |
| 75 | 23 | 18 |
| 70 | 27 | 27 |
| 65 | 38 | 45 |
| 60 | 61 | 71 |
| 55 | 99 | 110 |
| 50 | 354 | 436 |
| 45 | 921 | 1040 |

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2024-8-9

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-30G1000-A-83 Ra:90
LENS:PM-1082A 24R
DRIVER: IT FIT 20/200-240/500 CS 350mA
30minutes warm-up

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.19V I:0.0641A P:13.693W PF:0.9681 Freq:49.99Hz
Lamp Flux:1490.38x1 lm

NAME: 2418.101-ACOT-70

TYPE:

WEIGHT:

SPEC.: 3000K

DIM.:

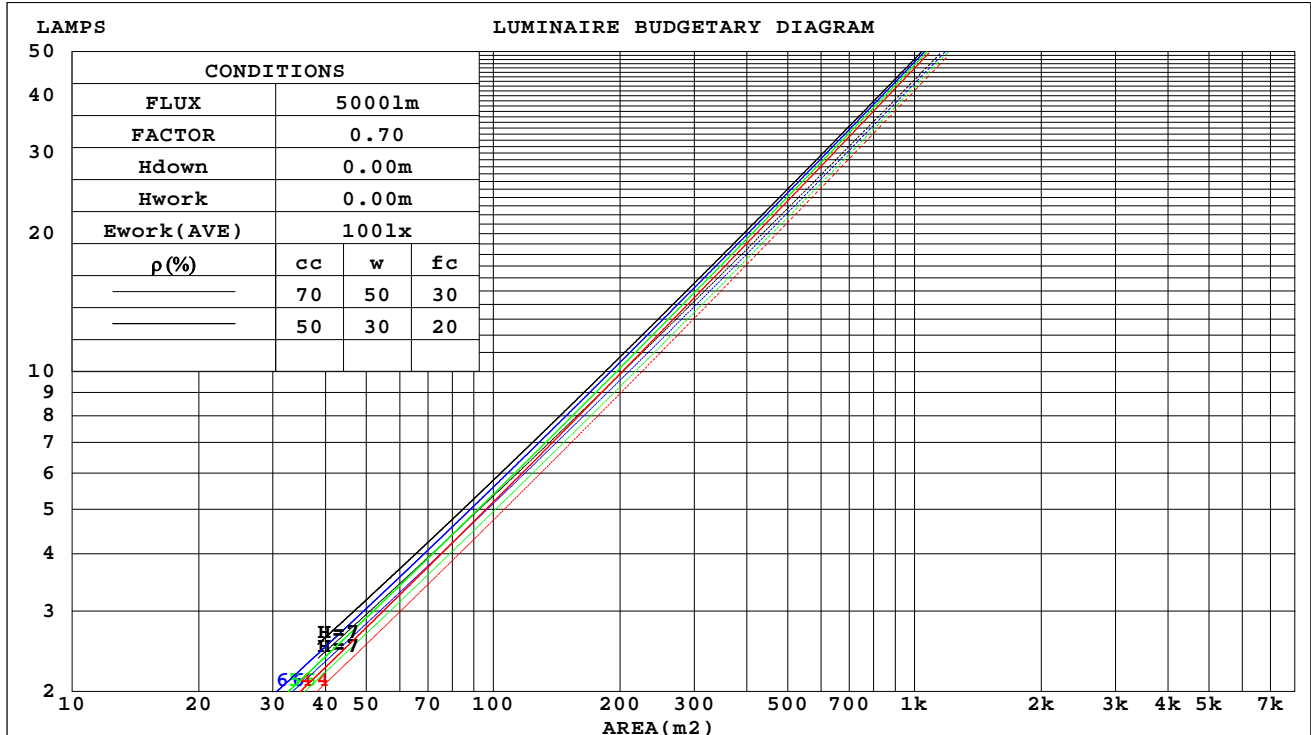
SERIAL No.: 2408091107

MFR.: RISE

SUR.: 0.004624m2

Shielding Angle:

| pcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|------|-----------------------|-----|-----|-----|-----|-----|---------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| pw | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| pfc | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Coefficients of Utilization(CU) | | | | | | | | | |
| 0.0 | .71 | .71 | .71 | .70 | .70 | .70 | .67 | .67 | .67 | .64 | .64 | .64 | .61 | .61 | .61 | .60 |
| 1.0 | .68 | .67 | .66 | .66 | .65 | .64 | .64 | .63 | .62 | .62 | .61 | .61 | .60 | .59 | .59 | .58 |
| 2.0 | .65 | .63 | .61 | .64 | .62 | .61 | .62 | .60 | .59 | .60 | .59 | .58 | .58 | .58 | .57 | .56 |
| 3.0 | .62 | .60 | .58 | .61 | .59 | .57 | .59 | .58 | .56 | .58 | .57 | .56 | .57 | .56 | .55 | .54 |
| 4.0 | .59 | .57 | .55 | .59 | .56 | .55 | .57 | .56 | .54 | .56 | .55 | .54 | .55 | .54 | .53 | .52 |
| 5.0 | .57 | .55 | .53 | .57 | .54 | .53 | .56 | .54 | .52 | .55 | .53 | .52 | .54 | .52 | .51 | .51 |
| 6.0 | .55 | .53 | .51 | .55 | .52 | .51 | .54 | .52 | .50 | .53 | .51 | .50 | .52 | .51 | .50 | .49 |
| 7.0 | .53 | .51 | .49 | .53 | .50 | .49 | .52 | .50 | .49 | .52 | .50 | .48 | .51 | .49 | .48 | .47 |
| 8.0 | .51 | .49 | .47 | .51 | .49 | .47 | .51 | .49 | .47 | .50 | .48 | .47 | .50 | .48 | .47 | .46 |
| 9.0 | .50 | .47 | .46 | .50 | .47 | .46 | .49 | .47 | .46 | .49 | .47 | .45 | .48 | .47 | .45 | .45 |
| 10.0 | .48 | .46 | .44 | .48 | .46 | .44 | .48 | .46 | .44 | .47 | .45 | .44 | .47 | .45 | .44 | .43 |



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2024-8-9

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-30G1000-A-83 Ra:90
LENS:PM-1082A 24R
DRIVER: IT FIT 20/200-240/500 CS 350mA
30minutes warm-up

WEC AND CCEC

| | | |
|---|------------------|------------------------|
| Test:U:220.19V I:0.0641A P:13.693W PF:0.9681 Freq:49.99Hz Lamp Flux:1490.38x1 lm | | |
| NAME: 2418.101-ACOT-70 | TYPE: | WEIGHT: |
| SPEC.: 3000K | DIM.: | SERIAL No.: 2408091107 |
| MFR.: RISE | SUR.: 0.004624m2 | Shielding Angle: |

| pcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 | |
|------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|------|------|------|---|--|
| pw | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 | |
| pfc | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 | |
| RCR | RCR:Room Cavity Ratio | | | | | | Wall Exitance Coefficients(WEC) | | | | | | | | | | |
| 0.0 | | | | | | | | | | | | | | | | | |
| 1.0 | .082 | .047 | .015 | .078 | .045 | .014 | .071 | .041 | .013 | .064 | .037 | .012 | .058 | .034 | .011 | | |
| 2.0 | .076 | .042 | .013 | .073 | .040 | .012 | .067 | .037 | .012 | .061 | .034 | .011 | .056 | .032 | .010 | | |
| 3.0 | .071 | .038 | .011 | .069 | .037 | .011 | .063 | .034 | .010 | .059 | .032 | .010 | .054 | .030 | .009 | | |
| 4.0 | .067 | .035 | .010 | .065 | .034 | .010 | .060 | .032 | .010 | .056 | .030 | .009 | .053 | .029 | .009 | | |
| 5.0 | .063 | .032 | .009 | .061 | .031 | .009 | .058 | .030 | .009 | .054 | .029 | .008 | .051 | .027 | .008 | | |
| 6.0 | .060 | .030 | .009 | .058 | .029 | .008 | .055 | .028 | .008 | .052 | .027 | .008 | .049 | .026 | .008 | | |
| 7.0 | .057 | .028 | .008 | .056 | .028 | .008 | .053 | .027 | .008 | .050 | .026 | .007 | .048 | .025 | .007 | | |
| 8.0 | .054 | .027 | .007 | .053 | .026 | .007 | .051 | .025 | .007 | .049 | .025 | .007 | .046 | .024 | .007 | | |
| 9.0 | .052 | .025 | .007 | .051 | .025 | .007 | .049 | .024 | .007 | .047 | .024 | .007 | .045 | .023 | .007 | | |
| 10.0 | .050 | .024 | .007 | .049 | .024 | .007 | .047 | .023 | .007 | .045 | .023 | .006 | .044 | .022 | .006 | | |

| pcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|------|-----------------------|------|------|------|------|------|--|------|------|------|------|------|------|------|------|---|
| pw | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| pfc | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Ceiling Cavity Exitance Coefficients(CCEC) | | | | | | | | | |
| 0.0 | .114 | .114 | .114 | .098 | .098 | .098 | .067 | .067 | .067 | .038 | .038 | .038 | .012 | .012 | .012 | |
| 1.0 | .101 | .095 | .089 | .086 | .081 | .076 | .059 | .056 | .053 | .034 | .032 | .031 | .011 | .010 | .010 | |
| 2.0 | .090 | .080 | .071 | .077 | .069 | .061 | .053 | .047 | .043 | .031 | .028 | .025 | .010 | .009 | .008 | |
| 3.0 | .081 | .068 | .057 | .070 | .059 | .050 | .048 | .041 | .035 | .028 | .024 | .021 | .009 | .008 | .007 | |
| 4.0 | .074 | .059 | .047 | .063 | .051 | .041 | .044 | .035 | .029 | .025 | .021 | .017 | .008 | .007 | .006 | |
| 5.0 | .067 | .051 | .039 | .058 | .044 | .034 | .040 | .031 | .024 | .023 | .018 | .014 | .007 | .006 | .005 | |
| 6.0 | .062 | .045 | .033 | .053 | .039 | .029 | .037 | .028 | .021 | .021 | .016 | .012 | .007 | .005 | .004 | |
| 7.0 | .058 | .040 | .028 | .050 | .035 | .025 | .034 | .025 | .018 | .020 | .014 | .010 | .006 | .005 | .003 | |
| 8.0 | .054 | .036 | .024 | .046 | .032 | .021 | .032 | .022 | .015 | .019 | .013 | .009 | .006 | .004 | .003 | |
| 9.0 | .051 | .033 | .021 | .044 | .029 | .019 | .030 | .020 | .013 | .018 | .012 | .008 | .006 | .004 | .003 | |
| 10.0 | .048 | .030 | .019 | .041 | .026 | .016 | .029 | .018 | .012 | .017 | .011 | .007 | .005 | .004 | .002 | |

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2024-8-9

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-30G1000-A-83 Ra:90
LENS:PM-1082A 24R
DRIVER: IT FIT 20/200-240/500 CS 350mA
30minutes warm-up

UGR(Unified Glare Rating) Table

| | | | | | | | | | | |
|---|------------------|-----|-----|-----|------------------|----------------|-----|------------------------|-----|-----|
| Test:U:220.19V I:0.0641A P:13.693W PF:0.9681 Freq:49.99Hz Lamp Flux:1490.38x1 lm | | | | | | | | | | |
| NAME: 2418.101-ACOT-70 | | | | | TYPE: | | | WEIGHT: | | |
| SPEC.: 3000K | | | | | DIM.: | | | SERIAL No.: 2408091107 | | |
| 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 | 1.0 | 1.7 | 1.2 | 1.8 | 2.0 | 1.2 | 1.9 | 1.4 | 2.0 | 2.2 |
| 3H | 0.9 | 1.5 | 1.1 | 1.7 | 1.9 | 1.1 | 1.7 | 1.3 | 1.8 | 2.0 |
| 4H | 0.8 | 1.4 | 1.1 | 1.6 | 1.8 | 1.0 | 1.6 | 1.2 | 1.8 | 2.0 |
| 6H | 0.7 | 1.3 | 1.0 | 1.5 | 1.7 | 0.9 | 1.4 | 1.2 | 1.7 | 1.9 |
| 8H | 0.7 | 1.2 | 1.0 | 1.4 | 1.7 | 0.8 | 1.4 | 1.1 | 1.6 | 1.9 |
| 12H | 0.6 | 1.1 | 0.9 | 1.4 | 1.7 | 0.8 | 1.3 | 1.1 | 1.6 | 1.8 |
| 4H 2H | 0.8 | 1.4 | 1.1 | 1.6 | 1.8 | 1.0 | 1.6 | 1.2 | 1.8 | 2.0 |
| 3H | 0.6 | 1.1 | 0.9 | 1.4 | 1.7 | 0.8 | 1.3 | 1.1 | 1.6 | 1.8 |
| 4H | 0.5 | 1.0 | 0.9 | 1.3 | 1.6 | 0.7 | 1.2 | 1.0 | 1.5 | 1.8 |
| 6H | 0.4 | 0.8 | 0.8 | 1.2 | 1.5 | 0.6 | 1.0 | 1.0 | 1.3 | 1.7 |
| 8H | 0.4 | 0.8 | 0.8 | 1.1 | 1.5 | 0.5 | 0.9 | 0.9 | 1.3 | 1.6 |
| 12H | 0.3 | 0.7 | 0.7 | 1.0 | 1.4 | 0.5 | 0.8 | 0.9 | 1.2 | 1.6 |
| 8H 4H | 0.4 | 0.8 | 0.8 | 1.1 | 1.5 | 0.5 | 0.9 | 0.9 | 1.3 | 1.6 |
| 6H | 0.3 | 0.6 | 0.7 | 1.0 | 1.4 | 0.4 | 0.8 | 0.9 | 1.1 | 1.6 |
| 8H | 0.2 | 0.5 | 0.6 | 0.9 | 1.3 | 0.4 | 0.7 | 0.8 | 1.1 | 1.5 |
| 12H | 0.1 | 0.4 | 0.6 | 0.8 | 1.3 | 0.3 | 0.6 | 0.8 | 1.0 | 1.5 |
| 12H 4H | 0.3 | 0.7 | 0.7 | 1.0 | 1.4 | 0.5 | 0.8 | 0.9 | 1.2 | 1.6 |
| 6H | 0.2 | 0.5 | 0.6 | 0.9 | 1.3 | 0.4 | 0.7 | 0.8 | 1.1 | 1.5 |
| 8H | 0.1 | 0.4 | 0.6 | 0.8 | 1.3 | 0.3 | 0.6 | 0.8 | 1.0 | 1.5 |
| Variations with the observer position at spacings(CIE Pub.117): | | | | | | | | | | |
| S = 1.0H | + 3.1 / -15.8 | | | | | + 3.0 / -15.3 | | | | |
| 1.5H | + 5.3 / -12.5 | | | | | + 5.1 / -12.9 | | | | |
| 2.0H | + 6.6 / - 9.8 | | | | | + 6.8 / -10.4 | | | | |

CIE Pub.117, 1490 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 1.4)
Area: 0.004624 m2

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2024-8-9

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-30G1000-A-83 Ra:90
LENS:PM-1082A 24R
DRIVER: IT FIT 20/200-240/500 CS 350mA
30minutes warm-up

UTILIZATION FACTORS TABLE

| | | |
|---|------------------|------------------------|
| Test:U:220.19V I:0.0641A P:13.693W PF:0.9681 Freq:49.99Hz Lamp Flux:1490.38x1 lm | | |
| NAME: 2418.101-ACOT-70 | TYPE: | WEIGHT: |
| SPEC.: 3000K | DIM.: | SERIAL No.: 2408091107 |
| MFR.: RISE | SUR.: 0.004624m2 | Shielding Angle: |

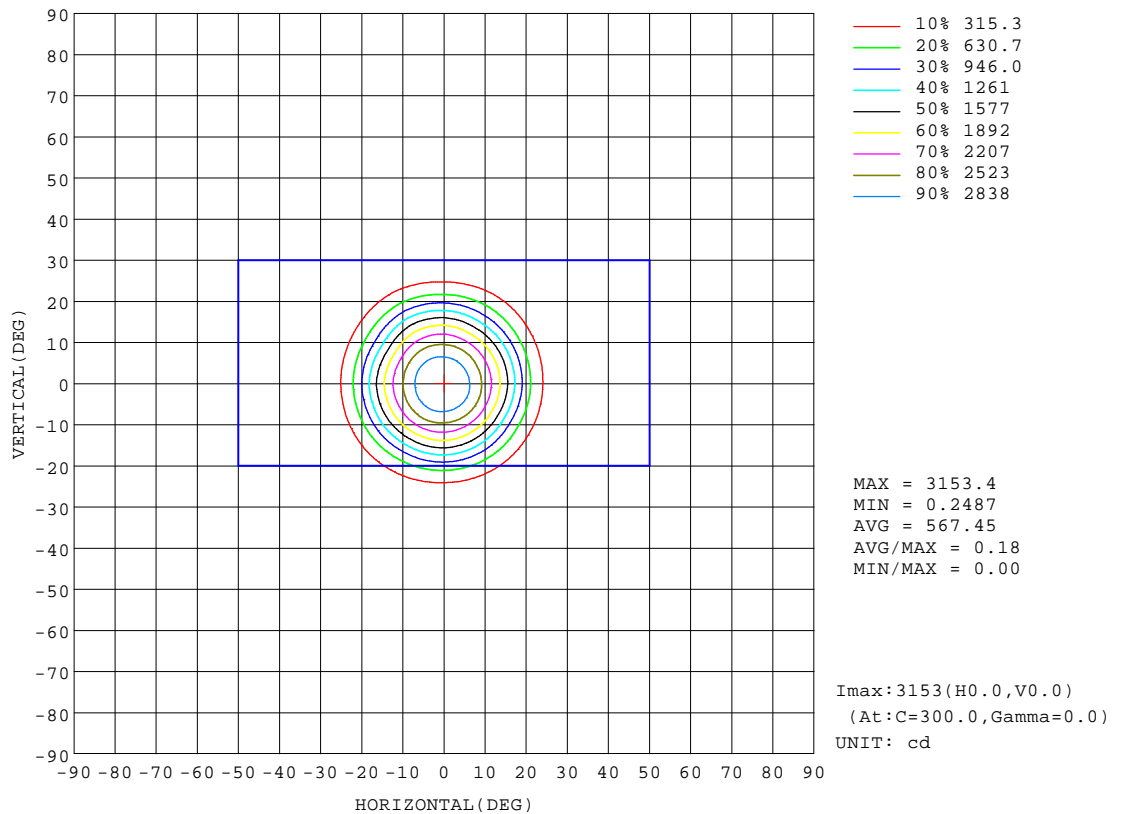
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|---|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 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 | 55 | 51 | 49 | 54 | 51 | 49 | 54 | 51 | 49 | 47 |
| 0.80 | 59 | 56 | 54 | 59 | 56 | 54 | 58 | 55 | 54 | 52 |
| 1.00 | 61 | 58 | 56 | 61 | 58 | 56 | 60 | 58 | 56 | 54 |
| 1.25 | 63 | 60 | 59 | 63 | 60 | 58 | 62 | 59 | 58 | 56 |
| 1.50 | 65 | 62 | 60 | 64 | 62 | 60 | 63 | 61 | 59 | 57 |
| 2.00 | 66 | 64 | 62 | 65 | 63 | 62 | 64 | 62 | 61 | 58 |
| 2.50 | 67 | 65 | 63 | 66 | 64 | 63 | 64 | 63 | 61 | 58 |
| 3.00 | 68 | 66 | 64 | 67 | 65 | 64 | 65 | 63 | 62 | 59 |
| 4.00 | 69 | 67 | 66 | 68 | 66 | 65 | 65 | 64 | 64 | 59 |
| 5.00 | 69 | 68 | 67 | 68 | 67 | 66 | 66 | 65 | 64 | 60 |
| 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:2024-8-9

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-30G1000-A-83 Ra:90
LENS:PM-1082A 24R
DRIVER: IT FIT 20/200-240/500 CS 350mA
30minutes warm-up

ISOCANDELA DIAGRAM

| | | |
|---|------------------|------------------------|
| Test:U:220.19V I:0.0641A P:13.693W PF:0.9681 Freq:49.99Hz Lamp Flux:1490.38x1 lm | | |
| NAME: 2418.101-ACOT-70 | TYPE: | WEIGHT: |
| SPEC.: 3000K | DIM.: | SERIAL No.: 2408091107 |
| MFR.: RISE | SUR.: 0.004624m2 | Shielding Angle: |

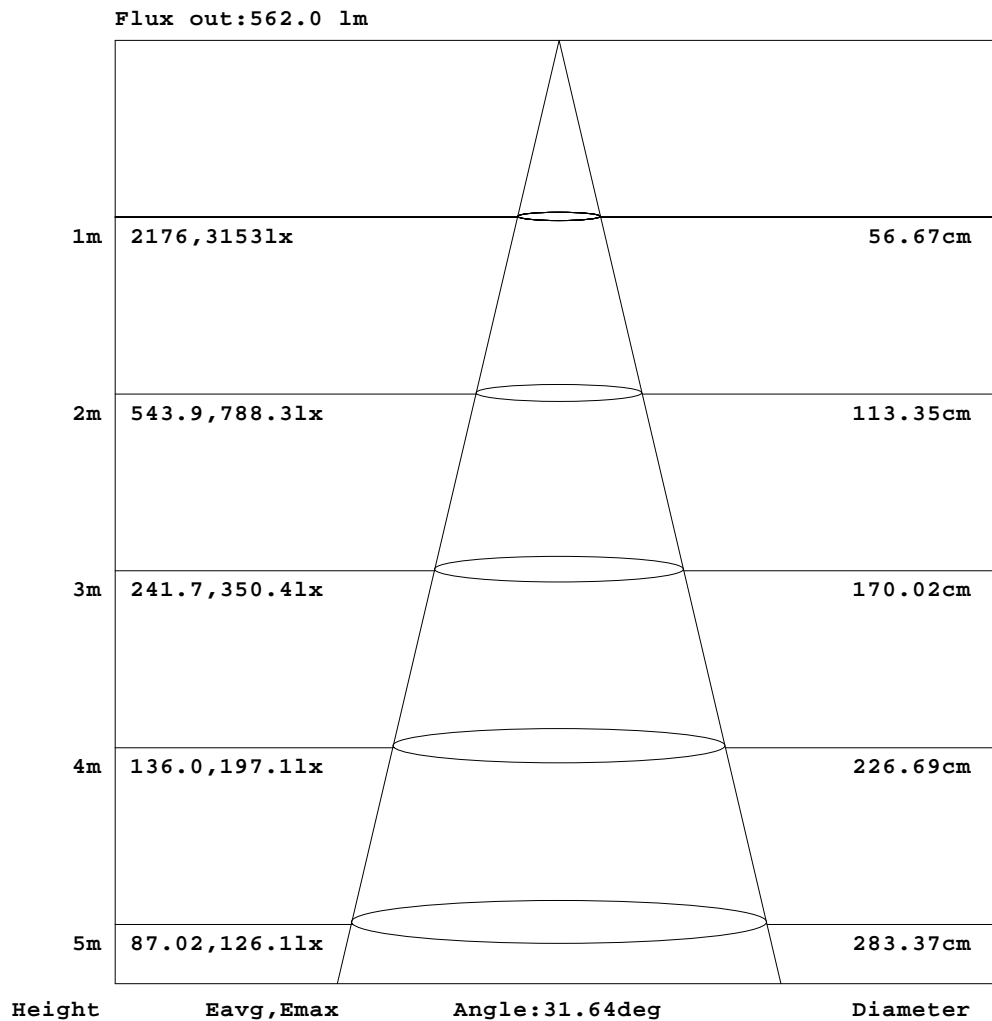


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2024-8-9

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-30G1000-A-83 Ra:90
LENS:PM-1082A 24R
DRIVER: IT FIT 20/200-240/500 CS 350mA
30minutes warm-up

AAI Figure

| | | |
|---|------------------|------------------------|
| Test:U:220.19V I:0.0641A P:13.693W PF:0.9681 Freq:49.99Hz Lamp Flux:1490.38x1 lm | | |
| NAME: 2418.101-ACOT-70 | TYPE: | WEIGHT: |
| SPEC.: 3000K | DIM.: | SERIAL No.: 2408091107 |
| MFR.: RISE | SUR.: 0.004624m2 | Shielding Angle: |



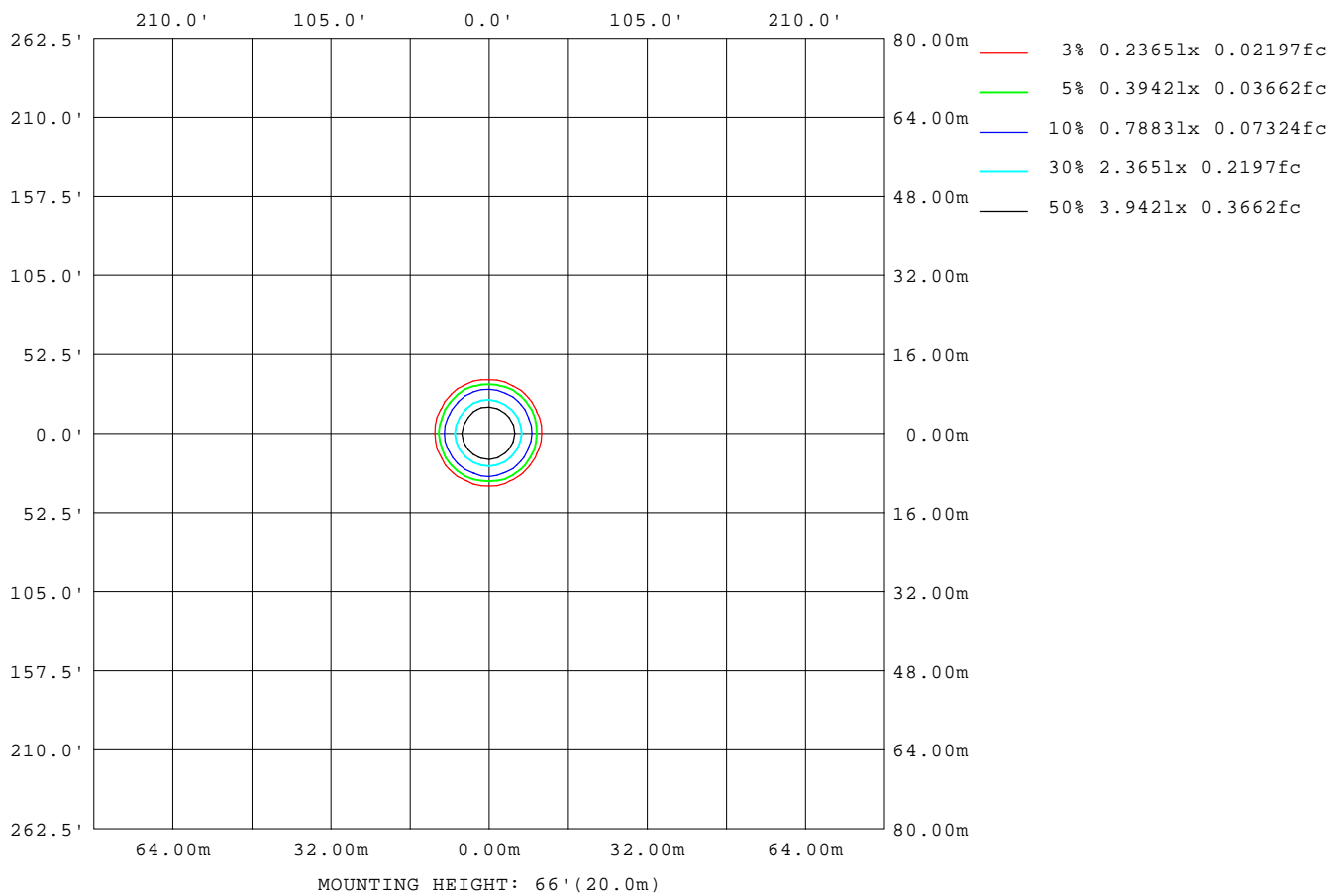
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2024-8-9

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-30G1000-A-83 Ra:90
LENS:PM-1082A 24R
DRIVER: IT FIT 20/200-240/500 CS 350mA
30minutes warm-up

ISOLUX DIAGRAM

| | | |
|---|------------------|------------------------|
| Test:U:220.19V I:0.0641A P:13.693W PF:0.9681 Freq:49.99Hz Lamp Flux:1490.38x1 lm | | |
| NAME: 2418.101-ACOT-70 | TYPE: | WEIGHT: |
| SPEC.: 3000K | DIM.: | SERIAL No.: 2408091107 |
| 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:2024-8-9

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-30G1000-A-83 Ra:90
LENS:PM-1082A 24R
DRIVER: IT FIT 20/200-240/500 CS 350mA
30minutes warm-up

LED Avg.L Report

| | | |
|---|------------------|------------------------|
| Test:U:220.19V I:0.0641A P:13.693W PF:0.9681 Freq:49.99Hz Lamp Flux:1490.38x1 lm | | |
| NAME: 2418.101-ACOT-70 | TYPE: | WEIGHT: |
| SPEC.: 3000K | DIM.: | SERIAL No.: 2408091107 |
| MFR.: RISE | SUR.: 0.004624m2 | Shielding Angle: |

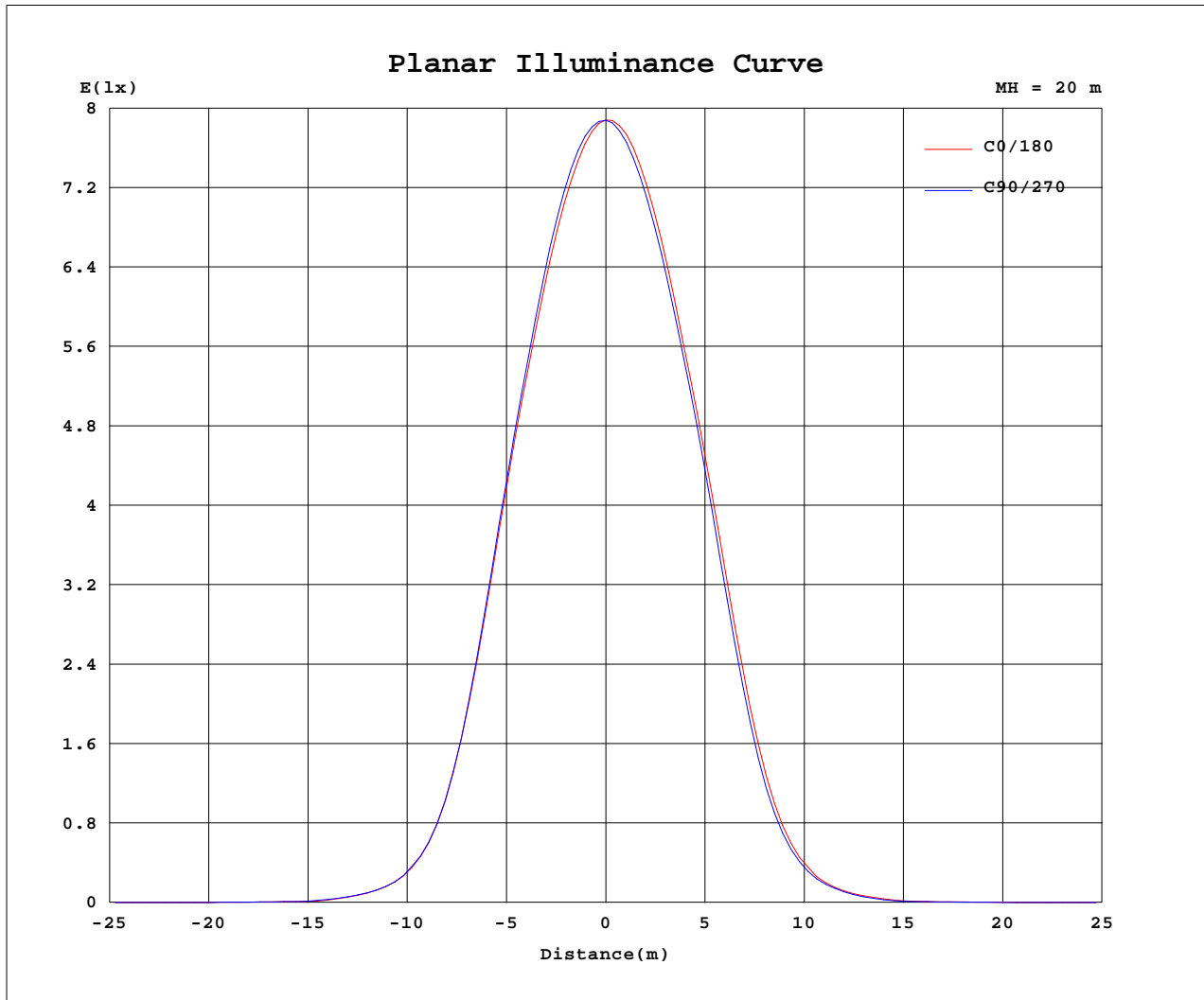
| AvgL | cd/m2 |
|----------------|-------|
| L_0~180(65)av | 40 |
| L_0~180(75)av | 20 |
| L_0~180(85)av | 48 |
| L_90~270(65)av | 42 |
| L_90~270(75)av | 18 |
| L_90~270(85)av | 51 |
| L_45(65)av | 45 |
| L_45(75)av | 14 |
| L_45(85)av | 25 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2024-8-9

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-30G1000-A-83 Ra:90
LENS:PM-1082A 24R
DRIVER: IT FIT 20/200-240/500 CS 350mA
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: 2024-8-9

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-30G1000-A-83 Ra: 90
 LENS: PM-1082A 24R
 DRIVER: IT FIT 20/200-240/500 CS 350mA
 30minutes warm-up



LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|---|------------------|------------------------|
| Test:U:220.19V I:0.0641A P:13.693W PF:0.9681 Freq:49.99Hz Lamp Flux:1490.38x1 lm | | |
| NAME: 2418.101-ACOT-70 | TYPE: | WEIGHT: |
| SPEC.: 3000K | DIM.: | SERIAL No.: 2408091107 |
| MFR.: RISE | SUR.: 0.004624m2 | Shielding Angle: |

Table--1

UNIT: cd

| C(DEG) γ (DEG) | 0 | 30 | 60 | 90 | 120 | 150 | 180 | 210 | 240 | 270 | 300 | 330 | | | | | | |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|--|--|--|--|
| 0 | 3152 | 3152 | 3152 | 3152 | 3152 | 3152 | 3152 | 3152 | 3152 | 3152 | 3152 | 3152 | | | | | | |
| 5 | 2940 | 2964 | 2977 | 2988 | 3007 | 3009 | 2998 | 2995 | 2979 | 2954 | 2943 | 2933 | | | | | | |
| 10 | 2414 | 2422 | 2442 | 2464 | 2511 | 2519 | 2515 | 2504 | 2497 | 2458 | 2428 | 2405 | | | | | | |
| 15 | 1668 | 1610 | 1643 | 1697 | 1717 | 1776 | 1818 | 1721 | 1797 | 1750 | 1663 | 1656 | | | | | | |
| 20 | 798 | 726 | 776 | 797 | 828 | 891 | 948 | 880 | 943 | 878 | 823 | 798 | | | | | | |
| 25 | 250 | 240 | 248 | 252 | 278 | 306 | 322 | 314 | 332 | 290 | 289 | 265 | | | | | | |
| 30 | 78.6 | 78.3 | 82.9 | 78.1 | 90.2 | 95.5 | 94.7 | 98.1 | 103 | 89.7 | 91.8 | 86.1 | | | | | | |
| 35 | 19.9 | 28.5 | 28.6 | 23.3 | 31.5 | 32.3 | 27.6 | 34.6 | 32.0 | 21.3 | 31.3 | 26.6 | | | | | | |
| 40 | 7.04 | 8.67 | 7.38 | 7.20 | 10.0 | 8.33 | 8.00 | 11.5 | 7.76 | 7.16 | 8.88 | 6.76 | | | | | | |
| 45 | 3.01 | 3.47 | 3.51 | 3.40 | 3.76 | 3.87 | 3.65 | 4.30 | 3.61 | 3.21 | 3.49 | 3.15 | | | | | | |
| 50 | 1.05 | 1.39 | 1.55 | 1.30 | 1.64 | 1.57 | 1.23 | 1.77 | 1.45 | 1.14 | 1.51 | 1.32 | | | | | | |
| 55 | 0.26 | 0.40 | 0.34 | 0.29 | 0.49 | 0.42 | 0.29 | 0.43 | 0.35 | 0.27 | 0.43 | 0.32 | | | | | | |
| 60 | 0.14 | 0.17 | 0.17 | 0.16 | 0.19 | 0.18 | 0.16 | 0.18 | 0.16 | 0.14 | 0.16 | 0.14 | | | | | | |
| 65 | 0.07 | 0.09 | 0.09 | 0.09 | 0.10 | 0.09 | 0.08 | 0.09 | 0.08 | 0.08 | 0.08 | 0.07 | | | | | | |
| 70 | 0.04 | 0.04 | 0.04 | 0.04 | 0.05 | 0.05 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | | | | | | |
| 75 | 0.03 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.01 | | | | | | |
| 80 | 0.03 | 0.02 | 0.01 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.01 | 0.02 | 0.02 | 0.01 | | | | | | |
| 85 | 0.02 | 0.01 | 0.01 | 0.02 | 0.01 | 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
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2024-8-9

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-30G1000-A-83 Ra:90
LENS:PM-1082A 24R
DRIVER: IT FIT 20/200-240/500 CS 350mA
30minutes warm-up