

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: P788212

Luminaire Tested: LER6D08D010-EC6DR150210IC9040-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P788212
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D08D010-EC6DR150210IC9040-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 896.7 lumens
Efficiency: N/A
Efficacy: 100.7 lumens/watt
Spacing Criteria (0/90/45): 0.22 / 0.22 / 0.23
Luminous Opening: Vertical Cylinder (Dia: 0.35' x H: 0.35')
CIE Type: Direct

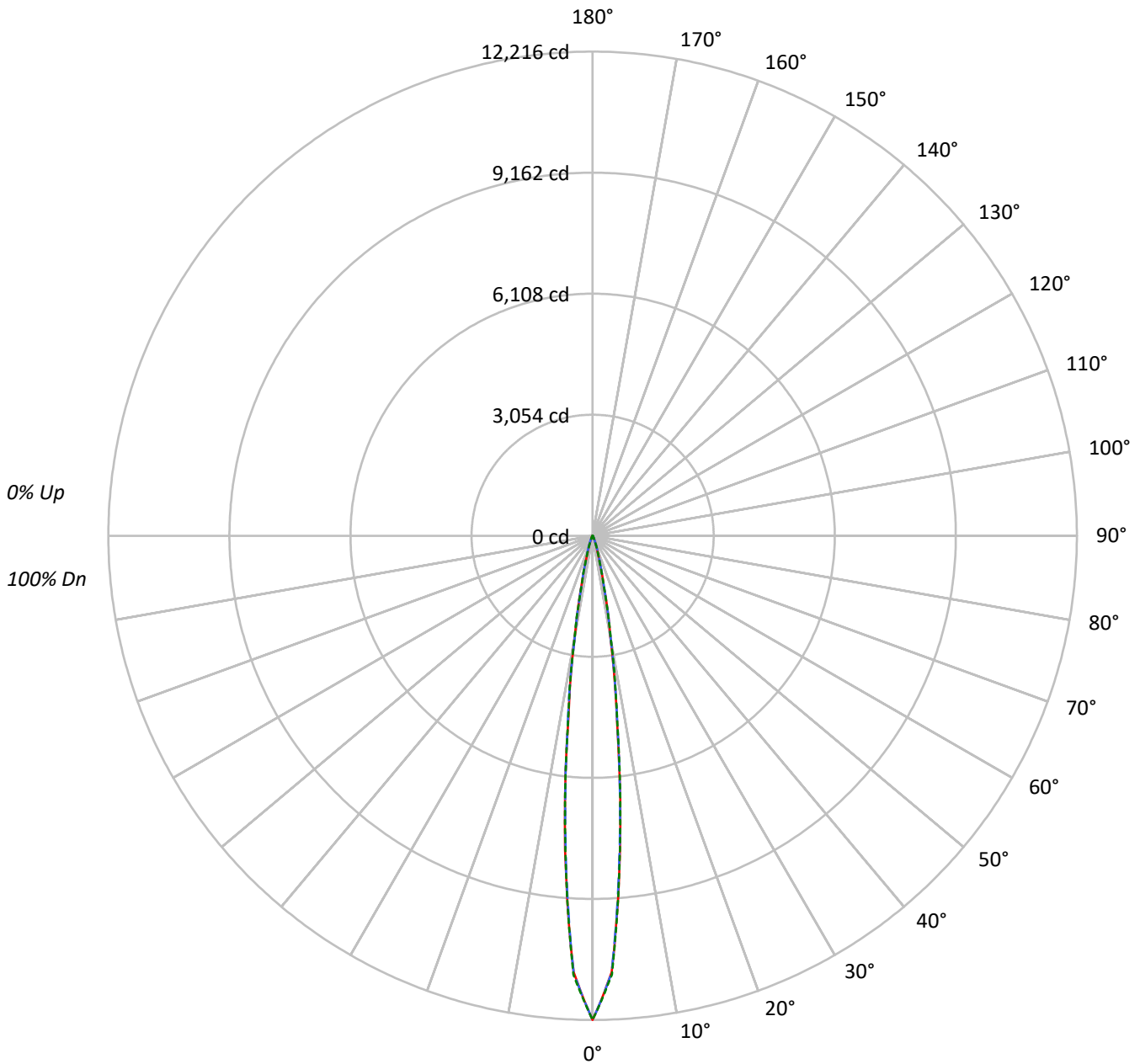
Input Watts (W): 8.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P788212
CATALOG NUMBER: LER6D08D010-EC6DR150210IC9040-6LBS1H

Luminous Intensity Polar Plot





TEST NUMBER: P788212

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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 | 116 | 114 | 112 | 111 | 113 | 112 | 110 | 109 | 108 | 107 | 106 | 104 | 103 | 103 | 101 | 100 | 100 | 98 | | | | | | 98 | | | | | | | | | | | | | |
| 2 | 113 | 110 | 107 | 105 | 111 | 108 | 106 | 104 | 105 | 103 | 102 | 102 | 101 | 100 | 100 | 98 | 98 | 96 | | | | | | 96 | | | | | | | | | | | | | |
| 3 | 110 | 106 | 103 | 101 | 108 | 105 | 102 | 100 | 103 | 100 | 99 | 100 | 99 | 97 | 98 | 97 | 96 | 94 | | | | | | 94 | | | | | | | | | | | | | |
| 4 | 108 | 103 | 100 | 98 | 106 | 102 | 99 | 97 | 100 | 98 | 96 | 99 | 97 | 95 | 97 | 95 | 94 | 93 | | | | | | 93 | | | | | | | | | | | | | |
| 5 | 106 | 101 | 98 | 95 | 104 | 100 | 97 | 95 | 98 | 96 | 94 | 97 | 95 | 93 | 96 | 94 | 92 | 92 | | | | | | 92 | | | | | | | | | | | | | |
| 6 | 104 | 99 | 95 | 93 | 102 | 98 | 95 | 93 | 97 | 94 | 92 | 96 | 93 | 92 | 95 | 93 | 91 | 90 | | | | | | 90 | | | | | | | | | | | | | |
| 7 | 102 | 97 | 94 | 91 | 101 | 96 | 93 | 91 | 95 | 93 | 91 | 94 | 92 | 90 | 93 | 91 | 90 | 89 | | | | | | 89 | | | | | | | | | | | | | |
| 8 | 100 | 95 | 92 | 90 | 99 | 95 | 92 | 90 | 94 | 91 | 89 | 93 | 91 | 89 | 92 | 90 | 89 | 88 | | | | | | 88 | | | | | | | | | | | | | |
| 9 | 99 | 93 | 90 | 88 | 98 | 93 | 90 | 88 | 92 | 90 | 88 | 92 | 89 | 88 | 91 | 89 | 87 | 87 | | | | | | 87 | | | | | | | | | | | | | |
| 10 | 97 | 92 | 89 | 87 | 96 | 92 | 89 | 87 | 91 | 89 | 87 | 91 | 88 | 87 | 90 | 88 | 86 | 86 | | | | | | 86 | | | | | | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|---------|---------|---------|
| 0° | 1374600 | 1374600 | 1374600 |
| 5° | 807777 | 797319 | 803620 |
| 10° | 241088 | 242777 | 246491 |
| 15° | 59966 | 61139 | 59245 |
| 20° | 17944 | 20775 | 18320 |
| 25° | 6326 | 8055 | 6403 |
| 30° | 2321 | 3063 | 2359 |
| 35° | 1162 | 1314 | 1126 |
| 40° | 731 | 810 | 731 |
| 45° | 546 | 581 | 546 |
| 50° | 431 | 431 | 431 |
| 55° | 362 | 362 | 362 |
| 60° | 288 | 288 | 288 |
| 65° | 221 | 221 | 221 |
| 70° | 190 | 190 | 190 |
| 75° | 121 | 121 | 159 |
| 80° | 79 | 79 | 79 |
| 85° | 42 | 42 | 42 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 581 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 581.5 | 64.9 |
| 10°-20° | 239.2 | 26.7 |
| 20°-30° | 47.5 | 5.3 |
| 30°-40° | 11.9 | 1.3 |
| 40°-50° | 6.2 | 0.7 |
| 50°-60° | 4.6 | 0.5 |
| 60°-70° | 3.3 | 0.4 |
| 70°-80° | 1.9 | 0.2 |
| 80°-90° | 0.5 | 0.1 |
| 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° | 868.2 | 96.8 |
| 0°-40° | 880.1 | 98.2 |
| 0°-60° | 891.0 | 99.4 |
| 0°-90° | 896.7 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 896.7 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-------|-------|-------|-------|-------|------|
| 0° | 12216 | 12216 | 12216 | 12216 | 12216 | |
| 5° | 7948 | 7867 | 7845 | 7900 | 7907 | 580 |
| 15° | 690 | 703 | 704 | 691 | 682 | 237 |
| 25° | 81 | 92 | 103 | 92 | 82 | 43 |
| 35° | 16 | 17 | 18 | 17 | 16 | 11 |
| 45° | 8 | 8 | 8 | 8 | 8 | 6 |
| 55° | 5 | 5 | 5 | 5 | 5 | 5 |
| 65° | 3 | 3 | 3 | 3 | 3 | 3 |
| 75° | 2 | 2 | 2 | 2 | 2 | 2 |
| 85° | 0 | 0 | 0 | 0 | 0 | 1 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P788212

CATALOG NUMBER: LER6D08D010-EC6DR150210IC9040-6LBS1H

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|---------|---------|---------|---------|---------|
| 0° | 12216.5 | 12216.5 | 12216.5 | 12216.5 | 12216.5 |
| 2.5° | 11019.7 | 11029.1 | 11032.7 | 11043.5 | 11083.9 |
| 5° | 7948.3 | 7866.6 | 7845.4 | 7899.7 | 7907.4 |
| 7.5° | 4708.3 | 4724.8 | 4785.3 | 4798.8 | 4750.2 |
| 10° | 2583.8 | 2605.0 | 2601.9 | 2620.5 | 2641.7 |
| 12.5° | 1321.4 | 1304.8 | 1299.6 | 1320.8 | 1291.4 |
| 15° | 690.4 | 703.3 | 703.9 | 691.4 | 682.1 |
| 17.5° | 371.3 | 386.3 | 411.1 | 391.0 | 359.9 |
| 20° | 219.3 | 232.7 | 253.9 | 237.4 | 223.9 |
| 22.5° | 135.5 | 146.4 | 161.4 | 148.4 | 137.6 |
| 25° | 81.2 | 92.1 | 103.4 | 91.5 | 82.2 |
| 27.5° | 48.1 | 57.4 | 64.6 | 56.9 | 47.6 |
| 30° | 31.0 | 36.2 | 40.9 | 35.7 | 31.5 |
| 32.5° | 21.7 | 23.8 | 25.9 | 23.8 | 21.7 |
| 35° | 16.0 | 17.1 | 18.1 | 17.1 | 15.5 |
| 37.5° | 12.4 | 13.4 | 14.0 | 12.9 | 11.9 |
| 40° | 10.3 | 10.9 | 11.4 | 10.9 | 10.3 |
| 42.5° | 8.8 | 9.3 | 9.3 | 9.3 | 8.8 |
| 45° | 7.8 | 7.8 | 8.3 | 7.8 | 7.8 |
| 47.5° | 6.7 | 6.7 | 7.2 | 6.7 | 6.7 |
| 50° | 6.2 | 6.2 | 6.2 | 6.2 | 6.2 |
| 52.5° | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 |
| 55° | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 |
| 57.5° | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 |
| 60° | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 |
| 62.5° | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 |
| 65° | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| 67.5° | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| 70° | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 |
| 72.5° | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 |
| 75° | 1.6 | 1.6 | 1.6 | 1.6 | 2.1 |
| 77.5° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 80° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 82.5° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 85° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 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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