

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: P785686

Luminaire Tested: LERS6D05D010-EC6DR150210IC9040-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P785686
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: LERS6D05D010-EC6DR150210IC9040-6LBS1LI
Description: 6 INCH ROUND SHALLOW 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: 800.2 lumens
Efficiency: N/A
Efficacy: 106.7 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): 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

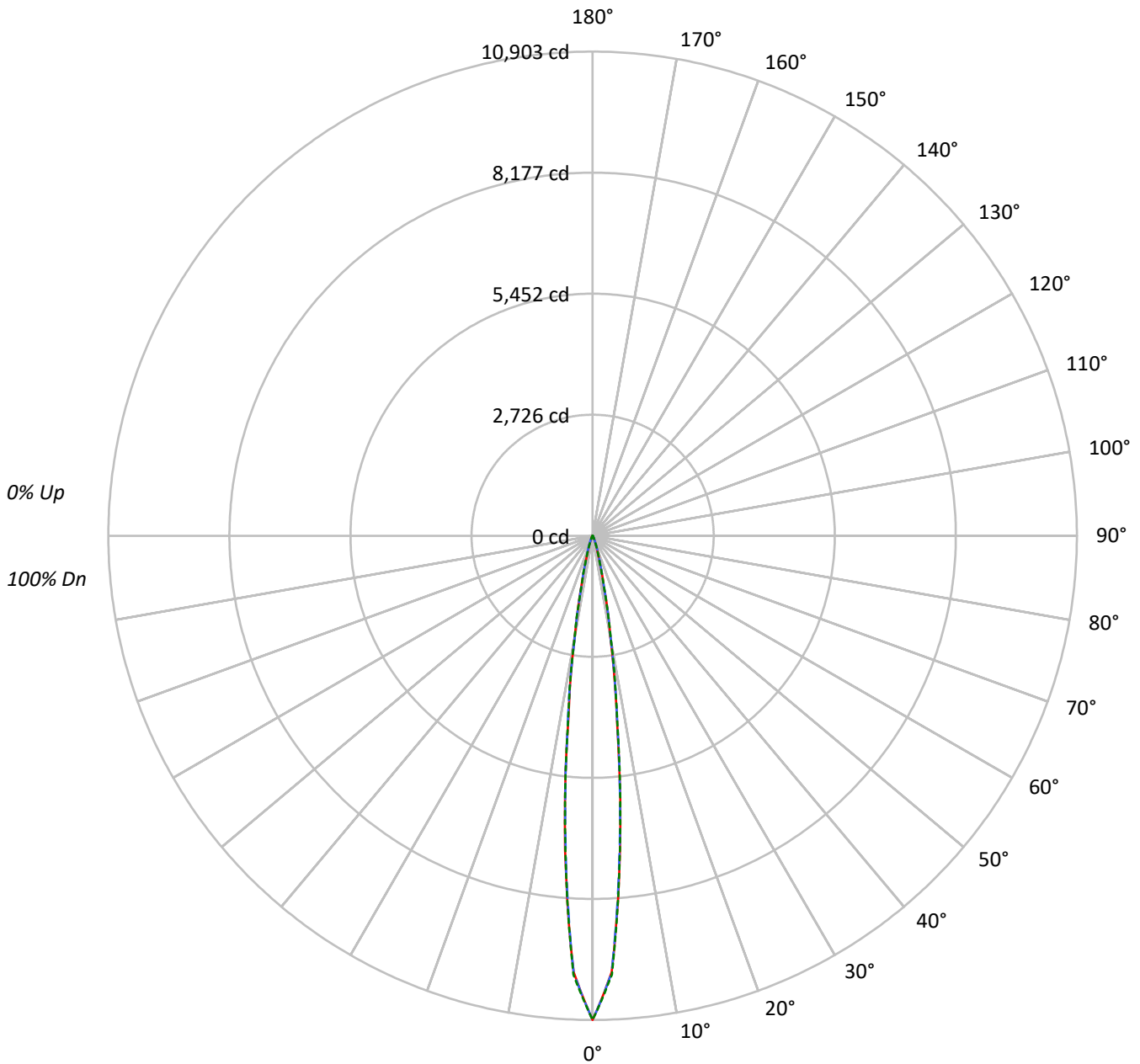


Downlight

TEST NUMBER: P785686

CATALOG NUMBER: LERS6D05D010-EC6DR150210IC9040-6LBS1LI

Luminous Intensity Polar Plot





TEST NUMBER: P785686

CATALOG NUMBER: LERS6D05D010-EC6DR150210IC9040-6LBS1LI

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 | 88 | 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° | 1226828 | 1226828 | 1226828 |
| 5° | 720945 | 711606 | 717236 |
| 10° | 215167 | 216679 | 219991 |
| 15° | 53521 | 54563 | 52878 |
| 20° | 16013 | 18541 | 16356 |
| 25° | 5648 | 7190 | 5718 |
| 30° | 2074 | 2733 | 2112 |
| 35° | 1038 | 1176 | 1002 |
| 40° | 653 | 724 | 653 |
| 45° | 483 | 518 | 483 |
| 50° | 382 | 382 | 382 |
| 55° | 320 | 320 | 320 |
| 60° | 260 | 260 | 260 |
| 65° | 200 | 200 | 200 |
| 70° | 168 | 168 | 168 |
| 75° | 106 | 106 | 136 |
| 80° | 71 | 71 | 71 |
| 85° | 42 | 42 | 42 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 518 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 519.0 | 64.9 |
| 10°-20° | 213.5 | 26.7 |
| 20°-30° | 42.4 | 5.3 |
| 30°-40° | 10.6 | 1.3 |
| 40°-50° | 5.6 | 0.7 |
| 50°-60° | 4.1 | 0.5 |
| 60°-70° | 2.9 | 0.4 |
| 70°-80° | 1.6 | 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° | 774.9 | 96.8 |
| 0°-40° | 785.5 | 98.2 |
| 0°-60° | 795.2 | 99.4 |
| 0°-90° | 800.2 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 800.2 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-------|-------|-------|-------|-------|------|
| 0° | 10903 | 10903 | 10903 | 10903 | 10903 | |
| 5° | 7094 | 7021 | 7002 | 7050 | 7057 | 518 |
| 15° | 616 | 628 | 628 | 617 | 609 | 211 |
| 25° | 72 | 82 | 92 | 82 | 73 | 38 |
| 35° | 14 | 15 | 16 | 15 | 14 | 10 |
| 45° | 7 | 7 | 7 | 7 | 7 | 5 |
| 55° | 5 | 5 | 5 | 5 | 5 | 4 |
| 65° | 3 | 3 | 3 | 3 | 3 | 3 |
| 75° | 1 | 1 | 1 | 1 | 2 | 2 |
| 85° | 0 | 0 | 0 | 0 | 0 | 1 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|---------|---------|---------|---------|---------|
| 0° | 10903.2 | 10903.2 | 10903.2 | 10903.2 | 10903.2 |
| 2.5° | 9835.1 | 9843.4 | 9846.7 | 9856.4 | 9892.4 |
| 5° | 7093.9 | 7020.9 | 7002.0 | 7050.5 | 7057.4 |
| 7.5° | 4202.1 | 4216.9 | 4270.9 | 4282.9 | 4239.5 |
| 10° | 2306.0 | 2324.9 | 2322.2 | 2338.8 | 2357.7 |
| 12.5° | 1179.3 | 1164.5 | 1159.9 | 1178.8 | 1152.5 |
| 15° | 616.2 | 627.7 | 628.2 | 617.1 | 608.8 |
| 17.5° | 331.4 | 344.8 | 366.9 | 348.9 | 321.3 |
| 20° | 195.7 | 207.7 | 226.6 | 211.9 | 199.9 |
| 22.5° | 120.9 | 130.6 | 144.0 | 132.5 | 122.8 |
| 25° | 72.5 | 82.2 | 92.3 | 81.7 | 73.4 |
| 27.5° | 42.9 | 51.2 | 57.7 | 50.8 | 42.5 |
| 30° | 27.7 | 32.3 | 36.5 | 31.8 | 28.2 |
| 32.5° | 19.4 | 21.2 | 23.1 | 21.2 | 19.4 |
| 35° | 14.3 | 15.2 | 16.2 | 15.2 | 13.8 |
| 37.5° | 11.1 | 12.0 | 12.5 | 11.5 | 10.6 |
| 40° | 9.2 | 9.7 | 10.2 | 9.7 | 9.2 |
| 42.5° | 7.8 | 8.3 | 8.3 | 8.3 | 7.8 |
| 45° | 6.9 | 6.9 | 7.4 | 6.9 | 6.9 |
| 47.5° | 6.0 | 6.0 | 6.5 | 6.0 | 6.0 |
| 50° | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 |
| 52.5° | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 |
| 55° | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 |
| 57.5° | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 |
| 60° | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 |
| 62.5° | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| 65° | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 |
| 67.5° | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 |
| 70° | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 |
| 72.5° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 75° | 1.4 | 1.4 | 1.4 | 1.4 | 1.8 |
| 77.5° | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 80° | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| 82.5° | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| 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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