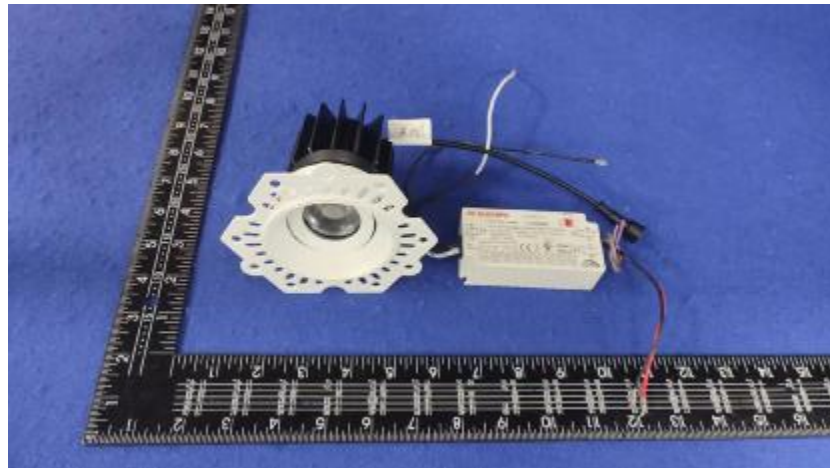


Luminaire Photograph



| | | |
|---------------------|---------|--------------------------|
| Light Output Ratio: | 80.3% | |
| Luminaire Power: | 17.76 W | |
| SHR Nominal: | 0.75 | Calculated using the TM5 |
| SHR Maximum: | 0.75 | fine grid method. |

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Zoe
Test Date: 2023-3-7

Range: 0 - 180DEG
Interval: 1.0DEG
Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.416
Humidity: 65.0%
Test Distance: 3.160m [K=1.0000]
Remarks: LAMP: BXRE-30G1000-A-83 Ra: 90
LENS: PM-1082B 36R
DRIVER: PUP20A-1WMC 450mA
30minutes warm-up

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

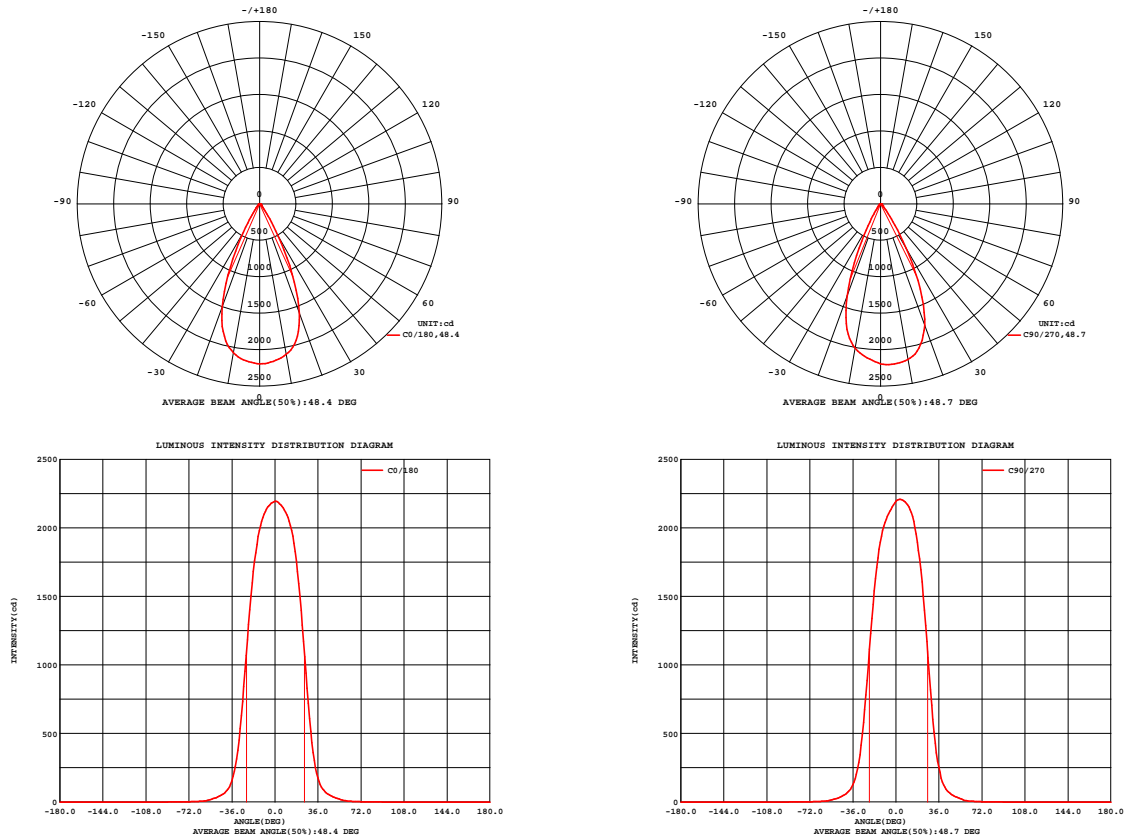


Fig. C0/C180

Fig. C90/C270

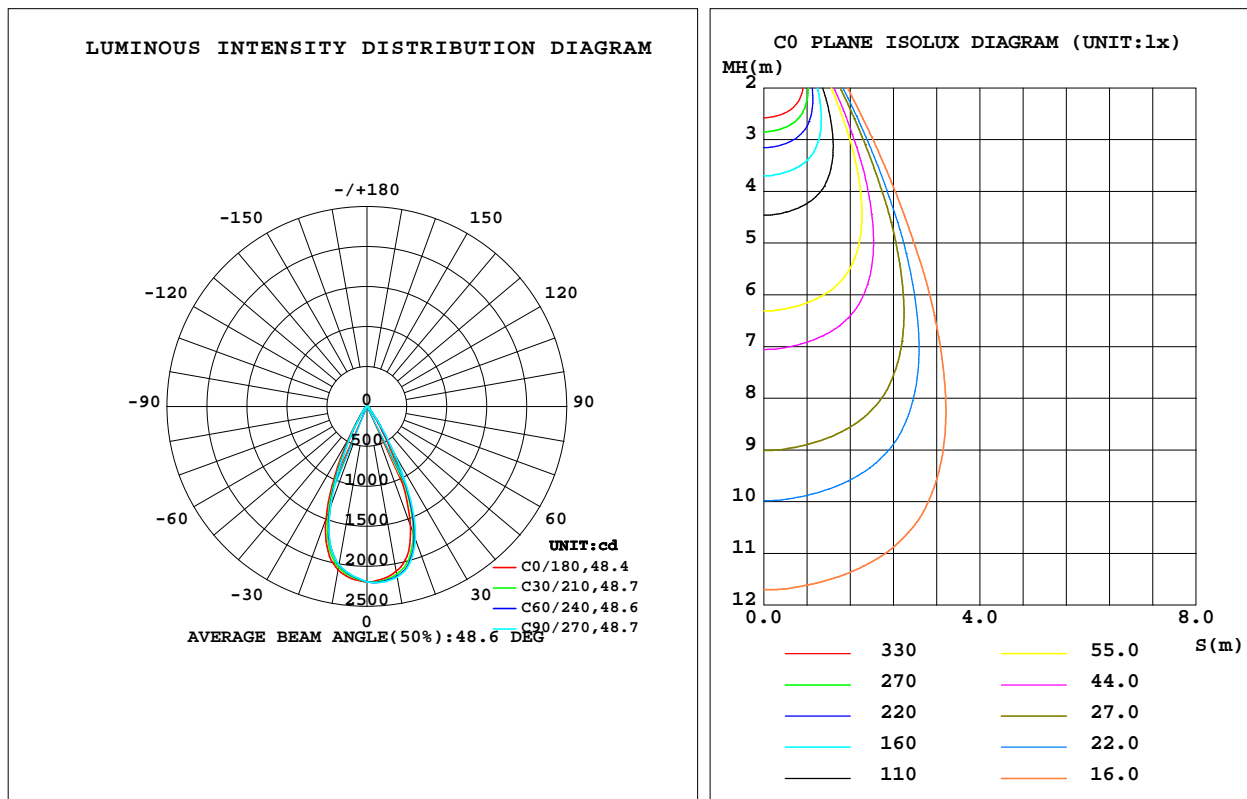
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Zoe
Test Date: 2023-3-7

Range: 0 - 180DEG
Interval: 1.0DEG
Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.416
Humidity: 65.0%
Test Distance: 3.160m [K=1.0000]
Remarks: LAMP: BXRE-30G1000-A-83 Ra: 90
LENS: PM-1082B 36R
DRIVER: PUP20A-1WMC 450mA
30minutes warm-up

LUMINAIRE PHOTOMETRIC TEST REPORT

| | | | | | |
|--|--|--------------------|--|-----------------------|--|
| Test:U:119.90V I:0.1488A P:17.760W PF:0.9941 Freq:59.98Hz Lamp Flux:1749.31x1 lm | | | | | |
| NAME: 2218.216F-LEA-14 | | TYPE: | | WEIGHT: | |
| SPEC.:3000K | | DIM.: | | SERIAL No.:2303070244 | |
| MFR.: RISE | | SUR.:0.003737385m2 | | Shielding Angle: | |

| DATA OF LAMP | | PHOTOMETRIC DATA | | | | Eff: 79.13 lm/W |
|------------------|-----------|-----------------------|--------|-----------------|--|-----------------|
| MODEL | Bridgelux | I _{max} (cd) | 2206 | S/MH(C0/180) | | 0.71 |
| NOMINAL POWER(W) | 18 | LOR(%) | 80.3 | S/MH(C90/270) | | 0.67 |
| RATED VOLTAGE(V) | 120 | TOTAL FLUX(lm) | 1405.3 | UP,DN(C0-180) | | 0.0,44.1 |
| NOMINAL FLUX(lm) | 1749.31 | CIE CLASS | DIRECT | UP,DN(C180-360) | | 0.0,36.3 |
| LAMPS INSIDE | 1 | up(%) | 0.0 | CIBSE SHR NOM | | 0.75 |
| TEST VOLTAGE(V) | 120 | down(%) | 80.3 | CIBSE SHR MAX | | 0.75 |



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Zoe
Test Date:2023-3-7

Range: 0 - 180DEG
Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.416
Humidity:65.0%
Test Distance:3.160m [K=1.0000]
Remarks: LAMP:BXRE-30G1000-A-83 Ra:90
LENS:PM-1082B 36R
DRIVER: PUP20A-1WMC 450mA
30minutes warm-up

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

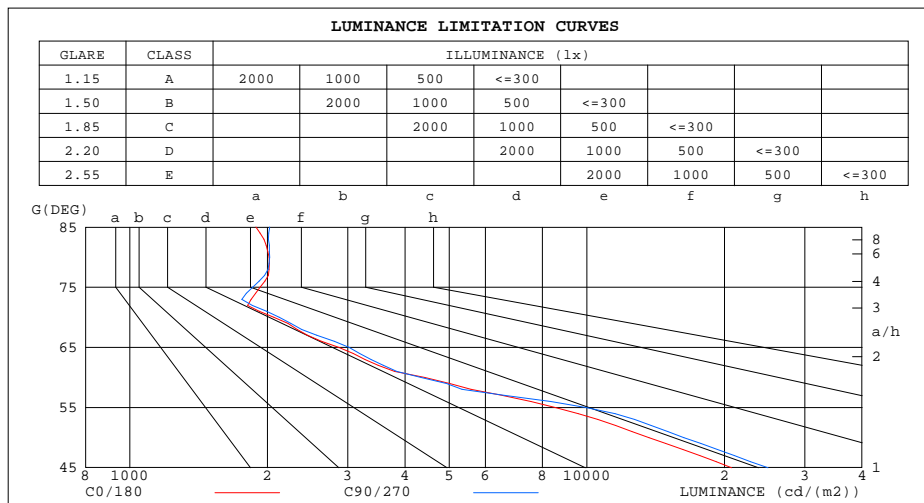
| | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | | zone | total | %lum,lamp |
|-----|-----------------------|-------|-------|-------|-------|-------|-------|-------|---------|---------|-------|-----------|
| 10 | 2096 | 2144 | 2166 | 2135 | 2074 | 2030 | 2012 | 2051 | 0- 10 | 204.2 | 204.2 | 14.5,11.7 |
| 20 | 1594 | 1715 | 1772 | 1676 | 1503 | 1384 | 1338 | 1474 | 10- 20 | 525.9 | 730.1 | 52,41.7 |
| 30 | 515.7 | 660.5 | 707.2 | 594.7 | 451.6 | 371.5 | 345.1 | 428.1 | 20- 30 | 461.7 | 1192 | 84.8,68.1 |
| 40 | 95.03 | 118.3 | 125.9 | 105.6 | 84.54 | 76.18 | 73.63 | 84.25 | 30- 40 | 147.4 | 1339 | 95.3,76.6 |
| 50 | 32.88 | 38.39 | 39.18 | 35.01 | 29.35 | 25.77 | 24.50 | 28.52 | 40- 50 | 43.35 | 1383 | 98.4,79 |
| 60 | 8.278 | 9.387 | 8.112 | 7.971 | 6.622 | 5.963 | 5.941 | 6.721 | 50- 60 | 15.86 | 1398 | 99.5,79.9 |
| 70 | 2.646 | 2.927 | 2.717 | 2.626 | 2.335 | 2.112 | 2.117 | 2.342 | 60- 70 | 4.365 | 1403 | 99.8,80.2 |
| 80 | 1.310 | 1.391 | 1.313 | 1.248 | 1.186 | 1.072 | 1.062 | 1.182 | 70- 80 | 1.895 | 1405 | 100,80.3 |
| 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 80- 90 | 0.6023 | 1405 | 100,80.3 |
| 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 90-100 | 0 | 1405 | 100,80.3 |
| 110 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100-110 | 0 | 1405 | 100,80.3 |
| 120 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 110-120 | 0 | 1405 | 100,80.3 |
| 130 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 120-130 | 0 | 1405 | 100,80.3 |
| 140 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 130-140 | 0 | 1405 | 100,80.3 |
| 150 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 140-150 | 0 | 1405 | 100,80.3 |
| 160 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 150-160 | 0 | 1405 | 100,80.3 |
| 170 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 160-170 | 0 | 1405 | 100,80.3 |
| 180 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 170-180 | 0 | 1405 | 100,80.3 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Zoe
Test Date:2023-3-7

Range: 0 - 180DEG
Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.416
Humidity:65.0%
Test Distance:3.160m [K=1.0000]
Remarks: LAMP:BXRE-30G1000-A-83 Ra:90
LENS:PM-1082B 36R
DRIVER: PUP20A-1WMC 450mA
30minutes warm-up

LUMINANCE LIMITATION CURVES

| | | |
|--|--------------------|-----------------------|
| Test:U:119.90V I:0.1488A P:17.760W PF:0.9941 Freq:59.98Hz Lamp Flux:1749.31x1 lm | | |
| NAME: 2218.216F-LEA-14 | TYPE: | WEIGHT: |
| SPEC.:3000K | DIM.: | SERIAL No.:2303070244 |
| MFR.: RISE | SUR.:0.003737385m2 | Shielding Angle: |



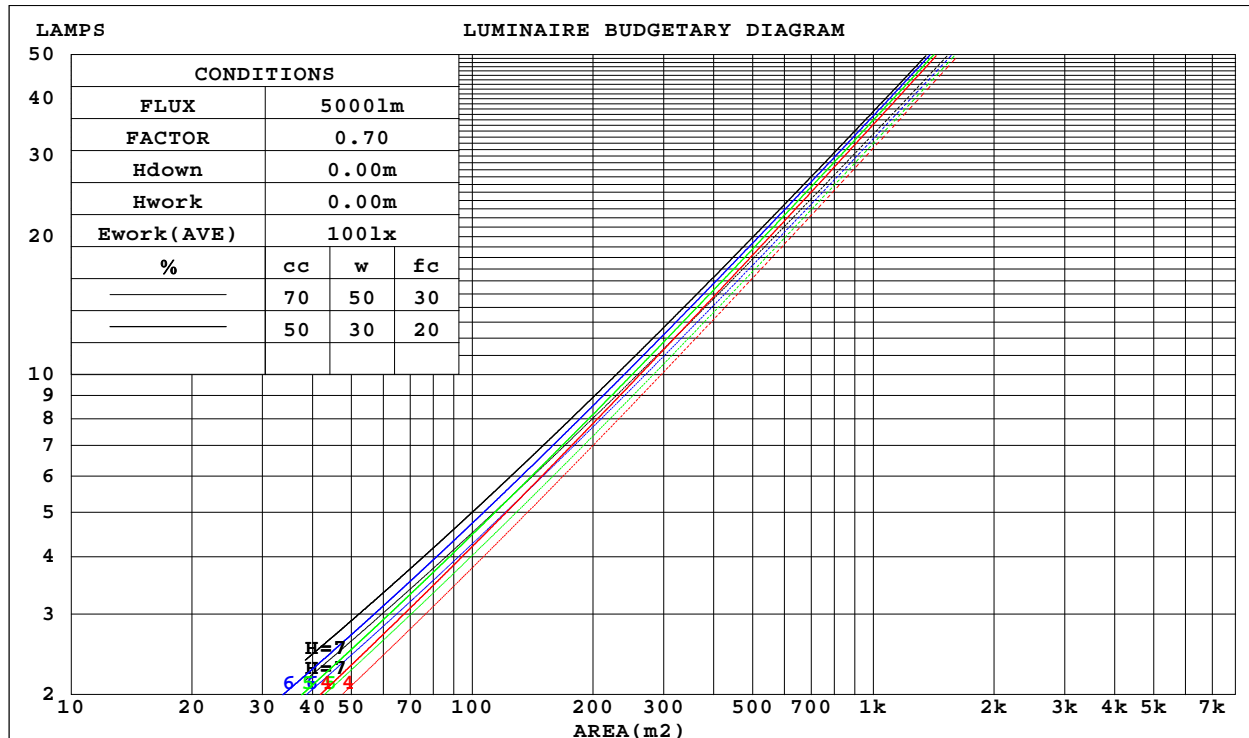
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Zoe
Test Date:2023-3-7

Range: 0 - 180DEG
Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.416
Humidity:65.0%
Test Distance:3.160m [K=1.0000]
Remarks: LAMP:BXRE-30G1000-A-83 Ra:90
LENS:PM-1082B 36R
DRIVER: PUP20A-1WMC 450mA
30minutes warm-up

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|--|--------------------|-----------------------|
| Test:U:119.90V I:0.1488A P:17.760W PF:0.9941 Freq:59.98Hz Lamp Flux:1749.31x1 lm | | |
| NAME: 2218.216F-LEA-14 | TYPE: | WEIGHT: |
| SPEC.:3000K | DIM.: | SERIAL No.:2303070244 |
| MFR.: RISE | SUR.:0.003737385m2 | 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:25.3DEG
Operators:Zoe
Test Date:2023-3-7

Range: 0 - 180DEG
Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.416
Humidity:65.0%
Test Distance:3.160m [K=1.0000]
Remarks: LAMP:BXRE-30G1000-A-83 Ra:90
LENS:PM-1082B 36R
DRIVER: PUP20A-1WMC 450mA
30minutes warm-up

WEC AND CCEC

| | | |
|--|--------------------|-----------------------|
| Test:U:119.90V I:0.1488A P:17.760W PF:0.9941 Freq:59.98Hz Lamp Flux:1749.31x1 lm | | |
| NAME: 2218.216F-LEA-14 | TYPE: | WEIGHT: |
| SPEC.:3000K | DIM.: | SERIAL No.:2303070244 |
| MFR.: RISE | SUR.:0.003737385m2 | 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 | .132 | .075 | .024 | .127 | .072 | .023 | .117 | .067 | .021 | .108 | .062 | .020 | .099 | .057 | .019 | |
| 2.0 | .125 | .069 | .021 | .121 | .067 | .021 | .113 | .063 | .019 | .105 | .059 | .018 | .098 | .055 | .017 | |
| 3.0 | .119 | .063 | .019 | .115 | .062 | .019 | .108 | .059 | .018 | .101 | .056 | .017 | .095 | .053 | .016 | |
| 4.0 | .113 | .059 | .017 | .110 | .057 | .017 | .103 | .055 | .016 | .098 | .053 | .016 | .092 | .050 | .015 | |
| 5.0 | .107 | .055 | .016 | .105 | .054 | .016 | .099 | .052 | .015 | .094 | .050 | .015 | .090 | .048 | .014 | |
| 6.0 | .102 | .051 | .015 | .100 | .050 | .015 | .095 | .049 | .014 | .091 | .047 | .014 | .087 | .046 | .014 | |
| 7.0 | .098 | .048 | .014 | .096 | .048 | .014 | .092 | .046 | .013 | .088 | .045 | .013 | .084 | .044 | .013 | |
| 8.0 | .094 | .046 | .013 | .092 | .045 | .013 | .088 | .044 | .013 | .085 | .043 | .012 | .081 | .042 | .012 | |
| 9.0 | .090 | .043 | .012 | .088 | .043 | .012 | .085 | .042 | .012 | .082 | .041 | .012 | .079 | .040 | .012 | |
| 10.0 | .086 | .041 | .011 | .085 | .041 | .011 | .082 | .040 | .011 | .079 | .039 | .011 | .076 | .038 | .011 | |

| 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 | .153 | .153 | .153 | .131 | .131 | .131 | .089 | .089 | .089 | .051 | .051 | .051 | .016 | .016 | .016 | |
| 1.0 | .137 | .126 | .117 | .117 | .109 | .101 | .080 | .075 | .070 | .046 | .043 | .041 | .015 | .014 | .013 | |
| 2.0 | .124 | .106 | .092 | .106 | .092 | .079 | .073 | .063 | .055 | .042 | .037 | .032 | .013 | .012 | .011 | |
| 3.0 | .113 | .091 | .074 | .097 | .079 | .064 | .067 | .055 | .045 | .038 | .032 | .026 | .012 | .010 | .009 | |
| 4.0 | .104 | .079 | .060 | .090 | .068 | .052 | .062 | .048 | .037 | .036 | .028 | .022 | .011 | .009 | .007 | |
| 5.0 | .097 | .070 | .049 | .083 | .060 | .043 | .057 | .042 | .030 | .033 | .025 | .018 | .011 | .008 | .006 | |
| 6.0 | .091 | .062 | .041 | .078 | .054 | .036 | .054 | .038 | .026 | .031 | .022 | .015 | .010 | .007 | .005 | |
| 7.0 | .085 | .056 | .035 | .073 | .048 | .031 | .051 | .034 | .022 | .029 | .020 | .013 | .010 | .007 | .004 | |
| 8.0 | .081 | .051 | .030 | .069 | .044 | .026 | .048 | .031 | .019 | .028 | .018 | .011 | .009 | .006 | .004 | |
| 9.0 | .077 | .046 | .026 | .066 | .040 | .023 | .046 | .028 | .016 | .027 | .017 | .010 | .009 | .005 | .003 | |
| 10.0 | .073 | .043 | .023 | .063 | .037 | .020 | .044 | .026 | .014 | .025 | .015 | .008 | .008 | .005 | .003 | |

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Zoe
Test Date:2023-3-7

Range: 0 - 180DEG
Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.416
Humidity:65.0%
Test Distance:3.160m [K=1.0000]
Remarks: LAMP:BXRE-30G1000-A-83 Ra:90
LENS:PM-1082B 36R
DRIVER: PUP20A-1WMC 450mA
30minutes warm-up

UGR(Unified Glare Rating) Table

| | | | | | | | | | | |
|--|------------------|------|------|------|--------------------|----------------|------|-----------------------|------|------|
| Test:U:119.90V I:0.1488A P:17.760W PF:0.9941 Freq:59.98Hz Lamp Flux:1749.31x1 lm | | | | | | | | | | |
| NAME: 2218.216F-LEA-14 | | | | | TYPE: | | | WEIGHT: | | |
| SPEC.:3000K | | | | | DIM.: | | | SERIAL No.:2303070244 | | |
| MFR.: RISE | | | | | SUR.:0.003737385m2 | | | 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 | 17.6 | 18.4 | 17.8 | 18.6 | 18.7 | 18.7 | 19.5 | 18.9 | 19.7 | 19.8 |
| 3H | 17.4 | 18.2 | 17.7 | 18.4 | 18.6 | 18.5 | 19.3 | 18.8 | 19.5 | 19.7 |
| 4H | 17.4 | 18.1 | 17.6 | 18.3 | 18.5 | 18.4 | 19.2 | 18.7 | 19.4 | 19.6 |
| 6H | 17.3 | 18.0 | 17.6 | 18.2 | 18.5 | 18.4 | 19.1 | 18.7 | 19.3 | 19.6 |
| 8H | 17.3 | 17.9 | 17.6 | 18.2 | 18.4 | 18.3 | 19.0 | 18.6 | 19.3 | 19.5 |
| 12H | 17.2 | 17.9 | 17.5 | 18.1 | 18.4 | 18.3 | 18.9 | 18.6 | 19.2 | 19.5 |
| 4H 2H | 17.4 | 18.1 | 17.6 | 18.3 | 18.6 | 18.5 | 19.2 | 18.7 | 19.4 | 19.6 |
| 3H | 17.2 | 17.9 | 17.6 | 18.2 | 18.4 | 18.3 | 19.0 | 18.6 | 19.2 | 19.5 |
| 4H | 17.2 | 17.8 | 17.5 | 18.1 | 18.4 | 18.2 | 18.8 | 18.6 | 19.1 | 19.4 |
| 6H | 17.1 | 17.6 | 17.5 | 18.0 | 18.3 | 18.2 | 18.7 | 18.5 | 19.0 | 19.4 |
| 8H | 17.1 | 17.6 | 17.5 | 17.9 | 18.3 | 18.1 | 18.6 | 18.5 | 19.0 | 19.3 |
| 12H | 17.0 | 17.5 | 17.4 | 17.8 | 18.2 | 18.1 | 18.5 | 18.5 | 18.9 | 19.3 |
| 8H 4H | 17.0 | 17.5 | 17.4 | 17.9 | 18.2 | 18.1 | 18.6 | 18.5 | 18.9 | 19.3 |
| 6H | 17.0 | 17.4 | 17.4 | 17.8 | 18.2 | 18.0 | 18.4 | 18.5 | 18.8 | 19.2 |
| 8H | 17.0 | 17.3 | 17.4 | 17.7 | 18.2 | 18.0 | 18.3 | 18.4 | 18.8 | 19.2 |
| 12H | 16.9 | 17.2 | 17.4 | 17.7 | 18.1 | 18.0 | 18.3 | 18.4 | 18.7 | 19.2 |
| 12H 4H | 17.0 | 17.4 | 17.4 | 17.8 | 18.2 | 18.0 | 18.5 | 18.5 | 18.9 | 19.2 |
| 6H | 16.9 | 17.3 | 17.4 | 17.7 | 18.1 | 18.0 | 18.3 | 18.4 | 18.7 | 19.2 |
| 8H | 16.9 | 17.2 | 17.4 | 17.6 | 18.1 | 17.9 | 18.2 | 18.4 | 18.7 | 19.2 |
| Variations with the observer position at spacings: | | | | | | | | | | |
| S = 1.0H | + 2.3 / - 5.6 | | | | | + 3.5 / - 6.5 | | | | |
| 1.5H | + 3.5 / - 3.3 | | | | | + 5.0 / - 4.2 | | | | |
| 2.0H | + 3.9 / - 4.7 | | | | | + 4.3 / - 5.3 | | | | |

CIE Pub.117, 1749 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 1.9$)
Area: 0.00373738 m2

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Zoe
Test Date:2023-3-7

Range: 0 - 180DEG
Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.416
Humidity:65.0%
Test Distance:3.160m [K=1.0000]
Remarks: LAMP:BXRE-30G1000-A-83 Ra:90
LENS:PM-1082B 36R
DRIVER: PUP20A-1WMC 450mA
30minutes warm-up

UTILIZATION FACTORS TABLE

| | | |
|--|--------------------|-----------------------|
| Test:U:119.90V I:0.1488A P:17.760W PF:0.9941 Freq:59.98Hz Lamp Flux:1749.3lx1 lm | | |
| NAME: 2218.216F-LEA-14 | TYPE: | WEIGHT: |
| SPEC.:3000K | DIM.: | SERIAL No.:2303070244 |
| MFR.: RISE | SUR.:0.003737385m2 | Shielding Angle: |

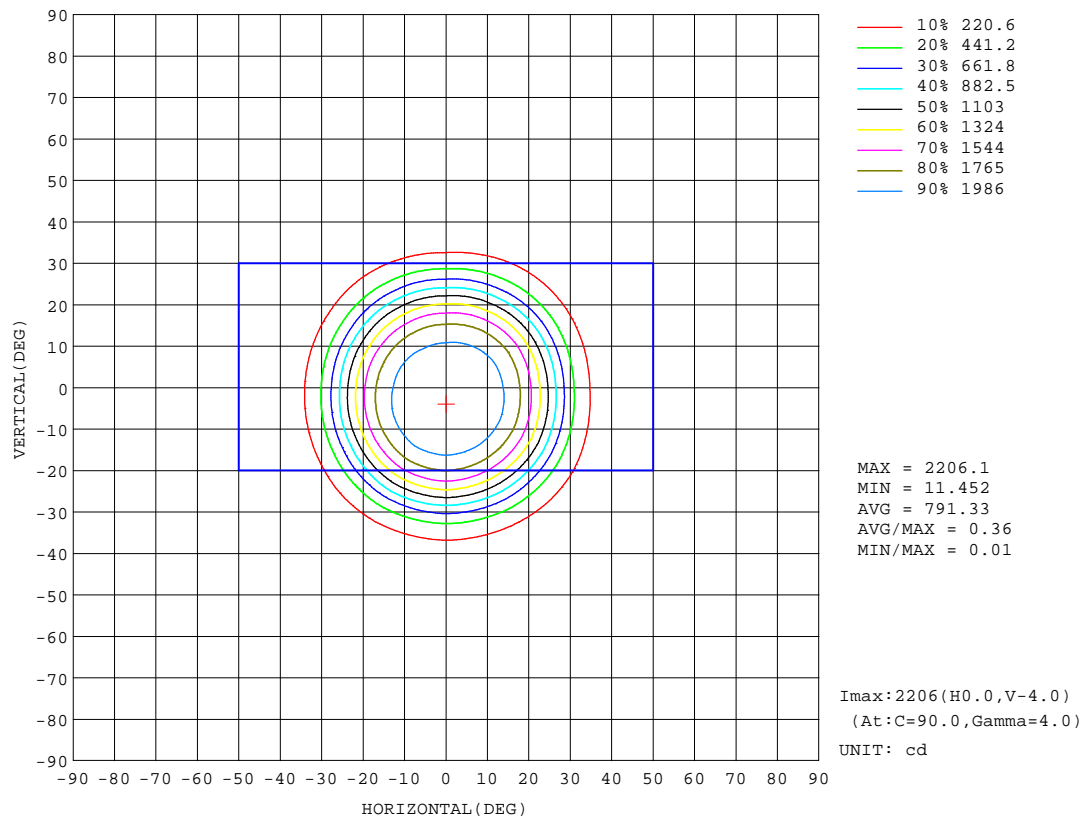
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|---|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 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 | 71 | 66 | 63 | 71 | 66 | 63 | 70 | 66 | 63 | 60 |
| 0.80 | 77 | 73 | 70 | 76 | 72 | 70 | 76 | 72 | 69 | 66 |
| 1.00 | 80 | 76 | 73 | 80 | 76 | 73 | 79 | 76 | 73 | 70 |
| 1.25 | 84 | 80 | 77 | 83 | 79 | 77 | 81 | 78 | 76 | 73 |
| 1.50 | 86 | 82 | 79 | 85 | 81 | 79 | 83 | 80 | 78 | 75 |
| 2.00 | 88 | 84 | 82 | 86 | 84 | 81 | 84 | 82 | 80 | 76 |
| 2.50 | 89 | 86 | 84 | 88 | 85 | 83 | 85 | 83 | 81 | 77 |
| 3.00 | 90 | 87 | 85 | 89 | 86 | 84 | 86 | 84 | 83 | 78 |
| 4.00 | 92 | 90 | 88 | 90 | 88 | 87 | 87 | 86 | 85 | 79 |
| 5.00 | 93 | 91 | 89 | 91 | 89 | 88 | 88 | 87 | 86 | 80 |
| 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:25.3DEG
Operators:Zoe
Test Date:2023-3-7

Range: 0 - 180DEG
Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.416
Humidity:65.0%
Test Distance:3.160m [K=1.0000]
Remarks: LAMP:BXRE-30G1000-A-83 Ra:90
LENS:PM-1082B 36R
DRIVER: PUP20A-1WMC 450mA
30minutes warm-up

ISOCANDELA DIAGRAM

| | | |
|--|--------------------|-----------------------|
| Test:U:119.90V I:0.1488A P:17.760W PF:0.9941 Freq:59.98Hz Lamp Flux:1749.3lx1 lm | | |
| NAME: 2218.216F-LEA-14 | TYPE: | WEIGHT: |
| SPEC.:3000K | DIM.: | SERIAL No.:2303070244 |
| MFR.: RISE | SUR.:0.003737385m2 | Shielding Angle: |



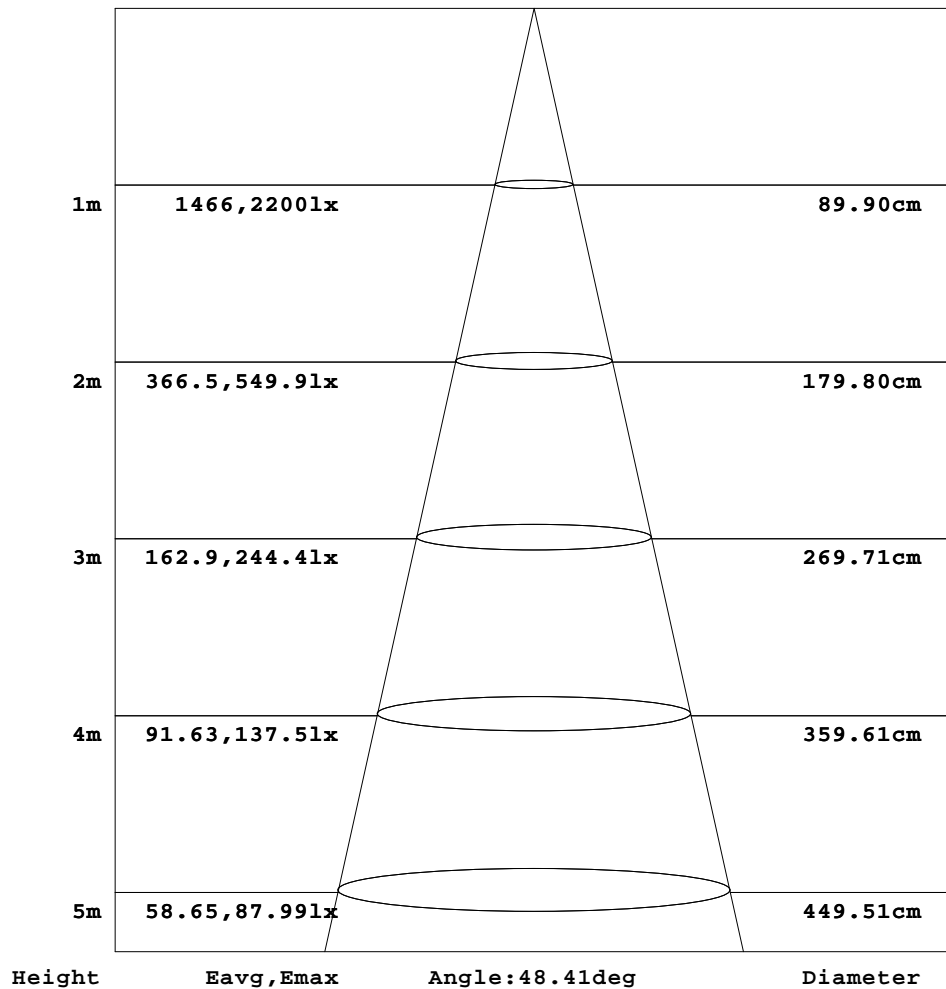
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Zoe
Test Date:2023-3-7

Range: 0 - 180DEG
Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.416
Humidity:65.0%
Test Distance:3.160m [K=1.0000]
Remarks: LAMP:BXRE-30G1000-A-83 Ra:90
LENS:PM-1082B 36R
DRIVER: PUP20A-1WMC 450mA
30minutes warm-up

AAI Figure

| | | |
|--|--------------------|-----------------------|
| Test:U:119.90V I:0.1488A P:17.760W PF:0.9941 Freq:59.98Hz Lamp Flux:1749.31x1 lm | | |
| NAME: 2218.216F-LEA-14 | TYPE: | WEIGHT: |
| SPEC.:3000K | DIM.: | SERIAL No.:2303070244 |
| MFR.: RISE | SUR.:0.003737385m2 | Shielding Angle: |

Flux out:1002 lm



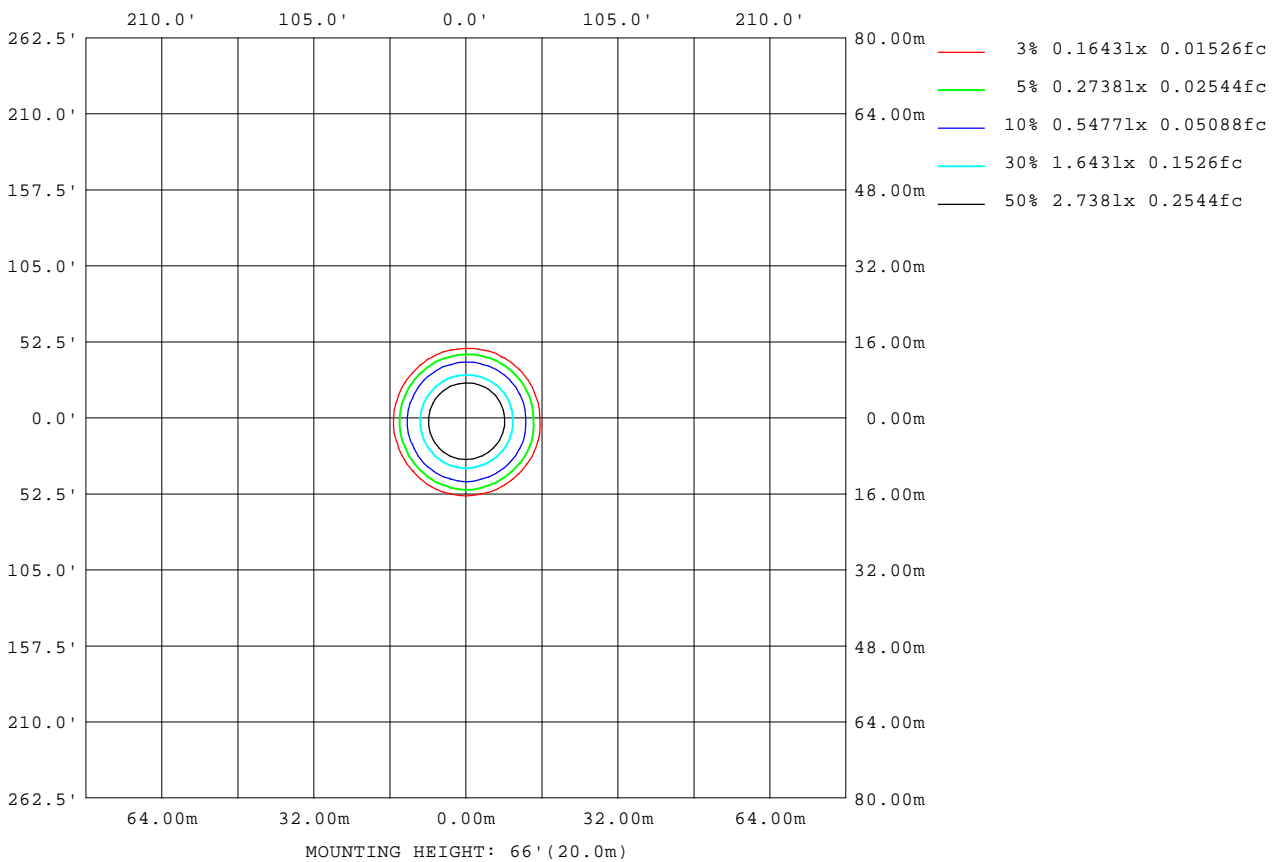
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Zoe
Test Date:2023-3-7

Range: 0 - 180DEG
Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.416
Humidity:65.0%
Test Distance:3.160m [K=1.0000]
Remarks: LAMP:BXRE-30G1000-A-83 Ra:90
LENS:PM-1082B 36R
DRIVER: PUP20A-1WMC 450mA
30minutes warm-up

ISOLUX DIAGRAM

| | | |
|--|--------------------|-----------------------|
| Test:U:119.90V I:0.1488A P:17.760W PF:0.9941 Freq:59.98Hz Lamp Flux:1749.3lx1 lm | | |
| NAME: 2218.216F-LEA-14 | TYPE: | WEIGHT: |
| SPEC.:3000K | DIM.: | SERIAL No.:2303070244 |
| MFR.: RISE | SUR.:0.003737385m2 | Shielding Angle: |



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Zoe
Test Date:2023-3-7

Range: 0 - 180DEG
Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.416
Humidity:65.0%
Test Distance:3.160m [K=1.0000]
Remarks: LAMP:BXRE-30G1000-A-83 Ra:90
LENS:PM-1082B 36R
DRIVER: PUP20A-1WMC 450mA
30minutes warm-up

LED Avg.L Report

| | | |
|--|--------------------|-----------------------|
| Test:U:119.90V I:0.1488A P:17.760W PF:0.9941 Freq:59.98Hz Lamp Flux:1749.31x1 lm | | |
| NAME: 2218.216F-LEA-14 | TYPE: | WEIGHT: |
| SPEC.:3000K | DIM.: | SERIAL No.:2303070244 |
| MFR.: RISE | SUR.:0.003737385m2 | Shielding Angle: |

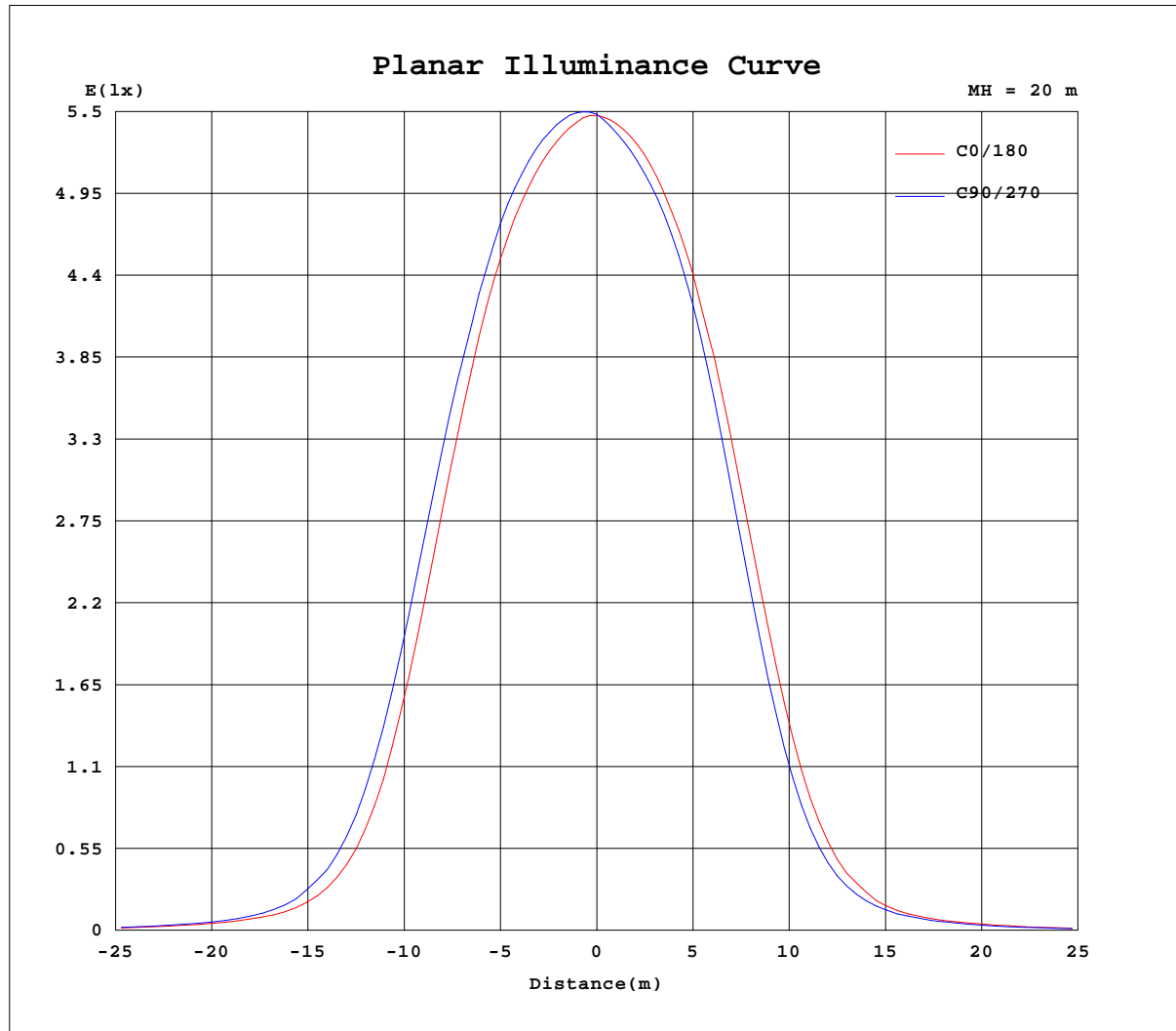
| AvgL | cd/m2 |
|----------------|-------|
| L_0~180(65)av | 2665 |
| L_0~180(75)av | 1879 |
| L_0~180(85)av | 1761 |
| L_90~270(65)av | 2595 |
| L_90~270(75)av | 1820 |
| L_90~270(85)av | 1630 |
| L_45(65)av | 2693 |
| L_45(75)av | 1866 |
| L_45(85)av | 1627 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Zoe
Test Date:2023-3-7

Range: 0 - 180DEG
Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.416
Humidity:65.0%
Test Distance:3.160m [K=1.0000]
Remarks: LAMP:BXRE-30G1000-A-83 Ra:90
LENS:PM-1082B 36R
DRIVER: PUP20A-1WMC 450mA
30minutes warm-up

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Zoe
 Test Date: 2023-3-7

Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.416
 Humidity: 65.0%
 Test Distance: 3.160m [K=1.0000]
 Remarks: LAMP: BXRE-30G1000-A-83 Ra:90
 LENS: PM-1082B 36R
 DRIVER: PUP20A-1WMC 450mA
 30minutes warm-up



LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|--|--------------------|-----------------------|
| Test:U:119.90V I:0.1488A P:17.760W PF:0.9941 Freq:59.98Hz Lamp Flux:1749.31x1 lm | | |
| NAME: 2218.216F-LEA-14 | TYPE: | WEIGHT: |
| SPEC.:3000K | DIM.: | SERIAL No.:2303070244 |
| MFR.: RISE | SUR.:0.003737385m2 | Shielding Angle: |

Table--1

UNIT: cd

| C(DEG) (DEG) | 0 | 30 | 60 | 90 | 120 | 150 | 180 | 210 | 240 | 270 | 300 | 330 | | | | | | |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|--|--|--|--|
| 0 | 2193 | 2193 | 2193 | 2193 | 2193 | 2193 | 2193 | 2193 | 2193 | 2193 | 2193 | 2193 | | | | | | |
| 5 | 2167 | 2188 | 2200 | 2204 | 2196 | 2179 | 2161 | 2140 | 2125 | 2121 | 2130 | 2149 | | | | | | |
| 10 | 2096 | 2131 | 2156 | 2166 | 2154 | 2115 | 2074 | 2046 | 2014 | 2012 | 2034 | 2068 | | | | | | |
| 15 | 1939 | 1995 | 2030 | 2045 | 2026 | 1953 | 1877 | 1828 | 1787 | 1781 | 1825 | 1892 | | | | | | |
| 20 | 1594 | 1693 | 1738 | 1772 | 1734 | 1618 | 1503 | 1414 | 1353 | 1338 | 1423 | 1525 | | | | | | |
| 25 | 1058 | 1196 | 1253 | 1288 | 1235 | 1086 | 954 | 861 | 800 | 780 | 860 | 977 | | | | | | |
| 30 | 516 | 632 | 689 | 707 | 655 | 535 | 452 | 385 | 358 | 345 | 394 | 462 | | | | | | |
| 35 | 209 | 263 | 286 | 298 | 271 | 218 | 188 | 157 | 147 | 146 | 166 | 192 | | | | | | |
| 40 | 95.0 | 114 | 123 | 126 | 116 | 95.2 | 84.5 | 78.8 | 73.6 | 73.6 | 79.5 | 89.0 | | | | | | |
| 45 | 54.8 | 62.3 | 65.6 | 65.8 | 62.6 | 54.5 | 50.0 | 45.4 | 43.3 | 42.1 | 46.2 | 51.3 | | | | | | |
| 50 | 32.9 | 37.4 | 39.3 | 39.2 | 37.3 | 32.7 | 29.3 | 26.4 | 25.1 | 24.5 | 26.9 | 30.2 | | | | | | |
| 55 | 18.3 | 21.4 | 22.2 | 21.4 | 20.6 | 17.6 | 15.5 | 13.6 | 12.7 | 12.6 | 14.1 | 16.7 | | | | | | |
| 60 | 8.28 | 8.94 | 9.83 | 8.11 | 8.62 | 7.32 | 6.62 | 6.09 | 5.83 | 5.94 | 6.26 | 7.18 | | | | | | |
| 65 | 4.53 | 5.01 | 5.07 | 4.77 | 4.77 | 4.25 | 3.89 | 3.55 | 3.44 | 3.43 | 3.70 | 4.15 | | | | | | |
| 70 | 2.65 | 2.90 | 2.96 | 2.72 | 2.77 | 2.48 | 2.34 | 2.13 | 2.09 | 2.12 | 2.22 | 2.46 | | | | | | |
| 75 | 1.87 | 1.89 | 1.89 | 1.80 | 1.84 | 1.78 | 1.77 | 1.72 | 1.71 | 1.72 | 1.77 | 1.83 | | | | | | |
| 80 | 1.31 | 1.38 | 1.40 | 1.31 | 1.32 | 1.18 | 1.19 | 1.09 | 1.06 | 1.06 | 1.13 | 1.24 | | | | | | |
| 85 | 0.62 | 0.72 | 0.75 | 0.66 | 0.53 | 0.42 | 0.53 | 0.43 | 0.40 | 0.40 | 0.46 | 0.56 | | | | | | |
| 90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |
| 95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |
| 100 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |
| 105 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |
| 110 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |
| 115 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |
| 120 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |
| 125 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |
| 130 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |
| 135 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |
| 140 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |
| 145 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |
| 150 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |
| 155 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |
| 160 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |
| 165 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |
| 170 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |
| 175 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |
| 180 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |

C Range: 0 - 360DEG
C Interval: 30.0DEG
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Operators:Zoe
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