

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: P757133

Luminaire Tested: LD6D02D010-EU6DR300210IC9027-6LBCSSQMMS

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P757133
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-EU6DR300210IC9027-6LBCSSQMMS
Description: 6 INCH SQAURE SHALLOW CAST MATTE METALLIC SILVER TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 313.0 lumens
Efficiency: N/A
Efficacy: 61.4 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

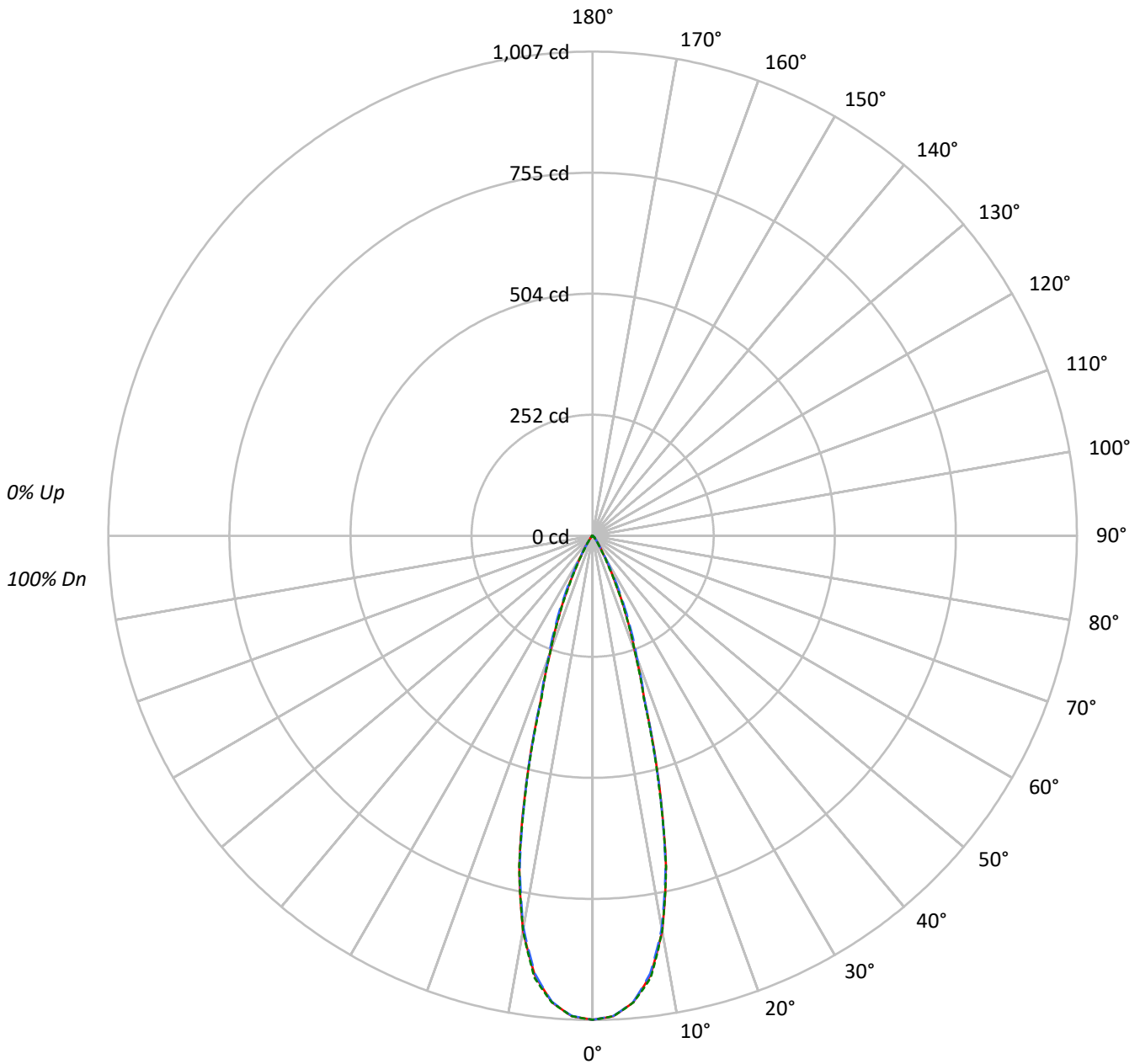


Downlight



TEST NUMBER: P757133
CATALOG NUMBER: LD6D02D010-EU6DR300210IC9027-6LBCSSQMMS

Luminous Intensity Polar Plot





TEST NUMBER: P757133

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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 | 50 | 30 | 10 | 0 | | | | | | | | | | | | | |
| RCR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | | | | | | 100 | | | | | | | | | | | | | |
| 1 | 115 | 113 | 111 | 109 | 112 | 110 | 109 | 107 | 106 | 105 | 104 | 103 | 102 | 101 | 99 | 99 | 98 | 96 | | | | | | 96 | | | | | | | | | | | | | |
| 2 | 111 | 107 | 104 | 101 | 109 | 105 | 102 | 100 | 102 | 100 | 98 | 99 | 97 | 96 | 97 | 95 | 94 | 92 | | | | | | 92 | | | | | | | | | | | | | |
| 3 | 107 | 102 | 98 | 95 | 105 | 101 | 97 | 94 | 98 | 95 | 93 | 96 | 93 | 91 | 94 | 92 | 90 | 89 | | | | | | 89 | | | | | | | | | | | | | |
| 4 | 103 | 98 | 93 | 90 | 102 | 96 | 93 | 90 | 94 | 91 | 89 | 93 | 90 | 88 | 91 | 89 | 87 | 85 | | | | | | 85 | | | | | | | | | | | | | |
| 5 | 100 | 94 | 89 | 86 | 98 | 93 | 89 | 86 | 91 | 88 | 85 | 90 | 86 | 84 | 88 | 86 | 83 | 82 | | | | | | 82 | | | | | | | | | | | | | |
| 6 | 97 | 90 | 85 | 82 | 95 | 89 | 85 | 82 | 88 | 84 | 81 | 87 | 83 | 81 | 85 | 83 | 80 | 79 | | | | | | 79 | | | | | | | | | | | | | |
| 7 | 94 | 87 | 82 | 79 | 92 | 86 | 82 | 79 | 85 | 81 | 78 | 84 | 81 | 78 | 83 | 80 | 78 | 77 | | | | | | 77 | | | | | | | | | | | | | |
| 8 | 91 | 84 | 79 | 76 | 90 | 83 | 79 | 76 | 82 | 78 | 76 | 81 | 78 | 75 | 80 | 77 | 75 | 74 | | | | | | 74 | | | | | | | | | | | | | |
| 9 | 88 | 81 | 76 | 73 | 87 | 80 | 76 | 73 | 80 | 76 | 73 | 79 | 75 | 73 | 78 | 75 | 73 | 72 | | | | | | 72 | | | | | | | | | | | | | |
| 10 | 85 | 78 | 74 | 71 | 85 | 78 | 74 | 71 | 77 | 73 | 71 | 76 | 73 | 71 | 76 | 73 | 70 | 69 | | | | | | 69 | | | | | | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 77049 | 77049 | 77049 |
| 5° | 74830 | 74746 | 74838 |
| 10° | 64814 | 64356 | 64799 |
| 15° | 42284 | 42062 | 41849 |
| 20° | 21032 | 21822 | 20999 |
| 25° | 10591 | 11942 | 10371 |
| 30° | 4242 | 4623 | 3694 |
| 35° | 1962 | 1888 | 1579 |
| 40° | 849 | 949 | 799 |
| 45° | 606 | 747 | 606 |
| 50° | 202 | 536 | 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: 747 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 88.5 | 28.3 |
| 10°-20° | 142.5 | 45.5 |
| 20°-30° | 61.6 | 19.7 |
| 30°-40° | 14.0 | 4.5 |
| 40°-50° | 4.8 | 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° | 292.7 | 93.5 |
| 0°-40° | 306.7 | 98.0 |
| 0°-60° | 312.7 | 99.9 |
| 0°-90° | 313.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 313.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 1007 | 1007 | 1007 | 1007 | 1007 | |
| 5° | 974 | 973 | 973 | 975 | 974 | 89 |
| 15° | 534 | 527 | 531 | 529 | 528 | 143 |
| 25° | 125 | 130 | 141 | 127 | 123 | 60 |
| 35° | 21 | 22 | 20 | 20 | 17 | 14 |
| 45° | 6 | 7 | 7 | 7 | 6 | 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° | 1006.6 | 1006.6 | 1006.6 | 1006.6 | 1006.6 |
| 2.5° | 999.9 | 999.2 | 999.6 | 1000.1 | 1000.3 |
| 5° | 973.9 | 973.0 | 972.8 | 974.8 | 974.0 |
| 7.5° | 921.6 | 920.3 | 918.2 | 922.8 | 927.1 |
| 10° | 833.9 | 832.4 | 828.0 | 830.2 | 833.7 |
| 12.5° | 704.5 | 699.7 | 699.6 | 706.5 | 705.6 |
| 15° | 533.6 | 527.2 | 530.8 | 529.1 | 528.1 |
| 17.5° | 358.9 | 356.4 | 361.1 | 359.7 | 353.5 |
| 20° | 258.2 | 258.8 | 267.9 | 263.3 | 257.8 |
| 22.5° | 188.4 | 190.7 | 201.4 | 189.7 | 185.4 |
| 25° | 125.4 | 130.2 | 141.4 | 126.9 | 122.8 |
| 27.5° | 77.1 | 79.3 | 90.8 | 76.1 | 74.0 |
| 30° | 48.0 | 46.9 | 52.3 | 44.9 | 41.8 |
| 32.5° | 31.5 | 30.1 | 31.8 | 28.6 | 26.1 |
| 35° | 21.0 | 21.5 | 20.2 | 20.0 | 16.9 |
| 37.5° | 13.1 | 15.1 | 13.3 | 14.2 | 10.9 |
| 40° | 8.5 | 10.9 | 9.5 | 10.4 | 8.0 |
| 42.5° | 7.0 | 8.4 | 7.7 | 8.3 | 7.1 |
| 45° | 5.6 | 6.9 | 6.9 | 6.9 | 5.6 |
| 47.5° | 3.0 | 4.6 | 5.9 | 4.7 | 3.3 |
| 50° | 1.7 | 2.3 | 4.5 | 2.4 | 1.8 |
| 52.5° | 1.2 | 1.3 | 3.1 | 1.4 | 1.3 |
| 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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