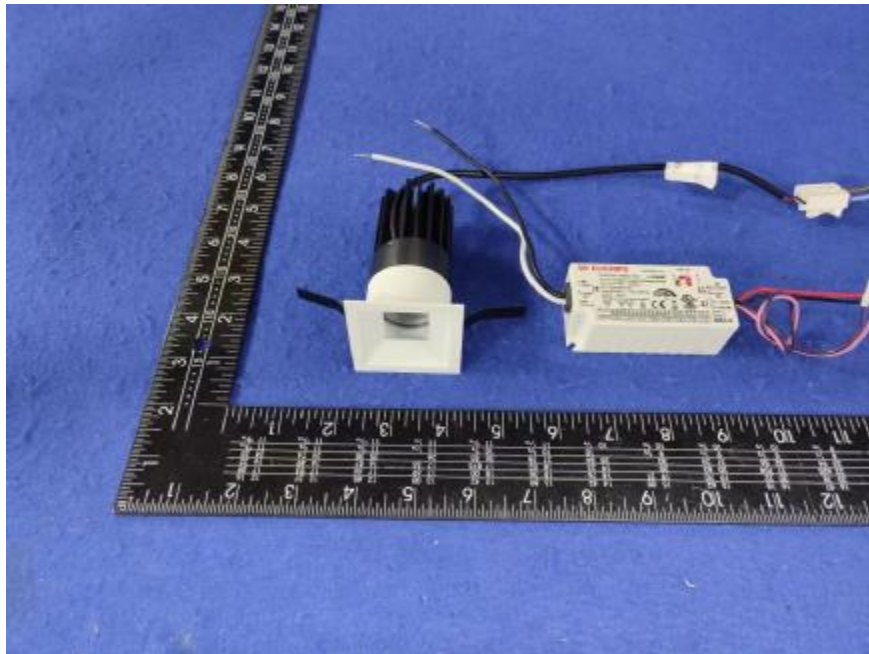


Luminaire Photograph



| | | |
|---------------------|---------|--------------------------|
| Light Output Ratio: | 46.5% | |
| Luminaire Power: | 11.24 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: 2024-1-4

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: BXRV-DR-1830G-100Z-A-23 Ra: 90
LENS: PM-1103C 50R+DIFFUSER
DRIVER: PUP10A-1WMC-700 500mA
30minutes warm-up

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

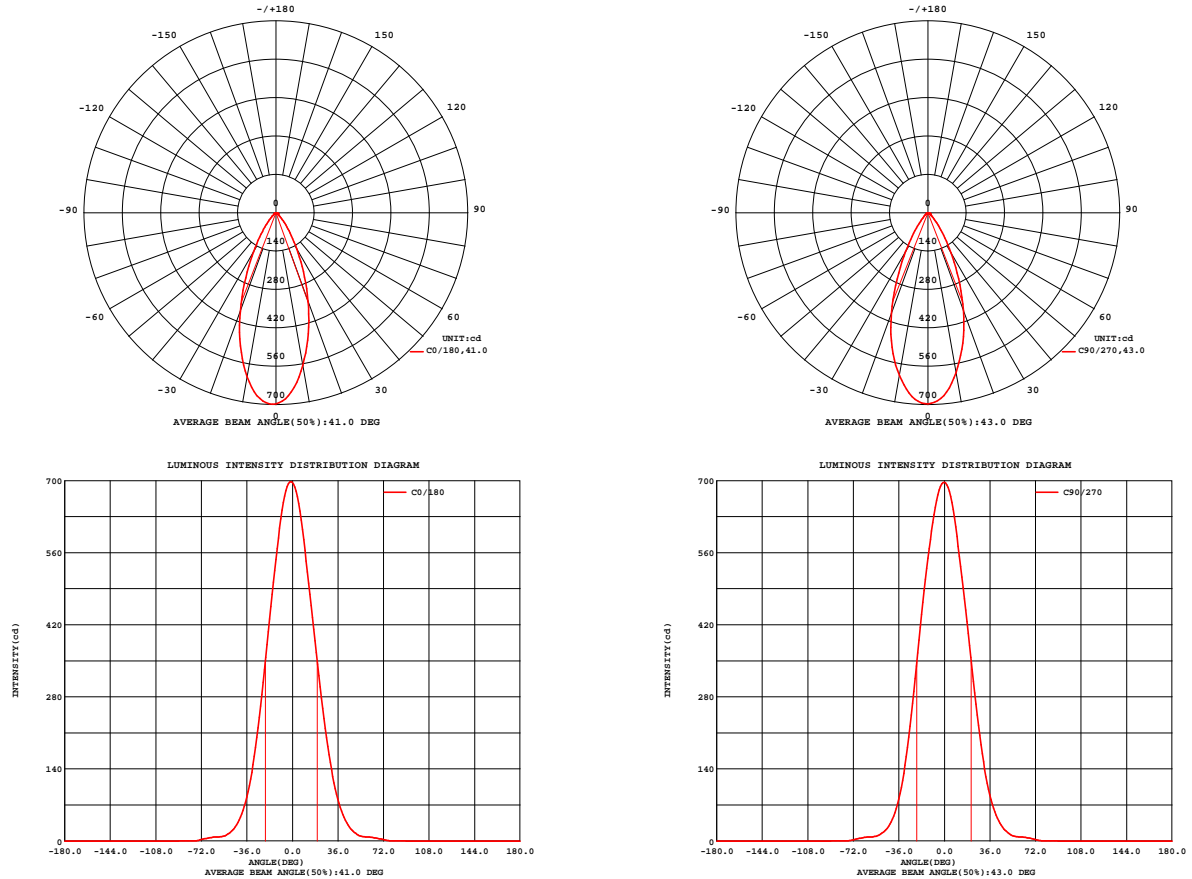


Fig. C0/C180

Fig. C90/C270

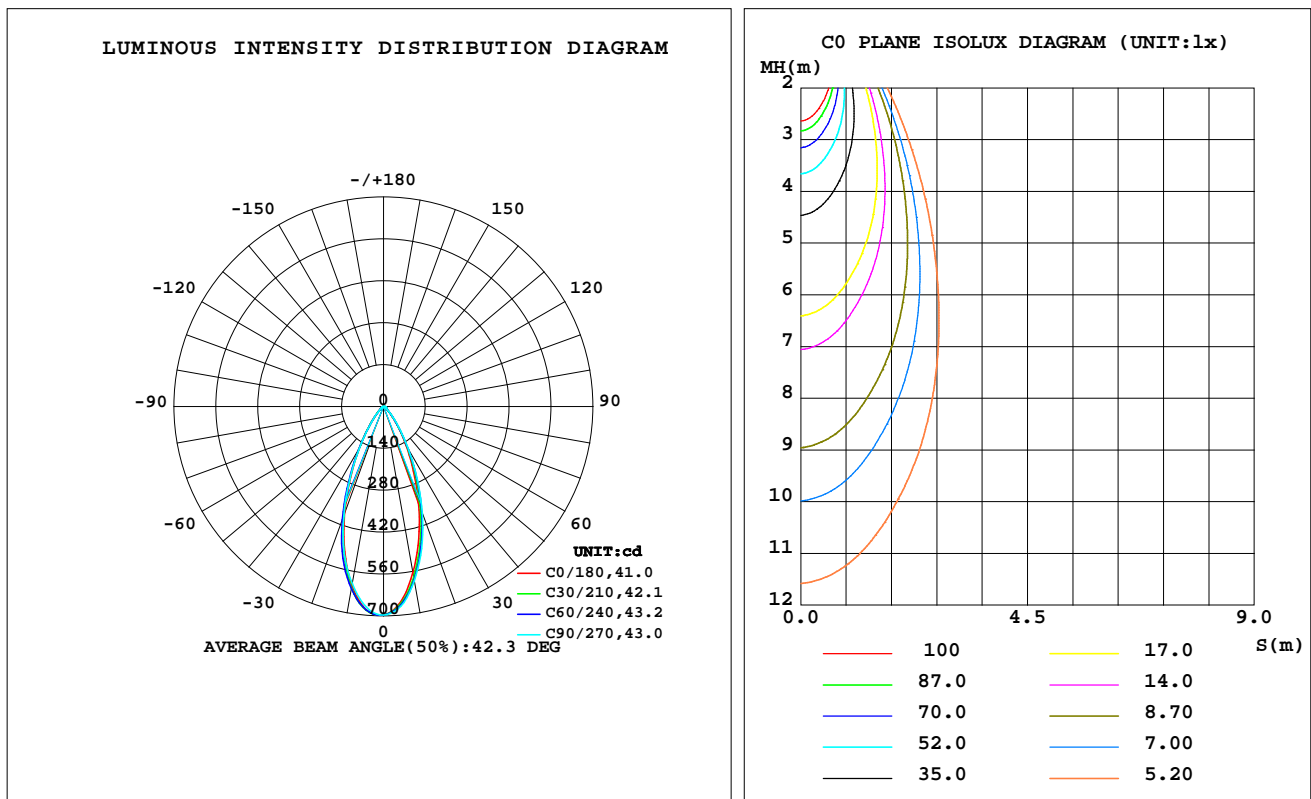
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3 °C
Operators: zoe
Test Date: 2024-1-4

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: BXR-V-DR-1830G-100Z-A-23 Ra: 90
LENS: PM-1103C 50R+DIFFUSER
DRIVER: PUP10A-1WMC-700 500mA
30minutes warm-up

LUMINAIRE PHOTOMETRIC TEST REPORT

| | | |
|--|------------------|------------------------|
| Test:U:120.20V I:0.0946A P:11.235W PF:0.9867 Freq:59.98Hz Lamp Flux:889.25x1 lm | | |
| NAME: 2218.117-LEA-09B-DW | TYPE: | WEIGHT: |
| SPEC.: 3000K | DIM.: | SERIAL No.: 2401040012 |
| MFR.: RISE | SUR.: 0.001681m2 | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 36.81 lm/W | | | |
|------------------|-----------|----------------------------------|--------|------------------------|----------|
| MODEL | Bridgelux | Imax(cd) | 698.0 | S/MH(C0/180) | 0.68 |
| NOMINAL POWER(W) | 11 | LOR(%) | 46.5 | S/MH(C90/270) | 0.69 |
| RATED VOLTAGE(V) | 120 | TOTAL FLUX(lm) | 413.54 | η UP,DN(C0-180) | 0.0,23.3 |
| NOMINAL FLUX(lm) | 889.25 | CIE CLASS | DIRECT | η UP,DN(C180-360) | 0.0,23.3 |
| LAMPS INSIDE | 1 | η up(%) | 0.0 | CIBSE SHR NOM | 0.50 |
| TEST VOLTAGE(V) | 120 | η down(%) | 46.5 | CIBSE SHR MAX | 0.70 |



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2024-1-4

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:BXRV-DR-1830G-100Z-A-23 Ra:90
LENS:PM-1103C 50R+DIFFUSER
DRIVER:PUP10A-1WMC-700 500mA
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 | 564.4 | 584.2 | 591.5 | 595.3 | 607.8 | 617.6 | 602.2 | 570.9 | 0- 10 | 61.42 | 61.42 | 14.9,6.91 |
| 20 | 343.4 | 366.5 | 379.7 | 365.8 | 381.3 | 396.7 | 390.0 | 344.9 | 10- 20 | 134.0 | 195.4 | 47.3,22 |
| 30 | 152.5 | 164.2 | 169.6 | 164.3 | 164.6 | 166.7 | 163.8 | 151.9 | 20- 30 | 117.3 | 312.8 | 75.6,35.2 |
| 40 | 51.47 | 53.42 | 56.65 | 54.71 | 52.50 | 49.06 | 48.36 | 48.11 | 30- 40 | 60.55 | 373.3 | 90.3,42 |
| 50 | 14.92 | 16.03 | 16.55 | 16.73 | 14.89 | 14.66 | 13.82 | 14.79 | 40- 50 | 22.48 | 395.8 | 95.7,44.5 |
| 60 | 7.672 | 8.066 | 7.883 | 8.482 | 7.834 | 8.079 | 7.682 | 8.015 | 50- 60 | 9.407 | 405.2 | 98,45.6 |
| 70 | 3.788 | 4.480 | 4.108 | 4.668 | 3.838 | 4.204 | 3.523 | 4.176 | 60- 70 | 6.390 | 411.6 | 99.5,46.3 |
| 80 | 0.3788 | 0.4068 | 0.3908 | 0.3983 | 0.3534 | 0.3601 | 0.3507 | 0.3743 | 70- 80 | 1.774 | 413.4 | 100,46.5 |
| 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 80- 90 | 0.1775 | 413.5 | 100,46.5 |
| 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 90-100 | 0 | 413.5 | 100,46.5 |
| 110 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100-110 | 0 | 413.5 | 100,46.5 |
| 120 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 110-120 | 0 | 413.5 | 100,46.5 |
| 130 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 120-130 | 0 | 413.5 | 100,46.5 |
| 140 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 130-140 | 0 | 413.5 | 100,46.5 |
| 150 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 140-150 | 0 | 413.5 | 100,46.5 |
| 160 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 150-160 | 0 | 413.5 | 100,46.5 |
| 170 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 160-170 | 0 | 413.5 | 100,46.5 |
| 180 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 170-180 | 0 | 413.5 | 100,46.5 |
| 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:2024-1-4

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:BXRV-DR-1830G-100Z-A-23 Ra:90
LENS:PM-1103C 50R+DIFFUSER
DRIVER:PUP10A-1WMC-700 500mA
30minutes warm-up

LUMINANCE LIMITATION CURVES

Test:U:120.20V I:0.0946A P:11.235W PF:0.9867 Freq:59.98Hz
Lamp Flux:889.25x1 lm

NAME: 2218.117-LEA-09B-DW

TYPE:

WEIGHT:

SPEC.: 3000K

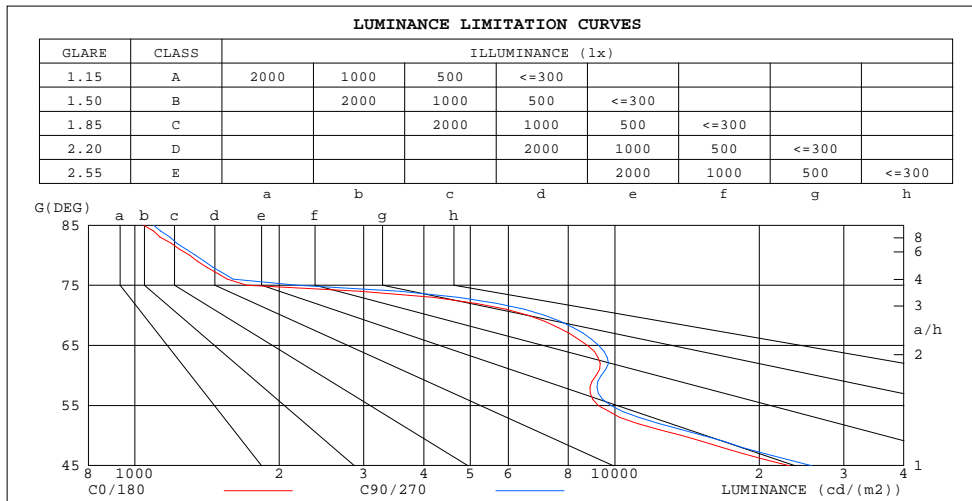
DIM.:

SERIAL No.: 2401040012

MFR.: RISE

SUR.: 0.001681m2

Shielding Angle:



| LUMINANCE cd/(m2) | | |
|-------------------|--------|---------------------|
| G(180) | G(270) | LUMINANCE (cd/(m2)) |
| 85 | 1045 | 1094 |
| 80 | 1300 | 1338 |
| 75 | 1712 | 2179 |
| 70 | 6598 | 7140 |
| 65 | 8765 | 9251 |
| 60 | 9143 | 9372 |
| 55 | 9242 | 9820 |
| 50 | 13832 | 15305 |
| 45 | 23113 | 25710 |

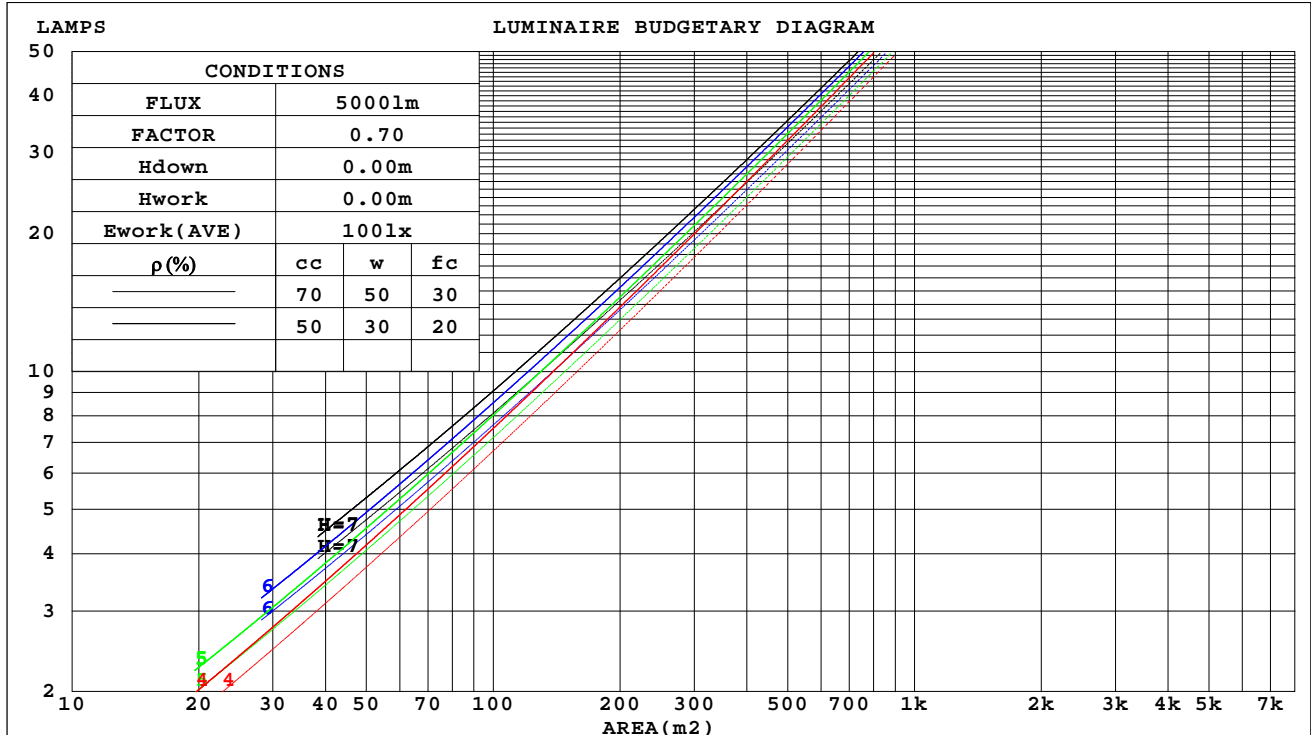
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2024-1-4

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:BXRV-DR-1830G-100Z-A-23 Ra:90
LENS:PM-1103C 50R+DIFFUSER
DRIVER:PUP10A-1WMC-700 500mA
30minutes warm-up

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|--|------------------|------------------------|
| Test:U:120.20V I:0.0946A P:11.235W PF:0.9867 Freq:59.98Hz Lamp Flux:889.25x1 lm | | |
| NAME: 2218.117-LEA-09B-DW | TYPE: | WEIGHT: |
| SPEC.: 3000K | DIM.: | SERIAL No.: 2401040012 |
| MFR.: RISE | SUR.: 0.001681m2 | Shielding Angle: |

| ρ_{cc} | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|-------------|-----------------------|-----|-----|---------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| ρ_w | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| ρ_{fc} | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | Coefficients of Utilization(CU) | | | | | | | | | | | | |
| 0.0 | .55 | .55 | .55 | .54 | .54 | .54 | .52 | .52 | .52 | .49 | .49 | .49 | .47 | .47 | .47 | .47 |
| 1.0 | .52 | .50 | .49 | .51 | .50 | .49 | .49 | .48 | .47 | .47 | .46 | .46 | .45 | .45 | .44 | .44 |
| 2.0 | .48 | .46 | .45 | .47 | .46 | .44 | .46 | .44 | .43 | .44 | .43 | .42 | .43 | .42 | .41 | .41 |
| 3.0 | .45 | .43 | .41 | .44 | .42 | .41 | .43 | .41 | .40 | .42 | .40 | .39 | .41 | .40 | .39 | .38 |
| 4.0 | .42 | .40 | .38 | .42 | .39 | .38 | .41 | .39 | .37 | .40 | .38 | .37 | .39 | .37 | .36 | .36 |
| 5.0 | .40 | .37 | .35 | .39 | .37 | .35 | .38 | .36 | .35 | .38 | .36 | .34 | .37 | .35 | .34 | .33 |
| 6.0 | .37 | .35 | .33 | .37 | .35 | .33 | .36 | .34 | .33 | .36 | .34 | .32 | .35 | .33 | .32 | .31 |
| 7.0 | .35 | .33 | .31 | .35 | .33 | .31 | .35 | .32 | .31 | .34 | .32 | .30 | .33 | .32 | .30 | .30 |
| 8.0 | .34 | .31 | .29 | .33 | .31 | .29 | .33 | .31 | .29 | .32 | .30 | .29 | .32 | .30 | .29 | .28 |
| 9.0 | .32 | .29 | .28 | .32 | .29 | .28 | .31 | .29 | .27 | .31 | .29 | .27 | .30 | .29 | .27 | .27 |
| 10.0 | .30 | .28 | .26 | .30 | .28 | .26 | .30 | .28 | .26 | .29 | .27 | .26 | .29 | .27 | .26 | .25 |



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2024-1-4

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:BXRV-DR-1830G-100Z-A-23 Ra:90
LENS:PM-1103C 50R+DIFFUSER
DRIVER:PUP10A-1WMC-700 500mA
30minutes warm-up

WEC AND CCEC

| | | |
|--|------------------|------------------------|
| Test:U:120.20V I:0.0946A P:11.235W PF:0.9867 Freq:59.98Hz Lamp Flux:889.25x1 lm | | |
| NAME: 2218.117-LEA-09B-DW | TYPE: | WEIGHT: |
| SPEC.: 3000K | DIM.: | SERIAL No.: 2401040012 |
| MFR.: RISE | SUR.: 0.001681m2 | 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 | .079 | .045 | .014 | .073 | .042 | .013 | .068 | .039 | .013 | .063 | .036 | .012 | |
| 2.0 | .078 | .043 | .013 | .076 | .042 | .013 | .071 | .039 | .012 | .066 | .037 | .012 | .062 | .035 | .011 | |
| 3.0 | .074 | .039 | .012 | .072 | .039 | .012 | .068 | .037 | .011 | .064 | .035 | .011 | .060 | .033 | .010 | |
| 4.0 | .070 | .037 | .011 | .068 | .036 | .011 | .065 | .034 | .010 | .061 | .033 | .010 | .058 | .032 | .010 | |
| 5.0 | .067 | .034 | .010 | .065 | .033 | .010 | .062 | .032 | .009 | .059 | .031 | .009 | .056 | .030 | .009 | |
| 6.0 | .063 | .032 | .009 | .062 | .031 | .009 | .059 | .030 | .009 | .057 | .029 | .009 | .054 | .029 | .008 | |
| 7.0 | .060 | .030 | .008 | .059 | .029 | .008 | .057 | .029 | .008 | .054 | .028 | .008 | .052 | .027 | .008 | |
| 8.0 | .058 | .028 | .008 | .056 | .028 | .008 | .054 | .027 | .008 | .052 | .026 | .008 | .050 | .026 | .008 | |
| 9.0 | .055 | .027 | .007 | .054 | .026 | .007 | .052 | .026 | .007 | .050 | .025 | .007 | .049 | .025 | .007 | |
| 10.0 | .053 | .025 | .007 | .052 | .025 | .007 | .050 | .025 | .007 | .048 | .024 | .007 | .047 | .024 | .007 | |

| 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 | .089 | .089 | .089 | .076 | .076 | .076 | .052 | .052 | .052 | .030 | .030 | .030 | .009 | .009 | .009 | |
| 1.0 | .080 | .073 | .067 | .068 | .063 | .058 | .047 | .043 | .040 | .027 | .025 | .023 | .009 | .008 | .008 | |
| 2.0 | .072 | .062 | .053 | .062 | .053 | .045 | .043 | .037 | .032 | .025 | .021 | .019 | .008 | .007 | .006 | |
| 3.0 | .067 | .053 | .042 | .057 | .046 | .036 | .039 | .032 | .025 | .023 | .018 | .015 | .007 | .006 | .005 | |
| 4.0 | .062 | .046 | .034 | .053 | .040 | .029 | .036 | .028 | .021 | .021 | .016 | .012 | .007 | .005 | .004 | |
| 5.0 | .058 | .041 | .028 | .049 | .035 | .024 | .034 | .024 | .017 | .020 | .014 | .010 | .006 | .005 | .003 | |
| 6.0 | .054 | .036 | .023 | .046 | .031 | .020 | .032 | .022 | .014 | .019 | .013 | .009 | .006 | .004 | .003 | |
| 7.0 | .051 | .033 | .020 | .044 | .028 | .017 | .030 | .020 | .012 | .018 | .012 | .007 | .006 | .004 | .002 | |
| 8.0 | .048 | .030 | .017 | .041 | .026 | .015 | .029 | .018 | .011 | .017 | .011 | .006 | .005 | .003 | .002 | |
| 9.0 | .046 | .027 | .015 | .039 | .024 | .013 | .027 | .017 | .009 | .016 | .010 | .005 | .005 | .003 | .002 | |
| 10.0 | .043 | .025 | .013 | .037 | .022 | .011 | .026 | .015 | .008 | .015 | .009 | .005 | .005 | .003 | .002 | |

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2024-1-4

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:BXRV-DR-1830G-100Z-A-23 Ra:90
LENS:PM-1103C 50R+DIFFUSER
DRIVER:PUP10A-1WMC-700 500mA
30minutes warm-up

UGR(Unified Glare Rating) Table

| | | | | | | | | | | |
|--|------------------|------|------|------|------------------|----------------|------|------------------------|------|------|
| Test:U:120.20V I:0.0946A P:11.235W PF:0.9867 Freq:59.98Hz Lamp Flux:889.25x1 lm | | | | | | | | | | |
| NAME: 2218.117-LEA-09B-DW | | | | | TYPE: | | | WEIGHT: | | |
| SPEC.: 3000K | | | | | DIM.: | | | SERIAL No.: 2401040012 | | |
| MFR.: RISE | | | | | SUR.: 0.001681m2 | | | 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 | 18.8 | 19.8 | 19.1 | 19.9 | 20.1 | 19.2 | 20.1 | 19.4 | 20.2 | 20.4 |
| 3H | 19.1 | 20.0 | 19.4 | 20.2 | 20.4 | 19.4 | 20.3 | 19.7 | 20.5 | 20.7 |
| 4H | 19.1 | 19.9 | 19.4 | 20.1 | 20.3 | 19.4 | 20.2 | 19.7 | 20.4 | 20.6 |
| 6H | 19.0 | 19.8 | 19.3 | 20.0 | 20.2 | 19.3 | 20.1 | 19.6 | 20.3 | 20.6 |
| 8H | 19.0 | 19.7 | 19.3 | 19.9 | 20.2 | 19.3 | 20.0 | 19.6 | 20.2 | 20.5 |
| 12H | 18.9 | 19.6 | 19.2 | 19.9 | 20.2 | 19.2 | 19.9 | 19.5 | 20.2 | 20.5 |
| 4H 2H | 18.9 | 19.7 | 19.2 | 19.9 | 20.1 | 19.2 | 20.0 | 19.4 | 20.2 | 20.4 |
| 3H | 19.2 | 19.9 | 19.6 | 20.2 | 20.5 | 19.5 | 20.2 | 19.8 | 20.5 | 20.8 |
| 4H | 19.2 | 19.9 | 19.6 | 20.2 | 20.5 | 19.5 | 20.2 | 19.9 | 20.5 | 20.8 |
| 6H | 19.2 | 19.7 | 19.5 | 20.0 | 20.4 | 19.4 | 20.0 | 19.8 | 20.3 | 20.7 |
| 8H | 19.1 | 19.6 | 19.5 | 20.0 | 20.3 | 19.4 | 19.9 | 19.8 | 20.3 | 20.6 |
| 12H | 19.1 | 19.5 | 19.5 | 19.9 | 20.3 | 19.3 | 19.8 | 19.8 | 20.2 | 20.6 |
| 8H 4H | 19.2 | 19.7 | 19.6 | 20.0 | 20.4 | 19.4 | 20.0 | 19.8 | 20.3 | 20.7 |
| 6H | 19.1 | 19.5 | 19.5 | 19.9 | 20.3 | 19.4 | 19.8 | 19.8 | 20.2 | 20.6 |
| 8H | 19.0 | 19.4 | 19.5 | 19.8 | 20.3 | 19.3 | 19.7 | 19.8 | 20.1 | 20.5 |
| 12H | 19.0 | 19.3 | 19.4 | 19.7 | 20.2 | 19.3 | 19.6 | 19.7 | 20.0 | 20.5 |
| 12H 4H | 19.1 | 19.6 | 19.5 | 20.0 | 20.3 | 19.4 | 19.9 | 19.8 | 20.2 | 20.6 |
| 6H | 19.0 | 19.4 | 19.5 | 19.8 | 20.3 | 19.3 | 19.7 | 19.7 | 20.1 | 20.5 |
| 8H | 19.0 | 19.3 | 19.4 | 19.7 | 20.2 | 19.3 | 19.6 | 19.7 | 20.0 | 20.5 |
| Variations with the observer position at spacings(CIE Pub.117): | | | | | | | | | | |
| S = 1.0H | + 1.9 / - 3.1 | | | | | + 2.1 / - 3.2 | | | | |
| 1.5H | + 3.3 / - 2.7 | | | | | + 3.6 / - 2.7 | | | | |
| 2.0H | + 2.9 / - 1.6 | | | | | + 3.4 / - 1.6 | | | | |

CIE Pub.117, 889.3 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -0.4)
Area: 0.001681 m2

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2024-1-4

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:BXRV-DR-1830G-100Z-A-23 Ra:90
LENS:PM-1103C 50R+DIFFUSER
DRIVER:PUP10A-1WMC-700 500mA
30minutes warm-up

UTILIZATION FACTORS TABLE

| | | |
|--|------------------|------------------------|
| Test:U:120.20V I:0.0946A P:11.235W PF:0.9867 Freq:59.98Hz Lamp Flux:889.25x1 lm | | |
| NAME: 2218.117-LEA-09B-DW | TYPE: | WEIGHT: |
| SPEC.: 3000K | DIM.: | SERIAL No.: 2401040012 |
| MFR.: RISE | SUR.: 0.001681m2 | Shielding Angle: |

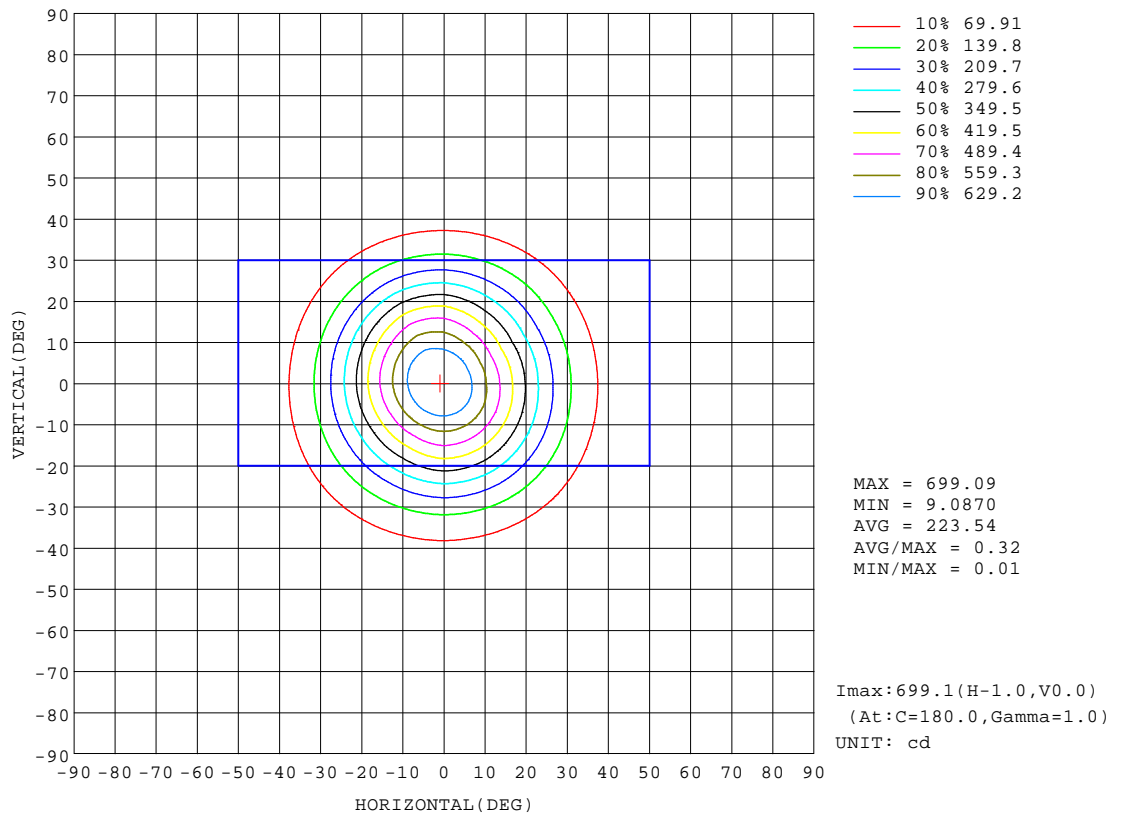
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|---|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 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 | 40 | 37 | 35 | 40 | 37 | 35 | 39 | 36 | 35 | 33 |
| 0.80 | 43 | 40 | 39 | 43 | 40 | 39 | 42 | 40 | 38 | 37 |
| 1.00 | 46 | 43 | 41 | 45 | 43 | 41 | 44 | 43 | 41 | 39 |
| 1.25 | 47 | 45 | 43 | 47 | 45 | 43 | 46 | 44 | 43 | 41 |
| 1.50 | 49 | 46 | 45 | 48 | 46 | 45 | 47 | 45 | 44 | 42 |
| 2.00 | 50 | 48 | 47 | 49 | 48 | 46 | 48 | 47 | 45 | 43 |
| 2.50 | 51 | 49 | 48 | 50 | 49 | 47 | 49 | 47 | 46 | 44 |
| 3.00 | 52 | 50 | 49 | 51 | 49 | 48 | 49 | 48 | 47 | 44 |
| 4.00 | 53 | 51 | 50 | 52 | 51 | 50 | 50 | 49 | 48 | 45 |
| 5.00 | 53 | 52 | 51 | 52 | 51 | 51 | 51 | 50 | 49 | 46 |
| 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:2024-1-4

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:BXRV-DR-1830G-100Z-A-23 Ra:90
LENS:PM-1103C 50R+DIFFUSER
DRIVER:PUP10A-1WMC-700 500mA
30minutes warm-up

ISOCANDELA DIAGRAM

| | | |
|--|------------------|------------------------|
| Test:U:120.20V I:0.0946A P:11.235W PF:0.9867 Freq:59.98Hz Lamp Flux:889.25x1 lm | | |
| NAME: 2218.117-LEA-09B-DW | TYPE: | WEIGHT: |
| SPEC.: 3000K | DIM.: | SERIAL No.: 2401040012 |
| MFR.: RISE | SUR.: 0.001681m2 | Shielding Angle: |

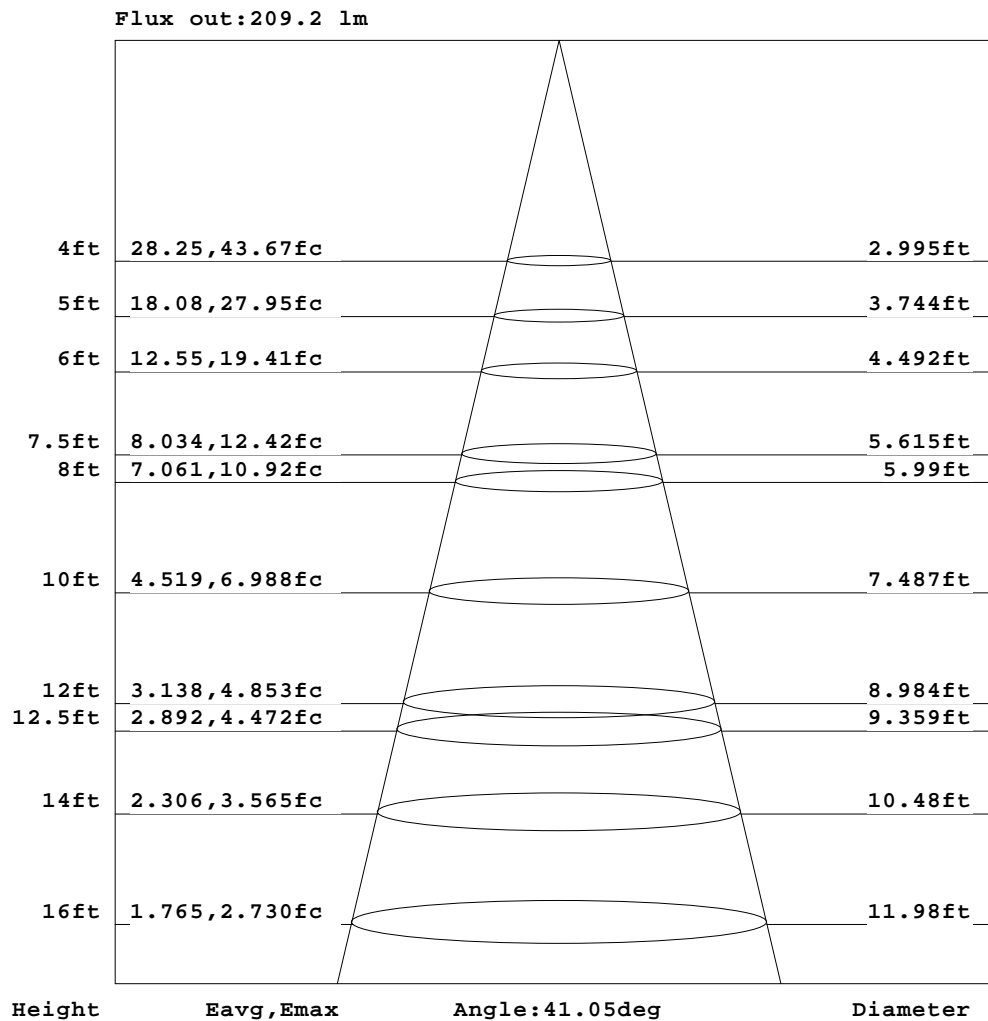


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2024-1-4

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:BXRV-DR-1830G-100Z-A-23 Ra:90
LENS:PM-1103C 50R+DIFFUSER
DRIVER:PUP10A-1WMC-700 500mA
30minutes warm-up

AAI Figure

| | | |
|--|------------------|------------------------|
| Test:U:120.20V I:0.0946A P:11.235W PF:0.9867 Freq:59.98Hz Lamp Flux:889.25x1 lm | | |
| NAME: 2218.117-LEA-09B-DW | TYPE: | WEIGHT: |
| SPEC.: 3000K | DIM.: | SERIAL No.: 2401040012 |
| MFR.: RISE | SUR.: 0.001681m2 | Shielding Angle: |



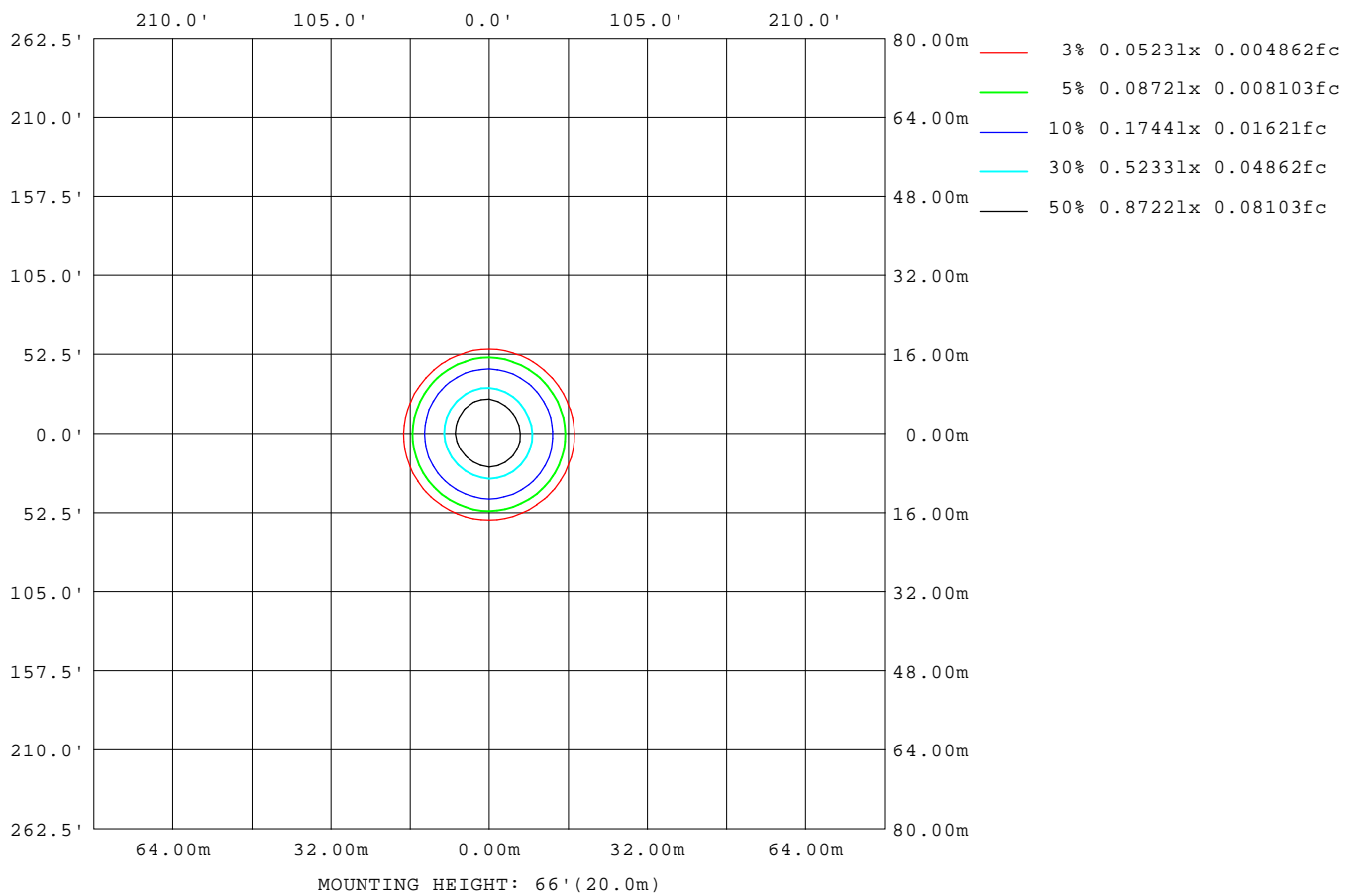
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3 °C
Operators: zoe
Test Date: 2024-1-4

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: BXRV-DR-1830G-100Z-A-23 Ra: 90
LENS: PM-1103C 50R+DIFFUSER
DRIVER: PUP10A-1WMC-700 500mA
30minutes warm-up

ISOLUX DIAGRAM

| | | |
|--|------------------|------------------------|
| Test:U:120.20V I:0.0946A P:11.235W PF:0.9867 Freq:59.98Hz Lamp Flux:889.25x1 lm | | |
| NAME: 2218.117-LEA-09B-DW | TYPE: | WEIGHT: |
| SPEC.: 3000K | DIM.: | SERIAL No.: 2401040012 |
| MFR.: RISE | SUR.: 0.001681m2 | Shielding Angle: |



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2024-1-4

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:BXRV-DR-1830G-100Z-A-23 Ra:90
LENS:PM-1103C 50R+DIFFUSER
DRIVER:PUP10A-1WMC-700 500mA
30minutes warm-up

LED Avg.L Report

| | | |
|--|------------------|------------------------|
| Test:U:120.20V I:0.0946A P:11.235W PF:0.9867 Freq:59.98Hz Lamp Flux:889.25x1 lm | | |
| NAME: 2218.117-LEA-09B-DW | TYPE: | WEIGHT: |
| SPEC.: 3000K | DIM.: | SERIAL No.: 2401040012 |
| MFR.: RISE | SUR.: 0.001681m2 | Shielding Angle: |

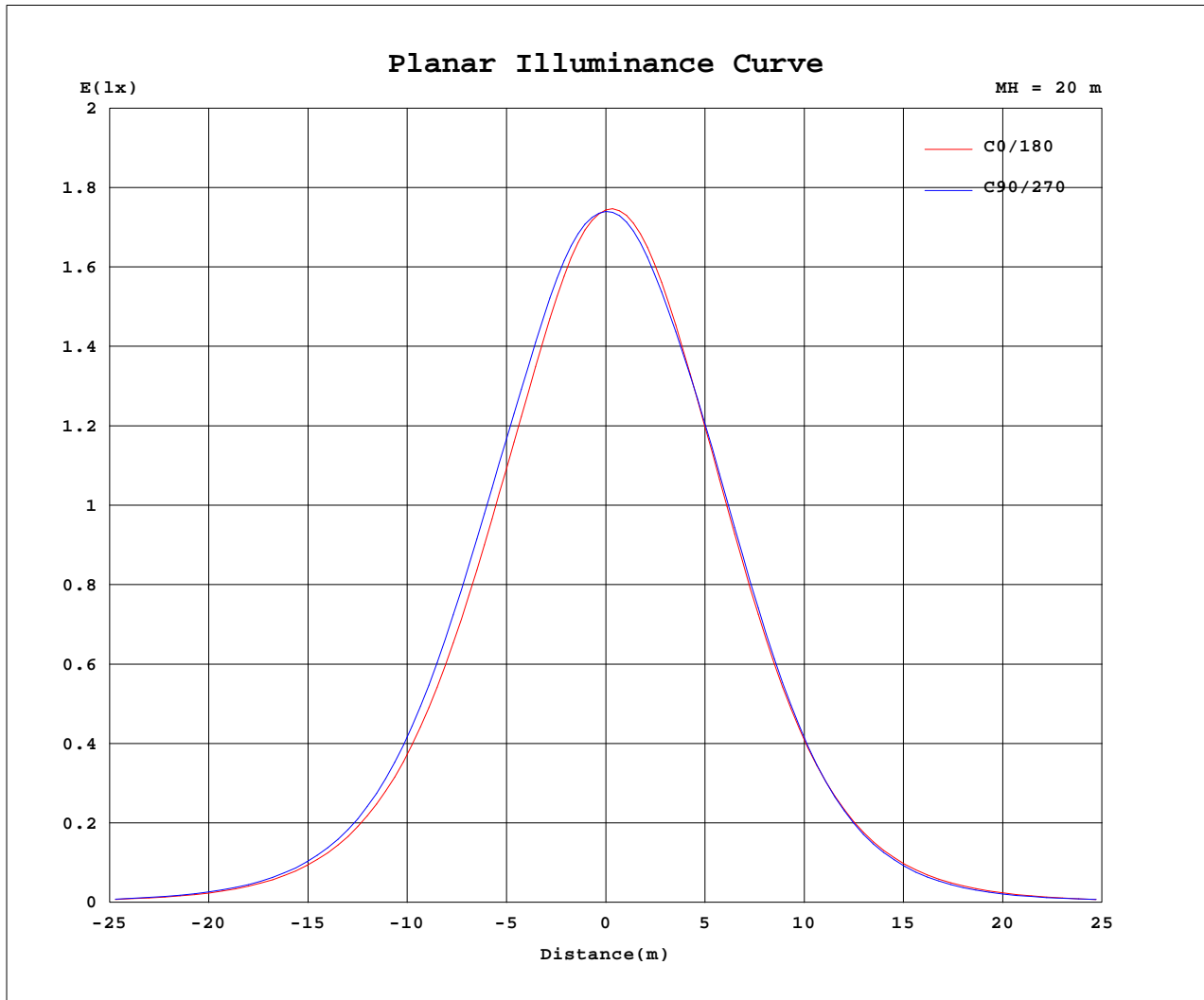
| AvgL | cd/m2 |
|----------------|-------|
| L_0~180(65)av | 8818 |
| L_0~180(75)av | 1637 |
| L_0~180(85)av | 989 |
| L_90~270(65)av | 8879 |
| L_90~270(75)av | 1851 |
| L_90~270(85)av | 1013 |
| L_45(65)av | 9776 |
| L_45(75)av | 3771 |
| L_45(85)av | 1024 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2024-1-4

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:BXRV-DR-1830G-100Z-A-23 Ra:90
LENS:PM-1103C 50R+DIFFUSER
DRIVER:PUP10A-1WMC-700 500mA
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: 2024-1-4

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: BXRV-DR-1830G-100Z-A-23 Ra: 90
 LENS: PM-1103C 50R+DIFFUSER
 DRIVER: PUP10A-1WMC-700 500mA
 30minutes warm-up



LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|--|------------------|------------------------|
| Test:U:120.20V I:0.0946A P:11.235W PF:0.9867 Freq:59.98Hz Lamp Flux:889.25x1 lm | | |
| NAME: 2218.117-LEA-09B-DW | TYPE: | WEIGHT: |
| SPEC.: 3000K | DIM.: | SERIAL No.: 2401040012 |
| MFR.: RISE | SUR.: 0.001681m2 | Shielding Angle: |

Table--1

UNIT: cd

| C(DEG) γ (DEG) | 0 | 30 | 60 | 90 | 120 | 150 | 180 | 210 | 240 | 270 | 300 | 330 | | | | | | |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|--|--|--|--|
| 0 | 697 | 697 | 697 | 697 | 697 | 697 | 697 | 697 | 697 | 697 | 697 | 697 | | | | | | |
| 5 | 656 | 661 | 666 | 669 | 673 | 676 | 680 | 683 | 682 | 673 | 664 | 657 | | | | | | |
| 10 | 564 | 580 | 589 | 591 | 592 | 598 | 608 | 616 | 619 | 602 | 579 | 563 | | | | | | |
| 15 | 457 | 474 | 485 | 492 | 481 | 487 | 503 | 511 | 525 | 508 | 470 | 449 | | | | | | |
| 20 | 343 | 359 | 373 | 380 | 365 | 367 | 381 | 390 | 404 | 390 | 355 | 335 | | | | | | |
| 25 | 237 | 252 | 262 | 266 | 255 | 255 | 262 | 268 | 275 | 267 | 246 | 232 | | | | | | |
| 30 | 152 | 161 | 167 | 170 | 165 | 164 | 165 | 166 | 168 | 164 | 155 | 148 | | | | | | |
| 35 | 91.1 | 95.5 | 98.1 | 101 | 98.4 | 97.3 | 95.8 | 93.5 | 93.1 | 92.1 | 89.3 | 88.1 | | | | | | |
| 40 | 51.5 | 52.9 | 53.9 | 56.6 | 55.3 | 54.1 | 52.5 | 49.6 | 48.5 | 48.4 | 47.7 | 48.5 | | | | | | |
| 45 | 27.4 | 28.4 | 28.9 | 30.6 | 30.1 | 29.2 | 27.7 | 26.0 | 25.2 | 24.9 | 25.2 | 26.3 | | | | | | |
| 50 | 14.9 | 15.9 | 16.1 | 16.5 | 17.2 | 16.3 | 14.9 | 14.9 | 14.4 | 13.8 | 14.6 | 15.0 | | | | | | |
| 55 | 8.90 | 10.6 | 10.5 | 9.47 | 11.4 | 10.6 | 9.03 | 10.4 | 9.91 | 8.73 | 10.3 | 10.0 | | | | | | |
| 60 | 7.67 | 8.10 | 8.03 | 7.88 | 8.63 | 8.34 | 7.83 | 8.21 | 7.94 | 7.68 | 8.07 | 7.96 | | | | | | |
| 65 | 6.22 | 6.86 | 6.81 | 6.58 | 7.32 | 7.07 | 6.31 | 6.87 | 6.63 | 6.04 | 6.74 | 6.68 | | | | | | |
| 70 | 3.79 | 4.40 | 4.56 | 4.11 | 4.73 | 4.60 | 3.84 | 4.22 | 4.19 | 3.52 | 4.10 | 4.25 | | | | | | |
| 75 | 0.74 | 1.73 | 1.70 | 0.95 | 1.81 | 1.59 | 0.68 | 1.46 | 1.24 | 0.66 | 1.42 | 1.40 | | | | | | |
| 80 | 0.38 | 0.41 | 0.41 | 0.39 | 0.41 | 0.39 | 0.35 | 0.36 | 0.36 | 0.35 | 0.37 | 0.38 | | | | | | |
| 85 | 0.15 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.14 | 0.13 | 0.14 | 0.14 | 0.14 | 0.14 | | | | | | |
| 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
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Operators:zoe
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30minutes warm-up