

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

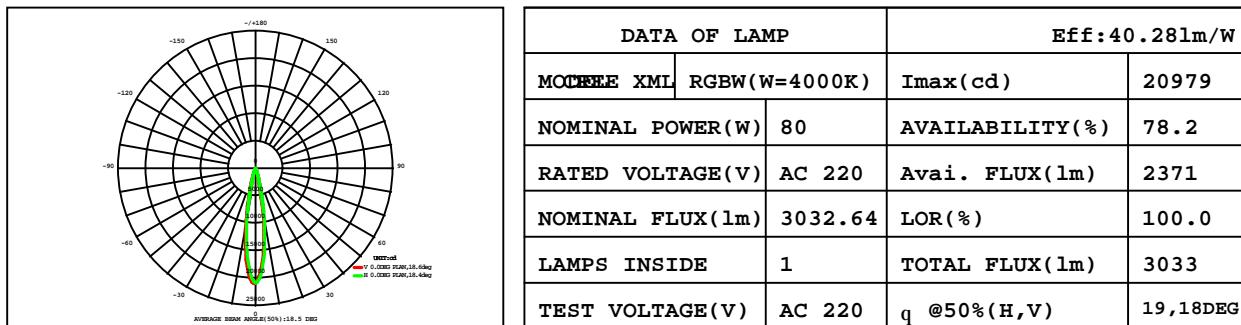
| | |
|---|--|
| Maximum Intensity (Luminaire orientation as tested.) | 6917.8 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal |
| Beam Spread | At 10% of I _{max} 36.0V x 36.4H At 50% of I _{max} 18.4V x 18.6H At 90% of I _{max} 6.9V x 7.1H |
| Beam Flux | Total 1001.1 lumens per klm. To 10% of I _{max} 785.7 lumens per klm. To 50% of I _{max} 410.0 lumens per klm. To 90% of I _{max} 78.3 lumens per klm. |
| | Upward LOR 2.2 % Downward LOR 97.9 % |
| Luminaire Efficiency(Light Output Ratio) | 100.0 % |

H(b) Range:-90 - 90DEG
H(b) Interval: 0.5DEG
Test Speed: HIGH
Temperature:30DEG
Operators:Matthew
Test Date:2018-07-18

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.290
Humidity:65.0%
Test Distance:11.510m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

| | | |
|---|-------|-------------------|
| Test:U:220.6V I:0.3546A P:75.29W PF:0.9624 Lamp Flux:3032.64x1 lm | | |
| NAME: L0229-80W-12-RGBW(W=4000K)-BCQ15D+5D-XML-ALL TYPE:PROJECTOR | | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: 广东亮美集照明科技有限公司 | SUR.: | PROTECTION ANGLE: |



| VERTICAL(DEG) | AREA FLUX DIAGRAM | | | | | | | | | | | | | | | | | | | | UNIT:lm | F t | F a |
|---------------|-------------------|------|------|------|------|------|------|------|-----------------|------|------|------|------|------|------|------|------|------|------|------|---------|-----|-----|
| | 0.36 | 0.47 | 0.59 | 0.74 | 0.92 | 1.10 | 1.28 | 1.41 | 1.49 | 1.47 | 1.37 | 1.21 | 1.03 | 0.85 | 0.68 | 0.54 | 0.43 | 0.33 | 16.3 | 0.00 | | | |
| 27 | 0.46 | 0.61 | 0.81 | 1.08 | 1.39 | 1.73 | 2.07 | 2.34 | 2.48 | 2.44 | 2.24 | 1.94 | 1.59 | 1.26 | 0.97 | 0.73 | 0.55 | 0.41 | 25.1 | 0.00 | | | |
| 24 | 0.58 | 0.80 | 1.14 | 1.58 | 2.14 | 2.80 | 3.46 | 4.03 | 4.34 | 4.26 | 3.82 | 3.19 | 2.53 | 1.91 | 1.40 | 1.00 | 0.71 | 0.51 | 40.2 | 0.00 | | | |
| 21 | 0.72 | 1.06 | 1.57 | 2.32 | 3.33 | 4.59 | 5.97 | 7.16 | 7.83 | 7.67 | 6.73 | 5.43 | 4.08 | 2.91 | 2.01 | 1.37 | 0.92 | 0.63 | 66.3 | 34.7 | | | |
| 18 | 0.89 | 1.38 | 2.15 | 3.35 | 5.15 | 7.55 | 10.2 | 12.6 | 14.1 | 13.8 | 11.8 | 9.16 | 6.57 | 4.40 | 2.86 | 1.83 | 1.18 | 0.77 | 110 | 87.4 | | | |
| 15 | 1.08 | 1.74 | 2.84 | 4.71 | 7.66 | 12.0 | 16.9 | 21.2 | 23.8 | 23.1 | 19.6 | 14.9 | 10.2 | 6.44 | 3.94 | 2.40 | 1.47 | 0.92 | 175 | 155 | | | |
| 12 | 1.27 | 2.10 | 3.60 | 6.25 | 10.7 | 17.3 | 25.2 | 32.3 | 36.1 | 35.0 | 29.5 | 22.0 | 14.6 | 8.78 | 5.14 | 2.98 | 1.76 | 1.07 | 256 | 239 | | | |
| 9 | 1.41 | 2.41 | 4.27 | 7.66 | 13.6 | 22.4 | 33.2 | 43.0 | 48.0 | 46.5 | 39.1 | 28.6 | 18.5 | 10.9 | 6.18 | 3.47 | 1.99 | 1.18 | 332 | 316 | | | |
| | 1.50 | 2.59 | 4.68 | 8.61 | 15.5 | 25.8 | 38.2 | 49.5 | 55.5 | 53.5 | 44.7 | 32.6 | 20.9 | 12.2 | 6.79 | 3.77 | 2.12 | 1.25 | 380 | 365 | | | |
| | 1.50 | 2.58 | 4.65 | 8.58 | 15.5 | 25.6 | 37.8 | 48.9 | 54.9 | 53.3 | 44.7 | 32.5 | 20.9 | 12.2 | 6.77 | 3.75 | 2.12 | 1.25 | 377 | 363 | | | |
| | 1.40 | 2.38 | 4.19 | 7.56 | 13.4 | 21.9 | 32.3 | 41.8 | 47.2 | 45.9 | 38.4 | 28.2 | 18.3 | 10.9 | 6.13 | 3.45 | 1.98 | 1.18 | 327 | 310 | | | |
| -9 | 1.26 | 2.07 | 3.51 | 6.09 | 10.4 | 16.7 | 24.3 | 31.5 | 35.3 | 34.3 | 29.0 | 21.3 | 14.1 | 8.61 | 5.06 | 2.95 | 1.75 | 1.07 | 249 | 231 | | | |
| -12 | 1.07 | 1.70 | 2.77 | 4.55 | 7.40 | 11.4 | 16.4 | 20.9 | 23.2 | 22.6 | 19.3 | 14.5 | 9.77 | 6.25 | 3.86 | 2.36 | 1.46 | 0.92 | 170 | 151 | | | |
| -15 | 0.88 | 1.35 | 2.09 | 3.24 | 4.98 | 7.32 | 10.1 | 12.5 | 13.7 | 13.4 | 11.7 | 9.02 | 6.39 | 4.28 | 2.79 | 1.80 | 1.17 | 0.77 | 108 | 83.8 | | | |
| -18 | 0.72 | 1.05 | 1.53 | 2.24 | 3.23 | 4.51 | 5.93 | 7.10 | 7.69 | 7.53 | 6.69 | 5.40 | 4.03 | 2.84 | 1.96 | 1.34 | 0.91 | 0.63 | 65.3 | 34.3 | | | |
| -21 | 0.58 | 0.80 | 1.11 | 1.54 | 2.11 | 2.78 | 3.47 | 4.01 | 4.30 | 4.23 | 3.82 | 3.21 | 2.52 | 1.88 | 1.36 | 0.98 | 0.71 | 0.52 | 39.9 | 0.00 | | | |
| -24 | 0.46 | 0.61 | 0.81 | 1.07 | 1.39 | 1.74 | 2.08 | 2.34 | 2.47 | 2.44 | 2.25 | 1.95 | 1.60 | 1.25 | 0.95 | 0.72 | 0.55 | 0.42 | 25.1 | 0.00 | | | |
| -27 | 0.37 | 0.47 | 0.60 | 0.75 | 0.93 | 1.12 | 1.30 | 1.42 | 1.48 | 1.47 | 1.37 | 1.22 | 1.03 | 0.85 | 0.68 | 0.54 | 0.43 | 0.34 | 16.4 | 0.00 | | | |
| | -27 | -24 | -21 | -18 | -15 | -12 | -9 | -6 | HORIZONTAL(DEG) | 6 | 9 | 12 | 15 | 18 | 21 | 24 | 27 | | | | | | |
| F t | 16.5 | 26.2 | 42.9 | 71.9 | 120 | 188 | 270 | 344 | 384 | 373 | 316 | 236 | 159 | 98.8 | 59.5 | 36.0 | 22.2 | 14.2 | 2778 | --- | | | |
| F a | 0.00 | 0.00 | 3.76 | 43.3 | 98.2 | 169 | 252 | 327 | 367 | 357 | 299 | 218 | 137 | 74.1 | 24.7 | 0.00 | 0.00 | 0.00 | --- | 2371 | | | |

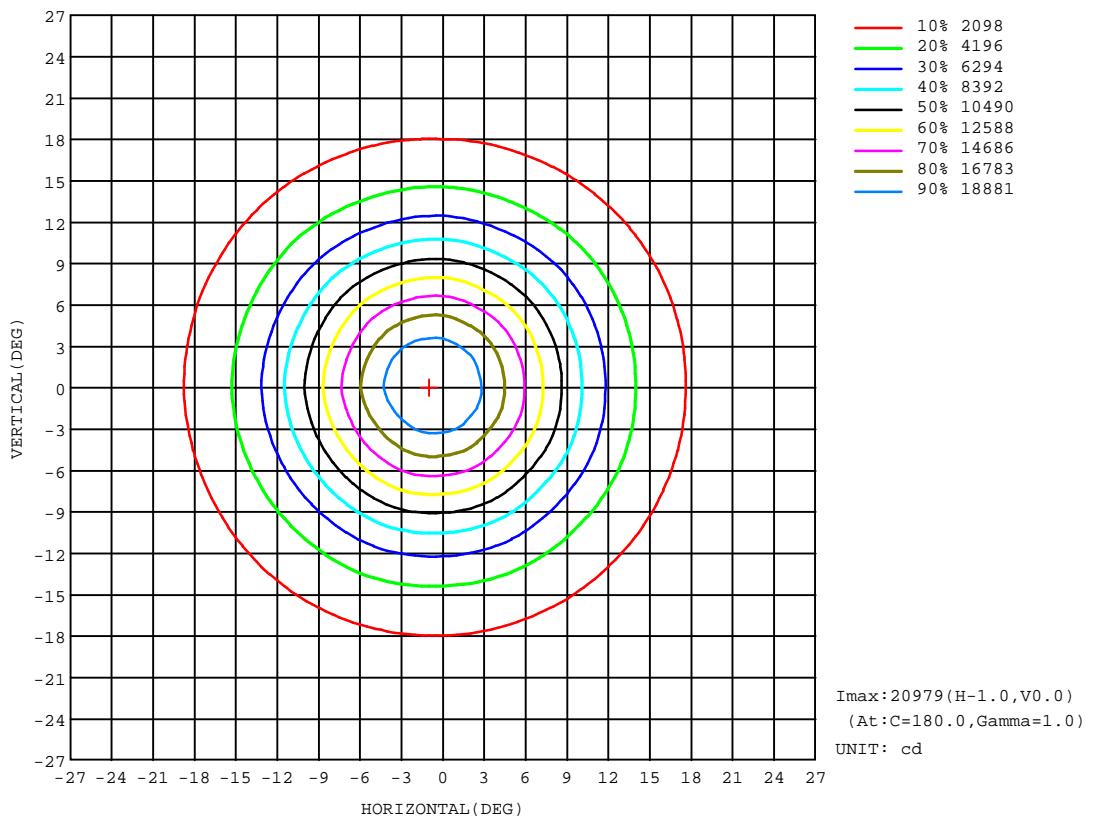
one-half-peak spread: U:9.2,D:9.4 , L:9.1,R:9.7

NEMA Beam Type: Type 3

| | |
|------------------------|---|
| H(b) Range:-90 - 90DEG | V(B) Range:-180 - 180DEG |
| H(b) Interval: 0.5DEG | V(B) Interval: 0.5DEG |
| Test Speed: HIGH | Test System: EVERFINE GO-2000H_V1 SYSTEM V2.0.290 |
| Temperature:30DEG | Humidity:65.0% |
| Operators:Matthew | Test Distance:11.510m [K=1.0000] |
| Test Date:2018-07-18 | Remarks: |

ISOCANDELA DIAGRAM

| | | |
|---|-------|-------------------|
| Test:U:220.6V I:0.3546A P:75.29W PF:0.9624 Lamp Flux:3032.64x1 lm | | |
| NAME: L0229-80W-12-RGBW(W=4000K)-BCQ15D+5D-XML-ALL TYPE:PROJECTOR | | WEIGHT: |
| SPEC.: | DIM.: | SERIAL NO.: |
| MFR.: 广东亮美集照明科技有限公司 | SUR.: | PROTECTION ANGLE: |

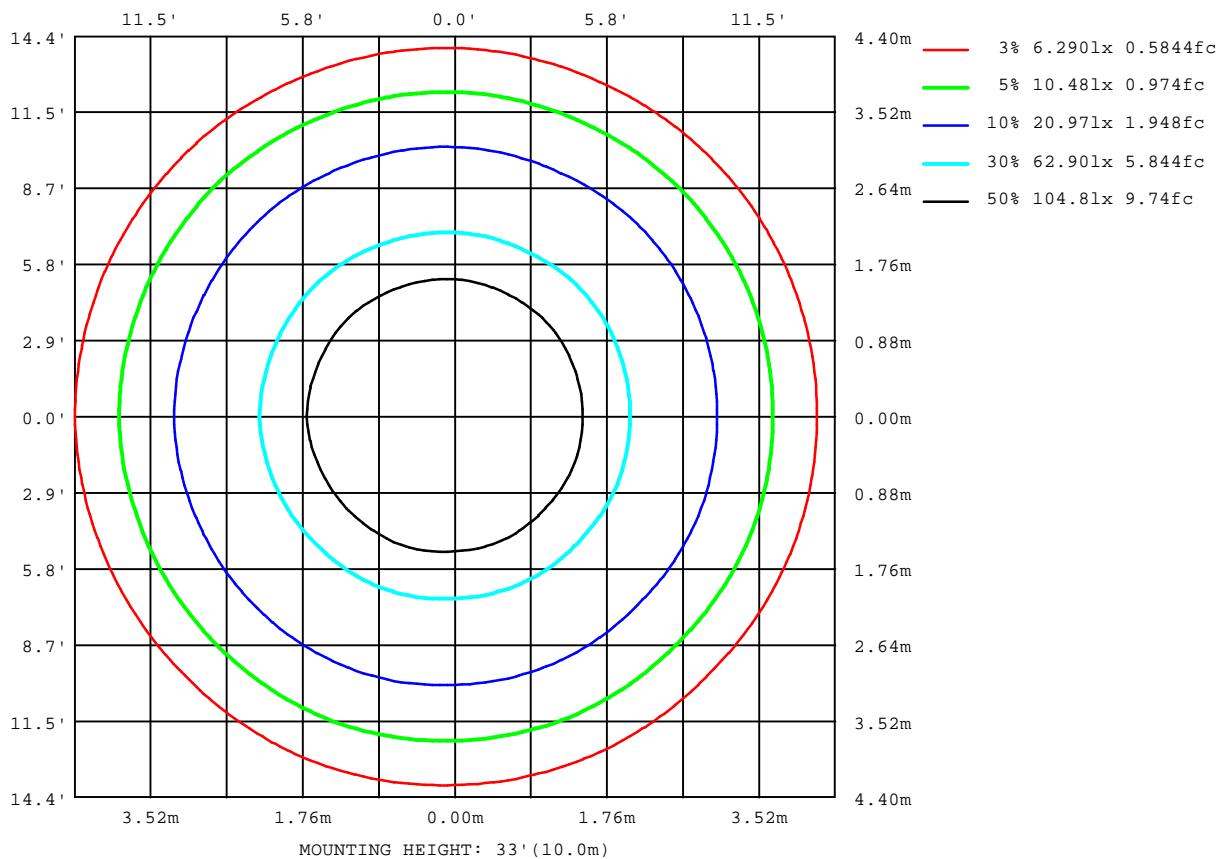


H(b) Range:-90 - 90DEG
H(b) Interval: 0.5DEG
Test Speed: HIGH
Temperature:30DEG
Operators:Matthew
Test Date:2018-07-18

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.290
Humidity:65.0%
Test Distance:11.510m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

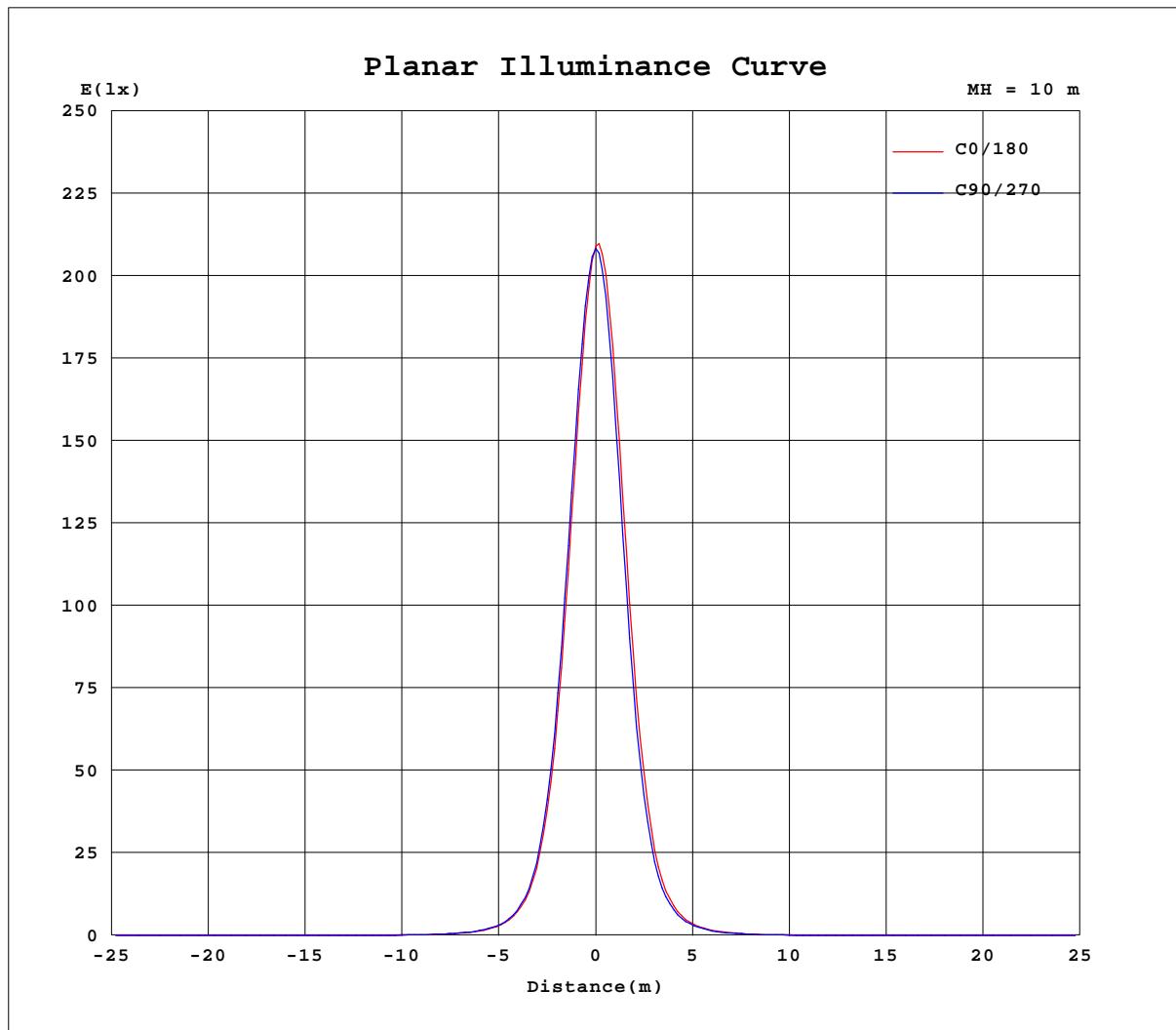
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| Test:U:220.6V I:0.3546A P:75.29W PF:0.9624 Lamp Flux:3032.64x1 lm | | |
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| SPEC.: | DIM.: | SERIAL NO.: |
| MFR.: 广东亮美集照明科技有限公司 | SUR.: | PROTECTION ANGLE: |



H(b) Range:-90 - 90DEG
 H(b) Interval: 0.5DEG
 Test Speed: HIGH
 Temperature:30DEG
 Operators:Matthew
 Test Date:2018-07-18

V(B) Range:-180 - 180DEG
 V(B) Interval: 0.5DEG
 Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.290
 Humidity:65.0%
 Test Distance:11.510m [K=1.0000]
 Remarks:

Planar Illuminance Curve



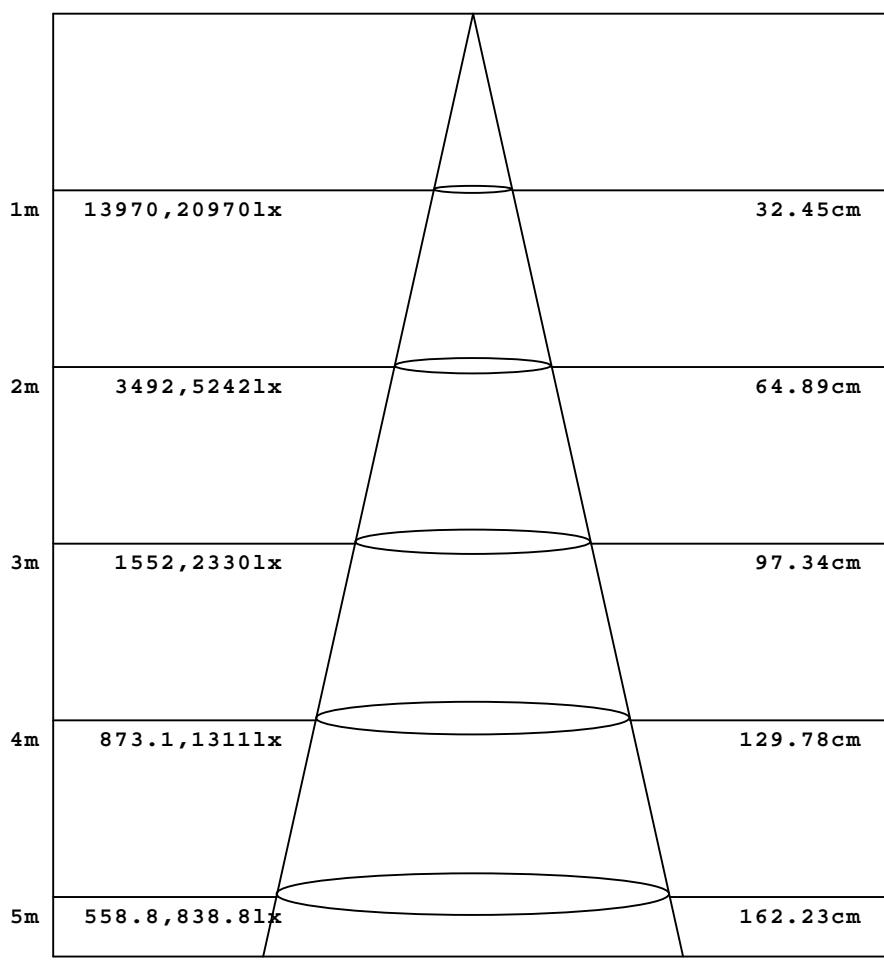
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H(b) Interval: 0.5DEG
Test Speed: HIGH
Temperature:30DEG
Operators:Matthew
Test Date:2018-07-18

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AAI Figure

| | | |
|---|-------|-------------------|
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| SPEC.: | DIM.: | SERIAL NO.: |
| MFR.: 广东亮美集照明科技有限公司 | SUR.: | PROTECTION ANGLE: |

Flux out:1365 lm



Height Eavg , Emax Angle: 18.43deg Diameter

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

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