

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



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: P757188

Luminaire Tested: LD6D02D010-EU6DR300210IC9050-6LBDP1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P757188
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: LD6D02D010-EU6DR300210IC9050-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-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: 379.5 lumens
Efficiency: N/A
Efficacy: 74.4 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): 5.1
Input Voltage (V): NR
Input Current (Ain): 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



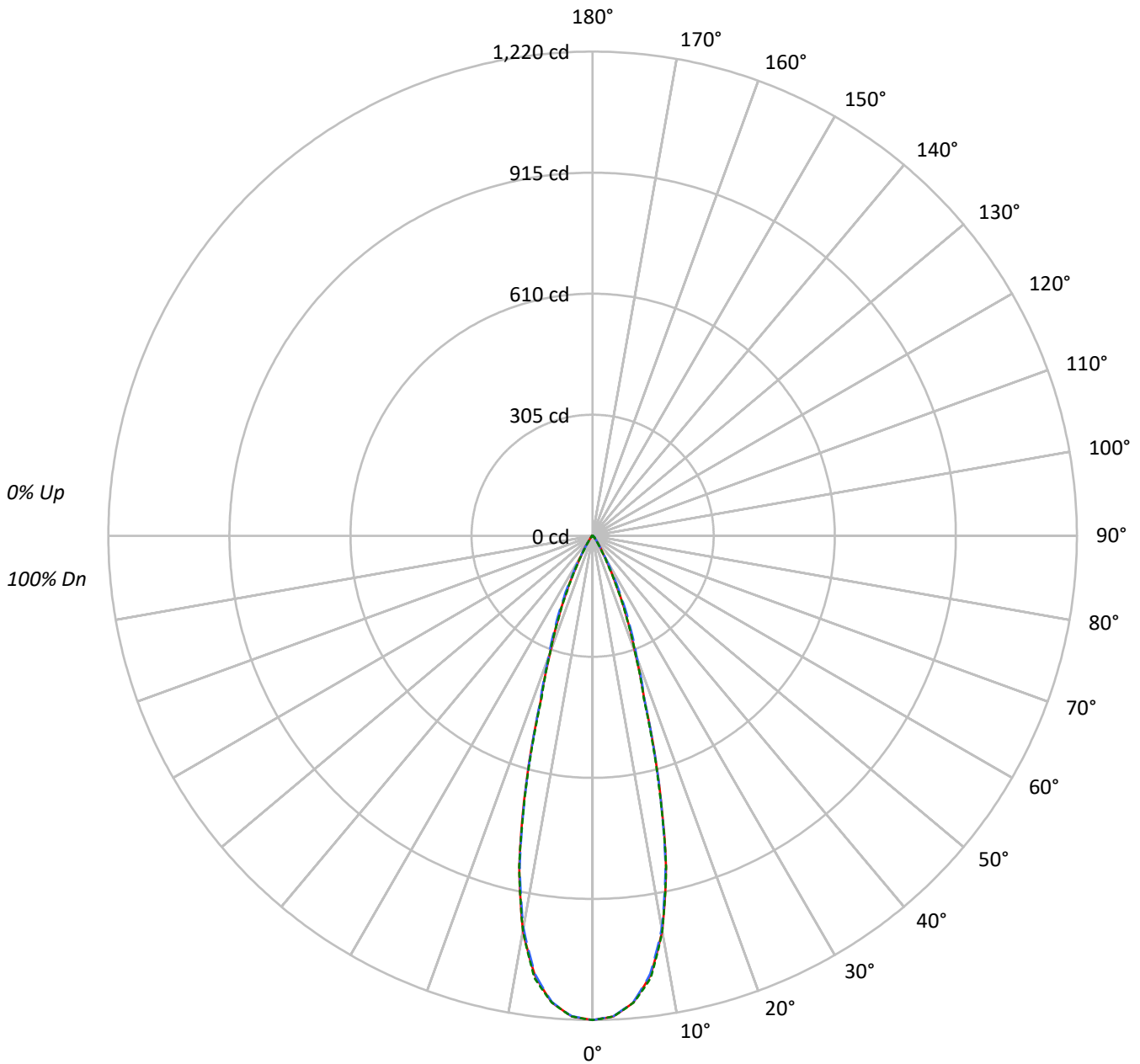
Downlight



TEST NUMBER: P757188

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Luminous Intensity Polar Plot





TEST NUMBER: P757188

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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 | 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° | 93398 | 93398 | 93398 |
| 5° | 90712 | 90605 | 90720 |
| 10° | 78571 | 78020 | 78548 |
| 15° | 51263 | 50985 | 50732 |
| 20° | 25488 | 26449 | 25455 |
| 25° | 12846 | 14476 | 12576 |
| 30° | 5144 | 5604 | 4481 |
| 35° | 2383 | 2289 | 1916 |
| 40° | 1029 | 1149 | 969 |
| 45° | 725 | 898 | 736 |
| 50° | 250 | 655 | 262 |
| 55° | 147 | 280 | 147 |
| 60° | 107 | 122 | 107 |
| 65° | 54 | 54 | 54 |
| 70° | 45 | 22 | 45 |
| 75° | 0 | 30 | 0 |
| 80° | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 898 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 107.3 | 28.3 |
| 10°-20° | 172.8 | 45.5 |
| 20°-30° | 74.7 | 19.7 |
| 30°-40° | 17.0 | 4.5 |
| 40°-50° | 5.8 | 1.5 |
| 50°-60° | 1.4 | 0.4 |
| 60°-70° | 0.3 | 0.1 |
| 70°-80° | 0.0 | 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° | 354.8 | 93.5 |
| 0°-40° | 371.8 | 98.0 |
| 0°-60° | 379.1 | 99.9 |
| 0°-90° | 379.5 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 379.5 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 1220 | 1220 | 1220 | 1220 | 1220 | |
| 5° | 1181 | 1180 | 1179 | 1182 | 1181 | 107 |
| 15° | 647 | 639 | 643 | 641 | 640 | 173 |
| 25° | 152 | 158 | 171 | 154 | 149 | 73 |
| 35° | 26 | 26 | 24 | 24 | 20 | 17 |
| 45° | 7 | 8 | 8 | 8 | 7 | 5 |
| 55° | 1 | 1 | 2 | 1 | 1 | 1 |
| 65° | 0 | 0 | 0 | 0 | 0 | 0 |
| 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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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 1220.2 | 1220.2 | 1220.2 | 1220.2 | 1220.2 |
| 2.5° | 1212.0 | 1211.2 | 1211.7 | 1212.3 | 1212.5 |
| 5° | 1180.6 | 1179.5 | 1179.2 | 1181.7 | 1180.7 |
| 7.5° | 1117.1 | 1115.5 | 1113.1 | 1118.6 | 1123.8 |
| 10° | 1010.9 | 1009.1 | 1003.8 | 1006.4 | 1010.6 |
| 12.5° | 854.0 | 848.2 | 848.1 | 856.4 | 855.3 |
| 15° | 646.9 | 639.1 | 643.4 | 641.4 | 640.2 |
| 17.5° | 435.0 | 432.0 | 437.8 | 436.1 | 428.6 |
| 20° | 312.9 | 313.7 | 324.7 | 319.2 | 312.5 |
| 22.5° | 228.4 | 231.2 | 244.2 | 230.0 | 224.8 |
| 25° | 152.1 | 157.8 | 171.4 | 153.8 | 148.9 |
| 27.5° | 93.5 | 96.1 | 110.0 | 92.3 | 89.7 |
| 30° | 58.2 | 56.8 | 63.4 | 54.4 | 50.7 |
| 32.5° | 38.2 | 36.5 | 38.6 | 34.6 | 31.6 |
| 35° | 25.5 | 26.1 | 24.5 | 24.2 | 20.5 |
| 37.5° | 15.9 | 18.3 | 16.2 | 17.2 | 13.2 |
| 40° | 10.3 | 13.3 | 11.5 | 12.7 | 9.7 |
| 42.5° | 8.4 | 10.3 | 9.4 | 10.0 | 8.7 |
| 45° | 6.7 | 8.3 | 8.3 | 8.3 | 6.8 |
| 47.5° | 3.7 | 5.6 | 7.1 | 5.7 | 4.0 |
| 50° | 2.1 | 2.8 | 5.5 | 2.9 | 2.2 |
| 52.5° | 1.4 | 1.6 | 3.8 | 1.7 | 1.5 |
| 55° | 1.1 | 1.1 | 2.1 | 1.2 | 1.1 |
| 57.5° | 0.9 | 0.9 | 1.1 | 0.9 | 0.9 |
| 60° | 0.7 | 0.7 | 0.8 | 0.7 | 0.7 |
| 62.5° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 65° | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 67.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 70° | 0.2 | 0.1 | 0.1 | 0.1 | 0.2 |
| 72.5° | 0.1 | 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 |

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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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