

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: P768783

Luminaire Tested: LD6D60D010-EU6DR3055659050-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P768783
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: LD6D60D010-EU6DR3055659050-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8232.7 lumens
Efficiency: N/A
Efficacy: 127.8 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

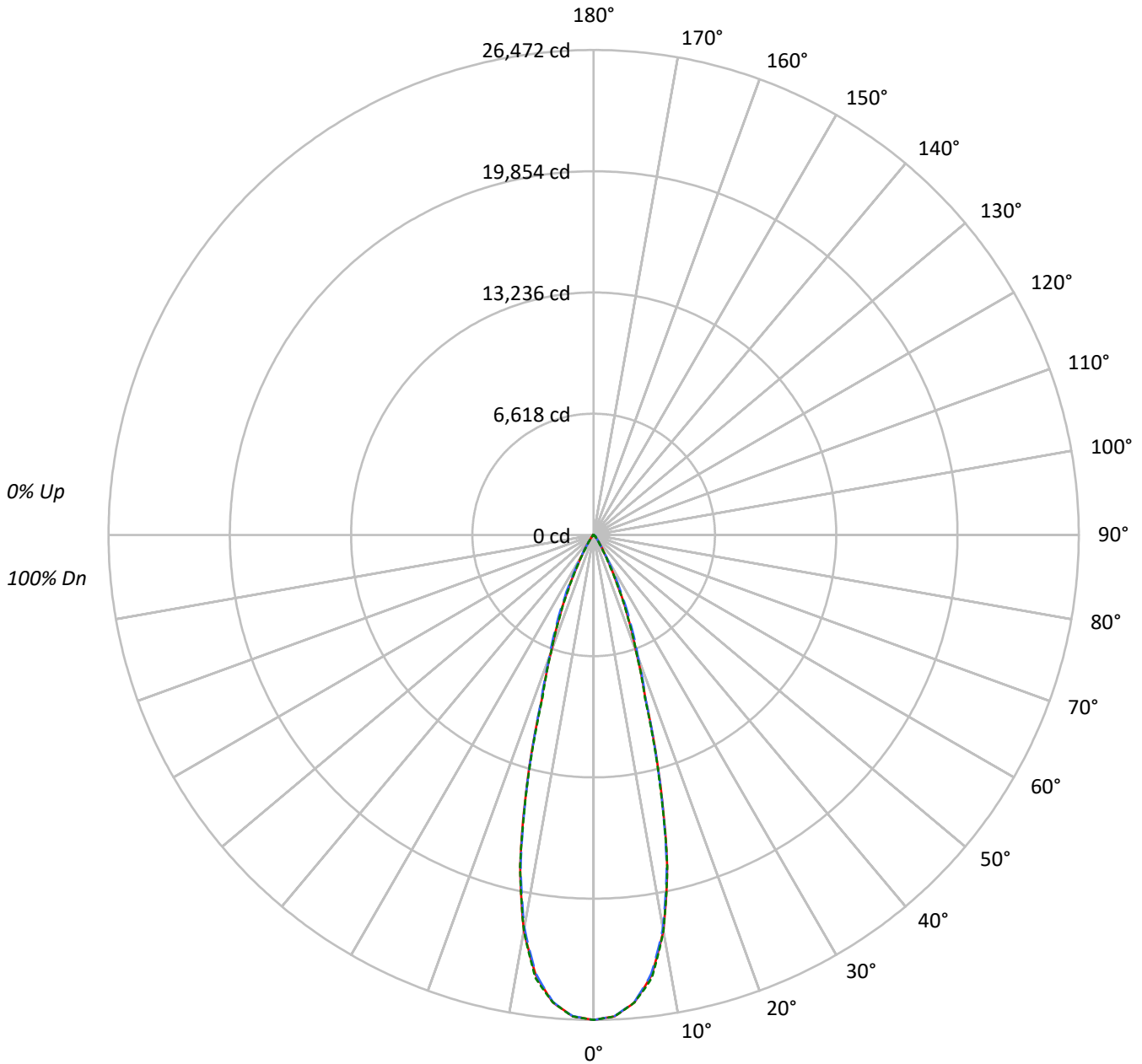
Input Watts (W): 64.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P768783
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Luminous Intensity Polar Plot





TEST NUMBER: P768783

CATALOG NUMBER: LD6D60D010-EU6DR3055659050-6LBS1LI

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 | 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 | 86 | 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° | 2026272 | 2026272 | 2026272 |
| 5° | 1968102 | 1965805 | 1968202 |
| 10° | 1704670 | 1692654 | 1704266 |
| 15° | 1112215 | 1106240 | 1100677 |
| 20° | 553052 | 573799 | 552311 |
| 25° | 278588 | 314152 | 272878 |
| 30° | 111541 | 121538 | 97179 |
| 35° | 51739 | 49552 | 41535 |
| 40° | 22332 | 24800 | 21043 |
| 45° | 15761 | 19561 | 15902 |
| 50° | 5418 | 14242 | 5728 |
| 55° | 3123 | 5898 | 3296 |
| 60° | 2189 | 2587 | 2189 |
| 65° | 1413 | 1413 | 1413 |
| 70° | 873 | 582 | 873 |
| 75° | 0 | 384 | 0 |
| 80° | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 19561 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 2327.8 | 28.3 |
| 10°-20° | 3749.0 | 45.5 |
| 20°-30° | 1620.0 | 19.7 |
| 30°-40° | 369.2 | 4.5 |
| 40°-50° | 126.8 | 1.5 |
| 50°-60° | 31.0 | 0.4 |
| 60°-70° | 8.0 | 0.1 |
| 70°-80° | 0.8 | 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° | 7696.8 | 93.5 |
| 0°-40° | 8066.1 | 98.0 |
| 0°-60° | 8223.9 | 99.9 |
| 0°-90° | 8232.7 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 8232.7 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-------|-------|-------|-------|-------|------|
| 0° | 26472 | 26472 | 26472 | 26472 | 26472 | |
| 5° | 25614 | 25590 | 25584 | 25638 | 25616 | 2330 |
| 15° | 14035 | 13866 | 13960 | 13914 | 13890 | 3758 |
| 25° | 3299 | 3423 | 3720 | 3336 | 3231 | 1579 |
| 35° | 554 | 565 | 530 | 526 | 444 | 376 |
| 45° | 146 | 181 | 181 | 181 | 147 | 103 |
| 55° | 23 | 25 | 44 | 26 | 25 | 23 |
| 65° | 8 | 8 | 8 | 8 | 8 | 8 |
| 75° | 0 | 0 | 1 | 0 | 0 | 1 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | 0 |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|---------|---------|---------|---------|---------|
| 0° | 26472.2 | 26472.2 | 26472.2 | 26472.2 | 26472.2 |
| 2.5° | 26296.7 | 26278.5 | 26288.9 | 26301.9 | 26307.1 |
| 5° | 25614.4 | 25589.7 | 25584.5 | 25637.8 | 25615.7 |
| 7.5° | 24238.0 | 24202.9 | 24149.6 | 24270.5 | 24383.6 |
| 10° | 21932.3 | 21893.4 | 21777.7 | 21834.9 | 21927.1 |
| 12.5° | 18528.4 | 18402.4 | 18399.8 | 18581.7 | 18557.0 |
| 15° | 14035.4 | 13866.4 | 13960.0 | 13914.5 | 13889.8 |
| 17.5° | 9438.4 | 9373.4 | 9498.2 | 9460.5 | 9298.0 |
| 20° | 6789.6 | 6806.5 | 7044.3 | 6924.8 | 6780.5 |
| 22.5° | 4954.4 | 5015.5 | 5297.6 | 4989.5 | 4876.5 |
| 25° | 3298.6 | 3423.4 | 3719.7 | 3336.3 | 3231.0 |
| 27.5° | 2028.8 | 2086.0 | 2386.2 | 2002.8 | 1945.6 |
| 30° | 1262.0 | 1233.4 | 1375.1 | 1180.1 | 1099.5 |
| 32.5° | 827.9 | 791.5 | 837.0 | 751.2 | 686.2 |
| 35° | 553.7 | 565.4 | 530.3 | 526.4 | 444.5 |
| 37.5° | 345.7 | 397.7 | 350.9 | 374.3 | 285.9 |
| 40° | 223.5 | 288.5 | 248.2 | 274.2 | 210.6 |
| 42.5° | 183.3 | 222.2 | 204.1 | 217.0 | 187.2 |
| 45° | 145.6 | 180.7 | 180.7 | 180.7 | 146.9 |
| 47.5° | 80.6 | 120.9 | 154.7 | 123.5 | 85.8 |
| 50° | 45.5 | 61.1 | 119.6 | 63.7 | 48.1 |
| 52.5° | 31.2 | 35.1 | 81.9 | 36.4 | 32.5 |
| 55° | 23.4 | 24.7 | 44.2 | 26.0 | 24.7 |
| 57.5° | 18.2 | 19.5 | 23.4 | 19.5 | 18.2 |
| 60° | 14.3 | 14.3 | 16.9 | 15.6 | 14.3 |
| 62.5° | 10.4 | 10.4 | 11.7 | 10.4 | 10.4 |
| 65° | 7.8 | 7.8 | 7.8 | 7.8 | 7.8 |
| 67.5° | 3.9 | 5.2 | 5.2 | 5.2 | 5.2 |
| 70° | 3.9 | 2.6 | 2.6 | 2.6 | 3.9 |
| 72.5° | 2.6 | 1.3 | 1.3 | 1.3 | 1.3 |
| 75° | 0.0 | 0.0 | 1.3 | 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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