

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: P790787

Luminaire Tested: LER6D25D010-EC6DR3020359040-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790787
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-EC6DR3020359040-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5174.4 lumens
Efficiency: N/A
Efficacy: 206.2 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

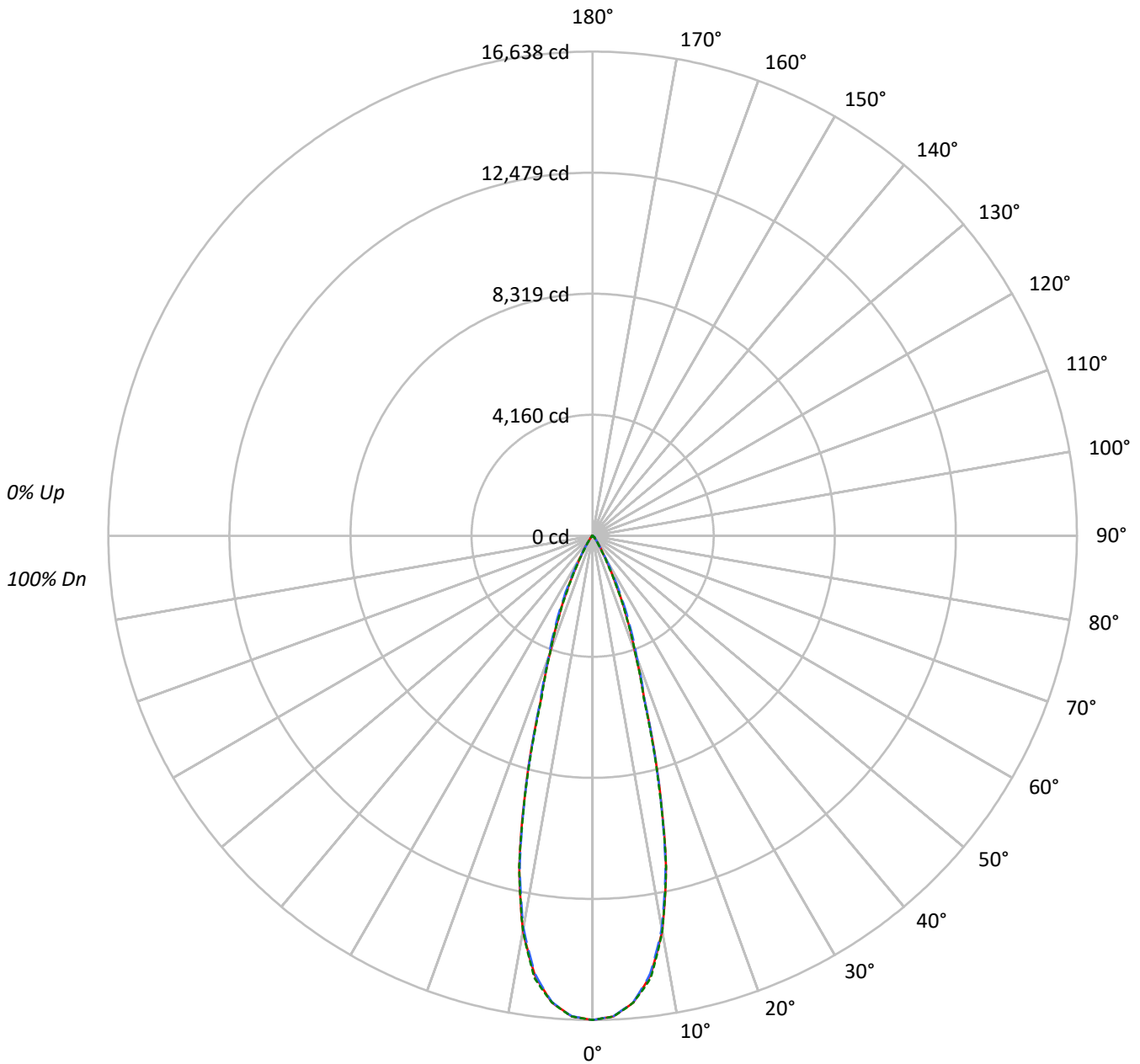


Downlight

TEST NUMBER: P790787

CATALOG NUMBER: LER6D25D010-EC6DR3020359040-6LBS1B

Luminous Intensity Polar Plot





TEST NUMBER: P790787

CATALOG NUMBER: LER6D25D010-EC6DR3020359040-6LBS1B

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° | 1273552 | 1273552 | 1273552 |
| 5° | 1236995 | 1235550 | 1237056 |
| 10° | 1071428 | 1063873 | 1071172 |
| 15° | 699055 | 695299 | 691804 |
| 20° | 347604 | 360645 | 347140 |
| 25° | 175103 | 197450 | 171514 |
| 30° | 70107 | 76391 | 61083 |
| 35° | 32518 | 31144 | 26108 |
| 40° | 14039 | 15588 | 13219 |
| 45° | 9905 | 12286 | 9991 |
| 50° | 3406 | 8955 | 3596 |
| 55° | 1962 | 3710 | 2068 |
| 60° | 1378 | 1623 | 1378 |
| 65° | 887 | 887 | 887 |
| 70° | 559 | 358 | 559 |
| 75° | 0 | 237 | 0 |
| 80° | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 12286 cd/sqm



TEST NUMBER: P790787

CATALOG NUMBER: LER6D25D010-EC6DR3020359040-6LBS1B

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 1463.1 | 28.3 |
| 10°-20° | 2356.3 | 45.5 |
| 20°-30° | 1018.2 | 19.7 |
| 30°-40° | 232.1 | 4.5 |
| 40°-50° | 79.7 | 1.5 |
| 50°-60° | 19.5 | 0.4 |
| 60°-70° | 5.0 | 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° | 4837.6 | 93.5 |
| 0°-40° | 5069.7 | 98.0 |
| 0°-60° | 5168.9 | 99.9 |
| 0°-90° | 5174.4 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 5174.4 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-------|-------|-------|-------|-------|------|
| 0° | 16638 | 16638 | 16638 | 16638 | 16638 | |
| 5° | 16099 | 16084 | 16080 | 16114 | 16100 | 1464 |
| 15° | 8822 | 8715 | 8774 | 8746 | 8730 | 2362 |
| 25° | 2073 | 2152 | 2338 | 2097 | 2031 | 992 |
| 35° | 348 | 355 | 333 | 331 | 279 | 236 |
| 45° | 92 | 114 | 114 | 114 | 92 | 65 |
| 55° | 15 | 16 | 28 | 16 | 16 | 14 |
| 65° | 5 | 5 | 5 | 5 | 5 | 5 |
| 75° | 0 | 0 | 1 | 0 | 0 | 1 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | 0 |



TEST NUMBER: P790787

CATALOG NUMBER: LER6D25D010-EC6DR3020359040-6LBS1B

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|---------|---------|---------|---------|---------|
| 0° | 16638.3 | 16638.3 | 16638.3 | 16638.3 | 16638.3 |
| 2.5° | 16528.1 | 16516.6 | 16523.2 | 16531.3 | 16534.6 |
| 5° | 16099.2 | 16083.7 | 16080.4 | 16113.9 | 16100.0 |
| 7.5° | 15234.1 | 15212.1 | 15178.6 | 15254.5 | 15325.6 |
| 10° | 13785.0 | 13760.5 | 13687.8 | 13723.7 | 13781.7 |
| 12.5° | 11645.5 | 11566.3 | 11564.7 | 11679.0 | 11663.5 |
| 15° | 8821.6 | 8715.4 | 8774.2 | 8745.6 | 8730.1 |
| 17.5° | 5932.2 | 5891.4 | 5969.8 | 5946.1 | 5844.0 |
| 20° | 4267.4 | 4278.0 | 4427.5 | 4352.4 | 4261.7 |
| 22.5° | 3114.0 | 3152.4 | 3329.6 | 3136.0 | 3065.0 |
| 25° | 2073.3 | 2151.7 | 2337.9 | 2096.9 | 2030.8 |
| 27.5° | 1275.2 | 1311.1 | 1499.8 | 1258.8 | 1222.9 |
| 30° | 793.2 | 775.2 | 864.3 | 741.7 | 691.1 |
| 32.5° | 520.4 | 497.5 | 526.1 | 472.2 | 431.3 |
| 35° | 348.0 | 355.3 | 333.3 | 330.8 | 279.4 |
| 37.5° | 217.3 | 250.0 | 220.6 | 235.3 | 179.7 |
| 40° | 140.5 | 181.3 | 156.0 | 172.4 | 132.3 |
| 42.5° | 115.2 | 139.7 | 128.3 | 136.4 | 117.6 |
| 45° | 91.5 | 113.5 | 113.5 | 113.5 | 92.3 |
| 47.5° | 50.6 | 76.0 | 97.2 | 77.6 | 53.9 |
| 50° | 28.6 | 38.4 | 75.2 | 40.0 | 30.2 |
| 52.5° | 19.6 | 22.1 | 51.5 | 22.9 | 20.4 |
| 55° | 14.7 | 15.5 | 27.8 | 16.3 | 15.5 |
| 57.5° | 11.4 | 12.3 | 14.7 | 12.3 | 11.4 |
| 60° | 9.0 | 9.0 | 10.6 | 9.8 | 9.0 |
| 62.5° | 6.5 | 6.5 | 7.4 | 6.5 | 6.5 |
| 65° | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 |
| 67.5° | 2.5 | 3.3 | 3.3 | 3.3 | 3.3 |
| 70° | 2.5 | 1.6 | 1.6 | 1.6 | 2.5 |
| 72.5° | 1.6 | 0.8 | 0.8 | 0.8 | 0.8 |
| 75° | 0.0 | 0.0 | 0.8 | 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

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





— 0°-180° - - 45°-225° - - - - 90°-270°

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)