

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: P757947

Luminaire Tested: LD6D05D010-EU6DR150210IC9035-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P757947
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: LD6D05D010-EU6DR150210IC9035-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 778.6 lumens
Efficiency: N/A
Efficacy: 103.8 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

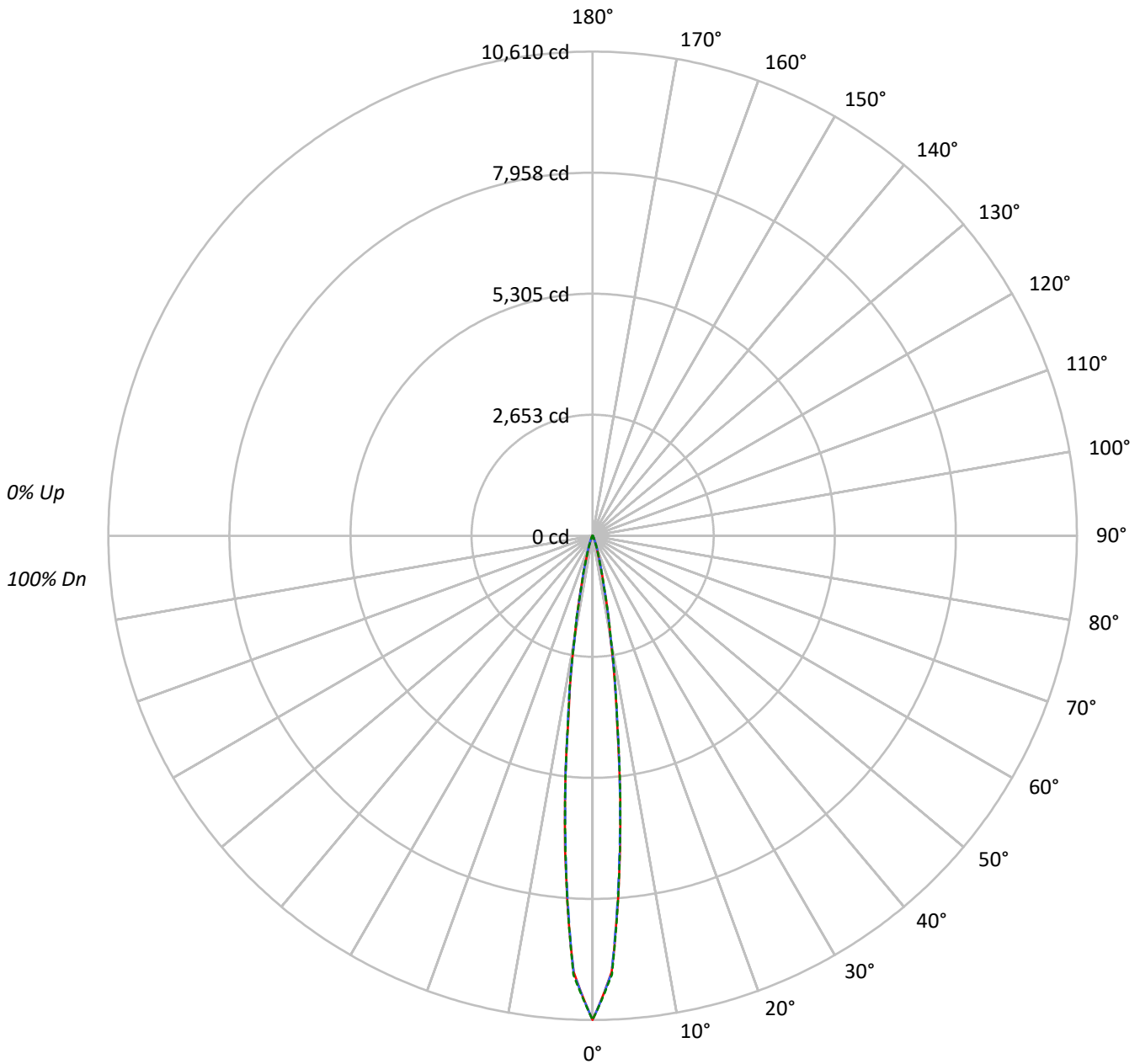


Downlight



TEST NUMBER: P757947
CATALOG NUMBER: LD6D05D010-EU6DR150210IC9035-6LBS1LI

Luminous Intensity Polar Plot





TEST NUMBER: P757947

CATALOG NUMBER: LD6D05D010-EU6DR150210IC9035-6LBS1LI

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 | 99 | 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 | 99 | 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° | 1193814 | 1193814 | 1193814 |
| 5° | 701544 | 692459 | 697936 |
| 10° | 209382 | 210847 | 214076 |
| 15° | 52079 | 53096 | 51454 |
| 20° | 15579 | 18042 | 15915 |
| 25° | 5492 | 6995 | 5562 |
| 30° | 2014 | 2658 | 2052 |
| 35° | 1009 | 1140 | 980 |
| 40° | 639 | 703 | 639 |
| 45° | 469 | 504 | 469 |
| 50° | 375 | 375 | 375 |
| 55° | 313 | 313 | 313 |
| 60° | 253 | 253 | 253 |
| 65° | 193 | 193 | 193 |
| 70° | 161 | 161 | 161 |
| 75° | 98 | 98 | 136 |
| 80° | 71 | 71 | 71 |
| 85° | 33 | 33 | 33 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 504 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 505.0 | 64.9 |
| 10°-20° | 207.7 | 26.7 |
| 20°-30° | 41.3 | 5.3 |
| 30°-40° | 10.3 | 1.3 |
| 40°-50° | 5.4 | 0.7 |
| 50°-60° | 4.0 | 0.5 |
| 60°-70° | 2.8 | 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° | 754.0 | 96.8 |
| 0°-40° | 764.3 | 98.2 |
| 0°-60° | 773.7 | 99.4 |
| 0°-90° | 778.6 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 778.6 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-------|-------|-------|-------|-------|------|
| 0° | 10610 | 10610 | 10610 | 10610 | 10610 | |
| 5° | 6903 | 6832 | 6814 | 6861 | 6868 | 504 |
| 15° | 600 | 611 | 611 | 600 | 592 | 206 |
| 25° | 70 | 80 | 90 | 80 | 71 | 37 |
| 35° | 14 | 15 | 16 | 15 | 14 | 9 |
| 45° | 7 | 7 | 7 | 7 | 7 | 5 |
| 55° | 4 | 4 | 4 | 4 | 4 | 4 |
| 65° | 3 | 3 | 3 | 3 | 3 | 3 |
| 75° | 1 | 1 | 1 | 1 | 2 | 2 |
| 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° | 10609.8 | 10609.8 | 10609.8 | 10609.8 | 10609.8 |
| 2.5° | 9570.5 | 9578.6 | 9581.7 | 9591.2 | 9626.2 |
| 5° | 6903.0 | 6832.0 | 6813.6 | 6860.8 | 6867.5 |
| 7.5° | 4089.1 | 4103.4 | 4156.0 | 4167.7 | 4125.4 |
| 10° | 2244.0 | 2262.4 | 2259.7 | 2275.8 | 2294.3 |
| 12.5° | 1147.6 | 1133.2 | 1128.7 | 1147.1 | 1121.5 |
| 15° | 599.6 | 610.8 | 611.3 | 600.5 | 592.4 |
| 17.5° | 322.5 | 335.5 | 357.1 | 339.6 | 312.6 |
| 20° | 190.4 | 202.1 | 220.5 | 206.2 | 194.5 |
| 22.5° | 117.7 | 127.1 | 140.1 | 128.9 | 119.5 |
| 25° | 70.5 | 79.9 | 89.8 | 79.5 | 71.4 |
| 27.5° | 41.8 | 49.9 | 56.1 | 49.4 | 41.3 |
| 30° | 26.9 | 31.4 | 35.5 | 31.0 | 27.4 |
| 32.5° | 18.9 | 20.7 | 22.5 | 20.7 | 18.9 |
| 35° | 13.9 | 14.8 | 15.7 | 14.8 | 13.5 |
| 37.5° | 10.8 | 11.7 | 12.1 | 11.2 | 10.3 |
| 40° | 9.0 | 9.4 | 9.9 | 9.4 | 9.0 |
| 42.5° | 7.6 | 8.1 | 8.1 | 8.1 | 7.6 |
| 45° | 6.7 | 6.7 | 7.2 | 6.7 | 6.7 |
| 47.5° | 5.8 | 5.8 | 6.3 | 5.8 | 5.8 |
| 50° | 5.4 | 5.4 | 5.4 | 5.4 | 5.4 |
| 52.5° | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 |
| 55° | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| 57.5° | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| 60° | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 |
| 62.5° | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| 65° | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| 67.5° | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| 70° | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 |
| 72.5° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 75° | 1.3 | 1.3 | 1.3 | 1.3 | 1.8 |
| 77.5° | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 80° | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| 82.5° | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| 85° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 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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