

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P759215

Luminaire Tested: LD6D08D010-EU6DR300210IC9050-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P759215
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D08D010-EU6DR300210IC9050-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 655.2 lumens
Efficiency: N/A
Efficacy: 73.6 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

Input Watts (W): 8.9
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: 24 FT



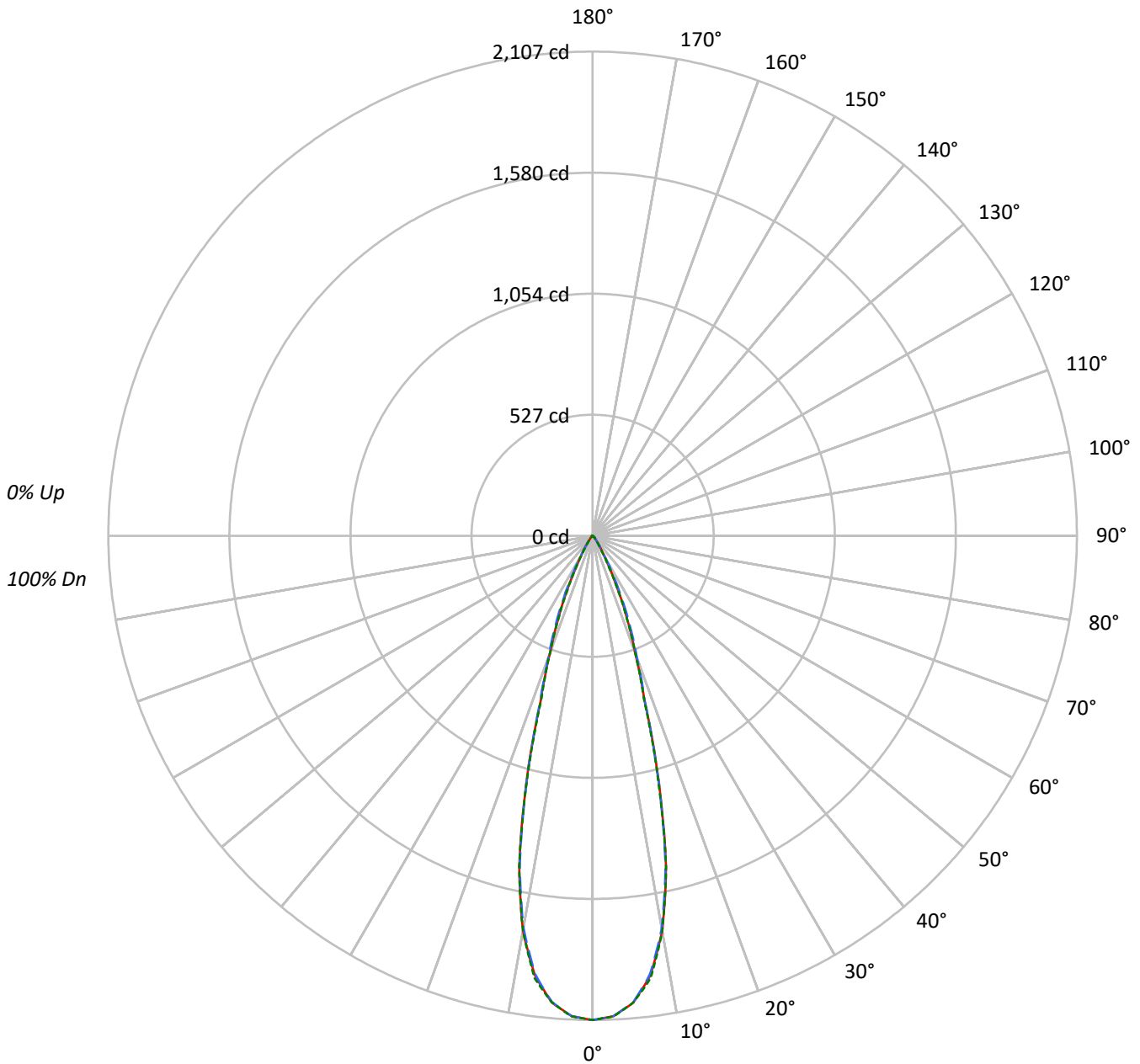
Downlight



TEST NUMBER: P759215

CATALOG NUMBER: LD6D08D010-EU6DR300210IC9050-6LBDP1B

Luminous Intensity Polar Plot





TEST NUMBER: P759215

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|---|--|--|--|--|--|--|----|--|--|--|--|--|--|--|--|---|
| RF | 20 | | | | | | | | | 20 | | | | | | | | | 20 | | | | | | | | | 20 | | | | | | | | | |
| RC | 80 | | | | | | | | | 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 | | | | | | | | | | | | | | | | | | | |
| 1 | 115 | 113 | 111 | 109 | 112 | 110 | 109 | 107 | 106 | 105 | 104 | 103 | 102 | 101 | 99 | 99 | 98 | 96 | | | | | | | | | | | | | | | | | | | |
| 2 | 111 | 107 | 104 | 101 | 109 | 105 | 102 | 100 | 102 | 100 | 98 | 99 | 97 | 96 | 97 | 95 | 94 | 92 | | | | | | | | | | | | | | | | | | | |
| 3 | 107 | 102 | 98 | 95 | 105 | 101 | 97 | 94 | 98 | 95 | 93 | 96 | 93 | 91 | 94 | 92 | 90 | 89 | | | | | | | | | | | | | | | | | | | |
| 4 | 103 | 98 | 93 | 90 | 102 | 96 | 93 | 90 | 94 | 91 | 89 | 93 | 90 | 88 | 91 | 89 | 87 | 85 | | | | | | | | | | | | | | | | | | | |
| 5 | 100 | 94 | 89 | 86 | 98 | 93 | 89 | 86 | 91 | 88 | 85 | 90 | 87 | 84 | 88 | 86 | 83 | 82 | | | | | | | | | | | | | | | | | | | |
| 6 | 97 | 90 | 85 | 82 | 95 | 89 | 85 | 82 | 88 | 84 | 81 | 87 | 83 | 81 | 85 | 83 | 80 | 79 | | | | | | | | | | | | | | | | | | | |
| 7 | 94 | 87 | 82 | 79 | 92 | 86 | 82 | 79 | 85 | 81 | 78 | 84 | 81 | 78 | 83 | 80 | 78 | 77 | | | | | | | | | | | | | | | | | | | |
| 8 | 91 | 84 | 79 | 76 | 90 | 83 | 79 | 76 | 82 | 78 | 76 | 81 | 78 | 75 | 80 | 77 | 75 | 74 | | | | | | | | | | | | | | | | | | | |
| 9 | 88 | 81 | 76 | 73 | 87 | 80 | 76 | 73 | 80 | 76 | 73 | 79 | 75 | 73 | 78 | 75 | 73 | 72 | | | | | | | | | | | | | | | | | | | |
| 10 | 85 | 78 | 74 | 71 | 85 | 78 | 74 | 71 | 77 | 73 | 71 | 76 | 73 | 71 | 76 | 73 | 70 | 69 | | | | | | | | | | | | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 161277 | 161277 | 161277 |
| 5° | 156645 | 156468 | 156653 |
| 10° | 135683 | 134719 | 135652 |
| 15° | 88523 | 88048 | 87612 |
| 20° | 44019 | 45672 | 43962 |
| 25° | 22170 | 24999 | 21722 |
| 30° | 8874 | 9669 | 7734 |
| 35° | 4121 | 3943 | 3308 |
| 40° | 1779 | 1978 | 1669 |
| 45° | 1256 | 1559 | 1267 |
| 50° | 429 | 1131 | 453 |
| 55° | 240 | 467 | 254 |
| 60° | 168 | 199 | 168 |
| 65° | 109 | 109 | 109 |
| 70° | 67 | 45 | 67 |
| 75° | 0 | 30 | 0 |
| 80° | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 1559 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 185.3 | 28.3 |
| 10°-20° | 298.4 | 45.5 |
| 20°-30° | 128.9 | 19.7 |
| 30°-40° | 29.4 | 4.5 |
| 40°-50° | 10.1 | 1.5 |
| 50°-60° | 2.4 | 0.4 |
| 60°-70° | 0.6 | 0.1 |
| 70°-80° | 0.1 | 0.0 |
| 80°-90° | 0.0 | 0.0 |
| 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° | 612.6 | 93.5 |
| 0°-40° | 642.0 | 98.0 |
| 0°-60° | 654.5 | 99.9 |
| 0°-90° | 655.2 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 655.2 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 2107 | 2107 | 2107 | 2107 | 2107 | |
| 5° | 2039 | 2037 | 2036 | 2041 | 2039 | 185 |
| 15° | 1117 | 1104 | 1111 | 1108 | 1106 | 299 |
| 25° | 262 | 272 | 296 | 266 | 257 | 126 |
| 35° | 44 | 45 | 42 | 42 | 35 | 30 |
| 45° | 12 | 14 | 14 | 14 | 12 | 8 |
| 55° | 2 | 2 | 4 | 2 | 2 | 2 |
| 65° | 1 | 1 | 1 | 1 | 1 | 1 |
| 75° | 0 | 0 | 0 | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | 0 |



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CATALOG NUMBER: LD6D08D010-EU6DR300210IC9050-6LBDP1B

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 2107.0 | 2107.0 | 2107.0 | 2107.0 | 2107.0 |
| 2.5° | 2093.0 | 2091.6 | 2092.4 | 2093.4 | 2093.8 |
| 5° | 2038.7 | 2036.8 | 2036.4 | 2040.6 | 2038.8 |
| 7.5° | 1929.2 | 1926.4 | 1922.1 | 1931.8 | 1940.8 |
| 10° | 1745.7 | 1742.6 | 1733.3 | 1737.9 | 1745.3 |
| 12.5° | 1474.7 | 1464.7 | 1464.5 | 1479.0 | 1477.0 |
| 15° | 1117.1 | 1103.7 | 1111.1 | 1107.5 | 1105.6 |
| 17.5° | 751.3 | 746.0 | 756.0 | 753.0 | 740.1 |
| 20° | 540.4 | 541.7 | 560.7 | 551.2 | 539.7 |
| 22.5° | 394.4 | 399.2 | 421.6 | 397.1 | 388.1 |
| 25° | 262.5 | 272.5 | 296.0 | 265.6 | 257.2 |
| 27.5° | 161.5 | 166.0 | 189.9 | 159.4 | 154.9 |
| 30° | 100.4 | 98.1 | 109.4 | 93.9 | 87.5 |
| 32.5° | 65.9 | 63.0 | 66.6 | 59.8 | 54.6 |
| 35° | 44.1 | 45.0 | 42.2 | 41.9 | 35.4 |
| 37.5° | 27.5 | 31.6 | 27.9 | 29.8 | 22.7 |
| 40° | 17.8 | 23.0 | 19.8 | 21.8 | 16.7 |
| 42.5° | 14.6 | 17.7 | 16.2 | 17.3 | 14.9 |
| 45° | 11.6 | 14.4 | 14.4 | 14.4 | 11.7 |
| 47.5° | 6.4 | 9.6 | 12.3 | 9.9 | 6.8 |
| 50° | 3.6 | 4.9 | 9.5 | 5.0 | 3.8 |
| 52.5° | 2.5 | 2.8 | 6.5 | 2.9 | 2.6 |
| 55° | 1.8 | 1.9 | 3.5 | 2.1 | 1.9 |
| 57.5° | 1.4 | 1.5 | 1.8 | 1.5 | 1.4 |
| 60° | 1.1 | 1.1 | 1.3 | 1.3 | 1.1 |
| 62.5° | 0.8 | 0.8 | 0.9 | 0.8 | 0.8 |
| 65° | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 67.5° | 0.3 | 0.4 | 0.4 | 0.4 | 0.4 |
| 70° | 0.3 | 0.2 | 0.2 | 0.2 | 0.3 |
| 72.5° | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 |
| 75° | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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Scaled Data Report





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

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