

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: P794731

Luminaire Tested: LER6D65D010-EC6DR3055659050-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P794731
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: LER6D65D010-EC6DR3055659050-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8130.4 lumens
Efficiency: N/A
Efficacy: 111.7 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): 72.8
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

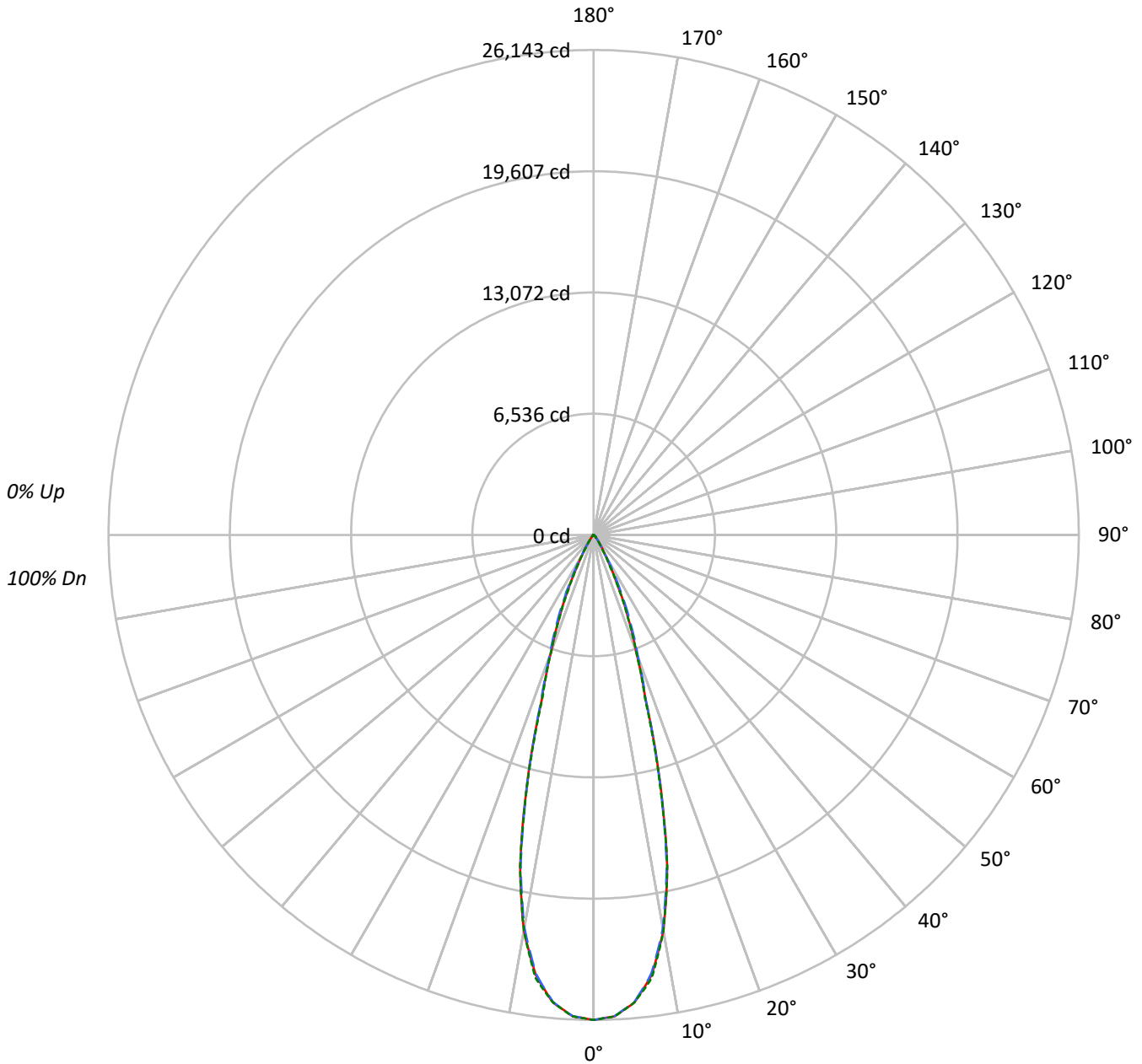


Downlight

TEST NUMBER: P794731

CATALOG NUMBER: LER6D65D010-EC6DR3055659050-6LBS1B

Luminous Intensity Polar Plot





TEST NUMBER: P794731

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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° | 2001082 | 2001082 | 2001082 |
| 5° | 1943630 | 1941364 | 1943730 |
| 10° | 1683483 | 1671607 | 1683079 |
| 15° | 1098387 | 1092491 | 1087000 |
| 20° | 546177 | 566672 | 545444 |
| 25° | 275125 | 310250 | 269492 |
| 30° | 110154 | 120026 | 95977 |
| 35° | 51094 | 48936 | 41021 |
| 40° | 22062 | 24500 | 20773 |
| 45° | 15566 | 19312 | 15696 |
| 50° | 5347 | 14063 | 5656 |
| 55° | 3083 | 5818 | 3256 |
| 60° | 2159 | 2557 | 2159 |
| 65° | 1395 | 1395 | 1395 |
| 70° | 873 | 582 | 873 |
| 75° | 0 | 384 | 0 |
| 80° | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 19312 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 2298.9 | 28.3 |
| 10°-20° | 3702.4 | 45.5 |
| 20°-30° | 1599.9 | 19.7 |
| 30°-40° | 364.7 | 4.5 |
| 40°-50° | 125.2 | 1.5 |
| 50°-60° | 30.6 | 0.4 |
| 60°-70° | 7.9 | 0.1 |
| 70°-80° | 0.8 | 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° | 7601.2 | 93.5 |
| 0°-40° | 7965.8 | 98.0 |
| 0°-60° | 8121.6 | 99.9 |
| 0°-90° | 8130.4 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 8130.4 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-------|-------|-------|-------|-------|------|
| 0° | 26143 | 26143 | 26143 | 26143 | 26143 | |
| 5° | 25296 | 25272 | 25266 | 25319 | 25297 | 2301 |
| 15° | 13861 | 13694 | 13786 | 13742 | 13717 | 3711 |
| 25° | 3258 | 3381 | 3674 | 3295 | 3191 | 1559 |
| 35° | 547 | 558 | 524 | 520 | 439 | 371 |
| 45° | 144 | 178 | 178 | 178 | 145 | 102 |
| 55° | 23 | 24 | 44 | 26 | 24 | 22 |
| 65° | 8 | 8 | 8 | 8 | 8 | 8 |
| 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° | 26143.1 | 26143.1 | 26143.1 | 26143.1 | 26143.1 |
| 2.5° | 25969.8 | 25951.8 | 25962.1 | 25974.9 | 25980.1 |
| 5° | 25295.9 | 25271.5 | 25266.4 | 25319.0 | 25297.2 |
| 7.5° | 23936.7 | 23902.0 | 23849.4 | 23968.8 | 24080.4 |
| 10° | 21659.7 | 21621.2 | 21506.9 | 21563.4 | 21654.5 |
| 12.5° | 18298.1 | 18173.6 | 18171.0 | 18350.7 | 18326.3 |
| 15° | 13860.9 | 13694.0 | 13786.5 | 13741.5 | 13717.2 |
| 17.5° | 9321.0 | 9256.9 | 9380.1 | 9342.9 | 9182.4 |
| 20° | 6705.2 | 6721.9 | 6956.8 | 6838.7 | 6696.2 |
| 22.5° | 4892.8 | 4953.2 | 5231.7 | 4927.5 | 4815.8 |
| 25° | 3257.6 | 3380.8 | 3673.5 | 3294.8 | 3190.9 |
| 27.5° | 2003.6 | 2060.1 | 2356.6 | 1977.9 | 1921.5 |
| 30° | 1246.3 | 1218.1 | 1358.0 | 1165.5 | 1085.9 |
| 32.5° | 817.6 | 781.7 | 826.6 | 741.9 | 677.7 |
| 35° | 546.8 | 558.3 | 523.7 | 519.8 | 439.0 |
| 37.5° | 341.4 | 392.8 | 346.6 | 369.7 | 282.4 |
| 40° | 220.8 | 284.9 | 245.2 | 270.8 | 207.9 |
| 42.5° | 181.0 | 219.5 | 201.5 | 214.4 | 184.8 |
| 45° | 143.8 | 178.4 | 178.4 | 178.4 | 145.0 |
| 47.5° | 79.6 | 119.4 | 152.7 | 121.9 | 84.7 |
| 50° | 44.9 | 60.3 | 118.1 | 62.9 | 47.5 |
| 52.5° | 30.8 | 34.7 | 80.9 | 35.9 | 32.1 |
| 55° | 23.1 | 24.4 | 43.6 | 25.7 | 24.4 |
| 57.5° | 18.0 | 19.3 | 23.1 | 19.3 | 18.0 |
| 60° | 14.1 | 14.1 | 16.7 | 15.4 | 14.1 |
| 62.5° | 10.3 | 10.3 | 11.6 | 10.3 | 10.3 |
| 65° | 7.7 | 7.7 | 7.7 | 7.7 | 7.7 |
| 67.5° | 3.9 | 5.1 | 5.1 | 5.1 | 5.1 |
| 70° | 3.9 | 2.6 | 2.6 | 2.6 | 3.9 |
| 72.5° | 2.6 | 1.3 | 1.3 | 1.3 | 1.3 |
| 75° | 0.0 | 0.0 | 1.3 | 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 |

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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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