

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: PORTFOLIO

Report Number: P799911

Luminaire Tested: **LD6C60D010 EU6609030 6LBMDSWH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799911
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2309-186-5)
Test Lab: INNOVATION CENTER
Issue Date: 4/12/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C60D010 EU6609030 6LBMDSWH
Description: 6 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

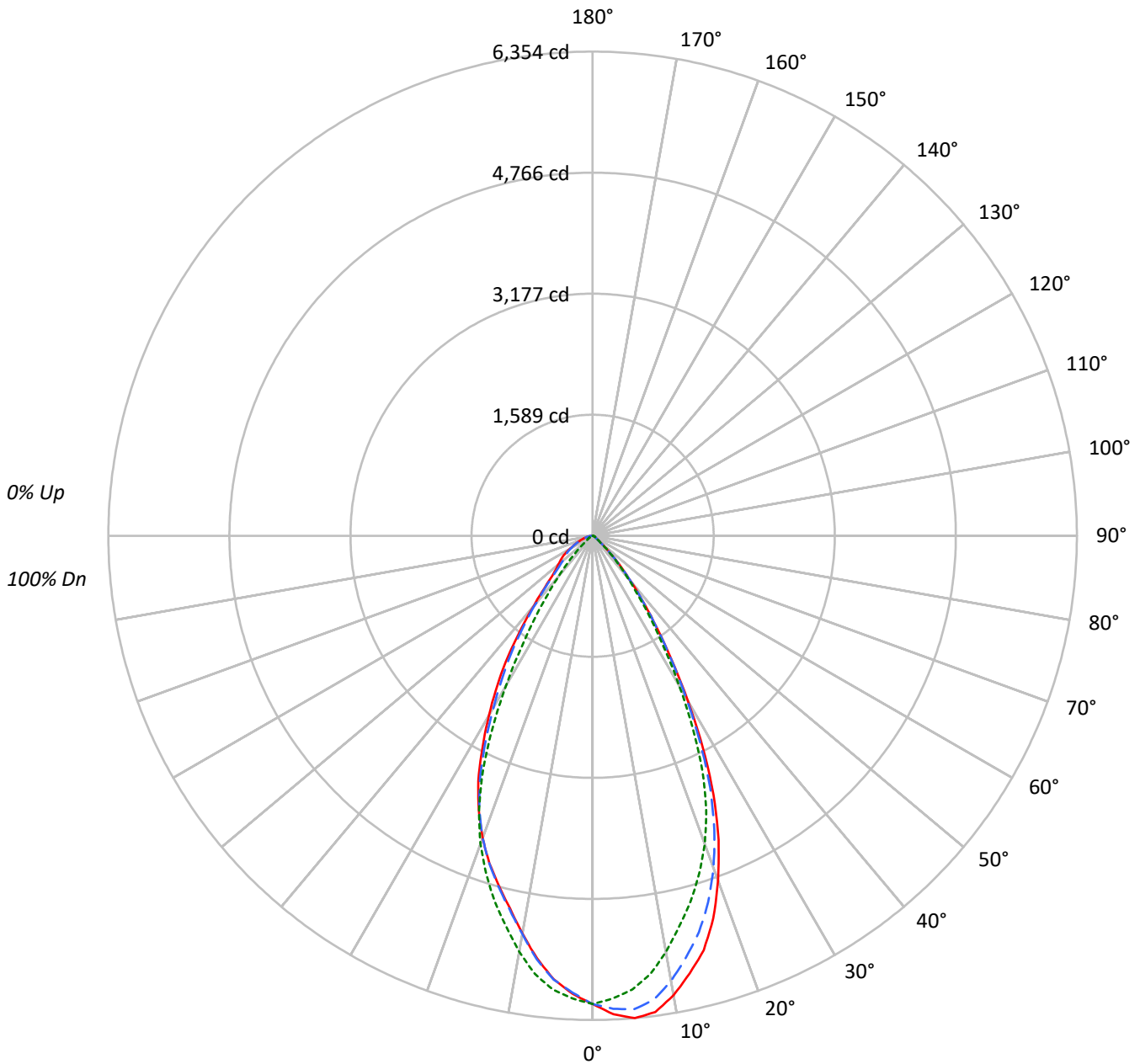
Lumens per Lamp: N/A
Luminaire Lumens: 5290.1 lumens
Efficiency: N/A
Efficacy: 73.5 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 72
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

TEST NUMBER: P799911

CATALOG NUMBER: LD6C60D010 EU6609030 6LBMDSWH

Luminous Intensity Polar Plot





TEST NUMBER: P799911

CATALOG NUMBER: LD6C60D010 EU6609030 6LBMDSWH

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|-----|
| RF | 20 | | | | 20 | | | | 20 | | | | 20 | | | | 20 | | | | |
| RC | 80 | | | | 70 | | | | 50 | | | | 30 | | | | 10 | | | 0 | |
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |
| RCR | | | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | | | 100 |
| 1 | 113 | 110 | 107 | 105 | 110 | 108 | 105 | 103 | 104 | 102 | 100 | 100 | 98 | 97 | 97 | 95 | 94 | 92 | | | 92 |
| 2 | 107 | 102 | 97 | 94 | 105 | 100 | 96 | 93 | 97 | 93 | 91 | 94 | 91 | 89 | 91 | 89 | 87 | 85 | | | 85 |
| 3 | 101 | 94 | 89 | 85 | 99 | 93 | 88 | 84 | 90 | 86 | 83 | 88 | 84 | 81 | 85 | 83 | 80 | 78 | | | 78 |
| 4 | 96 | 88 | 82 | 77 | 94 | 87 | 81 | 77 | 84 | 80 | 76 | 82 | 78 | 75 | 80 | 77 | 74 | 73 | | | 73 |
| 5 | 91 | 82 | 76 | 71 | 89 | 81 | 75 | 71 | 79 | 74 | 70 | 77 | 73 | 70 | 76 | 72 | 69 | 67 | | | 67 |
| 6 | 86 | 77 | 70 | 66 | 84 | 76 | 70 | 66 | 74 | 69 | 65 | 73 | 68 | 65 | 71 | 67 | 64 | 63 | | | 63 |
| 7 | 82 | 72 | 66 | 61 | 80 | 71 | 65 | 61 | 70 | 65 | 61 | 69 | 64 | 60 | 68 | 63 | 60 | 59 | | | 59 |
| 8 | 78 | 68 | 61 | 57 | 76 | 67 | 61 | 57 | 66 | 61 | 57 | 65 | 60 | 57 | 64 | 60 | 56 | 55 | | | 55 |
| 9 | 74 | 64 | 58 | 54 | 73 | 63 | 57 | 54 | 62 | 57 | 53 | 61 | 57 | 53 | 61 | 56 | 53 | 52 | | | 52 |
| 10 | 70 | 60 | 54 | 50 | 69 | 60 | 54 | 50 | 59 | 54 | 50 | 58 | 53 | 50 | 58 | 53 | 50 | 49 | | | 49 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|--------|--------|--------|
| 0° | 336832 | 336832 | 336832 |
| 5° | 349641 | 328928 | 321488 |
| 10° | 340697 | 308534 | 294957 |
| 15° | 319525 | 281920 | 269735 |
| 20° | 280509 | 250972 | 246182 |
| 25° | 226870 | 206189 | 214688 |
| 30° | 157720 | 143630 | 171818 |
| 35° | 97212 | 87984 | 129670 |
| 40° | 55010 | 49321 | 86118 |
| 45° | 26716 | 25483 | 58774 |
| 50° | 10175 | 10175 | 49960 |
| 55° | 5572 | 6585 | 46106 |
| 60° | 4068 | 5230 | 37782 |
| 65° | 3437 | 4475 | 30950 |
| 70° | 2981 | 3831 | 25485 |
| 75° | 2817 | 3940 | 21901 |
| 80° | 1673 | 3346 | 15911 |
| 85° | 1698 | 6667 | 15033 |



TEST NUMBER: P799911

CATALOG NUMBER: LD6C60D010 EU6609030 6LBMDSWH

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 562.5 | 10.6 |
| 10°-20° | 1413.7 | 26.7 |
| 20°-30° | 1591.5 | 30.1 |
| 30°-40° | 985.5 | 18.6 |
| 40°-50° | 392.4 | 7.4 |
| 50°-60° | 178.7 | 3.4 |
| 60°-70° | 102.7 | 1.9 |
| 70°-80° | 48.8 | 0.9 |
| 80°-90° | 14.3 | 0.3 |
| 90°-100° | 0.0 | 0.0 |
| 100°-110° | 0.0 | 0.0 |
| 110°-120° | 0.0 | 0.0 |
| 120°-130° | 0.0 | 0.0 |
| 130°-140° | 0.0 | 0.0 |
| 140°-150° | 0.0 | 0.0 |
| 150°-160° | 0.0 | 0.0 |
| 160°-170° | 0.0 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-30° | 3567.7 | 67.4 |
| 0°-40° | 4553.2 | 86.1 |
| 0°-60° | 5124.3 | 96.9 |
| 0°-90° | 5290.1 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 5290.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 6144 | 6144 | 6144 | 6144 | 6144 | |
| 5° | 6354 | 6237 | 5977 | 5847 | 5842 | 598 |
| 15° | 5630 | 5386 | 4967 | 4766 | 4753 | 1558 |
| 25° | 3751 | 3650 | 3409 | 3494 | 3549 | 1686 |
| 35° | 1453 | 1445 | 1315 | 1832 | 1938 | 934 |
| 45° | 345 | 345 | 329 | 716 | 758 | 292 |
| 55° | 58 | 56 | 69 | 424 | 482 | 58 |
| 65° | 26 | 24 | 34 | 236 | 239 | 26 |
| 75° | 13 | 13 | 19 | 101 | 103 | 14 |
| 85° | 3 | 3 | 11 | 24 | 24 | 2 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P799911

CATALOG NUMBER: LD6C60D010 EU6609030 6LBMDSWH

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 6144.3 | 6144.3 | 6144.3 | 6144.3 | 6144.3 | 6144.3 | 6144.3 | 6144.3 | 6144.3 |
| 2.5° | 6284.8 | 6226.4 | 6213.2 | 6162.8 | 6078.0 | 6030.3 | 6001.1 | 5979.9 | 6017.0 |
| 5° | 6353.7 | 6290.1 | 6237.0 | 6133.7 | 5977.3 | 5889.8 | 5847.4 | 5812.9 | 5842.1 |
| 7.5° | 6303.3 | 6213.2 | 6141.6 | 5998.5 | 5799.7 | 5664.5 | 5606.2 | 5566.4 | 5592.9 |
| 10° | 6120.4 | 6011.7 | 5929.6 | 5759.9 | 5542.6 | 5380.9 | 5309.3 | 5272.2 | 5298.7 |
| 12.5° | 5881.9 | 5791.7 | 5667.1 | 5481.6 | 5248.3 | 5078.7 | 5025.7 | 4996.5 | 5007.1 |
| 15° | 5630.0 | 5524.0 | 5386.2 | 5200.6 | 4967.4 | 4797.7 | 4765.9 | 4747.4 | 4752.7 |
| 17.5° | 5264.2 | 5160.9 | 5041.6 | 4861.3 | 4646.6 | 4508.8 | 4508.8 | 4495.5 | 4503.5 |
| 20° | 4808.3 | 4752.7 | 4636.0 | 4484.9 | 4302.0 | 4177.5 | 4217.2 | 4204.0 | 4219.9 |
| 22.5° | 4315.3 | 4272.9 | 4172.2 | 4047.6 | 3893.8 | 3795.8 | 3883.2 | 3880.6 | 3901.8 |
| 25° | 3750.7 | 3718.9 | 3650.0 | 3544.0 | 3408.8 | 3347.8 | 3493.6 | 3493.6 | 3549.3 |
| 27.5° | 3127.8 | 3096.0 | 3048.3 | 2958.2 | 2846.8 | 2828.3 | 3043.0 | 3069.5 | 3130.4 |
| 30° | 2491.6 | 2470.4 | 2443.9 | 2361.8 | 2269.0 | 2303.4 | 2600.3 | 2645.4 | 2714.3 |
| 32.5° | 1924.4 | 1911.1 | 1903.2 | 1829.0 | 1746.8 | 1860.8 | 2200.1 | 2258.4 | 2327.3 |
| 35° | 1452.6 | 1423.4 | 1444.6 | 1389.0 | 1314.7 | 1457.9 | 1831.6 | 1882.0 | 1937.6 |
| 37.5° | 1070.9 | 1049.7 | 1068.2 | 1028.5 | 962.2 | 1118.6 | 1471.1 | 1502.9 | 1540.0 |
| 40° | 768.7 | 750.1 | 766.0 | 742.2 | 689.2 | 835.0 | 1153.0 | 1187.5 | 1203.4 |
| 42.5° | 546.0 | 514.2 | 530.1 | 511.6 | 485.1 | 628.2 | 906.5 | 938.3 | 943.6 |
| 45° | 344.6 | 334.0 | 344.6 | 334.0 | 328.7 | 466.5 | 715.7 | 744.8 | 758.1 |
| 47.5° | 209.4 | 196.2 | 196.2 | 190.8 | 196.2 | 344.6 | 591.1 | 633.5 | 654.7 |
| 50° | 119.3 | 114.0 | 111.3 | 108.7 | 119.3 | 270.4 | 511.6 | 559.3 | 585.8 |
| 52.5° | 79.5 | 76.9 | 76.9 | 74.2 | 87.5 | 228.0 | 461.2 | 503.6 | 530.1 |
| 55° | 58.3 | 55.7 | 55.7 | 55.7 | 68.9 | 196.2 | 424.1 | 458.6 | 482.4 |
| 57.5° | 45.1 | 45.1 | 45.1 | 42.4 | 58.3 | 167.0 | 379.0 | 397.6 | 416.2 |
| 60° | 37.1 | 34.5 | 34.5 | 34.5 | 47.7 | 143.1 | 326.0 | 334.0 | 344.6 |
| 62.5° | 29.2 | 29.2 | 29.2 | 29.2 | 39.8 | 127.2 | 281.0 | 281.0 | 286.3 |
| 65° | 26.5 | 23.9 | 23.9 | 23.9 | 34.5 | 111.3 | 235.9 | 233.3 | 238.6 |
| 67.5° | 21.2 | 21.2 | 21.2 | 21.2 | 29.2 | 95.4 | 193.5 | 190.8 | 196.2 |
| 70° | 18.6 | 18.6 | 18.6 | 18.6 | 23.9 | 79.5 | 156.4 | 153.7 | 159.0 |
| 72.5° | 15.9 | 15.9 | 15.9 | 15.9 | 21.2 | 66.3 | 124.6 | 124.6 | 127.2 |
| 75° | 13.3 | 13.3 | 13.3 | 13.3 | 18.6 | 50.4 | 100.7 | 100.7 | 103.4 |
| 77.5° | 10.6 | 10.6 | 10.6 | 10.6 | 13.3 | 39.8 | 76.9 | 74.2 | 74.2 |
| 80° | 5.3 | 8.0 | 8.0 | 8.0 | 10.6 | 29.2 | 55.7 | 50.4 | 50.4 |
| 82.5° | 2.7 | 5.3 | 5.3 | 5.3 | 10.6 | 21.2 | 37.1 | 34.5 | 34.5 |
| 85° | 2.7 | 2.7 | 2.7 | 8.0 | 10.6 | 15.9 | 23.9 | 23.9 | 23.9 |
| 87.5° | 0.0 | 2.7 | 5.3 | 10.6 | 13.3 | 13.3 | 15.9 | 13.3 | 13.3 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180° - - 45°-225° - - - - 90°-270°







(END OF REPORT)