

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: P789465

Luminaire Tested: LER6D15D010-EC6DR1515309050-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P789465
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: LER6D15D010-EC6DR1515309050-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1493.9 lumens
Efficiency: N/A
Efficacy: 94.6 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

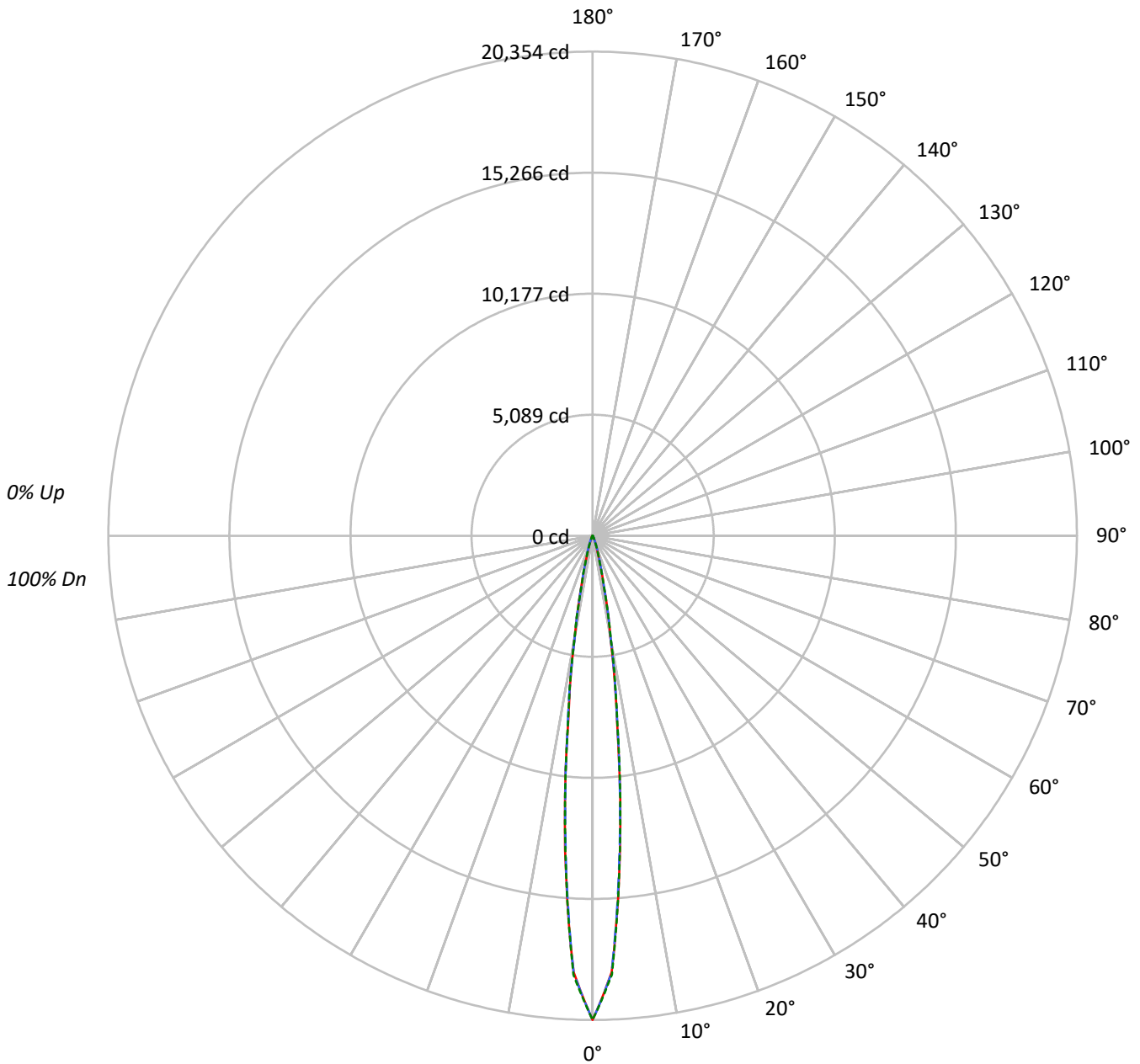
Input Watts (W): 15.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P789465
CATALOG NUMBER: LER6D15D010-EC6DR1515309050-6LBS1B

Luminous Intensity Polar Plot





TEST NUMBER: P789465

CATALOG NUMBER: LER6D15D010-EC6DR1515309050-6LBS1B

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° | 2290242 | 2290242 | 2290242 |
| 5° | 1345861 | 1328432 | 1338940 |
| 10° | 401680 | 404488 | 410684 |
| 15° | 99911 | 101857 | 98713 |
| 20° | 29890 | 34619 | 30528 |
| 25° | 10540 | 13422 | 10672 |
| 30° | 3871 | 5099 | 3939 |
| 35° | 1939 | 2193 | 1874 |
| 40° | 1221 | 1349 | 1221 |
| 45° | 903 | 966 | 903 |
| 50° | 716 | 716 | 716 |
| 55° | 599 | 599 | 599 |
| 60° | 484 | 484 | 484 |
| 65° | 371 | 371 | 371 |
| 70° | 314 | 314 | 314 |
| 75° | 197 | 197 | 257 |
| 80° | 134 | 134 | 134 |
| 85° | 75 | 75 | 75 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 966 cd/sqm



TEST NUMBER: P789465

CATALOG NUMBER: LER6D15D010-EC6DR1515309050-6LBS1B

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 968.9 | 64.9 |
| 10°-20° | 398.5 | 26.7 |
| 20°-30° | 79.2 | 5.3 |
| 30°-40° | 19.8 | 1.3 |
| 40°-50° | 10.4 | 0.7 |
| 50°-60° | 7.7 | 0.5 |
| 60°-70° | 5.4 | 0.4 |
| 70°-80° | 3.1 | 0.2 |
| 80°-90° | 0.9 | 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° | 1446.6 | 96.8 |
| 0°-40° | 1466.3 | 98.2 |
| 0°-60° | 1484.4 | 99.4 |
| 0°-90° | 1493.9 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1493.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-------|-------|-------|-------|-------|------|
| 0° | 20354 | 20354 | 20354 | 20354 | 20354 | |
| 5° | 13243 | 13107 | 13071 | 13162 | 13175 | 967 |
| 15° | 1150 | 1172 | 1173 | 1152 | 1136 | 394 |
| 25° | 135 | 153 | 172 | 152 | 137 | 71 |
| 35° | 27 | 28 | 30 | 28 | 26 | 18 |
| 45° | 13 | 13 | 14 | 13 | 13 | 10 |
| 55° | 9 | 9 | 9 | 9 | 9 | 8 |
| 65° | 5 | 5 | 5 | 5 | 5 | 5 |
| 75° | 3 | 3 | 3 | 3 | 3 | 3 |
| 85° | 1 | 1 | 1 | 1 | 1 | 1 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P789465

CATALOG NUMBER: LER6D15D010-EC6DR1515309050-6LBS1B

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|---------|---------|---------|---------|---------|
| 0° | 20354.1 | 20354.1 | 20354.1 | 20354.1 | 20354.1 |
| 2.5° | 18360.2 | 18375.8 | 18381.8 | 18399.9 | 18467.1 |
| 5° | 13242.9 | 13106.7 | 13071.4 | 13161.9 | 13174.8 |
| 7.5° | 7844.6 | 7872.1 | 7972.9 | 7995.3 | 7914.3 |
| 10° | 4304.9 | 4340.2 | 4335.0 | 4366.0 | 4401.4 |
| 12.5° | 2201.5 | 2174.0 | 2165.4 | 2200.7 | 2151.6 |
| 15° | 1150.3 | 1171.9 | 1172.7 | 1152.0 | 1136.5 |
| 17.5° | 618.7 | 643.7 | 685.0 | 651.4 | 599.7 |
| 20° | 365.3 | 387.7 | 423.1 | 395.5 | 373.1 |
| 22.5° | 225.8 | 243.8 | 268.8 | 247.3 | 229.2 |
| 25° | 135.3 | 153.4 | 172.3 | 152.5 | 137.0 |
| 27.5° | 80.1 | 95.6 | 107.7 | 94.8 | 79.3 |
| 30° | 51.7 | 60.3 | 68.1 | 59.5 | 52.6 |
| 32.5° | 36.2 | 39.6 | 43.1 | 39.6 | 36.2 |
| 35° | 26.7 | 28.4 | 30.2 | 28.4 | 25.8 |
| 37.5° | 20.7 | 22.4 | 23.3 | 21.5 | 19.8 |
| 40° | 17.2 | 18.1 | 19.0 | 18.1 | 17.2 |
| 42.5° | 14.6 | 15.5 | 15.5 | 15.5 | 14.6 |
| 45° | 12.9 | 12.9 | 13.8 | 12.9 | 12.9 |
| 47.5° | 11.2 | 11.2 | 12.1 | 11.2 | 11.2 |
| 50° | 10.3 | 10.3 | 10.3 | 10.3 | 10.3 |
| 52.5° | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 |
| 55° | 8.6 | 8.6 | 8.6 | 8.6 | 8.6 |
| 57.5° | 7.8 | 7.8 | 7.8 | 7.8 | 7.8 |
| 60° | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 |
| 62.5° | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 |
| 65° | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 |
| 67.5° | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 |
| 70° | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 |
| 72.5° | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 |
| 75° | 2.6 | 2.6 | 2.6 | 2.6 | 3.4 |
| 77.5° | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 |
| 80° | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| 82.5° | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| 85° | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| 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

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





— 0°-180° - - 45°-225° - - - - 90°-270°

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)