

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: P785743

Luminaire Tested: LERS6D05D010-EC6DR300210IC9024-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P785743
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: LERS6D05D010-EC6DR300210IC9024-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 983.2 lumens
Efficiency: N/A
Efficacy: 131.1 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): 7.5
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

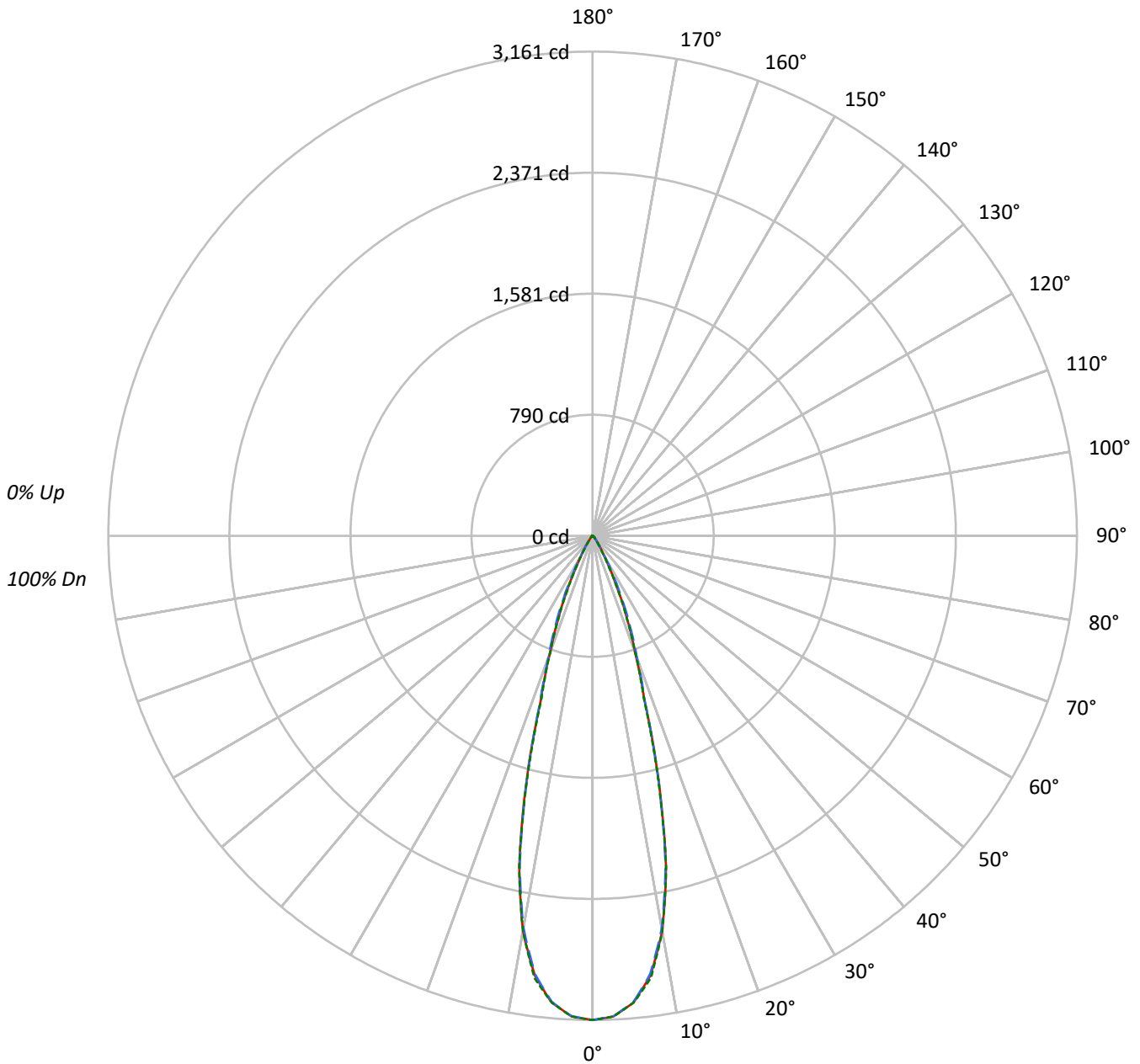


Downlight

TEST NUMBER: P785743

CATALOG NUMBER: LERS6D05D010-EC6DR300210IC9024-6LBS1MW

Luminous Intensity Polar Plot





TEST NUMBER: P785743

CATALOG NUMBER: LERS6D05D010-EC6DR300210IC9024-6LBS1MW

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 | | | | | | | | | | | | | | | | | | | |
| 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° | 241984 | 241984 | 241984 |
| 5° | 235041 | 234764 | 235048 |
| 10° | 203583 | 202145 | 203529 |
| 15° | 132828 | 132115 | 131449 |
| 20° | 66044 | 68529 | 65963 |
| 25° | 33267 | 37515 | 32592 |
| 30° | 13320 | 14513 | 11605 |
| 35° | 6177 | 5915 | 4962 |
| 40° | 2668 | 2958 | 2508 |
| 45° | 1884 | 2338 | 1894 |
| 50° | 643 | 1703 | 679 |
| 55° | 374 | 707 | 387 |
| 60° | 260 | 306 | 260 |
| 65° | 163 | 163 | 163 |
| 70° | 112 | 67 | 112 |
| 75° | 0 | 59 | 0 |
| 80° | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 2338 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 278.0 | 28.3 |
| 10°-20° | 447.7 | 45.5 |
| 20°-30° | 193.5 | 19.7 |
| 30°-40° | 44.1 | 4.5 |
| 40°-50° | 15.1 | 1.5 |
| 50°-60° | 3.7 | 0.4 |
| 60°-70° | 0.9 | 0.1 |
| 70°-80° | 0.1 | 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° | 919.2 | 93.5 |
| 0°-40° | 963.3 | 98.0 |
| 0°-60° | 982.1 | 99.9 |
| 0°-90° | 983.2 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 983.2 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 3161 | 3161 | 3161 | 3161 | 3161 | |
| 5° | 3059 | 3056 | 3055 | 3062 | 3059 | 278 |
| 15° | 1676 | 1656 | 1667 | 1662 | 1659 | 449 |
| 25° | 394 | 409 | 444 | 398 | 386 | 189 |
| 35° | 66 | 68 | 63 | 63 | 53 | 45 |
| 45° | 17 | 22 | 22 | 22 | 18 | 12 |
| 55° | 3 | 3 | 5 | 3 | 3 | 3 |
| 65° | 1 | 1 | 1 | 1 | 1 | 1 |
| 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° | 3161.4 | 3161.4 | 3161.4 | 3161.4 | 3161.4 |
| 2.5° | 3140.5 | 3138.3 | 3139.5 | 3141.1 | 3141.7 |
| 5° | 3059.0 | 3056.0 | 3055.4 | 3061.8 | 3059.1 |
| 7.5° | 2894.6 | 2890.4 | 2884.0 | 2898.5 | 2912.0 |
| 10° | 2619.3 | 2614.6 | 2600.8 | 2607.6 | 2618.6 |
| 12.5° | 2212.7 | 2197.7 | 2197.4 | 2219.1 | 2216.2 |
| 15° | 1676.2 | 1656.0 | 1667.2 | 1661.7 | 1658.8 |
| 17.5° | 1127.2 | 1119.4 | 1134.3 | 1129.8 | 1110.4 |
| 20° | 810.8 | 812.9 | 841.3 | 827.0 | 809.8 |
| 22.5° | 591.7 | 599.0 | 632.7 | 595.9 | 582.4 |
| 25° | 393.9 | 408.8 | 444.2 | 398.4 | 385.9 |
| 27.5° | 242.3 | 249.1 | 285.0 | 239.2 | 232.4 |
| 30° | 150.7 | 147.3 | 164.2 | 140.9 | 131.3 |
| 32.5° | 98.9 | 94.5 | 100.0 | 89.7 | 82.0 |
| 35° | 66.1 | 67.5 | 63.3 | 62.9 | 53.1 |
| 37.5° | 41.3 | 47.5 | 41.9 | 44.7 | 34.1 |
| 40° | 26.7 | 34.5 | 29.6 | 32.8 | 25.1 |
| 42.5° | 21.9 | 26.5 | 24.4 | 25.9 | 22.4 |
| 45° | 17.4 | 21.6 | 21.6 | 21.6 | 17.5 |
| 47.5° | 9.6 | 14.4 | 18.5 | 14.7 | 10.2 |
| 50° | 5.4 | 7.3 | 14.3 | 7.6 | 5.7 |
| 52.5° | 3.7 | 4.2 | 9.8 | 4.3 | 3.9 |
| 55° | 2.8 | 2.9 | 5.3 | 3.1 | 2.9 |
| 57.5° | 2.2 | 2.3 | 2.8 | 2.3 | 2.2 |
| 60° | 1.7 | 1.7 | 2.0 | 1.9 | 1.7 |
| 62.5° | 1.2 | 1.2 | 1.4 | 1.2 | 1.2 |
| 65° | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| 67.5° | 0.5 | 0.6 | 0.6 | 0.6 | 0.6 |
| 70° | 0.5 | 0.3 | 0.3 | 0.3 | 0.5 |
| 72.5° | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 |
| 75° | 0.0 | 0.0 | 0.2 | 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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