

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: P757922

Luminaire Tested: LD6D05D010-EU6DR150210IC9027-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P757922
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-EU6DR150210IC9027-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 646.3 lumens
Efficiency: N/A
Efficacy: 86.2 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 (Ain): 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



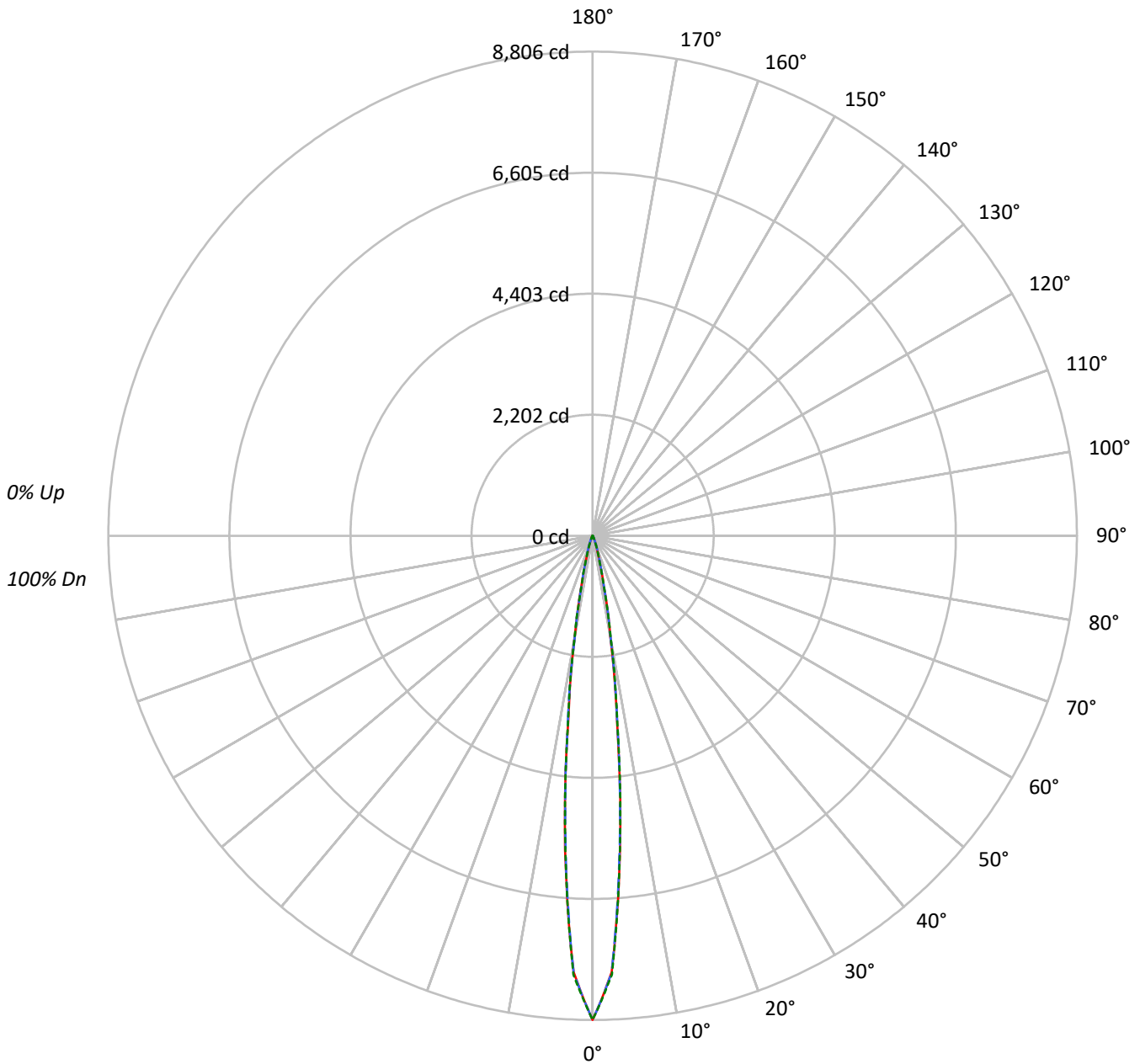
Downlight



TEST NUMBER: P757922

CATALOG NUMBER: LD6D05D010-EU6DR150210IC9027-6LBS1MW

Luminous Intensity Polar Plot





TEST NUMBER: P757922

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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 | 0 | | | | | | | | | | | | | | | | |
| RCR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | | | | | | | | | | | | | | | | | | | |
| 1 | 116 | 114 | 112 | 111 | 113 | 112 | 110 | 109 | 108 | 107 | 106 | 104 | 103 | 103 | 101 | 100 | 100 | 98 | | | | | | | | | | | | | | | | | | | |
| 2 | 113 | 110 | 107 | 105 | 111 | 108 | 106 | 104 | 105 | 103 | 102 | 102 | 101 | 100 | 100 | 98 | 98 | 96 | | | | | | | | | | | | | | | | | | | |
| 3 | 110 | 106 | 103 | 101 | 108 | 105 | 102 | 100 | 103 | 100 | 99 | 100 | 99 | 97 | 98 | 97 | 96 | 94 | | | | | | | | | | | | | | | | | | | |
| 4 | 108 | 103 | 100 | 98 | 106 | 102 | 99 | 97 | 100 | 98 | 96 | 99 | 97 | 95 | 97 | 95 | 94 | 93 | | | | | | | | | | | | | | | | | | | |
| 5 | 106 | 101 | 98 | 95 | 104 | 100 | 97 | 95 | 99 | 96 | 94 | 97 | 95 | 93 | 96 | 94 | 92 | 92 | | | | | | | | | | | | | | | | | | | |
| 6 | 104 | 99 | 95 | 93 | 102 | 98 | 95 | 93 | 97 | 94 | 92 | 96 | 93 | 92 | 95 | 93 | 91 | 90 | | | | | | | | | | | | | | | | | | | |
| 7 | 102 | 97 | 94 | 91 | 101 | 96 | 93 | 91 | 95 | 93 | 91 | 94 | 92 | 90 | 93 | 91 | 90 | 89 | | | | | | | | | | | | | | | | | | | |
| 8 | 100 | 95 | 92 | 90 | 99 | 95 | 92 | 90 | 94 | 91 | 89 | 93 | 91 | 89 | 92 | 90 | 89 | 88 | | | | | | | | | | | | | | | | | | | |
| 9 | 99 | 93 | 90 | 88 | 98 | 93 | 90 | 88 | 92 | 90 | 88 | 92 | 89 | 88 | 91 | 89 | 88 | 87 | | | | | | | | | | | | | | | | | | | |
| 10 | 97 | 92 | 89 | 87 | 96 | 92 | 89 | 87 | 91 | 89 | 87 | 91 | 88 | 87 | 90 | 88 | 86 | 86 | | | | | | | | | | | | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 990884 | 990884 | 990884 |
| 5° | 582293 | 574752 | 579305 |
| 10° | 173785 | 175008 | 177686 |
| 15° | 43229 | 44071 | 42708 |
| 20° | 12936 | 14974 | 13206 |
| 25° | 4557 | 5811 | 4620 |
| 30° | 1677 | 2209 | 1700 |
| 35° | 842 | 944 | 813 |
| 40° | 533 | 582 | 533 |
| 45° | 392 | 420 | 392 |
| 50° | 313 | 313 | 313 |
| 55° | 258 | 258 | 258 |
| 60° | 211 | 211 | 211 |
| 65° | 157 | 157 | 157 |
| 70° | 139 | 139 | 139 |
| 75° | 83 | 83 | 113 |
| 80° | 55 | 55 | 55 |
| 85° | 33 | 33 | 33 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 420 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 419.2 | 64.9 |
| 10°-20° | 172.4 | 26.7 |
| 20°-30° | 34.3 | 5.3 |
| 30°-40° | 8.5 | 1.3 |
| 40°-50° | 4.5 | 0.7 |
| 50°-60° | 3.3 | 0.5 |
| 60°-70° | 2.3 | 0.4 |
| 70°-80° | 1.3 | 0.2 |
| 80°-90° | 0.4 | 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° | 625.9 | 96.8 |
| 0°-40° | 634.4 | 98.2 |
| 0°-60° | 642.3 | 99.4 |
| 0°-90° | 646.3 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 646.3 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 8806 | 8806 | 8806 | 8806 | 8806 | |
| 5° | 5730 | 5671 | 5655 | 5695 | 5700 | 418 |
| 15° | 498 | 507 | 507 | 498 | 492 | 171 |
| 25° | 58 | 66 | 75 | 66 | 59 | 31 |
| 35° | 12 | 12 | 13 | 12 | 11 | 8 |
| 45° | 6 | 6 | 6 | 6 | 6 | 4 |
| 55° | 4 | 4 | 4 | 4 | 4 | 3 |
| 65° | 2 | 2 | 2 | 2 | 2 | 2 |
| 75° | 1 | 1 | 1 | 1 | 2 | 1 |
| 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° | 8806.3 | 8806.3 | 8806.3 | 8806.3 | 8806.3 |
| 2.5° | 7943.7 | 7950.4 | 7953.0 | 7960.8 | 7989.9 |
| 5° | 5729.6 | 5670.7 | 5655.4 | 5694.6 | 5700.2 |
| 7.5° | 3394.0 | 3405.9 | 3449.5 | 3459.2 | 3424.2 |
| 10° | 1862.5 | 1877.8 | 1875.6 | 1889.0 | 1904.3 |
| 12.5° | 952.5 | 940.6 | 936.9 | 952.1 | 930.9 |
| 15° | 497.7 | 507.0 | 507.4 | 498.4 | 491.7 |
| 17.5° | 267.7 | 278.5 | 296.4 | 281.8 | 259.5 |
| 20° | 158.1 | 167.8 | 183.0 | 171.1 | 161.4 |
| 22.5° | 97.7 | 105.5 | 116.3 | 107.0 | 99.2 |
| 25° | 58.5 | 66.4 | 74.6 | 66.0 | 59.3 |
| 27.5° | 34.7 | 41.4 | 46.6 | 41.0 | 34.3 |
| 30° | 22.4 | 26.1 | 29.5 | 25.7 | 22.7 |
| 32.5° | 15.7 | 17.1 | 18.6 | 17.1 | 15.7 |
| 35° | 11.6 | 12.3 | 13.0 | 12.3 | 11.2 |
| 37.5° | 8.9 | 9.7 | 10.1 | 9.3 | 8.6 |
| 40° | 7.5 | 7.8 | 8.2 | 7.8 | 7.5 |
| 42.5° | 6.3 | 6.7 | 6.7 | 6.7 | 6.3 |
| 45° | 5.6 | 5.6 | 6.0 | 5.6 | 5.6 |
| 47.5° | 4.8 | 4.8 | 5.2 | 4.8 | 4.8 |
| 50° | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| 52.5° | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 |
| 55° | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 |
| 57.5° | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 |
| 60° | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| 62.5° | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 |
| 65° | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 |
| 67.5° | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 |
| 70° | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
| 72.5° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 75° | 1.1 | 1.1 | 1.1 | 1.1 | 1.5 |
| 77.5° | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 80° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 82.5° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 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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