

Luminaire Photograph



| | | |
|---------------------|--------|--------------------------|
| Light Output Ratio: | 81.2% | |
| Luminaire Power: | 11.1 W | |
| SHR Nominal: | 0.00 | Calculated using the TM5 |
| SHR Maximum: | 0.30 | fine grid method. |

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: MEDIUM
Temperature: 25.3 °C
Operators: zoe
Test Date: 2025-2-25

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.461
Humidity: 65.0%
Test Distance: 3.160m [K=1.0000]
Remarks: LAMP: BXRH-30G10T0-C-83 Ra: 90
LENS: PM-1082 15R
NOT DRIVER: 48V
30minutes warm-up

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

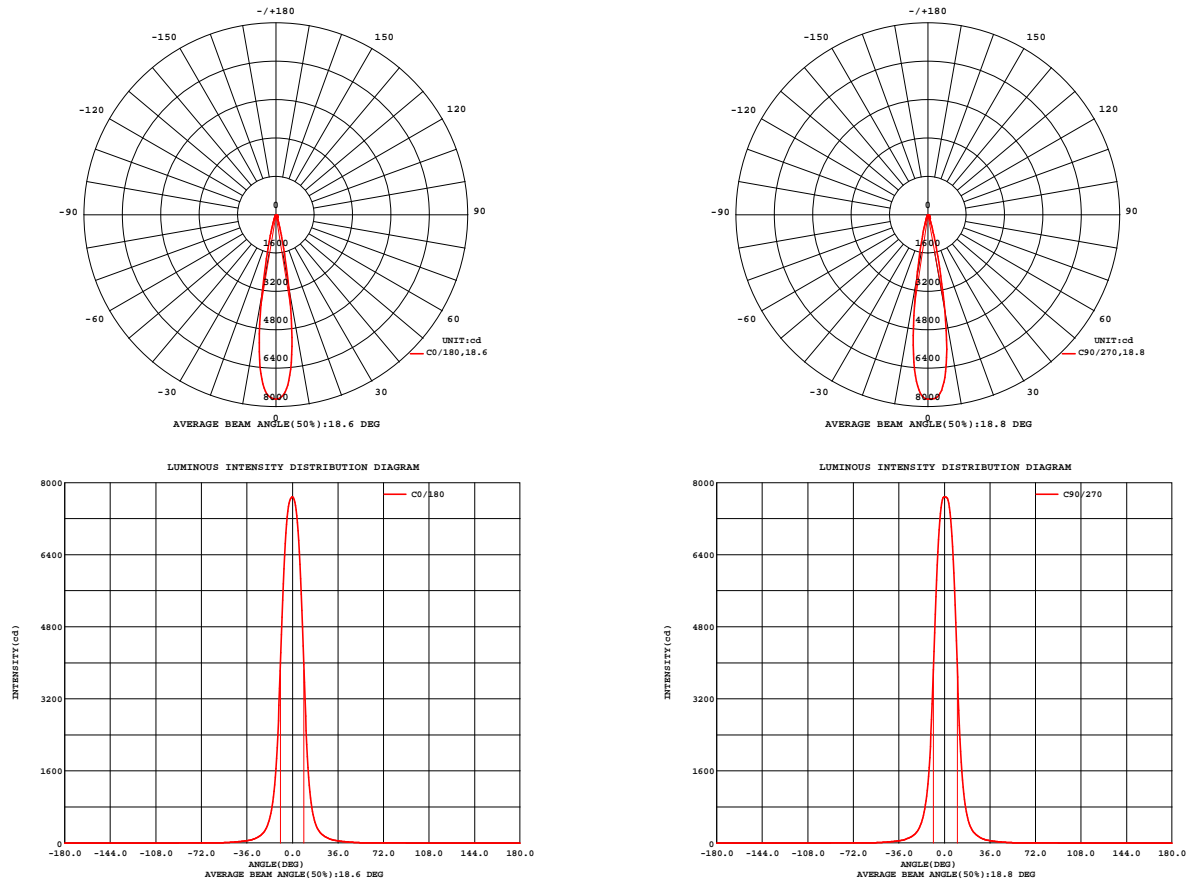


Fig. C0/C180

Fig. C90/C270

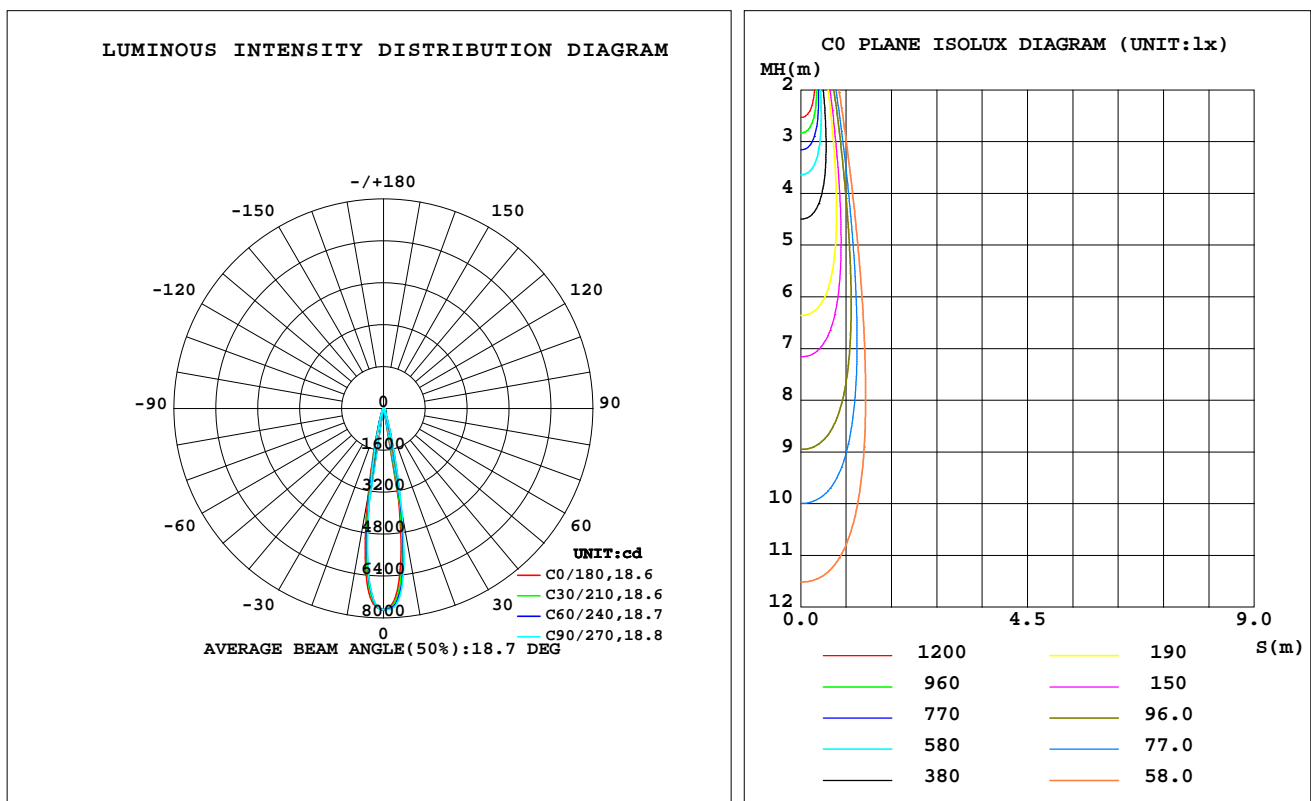
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: MEDIUM
Temperature:25.3℃
Operators:zoe
Test Date:2025-2-25

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:3.160m [K=1.0000]
Remarks: LAMP:BXRH-30G10T0-C-83 Ra:90
LENS:PM-1082 15R
NOT DRIVER:48V
30minutes warm-up

LUMINAIRE PHOTOMETRIC TEST REPORT

| | | |
|---|---------------------|------------------------|
| Test:U:47.997V I:0.2313A P:11.102W PF:0.8840 Freq:49.99Hz Lamp Flux:1227.27x1 lm | | |
| NAME: OZ48-SA-HE-50 | TYPE: | WEIGHT: |
| SPEC.: 3000K | DIM.: | SERIAL No.: 2502250122 |
| MFR.: RISE | SUR.: 0.001884785m2 | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 89.73 lm/W | | | |
|------------------|-----------|----------------------------------|--------|-------------------|----------|
| MODEL | Brideglux | I _{max} (cd) | 7681 | S/MH(C0/180) | 0.31 |
| NOMINAL POWER(W) | 11 | LOR(%) | 81.2 | S/MH(C90/270) | 0.28 |
| RATED VOLTAGE(V) | 48 | TOTAL FLUX(lm) | 996.12 | η UP,DN(C0-180) | 0.0,43.3 |
| NOMINAL FLUX(lm) | 1227.27 | CIE CLASS | DIRECT | η UP,DN(C180-360) | 0.0,37.9 |
| LAMPS INSIDE | 1 | η up(%) | 0.0 | CIBSE SHR NOM | 0.00 |
| TEST VOLTAGE(V) | 48 | η down(%) | 81.2 | CIBSE SHR MAX | 0.30 |



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: MEDIUM
Temperature:25.3℃
Operators:zoe
Test Date:2025-2-25

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:3.160m [K=1.0000]
Remarks: LAMP:BXRH-30G10T0-C-83 Ra:90
LENS:PM-1082 15R
NOT DRIVER:48V
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 | 3182 | 3751 | 4081 | 3850 | 3432 | 2952 | 2742 | 2912 | 0- 10 | 535.1 | 535.1 | 53.7,43.6 |
| 20 | 318.8 | 365.9 | 412.0 | 397.7 | 365.1 | 339.8 | 323.1 | 314.0 | 10- 20 | 321.1 | 856.2 | 85.9,69.8 |
| 30 | 85.23 | 91.59 | 98.01 | 93.48 | 92.27 | 90.08 | 87.60 | 82.61 | 20- 30 | 81.94 | 938.1 | 94.2,76.4 |
| 40 | 33.27 | 33.85 | 35.57 | 35.67 | 36.31 | 35.49 | 34.69 | 33.32 | 30- 40 | 34.85 | 972.9 | 97.7,79.3 |
| 50 | 11.47 | 11.47 | 12.29 | 12.65 | 13.01 | 12.59 | 12.24 | 11.88 | 40- 50 | 17.09 | 990.0 | 99.4,80.7 |
| 60 | 2.007 | 1.948 | 1.809 | 2.282 | 1.947 | 1.868 | 1.940 | 1.606 | 50- 60 | 5.414 | 995.5 | 99.9,81.1 |
| 70 | 0.1389 | 0.1453 | 0.1582 | 0.1619 | 0.1521 | 0.1355 | 0.1282 | 0.1227 | 60- 70 | 0.5265 | 996.0 | 100,81.2 |
| 80 | 0.0701 | 0.0586 | 0.0754 | 0.0604 | 0.0722 | 0.0510 | 0.0618 | 0.0500 | 70- 80 | 0.1022 | 996.1 | 100,81.2 |
| 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 80- 90 | 0.0375 | 996.1 | 100,81.2 |
| 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 90-100 | 0 | 996.1 | 100,81.2 |
| 110 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100-110 | 0 | 996.1 | 100,81.2 |
| 120 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 110-120 | 0 | 996.1 | 100,81.2 |
| 130 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 120-130 | 0 | 996.1 | 100,81.2 |
| 140 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 130-140 | 0 | 996.1 | 100,81.2 |
| 150 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 140-150 | 0 | 996.1 | 100,81.2 |
| 160 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 150-160 | 0 | 996.1 | 100,81.2 |
| 170 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 160-170 | 0 | 996.1 | 100,81.2 |
| 180 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 170-180 | 0 | 996.1 | 100,81.2 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: MEDIUM
Temperature:25.3℃
Operators:zoe
Test Date:2025-2-25

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:3.160m [K=1.0000]
Remarks: LAMP:BXRH-30G10T0-C-83 Ra:90
LENS:PM-1082 15R
NOT DRIVER:48V
30minutes warm-up

LUMINANCE LIMITATION CURVES

Test:U:47.997V I:0.2313A P:11.102W PF:0.8840 Freq:49.99Hz
Lamp Flux:1227.27x1 lm

NAME: OZ48-SA-HE-50

TYPE:

WEIGHT:

SPEC.: 3000K

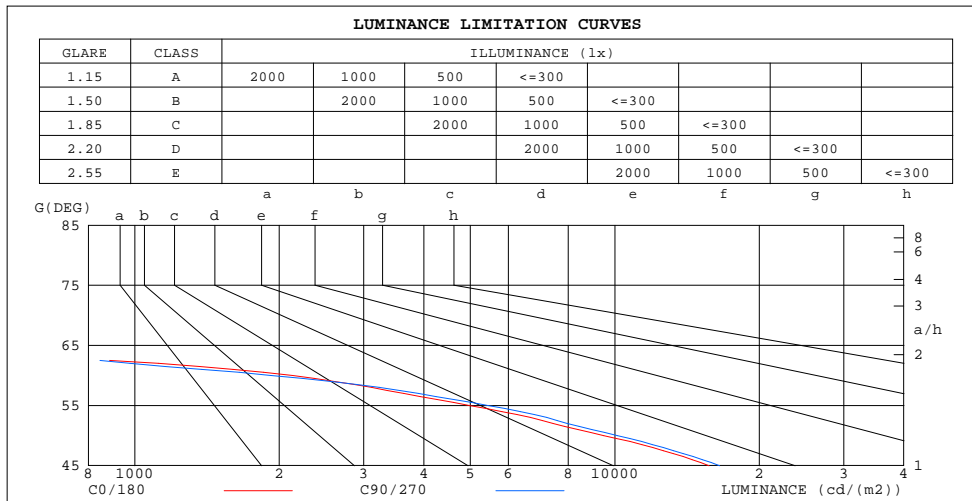
DIM.:

SERIAL No.: 2502250122

MFR.: RISE

SUR.: 0.001884785m2

Shielding Angle:



| LUMINANCE cd/(m2) | | |
|-------------------|--------|---------|
| G(180) | C0/180 | C90/270 |
| 85 | 310 | 310 |
| 80 | 214 | 230 |
| 75 | 207 | 222 |
| 70 | 216 | 245 |
| 65 | 326 | 364 |
| 60 | 2133 | 1919 |
| 55 | 4984 | 5449 |
| 50 | 9483 | 10137 |
| 45 | 15724 | 16540 |

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: MEDIUM
Temperature:25.3 °C
Operators:zoe
Test Date:2025-2-25

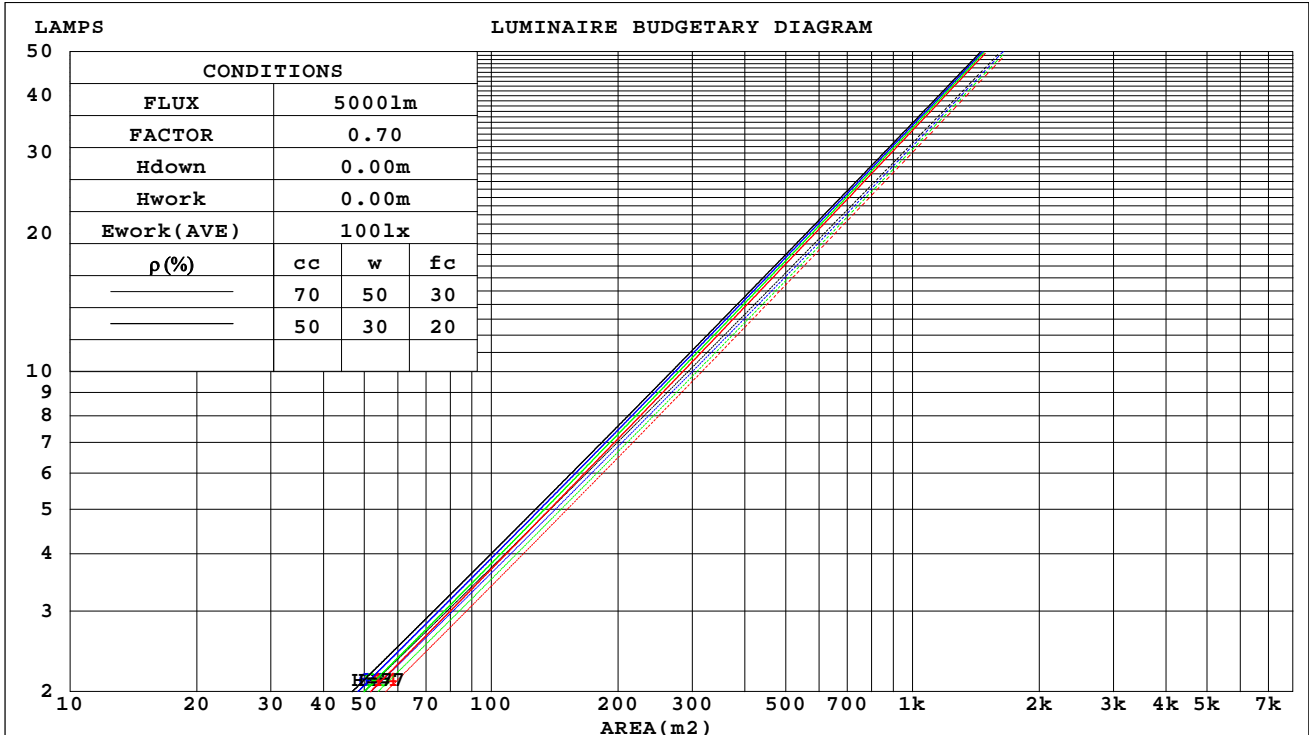
γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:3.160m [K=1.0000]
Remarks: LAMP:BXRH-30G10T0-C-83 Ra:90
LENS:PM-1082 15R
NOT DRIVER:48V
30minutes warm-up

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:47.997V I:0.2313A P:11.102W PF:0.8840 Freq:49.99Hz
Lamp Flux:1227.27x1 lm

| | | |
|---------------------|---------------------|------------------------|
| NAME: OZ48-SA-HE-50 | TYPE: | WEIGHT: |
| SPEC.: 3000K | DIM.: | SERIAL No.: 2502250122 |
| MFR.: RISE | SUR.: 0.001884785m2 | 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 | | | | | | | | | | | | | | | |



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: MEDIUM
Temperature:25.3℃
Operators:zoe
Test Date:2025-2-25

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:3.160m [K=1.0000]
Remarks: LAMP:BXRH-30G10T0-C-83 Ra:90
LENS:PM-1082 15R
NOT DRIVER:48V
30minutes warm-up

WEC AND CCEC

| | | |
|---|---------------------|------------------------|
| Test:U:47.997V I:0.2313A P:11.102W PF:0.8840 Freq:49.99Hz Lamp Flux:1227.27x1 lm | | |
| NAME: OZ48-SA-HE-50 | TYPE: | WEIGHT: |
| SPEC.: 3000K | DIM.: | SERIAL No.: 2502250122 |
| MFR.: RISE | SUR.: 0.001884785m2 | 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 | .102 | .058 | .018 | .096 | .055 | .017 | .086 | .049 | .016 | .077 | .044 | .014 | .069 | .040 | .013 | |
| 2.0 | .093 | .051 | .016 | .089 | .049 | .015 | .081 | .045 | .014 | .073 | .041 | .013 | .066 | .038 | .012 | |
| 3.0 | .086 | .046 | .014 | .083 | .044 | .013 | .076 | .041 | .013 | .070 | .038 | .012 | .064 | .035 | .011 | |
| 4.0 | .080 | .042 | .012 | .077 | .040 | .012 | .072 | .038 | .011 | .066 | .036 | .011 | .061 | .033 | .010 | |
| 5.0 | .075 | .038 | .011 | .073 | .037 | .011 | .068 | .035 | .010 | .063 | .033 | .010 | .059 | .032 | .009 | |
| 6.0 | .071 | .035 | .010 | .068 | .035 | .010 | .064 | .033 | .010 | .060 | .031 | .009 | .057 | .030 | .009 | |
| 7.0 | .067 | .033 | .009 | .065 | .032 | .009 | .061 | .031 | .009 | .058 | .030 | .009 | .055 | .028 | .008 | |
| 8.0 | .063 | .031 | .009 | .061 | .030 | .009 | .058 | .029 | .008 | .055 | .028 | .008 | .053 | .027 | .008 | |
| 9.0 | .060 | .029 | .008 | .058 | .029 | .008 | .056 | .028 | .008 | .053 | .027 | .008 | .051 | .026 | .007 | |
| 10.0 | .057 | .027 | .008 | .056 | .027 | .008 | .053 | .026 | .007 | .051 | .025 | .007 | .049 | .025 | .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 | .155 | .155 | .155 | .132 | .132 | .132 | .090 | .090 | .090 | .052 | .052 | .052 | .017 | .017 | .017 | | |
| 1.0 | .136 | .128 | .121 | .116 | .110 | .104 | .080 | .076 | .072 | .046 | .044 | .042 | .015 | .014 | .014 | | |
| 2.0 | .121 | .108 | .097 | .103 | .093 | .084 | .071 | .064 | .058 | .041 | .037 | .034 | .013 | .012 | .011 | | |
| 3.0 | .108 | .092 | .079 | .093 | .079 | .069 | .064 | .055 | .048 | .037 | .032 | .028 | .012 | .010 | .009 | | |
| 4.0 | .097 | .079 | .065 | .083 | .068 | .057 | .057 | .048 | .040 | .033 | .028 | .024 | .011 | .009 | .008 | | |
| 5.0 | .088 | .069 | .055 | .076 | .060 | .048 | .052 | .042 | .034 | .030 | .025 | .020 | .010 | .008 | .007 | | |
| 6.0 | .081 | .061 | .047 | .069 | .053 | .041 | .048 | .037 | .029 | .028 | .022 | .017 | .009 | .007 | .006 | | |
| 7.0 | .074 | .054 | .040 | .064 | .047 | .035 | .044 | .033 | .025 | .026 | .019 | .015 | .008 | .006 | .005 | | |
| 8.0 | .069 | .048 | .034 | .059 | .042 | .030 | .041 | .029 | .021 | .024 | .017 | .013 | .008 | .006 | .004 | | |
| 9.0 | .064 | .044 | .030 | .055 | .038 | .026 | .038 | .027 | .019 | .022 | .016 | .011 | .007 | .005 | .004 | | |
| 10.0 | .059 | .040 | .026 | .051 | .034 | .023 | .036 | .024 | .016 | .021 | .014 | .010 | .007 | .005 | .003 | | |

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: MEDIUM
Temperature:25.3℃
Operators:zoe
Test Date:2025-2-25

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:3.160m [K=1.0000]
Remarks: LAMP:BXRH-30G10T0-C-83 Ra:90
LENS:PM-1082 15R
NOT DRIVER:48V
30minutes warm-up

UGR(Unified Glare Rating) Table

| | | | | | | | | | | |
|---|------------------|------|------|------|---------------------|----------------|------|------------------------|------|------|
| Test:U:47.997V I:0.2313A P:11.102W PF:0.8840 Freq:49.99Hz Lamp Flux:1227.27x1 lm | | | | | | | | | | |
| NAME: OZ48-SA-HE-50 | | | | | TYPE: | | | WEIGHT: | | |
| SPEC.: 3000K | | | | | DIM.: | | | SERIAL No.: 2502250122 | | |
| MFR.: RISE | | | | | SUR.: 0.001884785m2 | | | 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 | 10.7 | 11.2 | 10.9 | 11.4 | 11.5 | 11.0 | 11.5 | 11.2 | 11.7 | 11.8 |
| 3H | 10.5 | 11.0 | 10.7 | 11.2 | 11.4 | 10.8 | 11.3 | 11.0 | 11.5 | 11.7 |
| 4H | 10.4 | 10.9 | 10.7 | 11.2 | 11.4 | 10.7 | 11.3 | 11.0 | 11.5 | 11.7 |
| 6H | 10.4 | 10.8 | 10.6 | 11.1 | 11.3 | 10.7 | 11.1 | 10.9 | 11.4 | 11.6 |
| 8H | 10.3 | 10.8 | 10.6 | 11.0 | 11.3 | 10.6 | 11.1 | 10.9 | 11.3 | 11.6 |
| 12H | 10.3 | 10.7 | 10.6 | 11.0 | 11.2 | 10.6 | 11.0 | 10.9 | 11.3 | 11.5 |
| 4H 2H | 10.5 | 11.0 | 10.7 | 11.2 | 11.4 | 10.8 | 11.3 | 11.0 | 11.5 | 11.7 |
| 3H | 10.3 | 10.8 | 10.6 | 11.0 | 11.3 | 10.6 | 11.1 | 10.9 | 11.3 | 11.6 |
| 4H | 10.2 | 10.6 | 10.5 | 10.9 | 11.2 | 10.5 | 10.9 | 10.8 | 11.2 | 11.5 |
| 6H | 10.1 | 10.5 | 10.5 | 10.8 | 11.1 | 10.4 | 10.8 | 10.8 | 11.1 | 11.4 |
| 8H | 10.1 | 10.4 | 10.4 | 10.7 | 11.1 | 10.4 | 10.7 | 10.7 | 11.0 | 11.4 |
| 12H | 10.0 | 10.3 | 10.4 | 10.7 | 11.1 | 10.3 | 10.6 | 10.7 | 11.0 | 11.4 |
| 8H 4H | 10.1 | 10.4 | 10.4 | 10.7 | 11.1 | 10.4 | 10.7 | 10.7 | 11.0 | 11.4 |
| 6H | 9.9 | 10.2 | 10.4 | 10.6 | 11.0 | 10.2 | 10.5 | 10.7 | 10.9 | 11.3 |
| 8H | 9.9 | 10.1 | 10.3 | 10.5 | 11.0 | 10.2 | 10.4 | 10.6 | 10.8 | 11.3 |
| 12H | 9.8 | 10.0 | 10.3 | 10.5 | 10.9 | 10.1 | 10.3 | 10.6 | 10.8 | 11.2 |
| 12H 4H | 10.0 | 10.3 | 10.4 | 10.7 | 11.1 | 10.3 | 10.6 | 10.7 | 11.0 | 11.4 |
| 6H | 9.9 | 10.1 | 10.3 | 10.5 | 11.0 | 10.2 | 10.4 | 10.6 | 10.8 | 11.3 |
| 8H | 9.8 | 10.0 | 10.3 | 10.5 | 10.9 | 10.1 | 10.3 | 10.6 | 10.8 | 11.2 |
| Variations with the observer position at spacings(CIE Pub.117): | | | | | | | | | | |
| S = 1.0H | + 2.4 / - 7.8 | | | | | + 2.6 / - 7.8 | | | | |
| 1.5H | + 3.2 / - 5.1 | | | | | + 3.5 / - 5.0 | | | | |
| 2.0H | + 5.3 / -16.2 | | | | | + 5.4 / -15.6 | | | | |

CIE Pub.117, 1227 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 0.7)
Area: 0.00188479 m2

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: MEDIUM
Temperature:25.3℃
Operators:zoe
Test Date:2025-2-25

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Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.461
Humidity:65.0%
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Remarks: LAMP:BXRH-30G10T0-C-83 Ra:90
LENS:PM-1082 15R
NOT DRIVER:48V
30minutes warm-up

UTILIZATION FACTORS TABLE

| | | |
|---|---------------------|------------------------|
| Test:U:47.997V I:0.2313A P:11.102W PF:0.8840 Freq:49.99Hz Lamp Flux:1227.27x1 lm | | |
| NAME: OZ48-SA-HE-50 | TYPE: | WEIGHT: |
| SPEC.: 3000K | DIM.: | SERIAL No.: 2502250122 |
| MFR.: RISE | SUR.: 0.001884785m2 | Shielding Angle: |

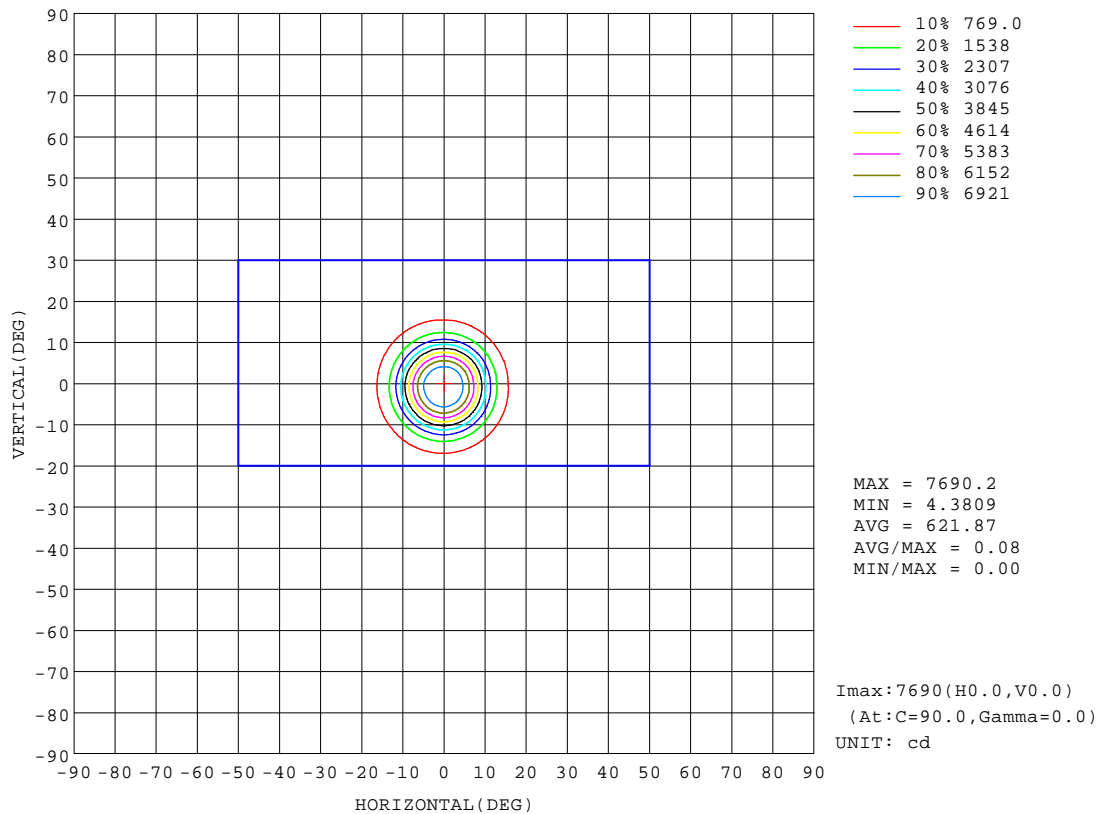
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|---|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 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 | 73 | 68 | 66 | 73 | 68 | 65 | 72 | 68 | 65 | 63 |
| 0.80 | 79 | 75 | 72 | 78 | 74 | 72 | 77 | 74 | 71 | 69 |
| 1.00 | 82 | 78 | 75 | 81 | 78 | 75 | 80 | 77 | 75 | 72 |
| 1.25 | 85 | 81 | 79 | 84 | 81 | 78 | 83 | 80 | 78 | 75 |
| 1.50 | 87 | 84 | 81 | 86 | 83 | 81 | 84 | 82 | 80 | 76 |
| 2.00 | 89 | 86 | 83 | 88 | 85 | 83 | 86 | 83 | 82 | 78 |
| 2.50 | 90 | 87 | 85 | 89 | 86 | 84 | 86 | 84 | 83 | 78 |
| 3.00 | 91 | 89 | 87 | 90 | 88 | 86 | 87 | 85 | 84 | 79 |
| 4.00 | 93 | 91 | 89 | 91 | 89 | 88 | 88 | 87 | 86 | 80 |
| 5.00 | 94 | 92 | 91 | 92 | 91 | 89 | 89 | 88 | 87 | 81 |
| 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: MEDIUM
Temperature:25.3 °C
Operators:zoe
Test Date:2025-2-25

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:3.160m [K=1.0000]
Remarks: LAMP:BXRH-30G10T0-C-83 Ra:90
LENS:PM-1082 15R
NOT DRIVER:48V
30minutes warm-up

ISOCANDELA DIAGRAM

| | | |
|---|---------------------|------------------------|
| Test:U:47.997V I:0.2313A P:11.102W PF:0.8840 Freq:49.99Hz Lamp Flux:1227.27x1 lm | | |
| NAME: OZ48-SA-HE-50 | TYPE: | WEIGHT: |
| SPEC.: 3000K | DIM.: | SERIAL No.: 2502250122 |
| MFR.: RISE | SUR.: 0.001884785m2 | Shielding Angle: |

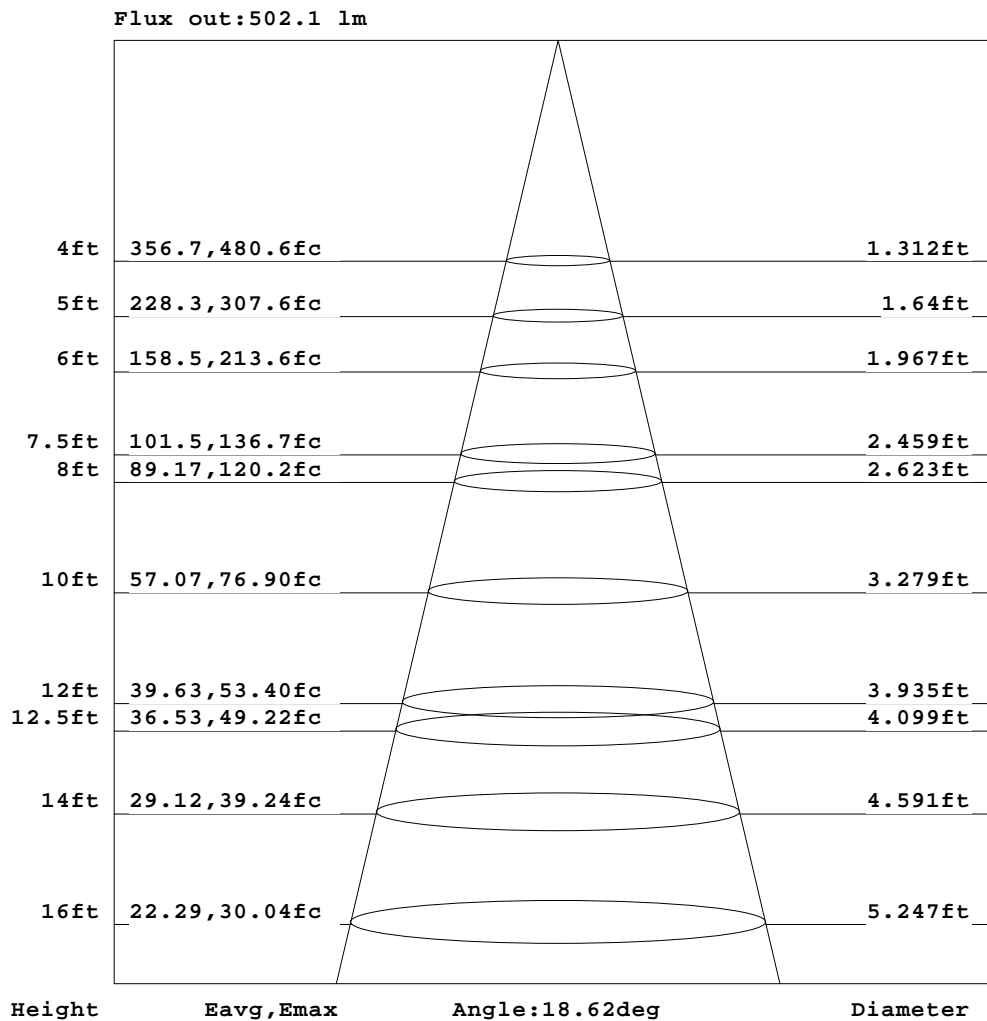


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: MEDIUM
Temperature:25.3°C
Operators:zoe
Test Date:2025-2-25

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:3.160m [K=1.0000]
Remarks: LAMP:BXRH-30G10T0-C-83 Ra:90
LENS:PM-1082 15R
NOT DRIVER:48V
30minutes warm-up

AAI Figure

| | | |
|---|---------------------|------------------------|
| Test:U:47.997V I:0.2313A P:11.102W PF:0.8840 Freq:49.99Hz Lamp Flux:1227.27x1 lm | | |
| NAME: OZ48-SA-HE-50 | TYPE: | WEIGHT: |
| SPEC.: 3000K | DIM.: | SERIAL No.: 2502250122 |
| MFR.: RISE | SUR.: 0.001884785m2 | Shielding Angle: |



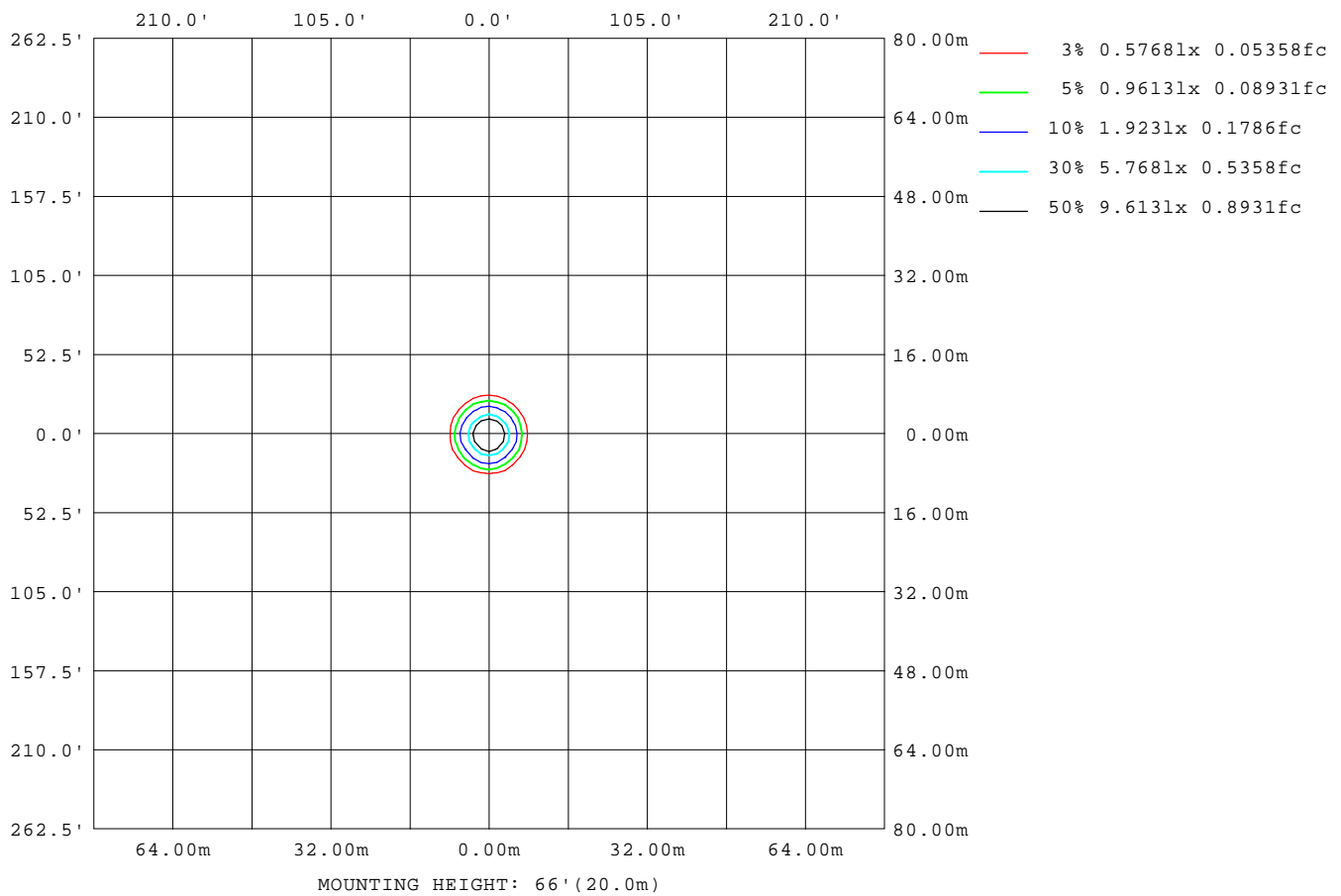
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: MEDIUM
Temperature:25.3℃
Operators:zoe
Test Date:2025-2-25

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:3.160m [K=1.0000]
Remarks: LAMP:BXRH-30G10T0-C-83 Ra:90
LENS:PM-1082 15R
NOT DRIVER:48V
30minutes warm-up

ISOLUX DIAGRAM

| | | |
|---|---------------------|------------------------|
| Test:U:47.997V I:0.2313A P:11.102W PF:0.8840 Freq:49.99Hz Lamp Flux:1227.27x1 lm | | |
| NAME: OZ48-SA-HE-50 | TYPE: | WEIGHT: |
| SPEC.: 3000K | DIM.: | SERIAL No.: 2502250122 |
| MFR.: RISE | SUR.: 0.001884785m2 | Shielding Angle: |



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: MEDIUM
Temperature: 25.3 °C
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Test Date: 2025-2-25

γ Range: 0 - 180DEG
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Test Distance: 3.160m [K=1.0000]
Remarks: LAMP: BXRH-30G10T0-C-83 Ra: 90
LENS: PM-1082 15R
NOT DRIVER: 48V
30minutes warm-up

LED Avg.L Report

| | | |
|---|---------------------|------------------------|
| Test:U:47.997V I:0.2313A P:11.102W PF:0.8840 Freq:49.99Hz Lamp Flux:1227.27x1 lm | | |
| NAME: OZ48-SA-HE-50 | TYPE: | WEIGHT: |
| SPEC.: 3000K | DIM.: | SERIAL No.: 2502250122 |
| MFR.: RISE | SUR.: 0.001884785m2 | Shielding Angle: |

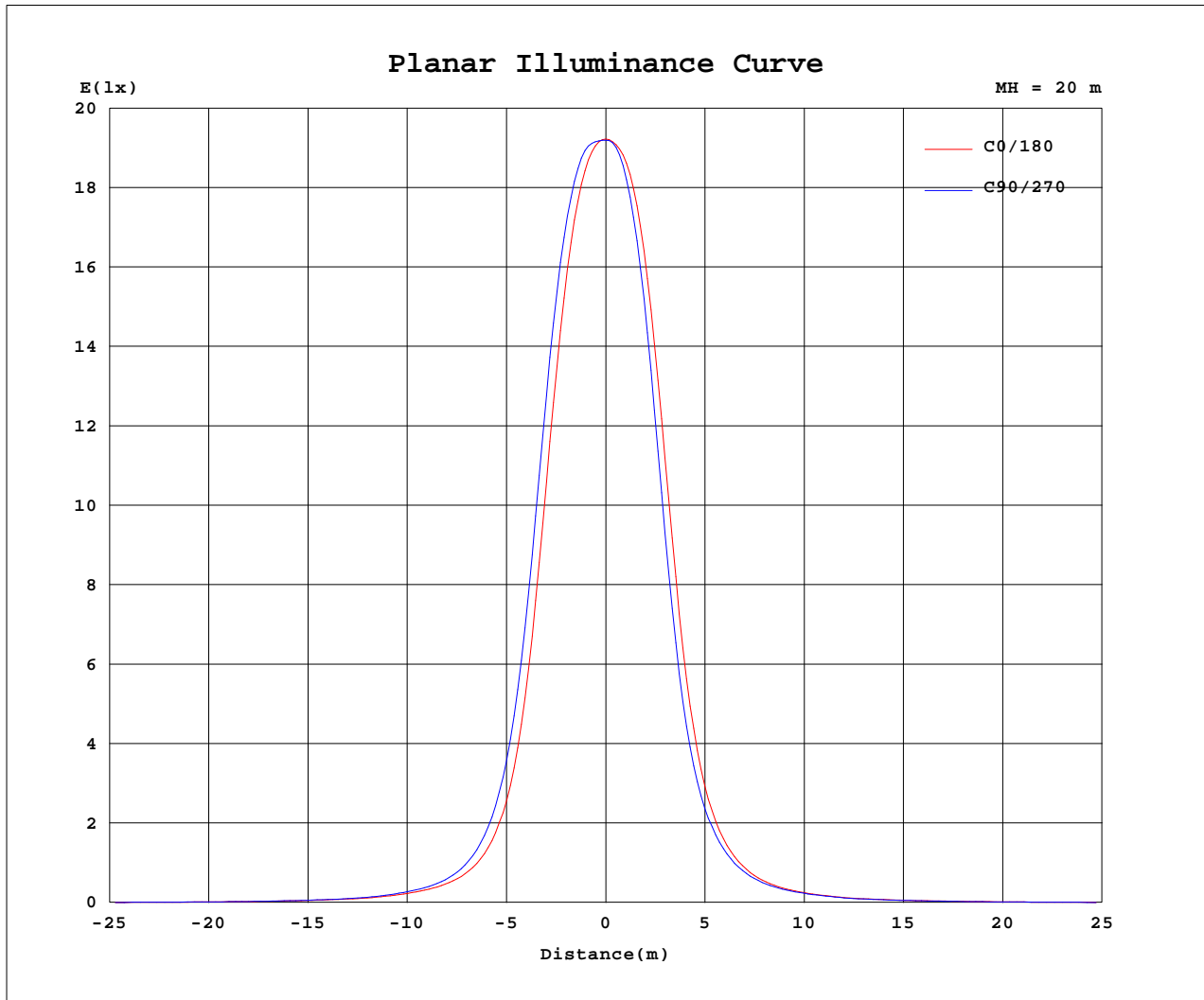
| AvgL | cd/m2 |
|----------------|-------|
| L_0~180(65)av | 347 |
| L_0~180(75)av | 211 |
| L_0~180(85)av | 285 |
| L_90~270(65)av | 344 |
| L_90~270(75)av | 201 |
| L_90~270(85)av | 290 |
| L_45(65)av | 342 |
| L_45(75)av | 185 |
| L_45(85)av | 162 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: MEDIUM
Temperature:25.3℃
Operators:zoe
Test Date:2025-2-25

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:3.160m [K=1.0000]
Remarks: LAMP:BXRH-30G10T0-C-83 Ra:90
LENS:PM-1082 15R
NOT DRIVER:48V
30minutes warm-up

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: MEDIUM
 Temperature: 25.3 °C
 Operators: zoe
 Test Date: 2025-2-25

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.461
 Humidity: 65.0%
 Test Distance: 3.160m [K=1.0000]
 Remarks: LAMP: BXRH-30G10T0-C-83 Ra: 90
 LENS: PM-1082 15R
 NOT DRIVER: 48V
 30minutes warm-up



LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|---|---------------------|------------------------|
| Test:U:47.997V I:0.2313A P:11.102W PF:0.8840 Freq:49.99Hz Lamp Flux:1227.27x1 lm | | |
| NAME: OZ48-SA-HE-50 | TYPE: | WEIGHT: |
| SPEC.: 3000K | DIM.: | SERIAL No.: 2502250122 |
| MFR.: RISE | SUR.: 0.001884785m2 | Shielding Angle: |

Table--1

UNIT: cd

| C(DEG) γ (DEG) | 0 | 30 | 60 | 90 | 120 | 150 | 180 | 210 | 240 | 270 | 300 | 330 | | | | | | |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|--|--|--|--|
| 0 | 7681 | 7681 | 7681 | 7681 | 7681 | 7681 | 7681 | 7681 | 7681 | 7681 | 7681 | 7681 | | | | | | |
| 5 | 6715 | 6924 | 7098 | 7187 | 7153 | 7027 | 6879 | 6670 | 6523 | 6465 | 6532 | 6648 | | | | | | |
| 10 | 3182 | 3582 | 3920 | 4081 | 3982 | 3719 | 3432 | 3068 | 2837 | 2742 | 2816 | 3008 | | | | | | |
| 15 | 893 | 1017 | 1143 | 1236 | 1200 | 1108 | 1021 | 936 | 884 | 846 | 835 | 856 | | | | | | |
| 20 | 319 | 348 | 384 | 412 | 408 | 387 | 365 | 345 | 334 | 323 | 315 | 313 | | | | | | |
| 25 | 157 | 167 | 179 | 188 | 183 | 176 | 170 | 164 | 163 | 158 | 154 | 153 | | | | | | |
| 30 | 85.2 | 89.6 | 93.6 | 98.0 | 94.5 | 92.4 | 92.3 | 90.6 | 89.5 | 87.6 | 82.8 | 82.4 | | | | | | |
| 35 | 52.2 | 53.5 | 55.3 | 57.0 | 55.2 | 55.0 | 55.9 | 54.8 | 54.1 | 53.0 | 50.9 | 50.6 | | | | | | |
| 40 | 33.3 | 33.6 | 34.2 | 35.6 | 35.4 | 35.9 | 36.3 | 35.7 | 35.2 | 34.7 | 33.5 | 33.1 | | | | | | |
| 45 | 20.9 | 21.0 | 21.2 | 22.1 | 22.3 | 22.7 | 23.0 | 22.7 | 22.4 | 22.0 | 21.5 | 21.1 | | | | | | |
| 50 | 11.5 | 11.4 | 11.6 | 12.3 | 12.5 | 12.8 | 13.0 | 12.7 | 12.4 | 12.2 | 12.0 | 11.8 | | | | | | |
| 55 | 5.38 | 5.52 | 5.74 | 5.89 | 5.96 | 6.01 | 6.14 | 5.92 | 5.69 | 5.55 | 5.53 | 5.52 | | | | | | |
| 60 | 2.01 | 2.11 | 1.79 | 1.81 | 2.30 | 2.26 | 1.95 | 1.72 | 2.02 | 1.94 | 1.55 | 1.66 | | | | | | |
| 65 | 0.26 | 0.27 | 0.28 | 0.29 | 0.30 | 0.30 | 0.29 | 0.28 | 0.27 | 0.26 | 0.24 | 0.24 | | | | | | |
| 70 | 0.14 | 0.14 | 0.15 | 0.16 | 0.16 | 0.16 | 0.15 | 0.14 | 0.13 | 0.13 | 0.12 | 0.12 | | | | | | |
| 75 | 0.10 | 0.09 | 0.10 | 0.11 | 0.11 | 0.10 | 0.10 | 0.09 | 0.08 | 0.09 | 0.08 | 0.08 | | | | | | |
| 80 | 0.07 | 0.06 | 0.06 | 0.08 | 0.06 | 0.06 | 0.07 | 0.05 | 0.05 | 0.06 | 0.05 | 0.05 | | | | | | |
| 85 | 0.05 | 0.03 | 0.03 | 0.05 | 0.03 | 0.03 | 0.04 | 0.03 | 0.03 | 0.04 | 0.03 | 0.03 | | | | | | |
| 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 | | | | | | |

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