

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: P788320

Luminaire Tested: LER6D08D010-EC6DR300210IC9024-6LBDP1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P788320
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: LER6D08D010-EC6DR300210IC9024-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1156.0 lumens
Efficiency: N/A
Efficacy: 129.9 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): 8.9
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

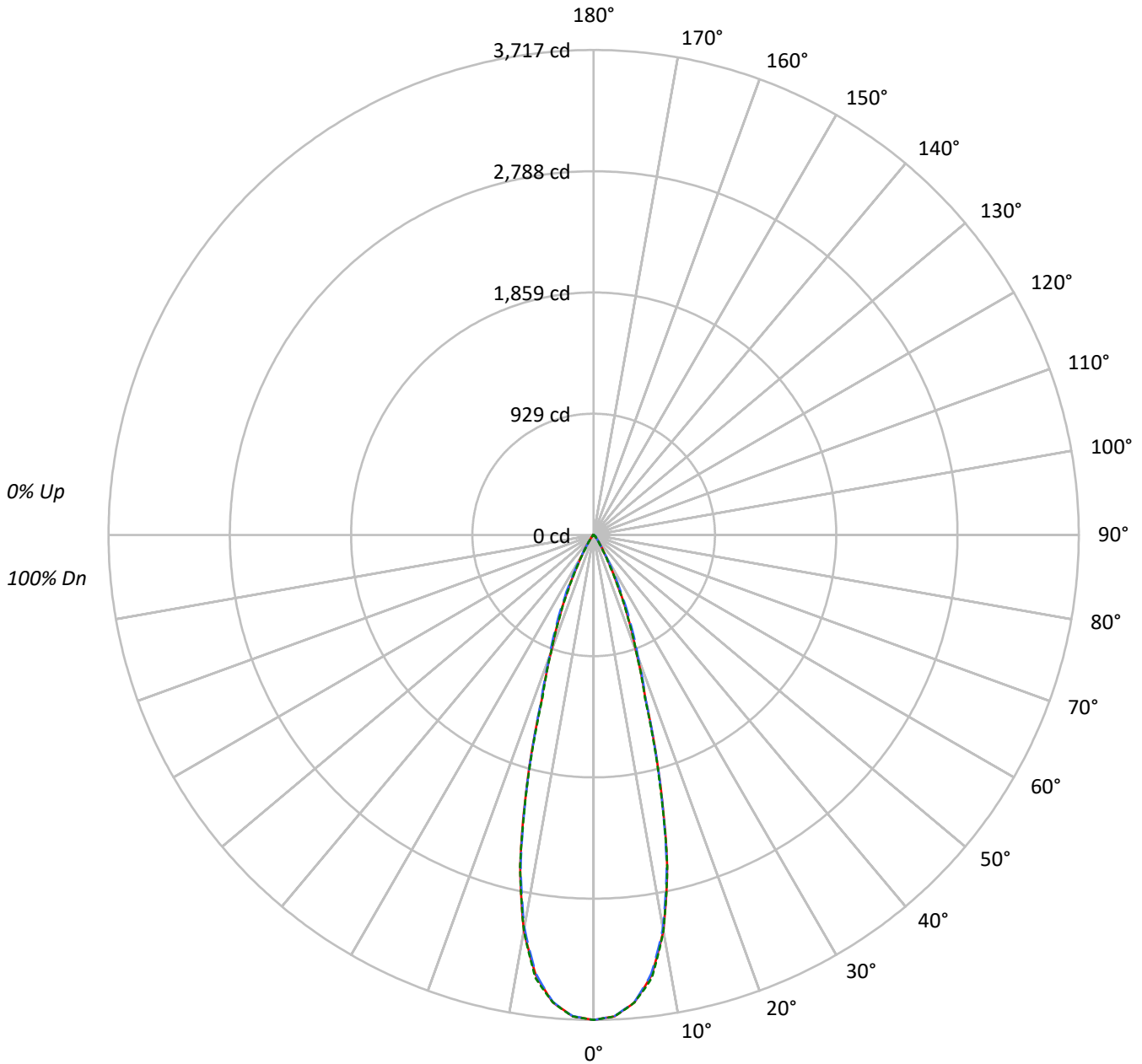


Downlight

TEST NUMBER: P788320

CATALOG NUMBER: LER6D08D010-EC6DR300210IC9024-6LBDP1H

Luminous Intensity Polar Plot





TEST NUMBER: P788320

CATALOG NUMBER: LER6D08D010-EC6DR300210IC9024-6LBDP1H

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° | 284527 | 284527 | 284527 |
| 5° | 276355 | 276033 | 276371 |
| 10° | 239367 | 237681 | 239313 |
| 15° | 156173 | 155333 | 154557 |
| 20° | 77660 | 80568 | 77554 |
| 25° | 39120 | 44112 | 38318 |
| 30° | 15662 | 17067 | 13647 |
| 35° | 7260 | 6961 | 5831 |
| 40° | 3137 | 3487 | 2958 |
| 45° | 2208 | 2750 | 2230 |
| 50° | 762 | 2001 | 810 |
| 55° | 440 | 827 | 467 |
| 60° | 306 | 367 | 306 |
| 65° | 199 | 199 | 199 |
| 70° | 112 | 90 | 112 |
| 75° | 0 | 59 | 0 |
| 80° | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 2750 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 326.9 | 28.3 |
| 10°-20° | 526.4 | 45.5 |
| 20°-30° | 227.5 | 19.7 |
| 30°-40° | 51.8 | 4.5 |
| 40°-50° | 17.8 | 1.5 |
| 50°-60° | 4.3 | 0.4 |
| 60°-70° | 1.1 | 0.1 |
| 70°-80° | 0.1 | 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° | 1080.8 | 93.5 |
| 0°-40° | 1132.6 | 98.0 |
| 0°-60° | 1154.8 | 99.9 |
| 0°-90° | 1156.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1156.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 3717 | 3717 | 3717 | 3717 | 3717 | |
| 5° | 3597 | 3593 | 3592 | 3600 | 3597 | 327 |
| 15° | 1971 | 1947 | 1960 | 1954 | 1950 | 528 |
| 25° | 463 | 481 | 522 | 468 | 454 | 222 |
| 35° | 78 | 79 | 74 | 74 | 62 | 53 |
| 45° | 20 | 25 | 25 | 25 | 21 | 14 |
| 55° | 3 | 4 | 6 | 4 | 4 | 3 |
| 65° | 1 | 1 | 1 | 1 | 1 | 1 |
| 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° | 3717.2 | 3717.2 | 3717.2 | 3717.2 | 3717.2 |
| 2.5° | 3692.5 | 3690.0 | 3691.4 | 3693.2 | 3694.0 |
| 5° | 3596.7 | 3593.2 | 3592.5 | 3600.0 | 3596.9 |
| 7.5° | 3403.4 | 3398.5 | 3391.0 | 3408.0 | 3423.9 |
| 10° | 3079.7 | 3074.2 | 3058.0 | 3066.0 | 3079.0 |
| 12.5° | 2601.7 | 2584.0 | 2583.6 | 2609.2 | 2605.7 |
| 15° | 1970.8 | 1947.1 | 1960.2 | 1953.8 | 1950.4 |
| 17.5° | 1325.3 | 1316.2 | 1333.7 | 1328.4 | 1305.6 |
| 20° | 953.4 | 955.8 | 989.1 | 972.4 | 952.1 |
| 22.5° | 695.7 | 704.3 | 743.9 | 700.6 | 684.7 |
| 25° | 463.2 | 480.7 | 522.3 | 468.5 | 453.7 |
| 27.5° | 284.9 | 292.9 | 335.1 | 281.2 | 273.2 |
| 30° | 177.2 | 173.2 | 193.1 | 165.7 | 154.4 |
| 32.5° | 116.3 | 111.1 | 117.5 | 105.5 | 96.4 |
| 35° | 77.7 | 79.4 | 74.5 | 73.9 | 62.4 |
| 37.5° | 48.5 | 55.8 | 49.3 | 52.6 | 40.1 |
| 40° | 31.4 | 40.5 | 34.9 | 38.5 | 29.6 |
| 42.5° | 25.7 | 31.2 | 28.7 | 30.5 | 26.3 |
| 45° | 20.4 | 25.4 | 25.4 | 25.4 | 20.6 |
| 47.5° | 11.3 | 17.0 | 21.7 | 17.3 | 12.0 |
| 50° | 6.4 | 8.6 | 16.8 | 8.9 | 6.8 |
| 52.5° | 4.4 | 4.9 | 11.5 | 5.1 | 4.6 |
| 55° | 3.3 | 3.5 | 6.2 | 3.6 | 3.5 |
| 57.5° | 2.6 | 2.7 | 3.3 | 2.7 | 2.6 |
| 60° | 2.0 | 2.0 | 2.4 | 2.2 | 2.0 |
| 62.5° | 1.5 | 1.5 | 1.6 | 1.5 | 1.5 |
| 65° | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 67.5° | 0.5 | 0.7 | 0.7 | 0.7 | 0.7 |
| 70° | 0.5 | 0.4 | 0.4 | 0.4 | 0.5 |
| 72.5° | 0.4 | 0.2 | 0.2 | 0.2 | 0.2 |
| 75° | 0.0 | 0.0 | 0.2 | 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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