

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: P788945

Luminaire Tested: LER6D10D010-EC6DR300210IC9024-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P788945
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: LER6D10D010-EC6DR300210IC9024-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF 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: 1622.7 lumens
Efficiency: N/A
Efficacy: 138.7 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): 11.7
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

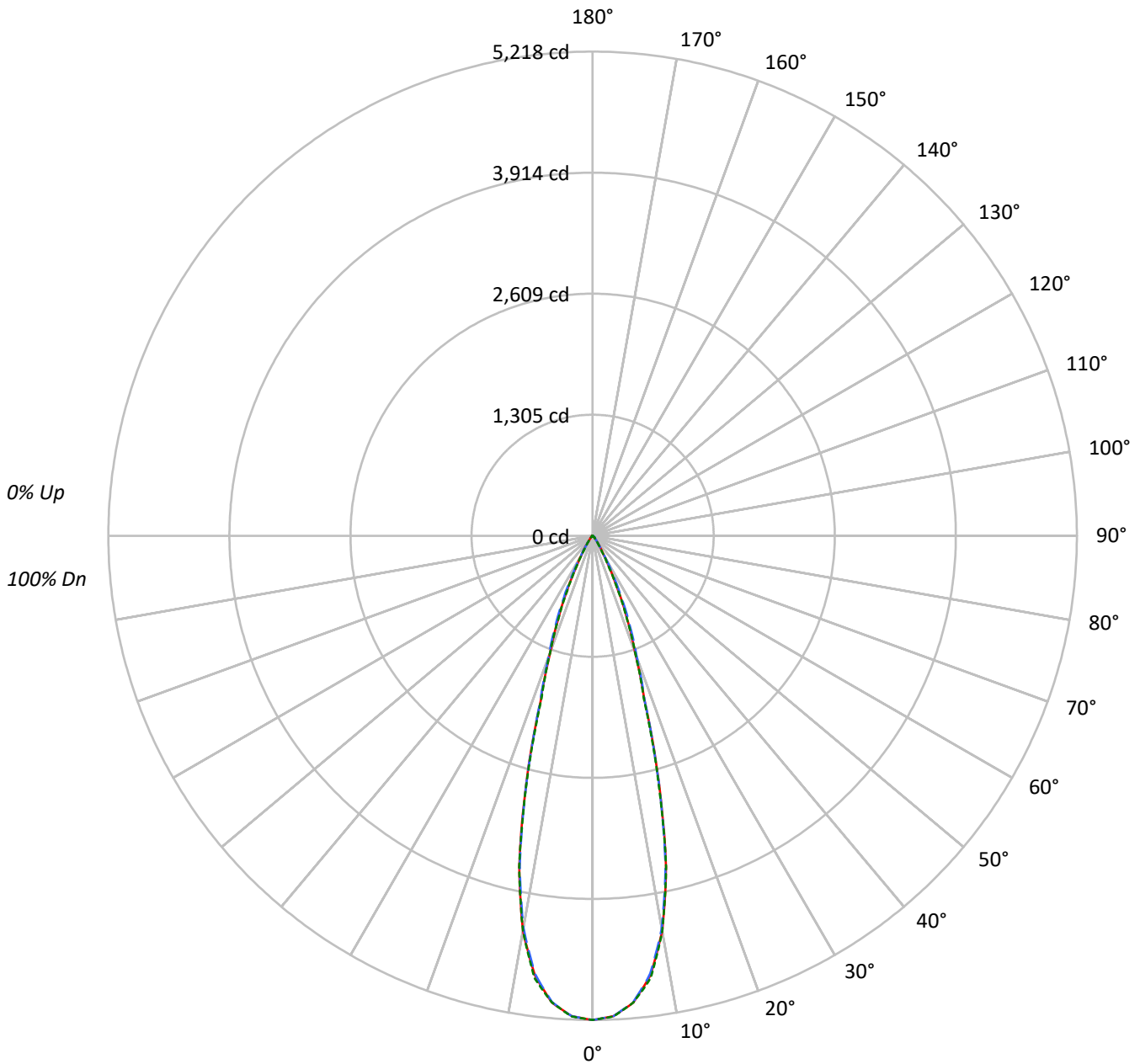


Downlight

TEST NUMBER: P788945

CATALOG NUMBER: LER6D10D010-EC6DR300210IC9024-6LBDP1LI

Luminous Intensity Polar Plot





TEST NUMBER: P788945

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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° | 399396 | 399396 | 399396 |
| 5° | 387928 | 387475 | 387944 |
| 10° | 336002 | 333631 | 335924 |
| 15° | 219227 | 218047 | 216953 |
| 20° | 109012 | 113101 | 108866 |
| 25° | 54913 | 61923 | 53790 |
| 30° | 21990 | 23952 | 19153 |
| 35° | 10195 | 9765 | 8186 |
| 40° | 4406 | 4886 | 4147 |
| 45° | 3107 | 3854 | 3128 |
| 50° | 1072 | 2810 | 1131 |
| 55° | 614 | 1161 | 654 |
| 60° | 429 | 505 | 429 |
| 65° | 272 | 272 | 272 |
| 70° | 179 | 112 | 179 |
| 75° | 0 | 89 | 0 |
| 80° | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 3854 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 458.8 | 28.3 |
| 10°-20° | 739.0 | 45.5 |
| 20°-30° | 319.3 | 19.7 |
| 30°-40° | 72.8 | 4.5 |
| 40°-50° | 25.0 | 1.5 |
| 50°-60° | 6.1 | 0.4 |
| 60°-70° | 1.6 | 0.1 |
| 70°-80° | 0.2 | 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° | 1517.1 | 93.5 |
| 0°-40° | 1589.9 | 98.0 |
| 0°-60° | 1621.0 | 99.9 |
| 0°-90° | 1622.7 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1622.7 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 5218 | 5218 | 5218 | 5218 | 5218 | |
| 5° | 5049 | 5044 | 5043 | 5053 | 5049 | 459 |
| 15° | 2766 | 2733 | 2752 | 2743 | 2738 | 741 |
| 25° | 650 | 675 | 733 | 658 | 637 | 311 |
| 35° | 109 | 111 | 104 | 104 | 88 | 74 |
| 45° | 29 | 36 | 36 | 36 | 29 | 20 |
| 55° | 5 | 5 | 9 | 5 | 5 | 4 |
| 65° | 2 | 2 | 2 | 2 | 2 | 2 |
| 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° | 5217.9 | 5217.9 | 5217.9 | 5217.9 | 5217.9 |
| 2.5° | 5183.3 | 5179.7 | 5181.7 | 5184.3 | 5185.3 |
| 5° | 5048.8 | 5043.9 | 5042.9 | 5053.4 | 5049.0 |
| 7.5° | 4777.5 | 4770.6 | 4760.1 | 4783.9 | 4806.2 |
| 10° | 4323.0 | 4315.3 | 4292.5 | 4303.8 | 4322.0 |
| 12.5° | 3652.1 | 3627.2 | 3626.7 | 3662.6 | 3657.7 |
| 15° | 2766.5 | 2733.2 | 2751.6 | 2742.7 | 2737.8 |
| 17.5° | 1860.4 | 1847.6 | 1872.2 | 1864.7 | 1832.7 |
| 20° | 1338.3 | 1341.6 | 1388.5 | 1364.9 | 1336.5 |
| 22.5° | 976.6 | 988.6 | 1044.2 | 983.5 | 961.2 |
| 25° | 650.2 | 674.8 | 733.2 | 657.6 | 636.9 |
| 27.5° | 399.9 | 411.2 | 470.3 | 394.8 | 383.5 |
| 30° | 248.8 | 243.1 | 271.0 | 232.6 | 216.7 |
| 32.5° | 163.2 | 156.0 | 165.0 | 148.1 | 135.3 |
| 35° | 109.1 | 111.4 | 104.5 | 103.8 | 87.6 |
| 37.5° | 68.1 | 78.4 | 69.2 | 73.8 | 56.4 |
| 40° | 44.1 | 56.9 | 48.9 | 54.1 | 41.5 |
| 42.5° | 36.1 | 43.8 | 40.2 | 42.8 | 36.9 |
| 45° | 28.7 | 35.6 | 35.6 | 35.6 | 28.9 |
| 47.5° | 15.9 | 23.8 | 30.5 | 24.3 | 16.9 |
| 50° | 9.0 | 12.0 | 23.6 | 12.6 | 9.5 |
| 52.5° | 6.1 | 6.9 | 16.1 | 7.2 | 6.4 |
| 55° | 4.6 | 4.9 | 8.7 | 5.1 | 4.9 |
| 57.5° | 3.6 | 3.8 | 4.6 | 3.8 | 3.6 |
| 60° | 2.8 | 2.8 | 3.3 | 3.1 | 2.8 |
| 62.5° | 2.0 | 2.0 | 2.3 | 2.0 | 2.0 |
| 65° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 67.5° | 0.8 | 1.0 | 1.0 | 1.0 | 1.0 |
| 70° | 0.8 | 0.5 | 0.5 | 0.5 | 0.8 |
| 72.5° | 0.5 | 0.3 | 0.3 | 0.3 | 0.3 |
| 75° | 0.0 | 0.0 | 0.3 | 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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