

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: P757187

Luminaire Tested: LD6D02D010-EU6DR300210IC9050-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P757187
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-EU6DR300210IC9050-6LBDP1B
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: 305.5 lumens
Efficiency: N/A
Efficacy: 59.9 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 (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



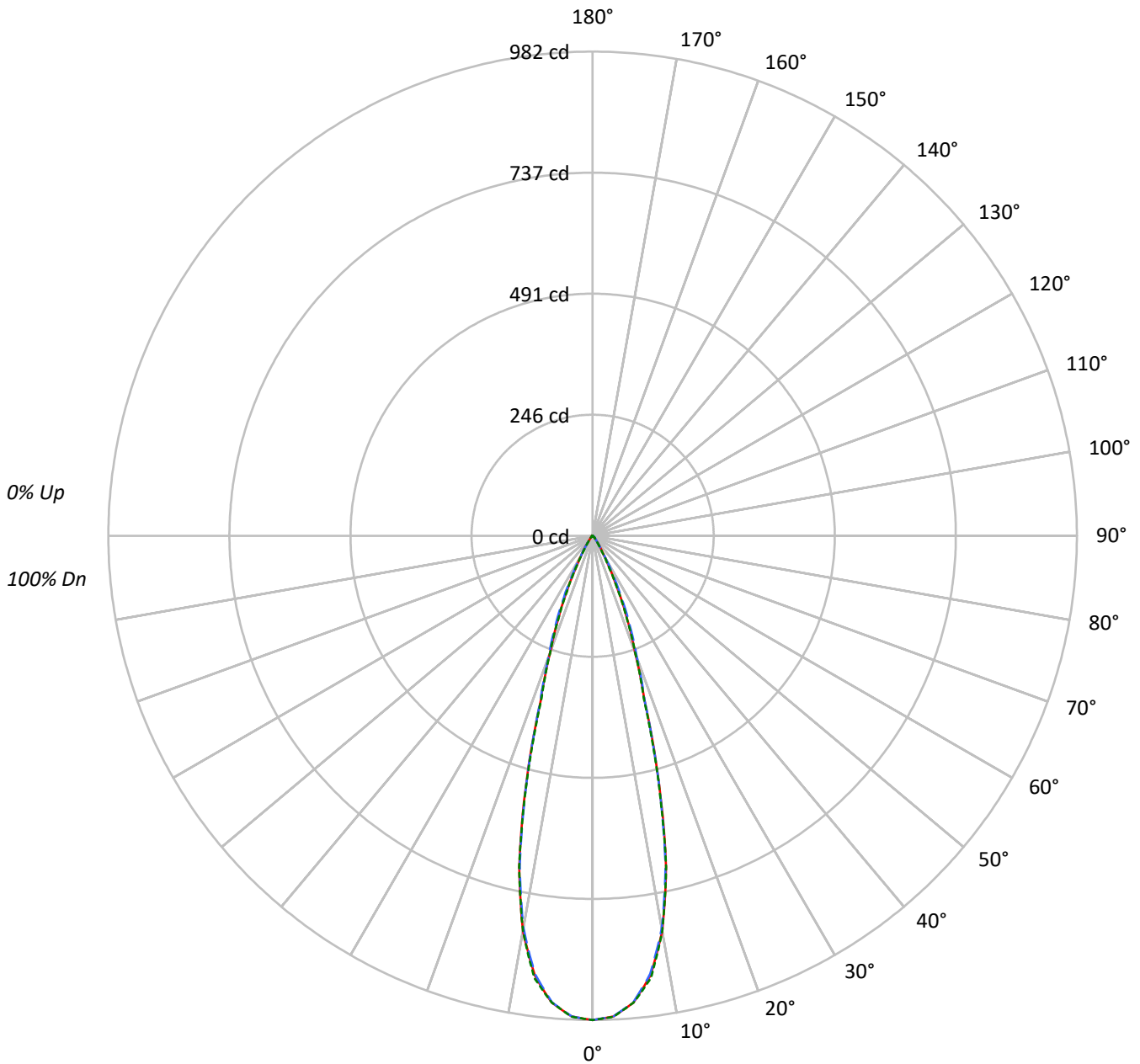
Downlight



TEST NUMBER: P757187

CATALOG NUMBER: LD6D02D010-EU6DR300210IC9050-6LBDP1B

Luminous Intensity Polar Plot





TEST NUMBER: P757187

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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° | 75189 | 75189 | 75189 |
| 5° | 73032 | 72948 | 73032 |
| 10° | 63260 | 62809 | 63236 |
| 15° | 41270 | 41048 | 40842 |
| 20° | 20519 | 21293 | 20494 |
| 25° | 10337 | 11655 | 10126 |
| 30° | 4136 | 4508 | 3606 |
| 35° | 1925 | 1841 | 1542 |
| 40° | 829 | 919 | 779 |
| 45° | 585 | 725 | 585 |
| 50° | 202 | 524 | 214 |
| 55° | 120 | 227 | 120 |
| 60° | 77 | 92 | 77 |
| 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: 725 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 86.4 | 28.3 |
| 10°-20° | 139.1 | 45.5 |
| 20°-30° | 60.1 | 19.7 |
| 30°-40° | 13.7 | 4.5 |
| 40°-50° | 4.7 | 1.5 |
| 50°-60° | 1.2 | 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° | 285.6 | 93.5 |
| 0°-40° | 299.3 | 98.0 |
| 0°-60° | 305.2 | 99.9 |
| 0°-90° | 305.5 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 305.5 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 982 | 982 | 982 | 982 | 982 | |
| 5° | 950 | 950 | 949 | 951 | 950 | 86 |
| 15° | 521 | 515 | 518 | 516 | 515 | 139 |
| 25° | 122 | 127 | 138 | 124 | 120 | 59 |
| 35° | 21 | 21 | 20 | 20 | 16 | 14 |
| 45° | 5 | 7 | 7 | 7 | 5 | 4 |
| 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 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|-------|-------|-------|-------|-------|
| 0° | 982.3 | 982.3 | 982.3 | 982.3 | 982.3 |
| 2.5° | 975.8 | 975.2 | 975.5 | 976.0 | 976.2 |
| 5° | 950.5 | 949.6 | 949.4 | 951.4 | 950.5 |
| 7.5° | 899.4 | 898.1 | 896.2 | 900.6 | 904.8 |
| 10° | 813.9 | 812.4 | 808.1 | 810.3 | 813.6 |
| 12.5° | 687.5 | 682.8 | 682.8 | 689.5 | 688.6 |
| 15° | 520.8 | 514.6 | 518.0 | 516.3 | 515.4 |
| 17.5° | 350.2 | 347.8 | 352.5 | 351.0 | 345.0 |
| 20° | 251.9 | 252.6 | 261.4 | 257.0 | 251.6 |
| 22.5° | 183.9 | 186.1 | 196.6 | 185.2 | 180.9 |
| 25° | 122.4 | 127.0 | 138.0 | 123.8 | 119.9 |
| 27.5° | 75.3 | 77.4 | 88.5 | 74.3 | 72.2 |
| 30° | 46.8 | 45.8 | 51.0 | 43.8 | 40.8 |
| 32.5° | 30.7 | 29.4 | 31.1 | 27.9 | 25.4 |
| 35° | 20.6 | 21.0 | 19.7 | 19.5 | 16.5 |
| 37.5° | 12.8 | 14.8 | 13.0 | 13.9 | 10.6 |
| 40° | 8.3 | 10.7 | 9.2 | 10.2 | 7.8 |
| 42.5° | 6.8 | 8.3 | 7.6 | 8.1 | 6.9 |
| 45° | 5.4 | 6.7 | 6.7 | 6.7 | 5.4 |
| 47.5° | 3.0 | 4.5 | 5.7 | 4.6 | 3.2 |
| 50° | 1.7 | 2.3 | 4.4 | 2.3 | 1.8 |
| 52.5° | 1.1 | 1.3 | 3.0 | 1.4 | 1.2 |
| 55° | 0.9 | 0.9 | 1.7 | 1.0 | 0.9 |
| 57.5° | 0.7 | 0.7 | 0.9 | 0.7 | 0.7 |
| 60° | 0.5 | 0.5 | 0.6 | 0.6 | 0.5 |
| 62.5° | 0.4 | 0.4 | 0.5 | 0.4 | 0.4 |
| 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 |

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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