

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: P757161

Luminaire Tested: LD6D02D010-EU6DR300210IC9035-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P757161
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-EU6DR300210IC9035-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 300.8 lumens
Efficiency: N/A
Efficacy: 59.0 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



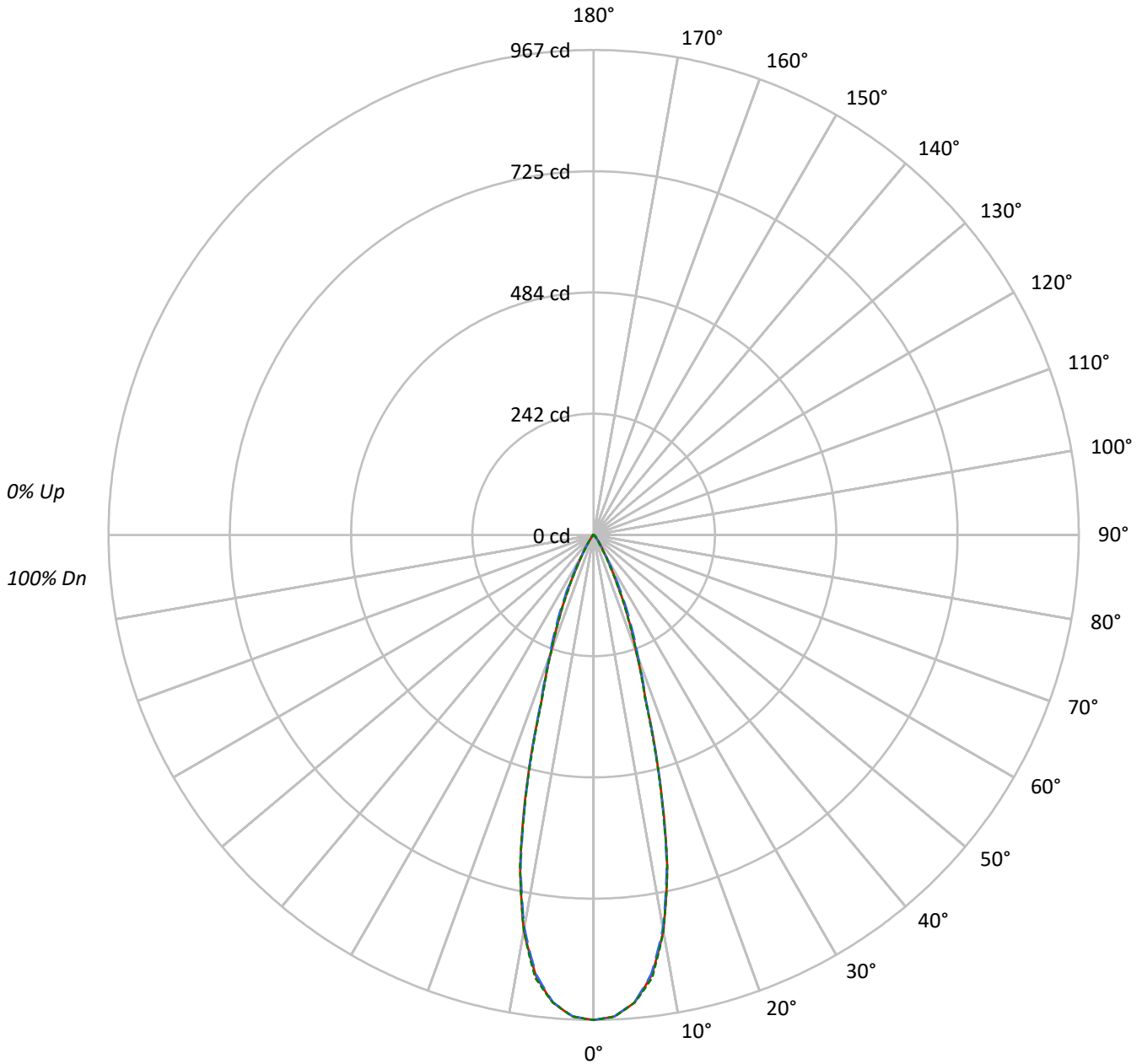
Downlight



TEST NUMBER: P757161

CATALOG NUMBER: LD6D02D010-EU6DR300210IC9035-6LBDP1B

Luminous Intensity Polar Plot





TEST NUMBER: P757161

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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° | 74040 | 74040 | 74040 |
| 5° | 71918 | 71834 | 71918 |
| 10° | 62288 | 61853 | 62273 |
| 15° | 40636 | 40422 | 40216 |
| 20° | 20209 | 20967 | 20177 |
| 25° | 10177 | 11478 | 9974 |
| 30° | 4075 | 4437 | 3553 |
| 35° | 1888 | 1813 | 1514 |
| 40° | 819 | 909 | 769 |
| 45° | 574 | 714 | 585 |
| 50° | 202 | 524 | 214 |
| 55° | 120 | 214 | 120 |
| 60° | 77 | 92 | 77 |
| 65° | 54 | 54 | 54 |
| 70° | 22 | 22 | 22 |
| 75° | 0 | 30 | 0 |
| 80° | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 714 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 85.1 | 28.3 |
| 10°-20° | 137.0 | 45.5 |
| 20°-30° | 59.2 | 19.7 |
| 30°-40° | 13.5 | 4.5 |
| 40°-50° | 4.6 | 1.5 |
| 50°-60° | 1.1 | 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° | 281.2 | 93.5 |
| 0°-40° | 294.7 | 98.0 |
| 0°-60° | 300.5 | 99.9 |
| 0°-90° | 300.8 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 300.8 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 967 | 967 | 967 | 967 | 967 | |
| 5° | 936 | 935 | 935 | 937 | 936 | 85 |
| 15° | 513 | 507 | 510 | 508 | 508 | 137 |
| 25° | 120 | 125 | 136 | 122 | 118 | 58 |
| 35° | 20 | 21 | 19 | 19 | 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° | 967.3 | 967.3 | 967.3 | 967.3 | 967.3 |
| 2.5° | 960.9 | 960.2 | 960.6 | 961.1 | 961.2 |
| 5° | 936.0 | 935.1 | 934.9 | 936.8 | 936.0 |
| 7.5° | 885.7 | 884.4 | 882.5 | 886.9 | 891.0 |
| 10° | 801.4 | 800.0 | 795.8 | 797.8 | 801.2 |
| 12.5° | 677.1 | 672.4 | 672.4 | 679.0 | 678.1 |
| 15° | 512.8 | 506.7 | 510.1 | 508.4 | 507.5 |
| 17.5° | 344.9 | 342.5 | 347.0 | 345.7 | 339.8 |
| 20° | 248.1 | 248.7 | 257.4 | 253.0 | 247.7 |
| 22.5° | 181.1 | 183.3 | 193.6 | 182.3 | 178.2 |
| 25° | 120.5 | 125.1 | 135.9 | 121.9 | 118.1 |
| 27.5° | 74.1 | 76.2 | 87.2 | 73.2 | 71.1 |
| 30° | 46.1 | 45.1 | 50.2 | 43.1 | 40.2 |
| 32.5° | 30.3 | 28.9 | 30.6 | 27.4 | 25.1 |
| 35° | 20.2 | 20.7 | 19.4 | 19.3 | 16.2 |
| 37.5° | 12.6 | 14.6 | 12.8 | 13.7 | 10.4 |
| 40° | 8.2 | 10.5 | 9.1 | 10.0 | 7.7 |
| 42.5° | 6.7 | 8.1 | 7.4 | 7.9 | 6.8 |
| 45° | 5.3 | 6.6 | 6.6 | 6.6 | 5.4 |
| 47.5° | 2.9 | 4.4 | 5.7 | 4.5 | 3.2 |
| 50° | 1.7 | 2.2 | 4.4 | 2.3 | 1.8 |
| 52.5° | 1.1 | 1.3 | 3.0 | 1.3 | 1.2 |
| 55° | 0.9 | 0.9 | 1.6 | 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 | 0.4 | 0.4 | 0.4 |
| 65° | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 67.5° | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 |
| 70° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 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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