

HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

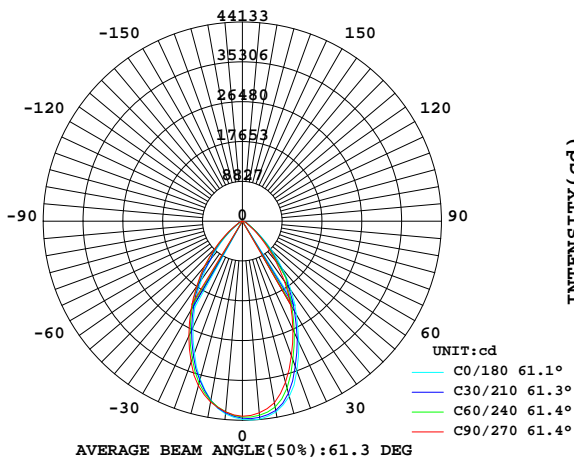
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

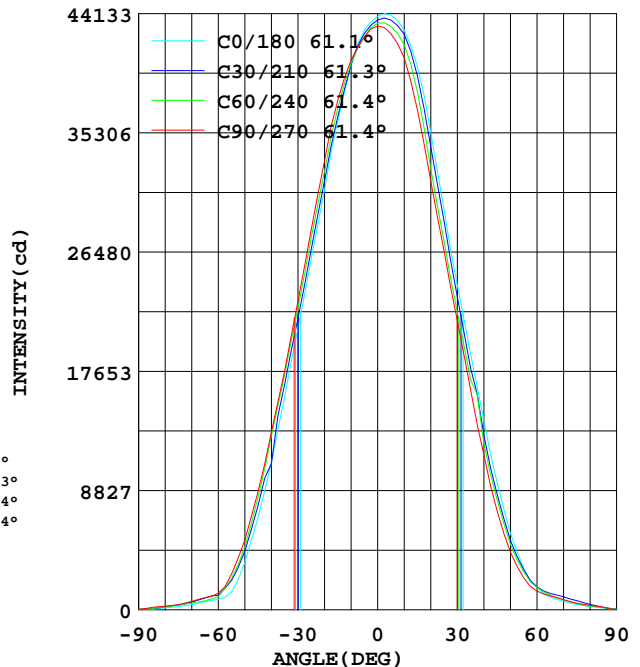
| | | | |
|---------------------------------|------------|-------------|--|
| MANUFACTURER: | Address: | | |
| NAME: LSHM-300W-LV (50K)PLUS 60 | TYPE: | WEIGHT: | |
| SPECIFICATION:5000K 60 | DIMENSION: | SERIAL No.: | |

| | | | | | |
|------------------|---------|--------------------|---------|------------------|-------|
| DATA OF LAMP | | Imax(cd) | 44133 | S/MH(C0/180) | 0.85 |
| MODEL | 5050 | EFFICIENCY(%) | 100.0 | S/MH(C90/270) | 0.92 |
| NOMINAL POWER(W) | 300 | TOTAL FLUX(lm) | 47829 | Voltage(V) | 219.8 |
| RATED VOLTAGE(V) | 220 | EFFICIENCY(lm/W) | 160.1 | Current(A) | 1.359 |
| NOMINAL FLUX(lm) | 47829.0 | η up(%) | 0.0 | Power(W) | 298.7 |
| LAMPS QUANTITY | 1 | η down(%) | 100.0 | Power Factor(PF) | 0.987 |
| TEST VOLTAGE(V) | 219.8 | Effective Flux(lm) | 44261.9 | EI | 0.092 |

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:03-21-2020

Test Set: 8.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:6.000 m
 Remarks:

Color Temperature Data List

Report number:

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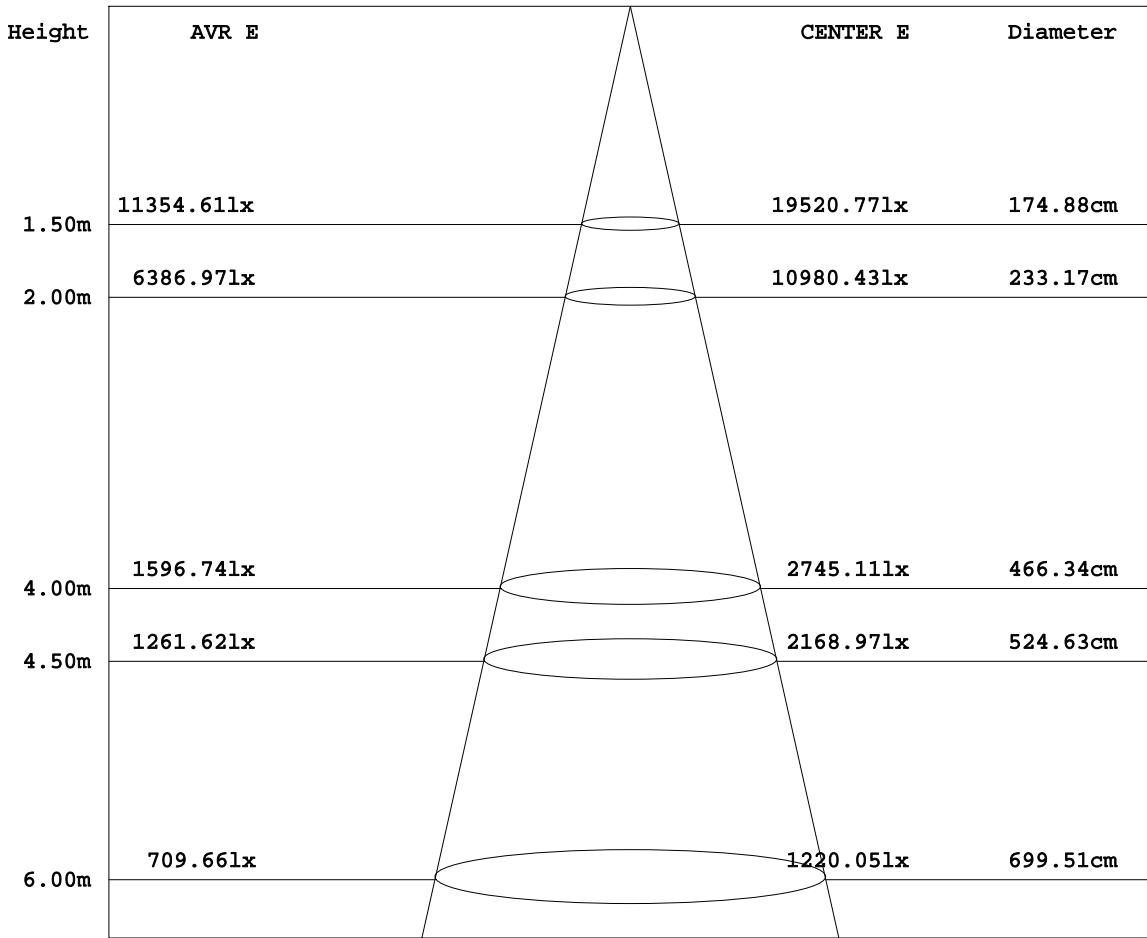
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AVERAGE AND CENTER E Figure

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Angle:60.5deg

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ZONAL FLUX DIAGRAM

Report number:

| | | |
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| SPECIFICATION:5000K 60 | DIMENSION: | SERIAL No.: |

| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ | zone | total |
|-------|--------------------------|-------|-------|-------|-------|-------|-------|-------|---------|-------|-------|
| 5.0 | 4290 | 4257 | 4242 | 4269 | 4403 | 4344 | 4264 | 4204 | 0- 5 | 1028 | 1028 |
| 10.0 | 4034 | 4041 | 4069 | 4133 | 4292 | 4221 | 4085 | 3995 | 5- 10 | 2995 | 4023 |
| 15.0 | 3619 | 3675 | 3773 | 3848 | 4021 | 3903 | 3697 | 3608 | 10- 15 | 4665 | 8688 |
| 20.0 | 3112 | 3216 | 3324 | 3370 | 3531 | 3350 | 3172 | 3081 | 15- 20 | 5788 | 14476 |
| 25.0 | 2600 | 2713 | 2816 | 2823 | 2962 | 2780 | 2657 | 2558 | 20- 25 | 6274 | 20750 |
| 30.0 | 2083 | 2197 | 2286 | 2288 | 2403 | 2259 | 2139 | 2068 | 25- 30 | 6232 | 26982 |
| 35.0 | 1578 | 1724 | 1771 | 1812 | 1891 | 1739 | 1627 | 1577 | 30- 35 | 5759 | 32741 |
| 40.0 | 1089 | 1244 | 1319 | 1330 | 1400 | 1246 | 1147 | 1089 | 35- 40 | 4921 | 37662 |
| 45.0 | 686.1 | 822.1 | 877.9 | 915.8 | 941.5 | 827.6 | 731.4 | 706.0 | 40- 45 | 3741 | 41403 |
| 50.0 | 351.8 | 466.4 | 517.7 | 554.0 | 567.0 | 498.1 | 426.8 | 383.0 | 45- 50 | 2557 | 43960 |
| 55.0 | 132.4 | 223.8 | 265.8 | 289.6 | 306.2 | 284.9 | 236.0 | 184.1 | 50- 55 | 1526 | 45485 |
| 60.0 | 78.97 | 117.5 | 123.6 | 138.1 | 172.6 | 172.8 | 139.0 | 106.9 | 55- 60 | 834.8 | 46320 |
| 65.0 | 59.81 | 76.37 | 90.54 | 87.28 | 95.66 | 112.9 | 103.4 | 79.62 | 60- 65 | 518.6 | 46839 |
| 70.0 | 39.06 | 55.85 | 63.26 | 70.62 | 64.45 | 91.12 | 75.32 | 56.06 | 65- 70 | 385.3 | 47224 |
| 75.0 | 24.33 | 37.81 | 38.72 | 52.08 | 40.11 | 61.54 | 49.11 | 38.45 | 70- 75 | 277.0 | 47501 |
| 80.0 | 14.72 | 22.89 | 27.48 | 32.17 | 24.95 | 37.01 | 32.95 | 24.28 | 75- 80 | 180.5 | 47682 |
| 85.0 | 5.782 | 10.29 | 18.41 | 17.28 | 13.18 | 19.07 | 20.69 | 8.481 | 80- 85 | 103.9 | 47786 |
| 90.0 | 2.295 | 3.007 | 5.063 | 5.177 | 4.416 | 5.710 | 1.732 | 2.048 | 85- 90 | 43.19 | 47829 |
| 95.0 | | | | | | | | | 90- 95 | | |
| 100.0 | | | | | | | | | 95-100 | | |
| 105.0 | | | | | | | | | 100-105 | | |
| 110.0 | | | | | | | | | 105-110 | | |
| 115.0 | | | | | | | | | 110-115 | | |
| 120.0 | | | | | | | | | 115-120 | | |
| 125.0 | | | | | | | | | 120-125 | | |
| 130.0 | | | | | | | | | 125-130 | | |
| 135.0 | | | | | | | | | 130-135 | | |
| 140.0 | | | | | | | | | 135-140 | | |
| 145.0 | | | | | | | | | 140-145 | | |
| 150.0 | | | | | | | | | 145-150 | | |
| 155.0 | | | | | | | | | 150-155 | | |
| 160.0 | | | | | | | | | 155-160 | | |
| 165.0 | | | | | | | | | 160-165 | | |
| 170.0 | | | | | | | | | 165-170 | | |
| 175.0 | | | | | | | | | 170-175 | | |
| 180.0 | | | | | | | | | 175-180 | | |
| DEG | LUMINOUS INTENSITY:×10cd | | | | | | | | UNIT:lm | | |

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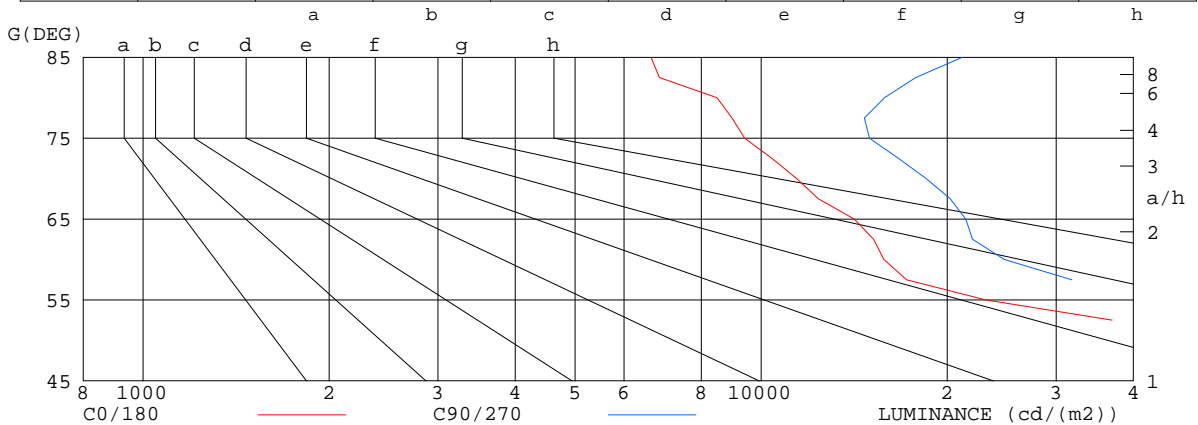
LUMINANCE LIMITATION CURVES

Report number:

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LUMINANCE LIMITATION CURVES

| GLARE | CLASS | ILLUMINANCE (lx) | | | | | | | |
|-------|-------|------------------|------|------|-------|-------|-------|-------|-------|
| 1.15 | A | 2000 | 1000 | 500 | <=300 | | | | |
| 1.50 | B | | 2000 | 1000 | 500 | <=300 | | | |
| 1.85 | C | | | 2000 | 1000 | 500 | <=300 | | |
| 2.20 | D | | | | 2000 | 1000 | 500 | <=300 | |
| 2.55 | E | | | | | 2000 | 1000 | 500 | <=300 |



| LUMINANCE cd/(m2) | | |
|-------------------|--------|---------|
| G(DEG) | C0/180 | C90/270 |
| 85 | 6635 | 21128 |
| 80 | 8482 | 15827 |
| 75 | 9402 | 14964 |
| 70 | 11421 | 18497 |
| 65 | 14154 | 21426 |
| 60 | 15794 | 24732 |
| 55 | 23092 | 46353 |
| 50 | 54735 | 80550 |
| 45 | 97037 | 124157 |

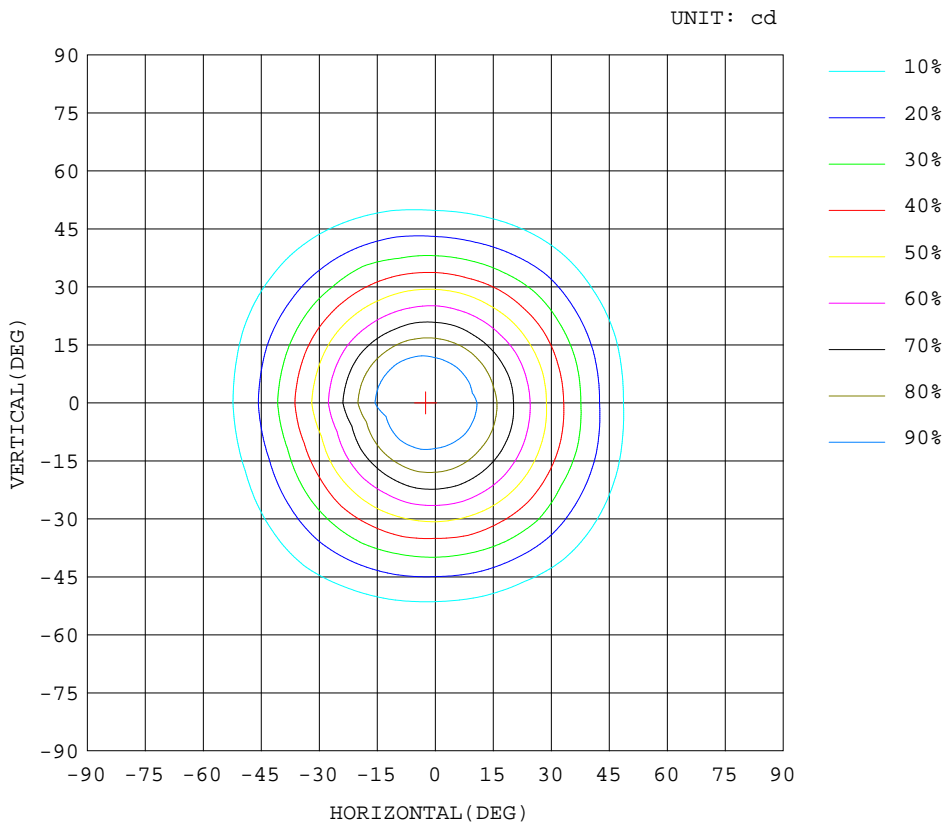
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ISOCANDELA DIAGRAM

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