

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: P769533

Luminaire Tested: LD6D65D010-EU6DR3055659035-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P769533
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D65D010-EU6DR3055659035-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8205.1 lumens
Efficiency: N/A
Efficacy: 112.7 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

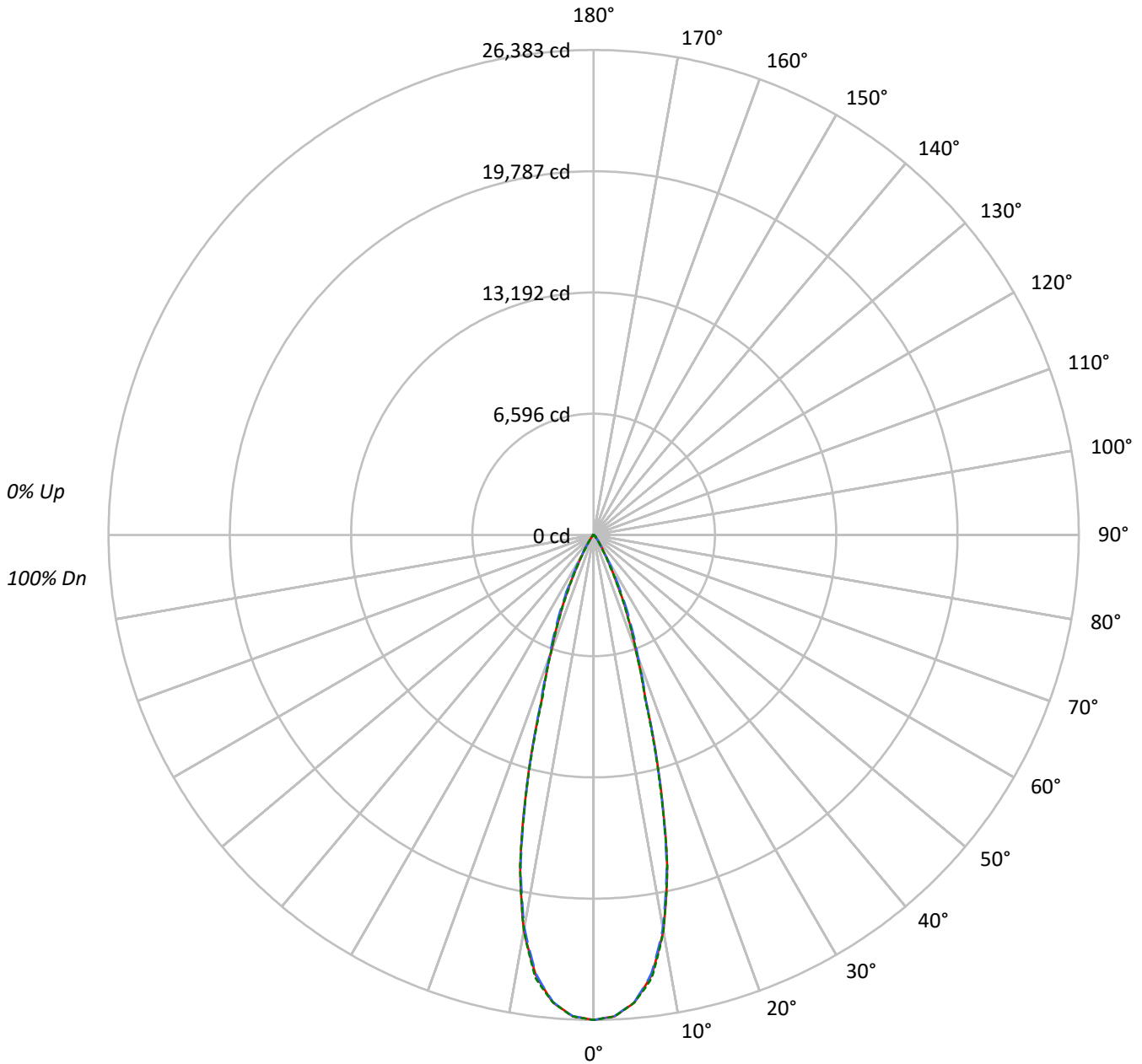
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P769533
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Luminous Intensity Polar Plot





TEST NUMBER: P769533

CATALOG NUMBER: LD6D65D010-EU6DR3055659035-6LBDP1LI

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 | 115 | 113 | 111 | 109 | 112 | 110 | 109 | 107 | 106 | 105 | 104 | 103 | 102 | 101 | 99 | 99 | 98 | 96 | | | | | | | | | | | | | | | | | | | |
| 2 | 111 | 107 | 104 | 101 | 109 | 105 | 102 | 100 | 102 | 100 | 98 | 99 | 97 | 96 | 97 | 95 | 94 | 92 | | | | | | | | | | | | | | | | | | | |
| 3 | 107 | 102 | 98 | 95 | 105 | 101 | 97 | 94 | 98 | 95 | 93 | 96 | 93 | 91 | 94 | 92 | 90 | 89 | | | | | | | | | | | | | | | | | | | |
| 4 | 103 | 98 | 93 | 90 | 102 | 96 | 93 | 90 | 94 | 91 | 89 | 93 | 90 | 88 | 91 | 89 | 87 | 85 | | | | | | | | | | | | | | | | | | | |
| 5 | 100 | 94 | 89 | 86 | 98 | 93 | 89 | 86 | 91 | 88 | 85 | 90 | 86 | 84 | 88 | 86 | 83 | 82 | | | | | | | | | | | | | | | | | | | |
| 6 | 97 | 90 | 85 | 82 | 95 | 89 | 85 | 82 | 88 | 84 | 81 | 87 | 83 | 81 | 85 | 83 | 80 | 79 | | | | | | | | | | | | | | | | | | | |
| 7 | 94 | 87 | 82 | 79 | 92 | 86 | 82 | 79 | 85 | 81 | 78 | 84 | 81 | 78 | 83 | 80 | 78 | 77 | | | | | | | | | | | | | | | | | | | |
| 8 | 91 | 84 | 79 | 76 | 90 | 83 | 79 | 76 | 82 | 78 | 76 | 81 | 78 | 75 | 80 | 77 | 75 | 74 | | | | | | | | | | | | | | | | | | | |
| 9 | 88 | 81 | 76 | 73 | 87 | 80 | 76 | 73 | 80 | 76 | 73 | 79 | 75 | 73 | 78 | 75 | 73 | 72 | | | | | | | | | | | | | | | | | | | |
| 10 | 85 | 78 | 74 | 71 | 85 | 78 | 74 | 71 | 77 | 73 | 71 | 76 | 73 | 71 | 76 | 73 | 70 | 69 | | | | | | | | | | | | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|---------|---------|---------|
| 0° | 2019460 | 2019460 | 2019460 |
| 5° | 1961479 | 1959189 | 1961579 |
| 10° | 1698942 | 1686957 | 1698538 |
| 15° | 1108475 | 1102523 | 1096976 |
| 20° | 551195 | 571877 | 550454 |
| 25° | 277650 | 313096 | 271966 |
| 30° | 111170 | 121131 | 96852 |
| 35° | 51561 | 49384 | 41395 |
| 40° | 22262 | 24720 | 20963 |
| 45° | 15707 | 19496 | 15848 |
| 50° | 5394 | 14194 | 5704 |
| 55° | 3109 | 5872 | 3283 |
| 60° | 2174 | 2572 | 2174 |
| 65° | 1413 | 1413 | 1413 |
| 70° | 873 | 582 | 873 |
| 75° | 0 | 384 | 0 |
| 80° | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 19496 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 2320.0 | 28.3 |
| 10°-20° | 3736.4 | 45.5 |
| 20°-30° | 1614.6 | 19.7 |
| 30°-40° | 368.0 | 4.5 |
| 40°-50° | 126.4 | 1.5 |
| 50°-60° | 30.9 | 0.4 |
| 60°-70° | 8.0 | 0.1 |
| 70°-80° | 0.8 | 0.0 |
| 80°-90° | 0.0 | 0.0 |
| 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° | 7671.0 | 93.5 |
| 0°-40° | 8039.0 | 98.0 |
| 0°-60° | 8196.2 | 99.9 |
| 0°-90° | 8205.1 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 8205.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-------|-------|-------|-------|-------|------|
| 0° | 26383 | 26383 | 26383 | 26383 | 26383 | |
| 5° | 25528 | 25504 | 25498 | 25552 | 25530 | 2322 |
| 15° | 13988 | 13820 | 13913 | 13868 | 13843 | 3746 |
| 25° | 3288 | 3412 | 3707 | 3325 | 3220 | 1574 |
| 35° | 552 | 564 | 528 | 525 | 443 | 374 |
| 45° | 145 | 180 | 180 | 180 | 146 | 103 |
| 55° | 23 | 25 | 44 | 26 | 25 | 23 |
| 65° | 8 | 8 | 8 | 8 | 8 | 8 |
| 75° | 0 | 0 | 1 | 0 | 0 | 1 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | 0 |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|---------|---------|---------|---------|---------|
| 0° | 26383.2 | 26383.2 | 26383.2 | 26383.2 | 26383.2 |
| 2.5° | 26208.3 | 26190.2 | 26200.5 | 26213.5 | 26218.6 |
| 5° | 25528.2 | 25503.6 | 25498.4 | 25551.6 | 25529.5 |
| 7.5° | 24156.5 | 24121.5 | 24068.4 | 24188.9 | 24301.6 |
| 10° | 21858.6 | 21819.7 | 21704.4 | 21761.4 | 21853.4 |
| 12.5° | 18466.1 | 18340.5 | 18337.9 | 18519.2 | 18494.6 |
| 15° | 13988.2 | 13819.8 | 13913.1 | 13867.7 | 13843.1 |
| 17.5° | 9406.6 | 9341.9 | 9466.2 | 9428.7 | 9266.7 |
| 20° | 6766.8 | 6783.6 | 7020.7 | 6901.5 | 6757.7 |
| 22.5° | 4937.8 | 4998.7 | 5279.7 | 4972.7 | 4860.1 |
| 25° | 3287.5 | 3411.9 | 3707.2 | 3325.1 | 3220.2 |
| 27.5° | 2022.0 | 2079.0 | 2378.2 | 1996.1 | 1939.1 |
| 30° | 1257.8 | 1229.3 | 1370.5 | 1176.2 | 1095.8 |
| 32.5° | 825.1 | 788.9 | 834.2 | 748.7 | 683.9 |
| 35° | 551.8 | 563.5 | 528.5 | 524.6 | 443.0 |
| 37.5° | 344.6 | 396.4 | 349.7 | 373.1 | 285.0 |
| 40° | 222.8 | 287.6 | 247.4 | 273.3 | 209.8 |
| 42.5° | 182.6 | 221.5 | 203.4 | 216.3 | 186.5 |
| 45° | 145.1 | 180.1 | 180.1 | 180.1 | 146.4 |
| 47.5° | 80.3 | 120.5 | 154.1 | 123.1 | 85.5 |
| 50° | 45.3 | 60.9 | 119.2 | 63.5 | 47.9 |
| 52.5° | 31.1 | 35.0 | 81.6 | 36.3 | 32.4 |
| 55° | 23.3 | 24.6 | 44.0 | 25.9 | 24.6 |
| 57.5° | 18.1 | 19.4 | 23.3 | 19.4 | 18.1 |
| 60° | 14.2 | 14.2 | 16.8 | 15.5 | 14.2 |
| 62.5° | 10.4 | 10.4 | 11.7 | 10.4 | 10.4 |
| 65° | 7.8 | 7.8 | 7.8 | 7.8 | 7.8 |
| 67.5° | 3.9 | 5.2 | 5.2 | 5.2 | 5.2 |
| 70° | 3.9 | 2.6 | 2.6 | 2.6 | 3.9 |
| 72.5° | 2.6 | 1.3 | 1.3 | 1.3 | 1.3 |
| 75° | 0.0 | 0.0 | 1.3 | 0.0 | 0.0 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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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