

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: P790760

Luminaire Tested: LER6D25D010-EC6DR3020359027-6LBDP1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790760
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: LER6D25D010-EC6DR3020359027-6LB DP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4680.5 lumens
Efficiency: N/A
Efficacy: 186.5 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): 25.1
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

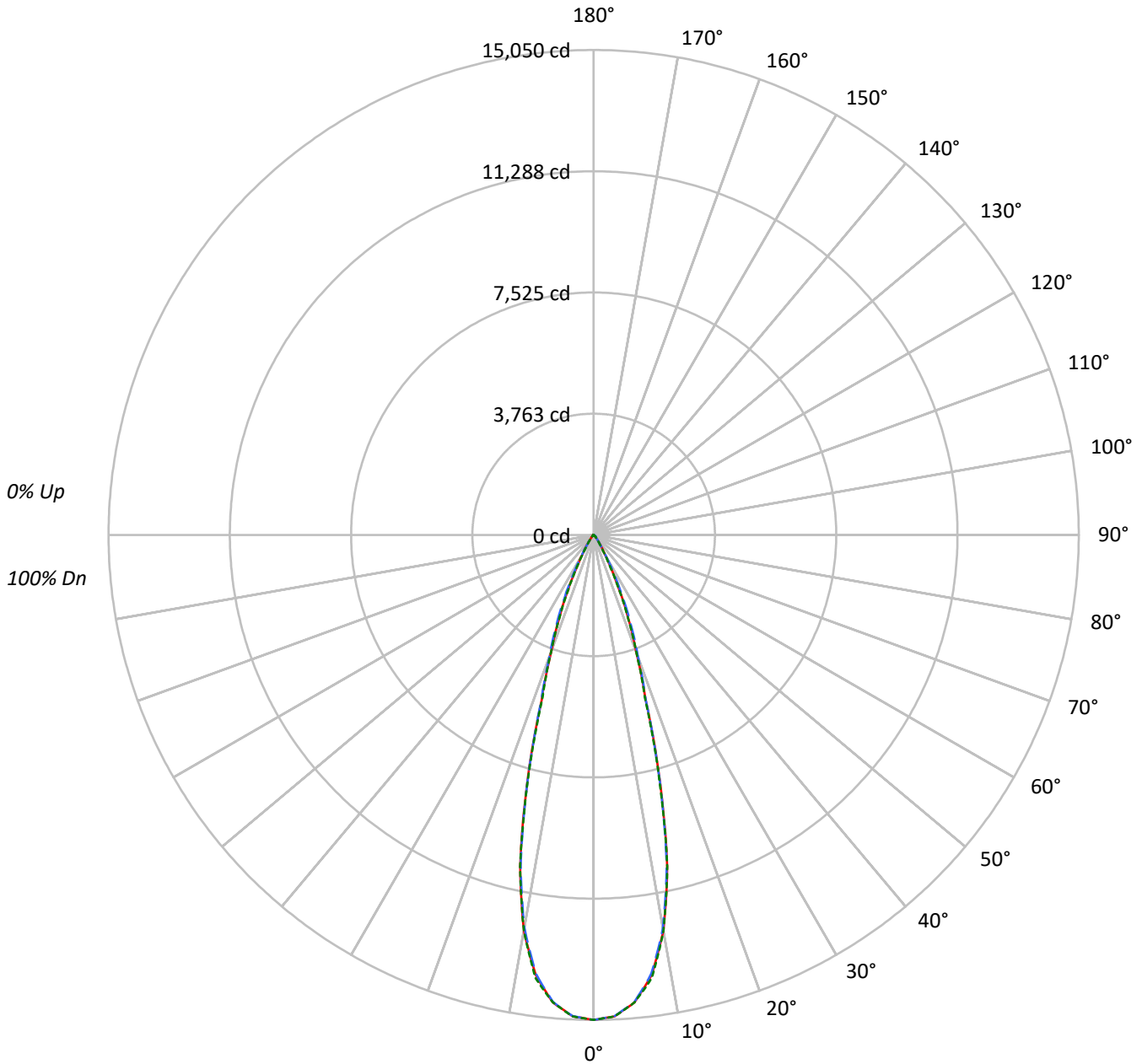


Downlight

TEST NUMBER: P790760

CATALOG NUMBER: LER6D25D010-EC6DR3020359027-6LBDP1H

Luminous Intensity Polar Plot





TEST NUMBER: P790760

CATALOG NUMBER: LER6D25D010-EC6DR3020359027-6LBDP1H

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 | 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° | 1151978 | 1151978 | 1151978 |
| 5° | 1118906 | 1117599 | 1118959 |
| 10° | 969143 | 962311 | 968910 |
| 15° | 632316 | 628924 | 625763 |
| 20° | 314419 | 326222 | 314004 |
| 25° | 158381 | 178600 | 155138 |
| 30° | 63416 | 69099 | 55249 |
| 35° | 29416 | 28173 | 23613 |
| 40° | 12700 | 14099 | 11960 |
| 45° | 8963 | 11117 | 9039 |
| 50° | 3084 | 8097 | 3251 |
| 55° | 1775 | 3350 | 1868 |
| 60° | 1240 | 1470 | 1240 |
| 65° | 797 | 797 | 797 |
| 70° | 492 | 336 | 492 |
| 75° | 0 | 207 | 0 |
| 80° | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 11117 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 1323.4 | 28.3 |
| 10°-20° | 2131.4 | 45.5 |
| 20°-30° | 921.0 | 19.7 |
| 30°-40° | 209.9 | 4.5 |
| 40°-50° | 72.1 | 1.5 |
| 50°-60° | 17.6 | 0.4 |
| 60°-70° | 4.6 | 0.1 |
| 70°-80° | 0.5 | 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° | 4375.8 | 93.5 |
| 0°-40° | 4585.7 | 98.0 |
| 0°-60° | 4675.4 | 99.9 |
| 0°-90° | 4680.5 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 4680.5 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-------|-------|-------|-------|-------|------|
| 0° | 15050 | 15050 | 15050 | 15050 | 15050 | |
| 5° | 14562 | 14548 | 14545 | 14576 | 14563 | 1325 |
| 15° | 7979 | 7883 | 7937 | 7911 | 7897 | 2137 |
| 25° | 1875 | 1946 | 2115 | 1897 | 1837 | 898 |
| 35° | 315 | 321 | 302 | 299 | 253 | 214 |
| 45° | 83 | 103 | 103 | 103 | 84 | 59 |
| 55° | 13 | 14 | 25 | 15 | 14 | 13 |
| 65° | 4 | 4 | 4 | 4 | 4 | 4 |
| 75° | 0 | 0 | 1 | 0 | 0 | 1 |
| 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° | 15050.0 | 15050.0 | 15050.0 | 15050.0 | 15050.0 |
| 2.5° | 14950.2 | 14939.9 | 14945.8 | 14953.2 | 14956.1 |
| 5° | 14562.3 | 14548.3 | 14545.3 | 14575.6 | 14563.0 |
| 7.5° | 13779.8 | 13759.9 | 13729.6 | 13798.3 | 13862.6 |
| 10° | 12469.0 | 12446.8 | 12381.1 | 12413.6 | 12466.0 |
| 12.5° | 10533.8 | 10462.1 | 10460.6 | 10564.1 | 10550.1 |
| 15° | 7979.4 | 7883.4 | 7936.6 | 7910.7 | 7896.7 |
| 17.5° | 5365.9 | 5329.0 | 5399.9 | 5378.5 | 5286.1 |
| 20° | 3860.0 | 3869.6 | 4004.9 | 3936.9 | 3854.9 |
| 22.5° | 2816.7 | 2851.4 | 3011.8 | 2836.6 | 2772.4 |
| 25° | 1875.3 | 1946.3 | 2114.7 | 1896.8 | 1836.9 |
| 27.5° | 1153.4 | 1185.9 | 1356.6 | 1138.6 | 1106.1 |
| 30° | 717.5 | 701.2 | 781.8 | 670.9 | 625.1 |
| 32.5° | 470.7 | 450.0 | 475.9 | 427.1 | 390.1 |
| 35° | 314.8 | 321.4 | 301.5 | 299.3 | 252.7 |
| 37.5° | 196.5 | 226.1 | 199.5 | 212.8 | 162.6 |
| 40° | 127.1 | 164.0 | 141.1 | 155.9 | 119.7 |
| 42.5° | 104.2 | 126.4 | 116.0 | 123.4 | 106.4 |
| 45° | 82.8 | 102.7 | 102.7 | 102.7 | 83.5 |
| 47.5° | 45.8 | 68.7 | 87.9 | 70.2 | 48.8 |
| 50° | 25.9 | 34.7 | 68.0 | 36.2 | 27.3 |
| 52.5° | 17.7 | 20.0 | 46.6 | 20.7 | 18.5 |
| 55° | 13.3 | 14.0 | 25.1 | 14.8 | 14.0 |
| 57.5° | 10.3 | 11.1 | 13.3 | 11.1 | 10.3 |
| 60° | 8.1 | 8.1 | 9.6 | 8.9 | 8.1 |
| 62.5° | 5.9 | 5.9 | 6.7 | 5.9 | 5.9 |
| 65° | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 |
| 67.5° | 2.2 | 3.0 | 3.0 | 3.0 | 3.0 |
| 70° | 2.2 | 1.5 | 1.5 | 1.5 | 2.2 |
| 72.5° | 1.5 | 0.7 | 0.7 | 0.7 | 0.7 |
| 75° | 0.0 | 0.0 | 0.7 | 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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