

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: P793752

Luminaire Tested: LER6D55D010-EC6DR3055659035-6LBDP1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P793752
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: LER6D55D010-EC6DR3055659035-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6425.3 lumens
Efficiency: N/A
Efficacy: 110.4 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): 58.2
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

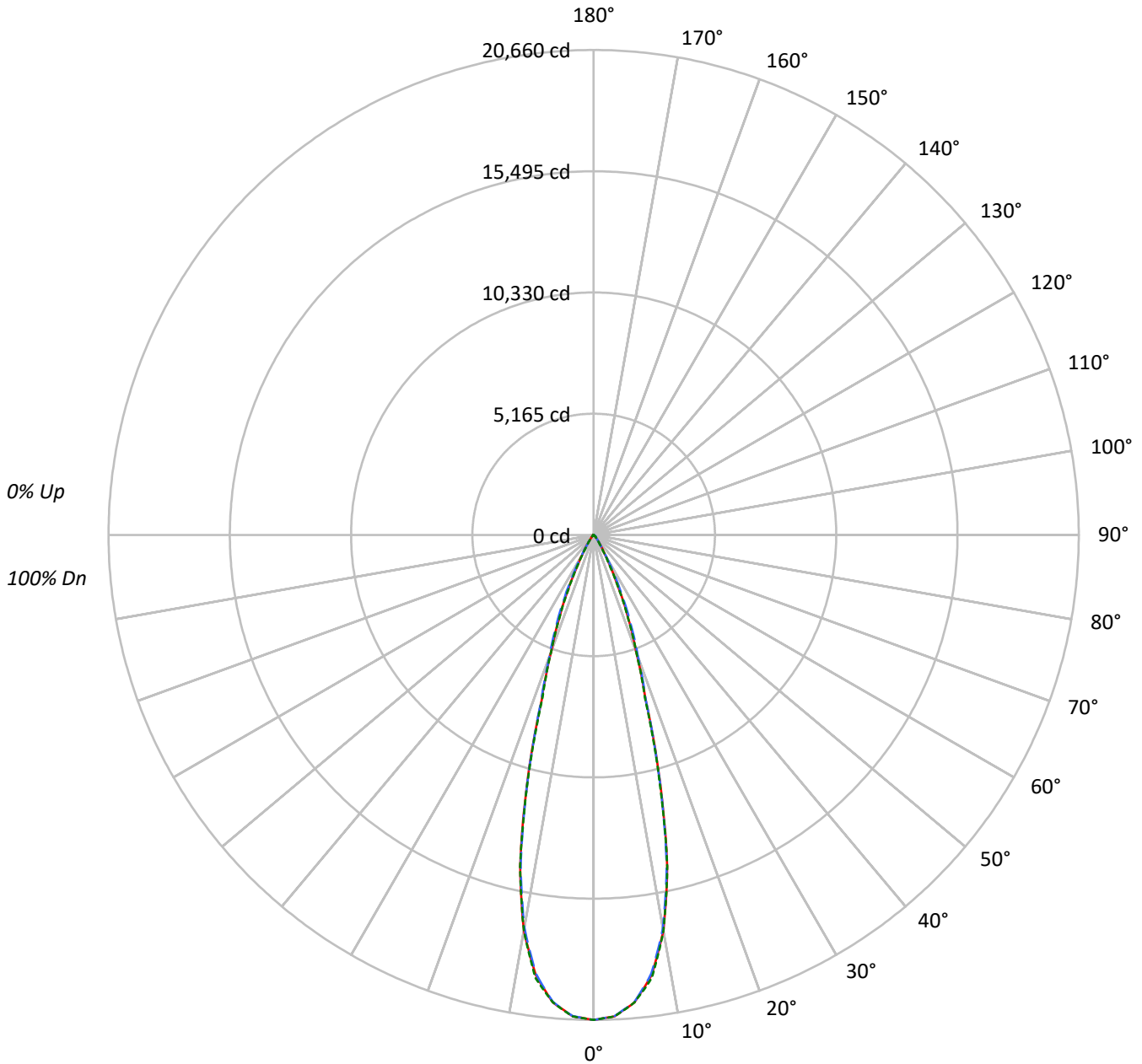


Downlight

TEST NUMBER: P793752

CATALOG NUMBER: LER6D55D010-EC6DR3055659035-6LBDP1H

Luminous Intensity Polar Plot





TEST NUMBER: P793752

CATALOG NUMBER: LER6D55D010-EC6DR3055659035-6LBDP1H

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° | 1581417 | 1581417 | 1581417 |
| 5° | 1536016 | 1534226 | 1536093 |
| 10° | 1330421 | 1321039 | 1330110 |
| 15° | 868034 | 863374 | 859032 |
| 20° | 431634 | 447828 | 431056 |
| 25° | 217424 | 245185 | 212973 |
| 30° | 87050 | 94854 | 75843 |
| 35° | 40376 | 38676 | 32415 |
| 40° | 17436 | 19355 | 16417 |
| 45° | 12297 | 15263 | 12405 |
| 50° | 4227 | 11110 | 4466 |
| 55° | 2442 | 4604 | 2576 |
| 60° | 1715 | 2021 | 1715 |
| 65° | 1105 | 1105 | 1105 |
| 70° | 671 | 448 | 671 |
| 75° | 0 | 296 | 0 |
| 80° | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 15263 cd/sqm



TEST NUMBER: P793752

CATALOG NUMBER: LER6D55D010-EC6DR3055659035-6LBDP1H

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 1816.8 | 28.3 |
| 10°-20° | 2925.9 | 45.5 |
| 20°-30° | 1264.4 | 19.7 |
| 30°-40° | 288.2 | 4.5 |
| 40°-50° | 98.9 | 1.5 |
| 50°-60° | 24.2 | 0.4 |
| 60°-70° | 6.3 | 0.1 |
| 70°-80° | 0.7 | 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° | 6007.0 | 93.5 |
| 0°-40° | 6295.2 | 98.0 |
| 0°-60° | 6418.3 | 99.9 |
| 0°-90° | 6425.3 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 6425.3 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-------|-------|-------|-------|-------|------|
| 0° | 20660 | 20660 | 20660 | 20660 | 20660 | |
| 5° | 19991 | 19972 | 19968 | 20009 | 19992 | 1818 |
| 15° | 10954 | 10822 | 10895 | 10860 | 10840 | 2933 |
| 25° | 2574 | 2672 | 2903 | 2604 | 2522 | 1232 |
| 35° | 432 | 441 | 414 | 411 | 347 | 293 |
| 45° | 114 | 141 | 141 | 141 | 115 | 81 |
| 55° | 18 | 19 | 34 | 20 | 19 | 18 |
| 65° | 6 | 6 | 6 | 6 | 6 | 6 |
| 75° | 0 | 0 | 1 | 0 | 0 | 1 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | 0 |



TEST NUMBER: P793752

CATALOG NUMBER: LER6D55D010-EC6DR3055659035-6LBDP1H

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|---------|---------|---------|---------|---------|
| 0° | 20660.4 | 20660.4 | 20660.4 | 20660.4 | 20660.4 |
| 2.5° | 20523.4 | 20509.2 | 20517.3 | 20527.5 | 20531.5 |
| 5° | 19990.9 | 19971.6 | 19967.6 | 20009.1 | 19991.9 |
| 7.5° | 18916.7 | 18889.3 | 18847.7 | 18942.0 | 19030.3 |
| 10° | 17117.2 | 17086.8 | 16996.5 | 17041.1 | 17113.2 |
| 12.5° | 14460.6 | 14362.2 | 14360.2 | 14502.2 | 14482.9 |
| 15° | 10954.0 | 10822.1 | 10895.2 | 10859.7 | 10840.4 |
| 17.5° | 7366.2 | 7315.5 | 7412.9 | 7383.5 | 7256.7 |
| 20° | 5299.0 | 5312.2 | 5497.8 | 5404.5 | 5291.9 |
| 22.5° | 3866.7 | 3914.4 | 4134.5 | 3894.1 | 3805.9 |
| 25° | 2574.4 | 2671.8 | 2903.1 | 2603.8 | 2521.7 |
| 27.5° | 1583.4 | 1628.0 | 1862.4 | 1563.1 | 1518.5 |
| 30° | 984.9 | 962.6 | 1073.2 | 921.0 | 858.1 |
| 32.5° | 646.1 | 617.7 | 653.2 | 586.3 | 535.6 |
| 35° | 432.1 | 441.2 | 413.9 | 410.8 | 346.9 |
| 37.5° | 269.8 | 310.4 | 273.9 | 292.1 | 223.2 |
| 40° | 174.5 | 225.2 | 193.7 | 214.0 | 164.3 |
| 42.5° | 143.0 | 173.5 | 159.3 | 169.4 | 146.1 |
| 45° | 113.6 | 141.0 | 141.0 | 141.0 | 114.6 |
| 47.5° | 62.9 | 94.3 | 120.7 | 96.4 | 66.9 |
| 50° | 35.5 | 47.7 | 93.3 | 49.7 | 37.5 |
| 52.5° | 24.3 | 27.4 | 63.9 | 28.4 | 25.4 |
| 55° | 18.3 | 19.3 | 34.5 | 20.3 | 19.3 |
| 57.5° | 14.2 | 15.2 | 18.3 | 15.2 | 14.2 |
| 60° | 11.2 | 11.2 | 13.2 | 12.2 | 11.2 |
| 62.5° | 8.1 | 8.1 | 9.1 | 8.1 | 8.1 |
| 65° | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 |
| 67.5° | 3.0 | 4.1 | 4.1 | 4.1 | 4.1 |
| 70° | 3.0 | 2.0 | 2.0 | 2.0 | 3.0 |
| 72.5° | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 75° | 0.0 | 0.0 | 1.0 | 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)