

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: P787718

Luminaire Tested: LER6D05D010-EC6DR300210IC9030-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P787718
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: LER6D05D010-EC6DR300210IC9030-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1126.9 lumens
Efficiency: N/A
Efficacy: 150.3 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

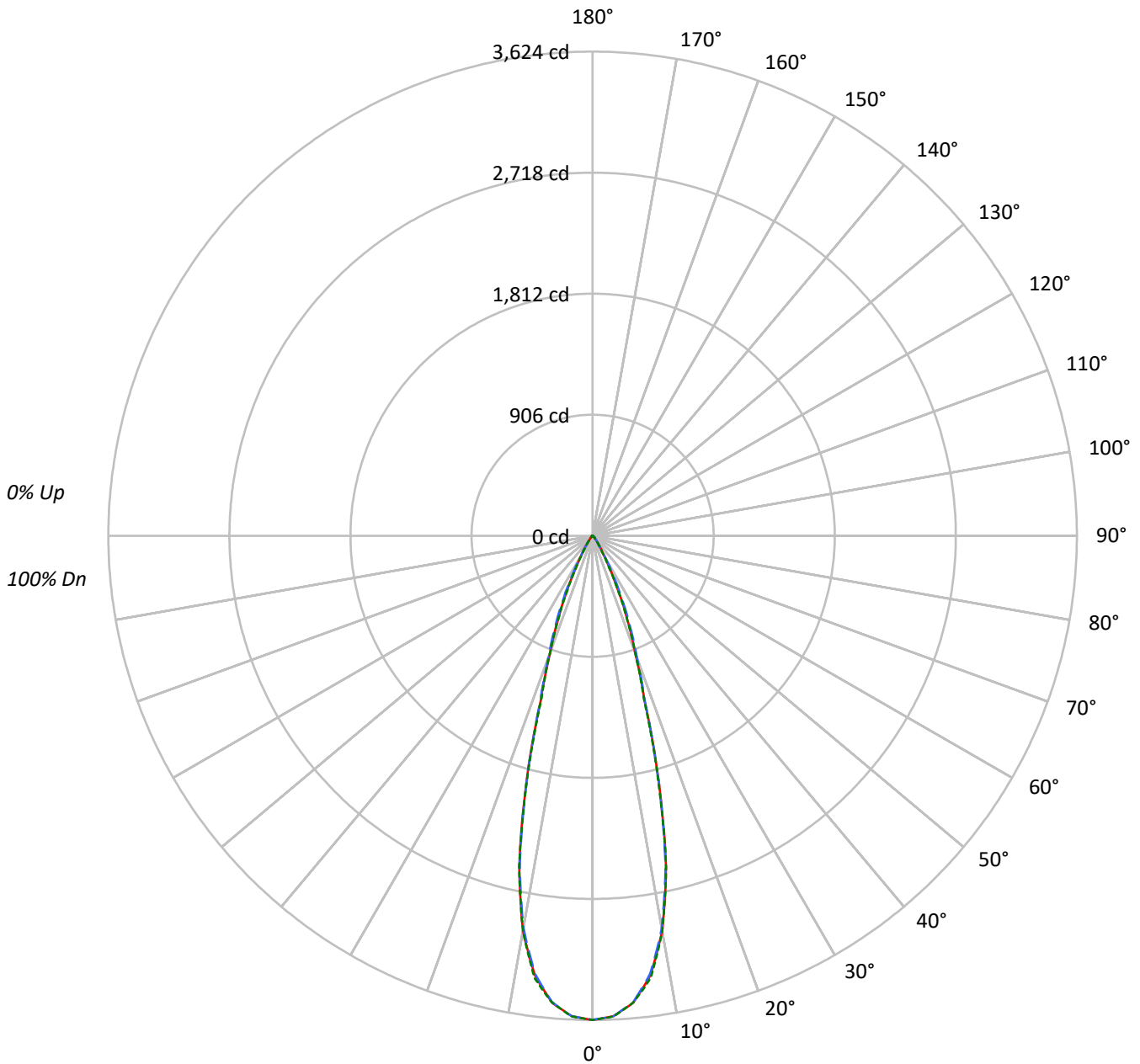


Downlight

TEST NUMBER: P787718

CATALOG NUMBER: LER6D05D010-EC6DR300210IC9030-6LBS1MW

Luminous Intensity Polar Plot





TEST NUMBER: P787718

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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 | 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° | 277370 | 277370 | 277370 |
| 5° | 269409 | 269094 | 269417 |
| 10° | 233344 | 231704 | 233289 |
| 15° | 152251 | 151427 | 150666 |
| 20° | 75705 | 78548 | 75607 |
| 25° | 38132 | 43005 | 37355 |
| 30° | 15273 | 16634 | 13302 |
| 35° | 7083 | 6784 | 5681 |
| 40° | 3058 | 3397 | 2878 |
| 45° | 2154 | 2674 | 2176 |
| 50° | 738 | 1953 | 786 |
| 55° | 427 | 801 | 454 |
| 60° | 306 | 352 | 306 |
| 65° | 199 | 199 | 199 |
| 70° | 112 | 90 | 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: 2674 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 318.6 | 28.3 |
| 10°-20° | 513.2 | 45.5 |
| 20°-30° | 221.8 | 19.7 |
| 30°-40° | 50.5 | 4.5 |
| 40°-50° | 17.3 | 1.5 |
| 50°-60° | 4.2 | 0.4 |
| 60°-70° | 1.1 | 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° | 1053.6 | 93.5 |
| 0°-40° | 1104.1 | 98.0 |
| 0°-60° | 1125.7 | 99.9 |
| 0°-90° | 1126.9 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1126.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 3624 | 3624 | 3624 | 3624 | 3624 | |
| 5° | 3506 | 3503 | 3502 | 3510 | 3506 | 319 |
| 15° | 1921 | 1898 | 1911 | 1905 | 1901 | 514 |
| 25° | 452 | 469 | 509 | 457 | 442 | 216 |
| 35° | 76 | 77 | 73 | 72 | 61 | 51 |
| 45° | 20 | 25 | 25 | 25 | 20 | 14 |
| 55° | 3 | 3 | 6 | 4 | 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° | 3623.7 | 3623.7 | 3623.7 | 3623.7 | 3623.7 |
| 2.5° | 3599.7 | 3597.2 | 3598.6 | 3600.4 | 3601.1 |
| 5° | 3506.3 | 3502.9 | 3502.2 | 3509.5 | 3506.4 |
| 7.5° | 3317.9 | 3313.0 | 3305.8 | 3322.3 | 3337.8 |
| 10° | 3002.2 | 2996.9 | 2981.1 | 2988.9 | 3001.5 |
| 12.5° | 2536.3 | 2519.0 | 2518.7 | 2543.6 | 2540.2 |
| 15° | 1921.3 | 1898.1 | 1910.9 | 1904.7 | 1901.3 |
| 17.5° | 1292.0 | 1283.1 | 1300.2 | 1295.0 | 1272.8 |
| 20° | 929.4 | 931.7 | 964.3 | 947.9 | 928.2 |
| 22.5° | 678.2 | 686.6 | 725.2 | 683.0 | 667.5 |
| 25° | 451.5 | 468.6 | 509.2 | 456.7 | 442.3 |
| 27.5° | 277.7 | 285.5 | 326.6 | 274.2 | 266.3 |
| 30° | 172.8 | 168.8 | 188.2 | 161.5 | 150.5 |
| 32.5° | 113.3 | 108.3 | 114.6 | 102.8 | 93.9 |
| 35° | 75.8 | 77.4 | 72.6 | 72.1 | 60.8 |
| 37.5° | 47.3 | 54.4 | 48.0 | 51.2 | 39.1 |
| 40° | 30.6 | 39.5 | 34.0 | 37.5 | 28.8 |
| 42.5° | 25.1 | 30.4 | 27.9 | 29.7 | 25.6 |
| 45° | 19.9 | 24.7 | 24.7 | 24.7 | 20.1 |
| 47.5° | 11.0 | 16.5 | 21.2 | 16.9 | 11.7 |
| 50° | 6.2 | 8.4 | 16.4 | 8.7 | 6.6 |
| 52.5° | 4.3 | 4.8 | 11.2 | 5.0 | 4.4 |
| 55° | 3.2 | 3.4 | 6.0 | 3.6 | 3.4 |
| 57.5° | 2.5 | 2.7 | 3.2 | 2.7 | 2.5 |
| 60° | 2.0 | 2.0 | 2.3 | 2.1 | 2.0 |
| 62.5° | 1.4 | 1.4 | 1.6 | 1.4 | 1.4 |
| 65° | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 67.5° | 0.5 | 0.7 | 0.7 | 0.7 | 0.7 |
| 70° | 0.5 | 0.4 | 0.4 | 0.4 | 0.5 |
| 72.5° | 0.4 | 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 |

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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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