

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: P769503

Luminaire Tested: LD6D65D010-EU6DR3055659027-6LBCSSQMMS

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P769503
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-EU6DR3055659027-6LBCSSQMMS
Description: 6 INCH SQAURE SHALLOW CAST MATTE METALLIC SILVER TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6854.4 lumens
Efficiency: N/A
Efficacy: 94.2 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

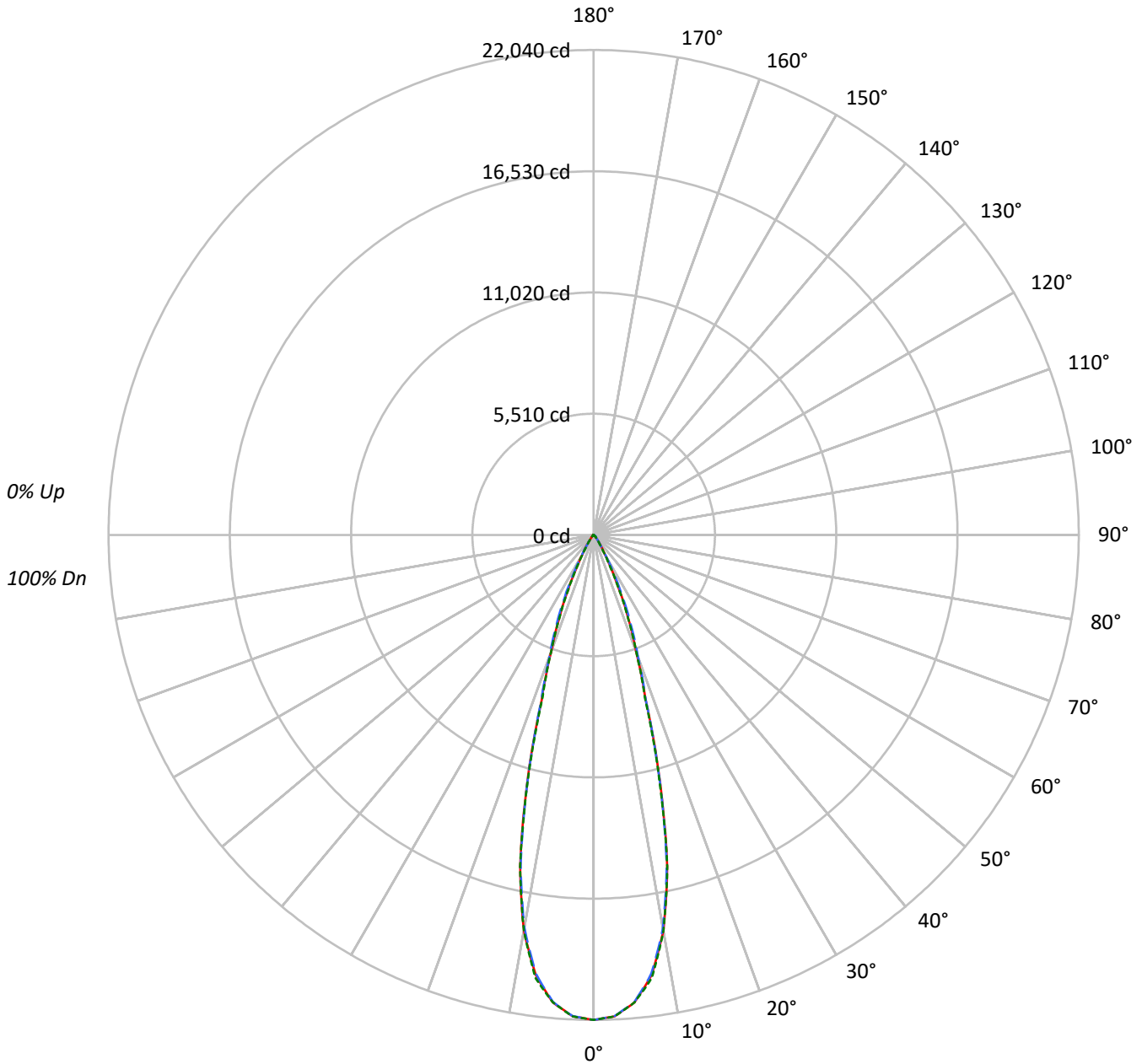
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P769503

CATALOG NUMBER: LD6D65D010-EU6DR3055659027-6LBCSSQMMS

Luminous Intensity Polar Plot





TEST NUMBER: P769503

CATALOG NUMBER: LD6D65D010-EU6DR3055659027-6LBCSSQMMS

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° | 1687032 | 1687032 | 1687032 |
| 5° | 1638600 | 1636694 | 1638684 |
| 10° | 1419283 | 1409272 | 1418941 |
| 15° | 926008 | 921032 | 916404 |
| 20° | 460461 | 477738 | 459842 |
| 25° | 231951 | 261561 | 227196 |
| 30° | 92866 | 101192 | 80916 |
| 35° | 43077 | 41255 | 34583 |
| 40° | 18595 | 20654 | 17516 |
| 45° | 13120 | 16281 | 13239 |
| 50° | 4513 | 11860 | 4763 |
| 55° | 2602 | 4911 | 2749 |
| 60° | 1822 | 2159 | 1822 |
| 65° | 1177 | 1177 | 1177 |
| 70° | 716 | 492 | 716 |
| 75° | 0 | 325 | 0 |
| 80° | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 16281 cd/sqm



TEST NUMBER: P769503

CATALOG NUMBER: LD6D65D010-EU6DR3055659027-6LBCSSQMMS

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 1938.1 | 28.3 |
| 10°-20° | 3121.3 | 45.5 |
| 20°-30° | 1348.8 | 19.7 |
| 30°-40° | 307.4 | 4.5 |
| 40°-50° | 105.6 | 1.5 |
| 50°-60° | 25.8 | 0.4 |
| 60°-70° | 6.7 | 0.1 |
| 70°-80° | 0.7 | 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° | 6408.3 | 93.5 |
| 0°-40° | 6715.7 | 98.0 |
| 0°-60° | 6847.0 | 99.9 |
| 0°-90° | 6854.4 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 6854.4 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-------|-------|-------|-------|-------|------|
| 0° | 22040 | 22040 | 22040 | 22040 | 22040 | |
| 5° | 21326 | 21306 | 21301 | 21346 | 21327 | 1940 |
| 15° | 11686 | 11545 | 11623 | 11585 | 11564 | 3129 |
| 25° | 2746 | 2850 | 3097 | 2778 | 2690 | 1315 |
| 35° | 461 | 471 | 442 | 438 | 370 | 313 |
| 45° | 121 | 150 | 150 | 150 | 122 | 86 |
| 55° | 20 | 21 | 37 | 22 | 21 | 19 |
| 65° | 6 | 6 | 6 | 6 | 6 | 6 |
| 75° | 0 | 0 | 1 | 0 | 0 | 1 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | 0 |



TEST NUMBER: P769503

CATALOG NUMBER: LD6D65D010-EU6DR3055659027-6LBCSSQMMS

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|---------|---------|---------|---------|---------|
| 0° | 22040.2 | 22040.2 | 22040.2 | 22040.2 | 22040.2 |
| 2.5° | 21894.1 | 21879.0 | 21887.7 | 21898.5 | 21902.8 |
| 5° | 21326.0 | 21305.5 | 21301.2 | 21345.5 | 21327.1 |
| 7.5° | 20180.1 | 20150.9 | 20106.5 | 20207.2 | 20301.3 |
| 10° | 18260.5 | 18228.0 | 18131.7 | 18179.3 | 18256.1 |
| 12.5° | 15426.4 | 15321.5 | 15319.3 | 15470.8 | 15450.2 |
| 15° | 11685.6 | 11544.9 | 11622.8 | 11585.0 | 11564.4 |
| 17.5° | 7858.2 | 7804.1 | 7908.0 | 7876.6 | 7741.4 |
| 20° | 5652.9 | 5667.0 | 5865.0 | 5765.4 | 5645.3 |
| 22.5° | 4125.0 | 4175.8 | 4410.6 | 4154.2 | 4060.0 |
| 25° | 2746.4 | 2850.3 | 3097.0 | 2777.8 | 2690.1 |
| 27.5° | 1689.2 | 1736.8 | 1986.7 | 1667.5 | 1619.9 |
| 30° | 1050.7 | 1026.9 | 1144.9 | 982.5 | 915.5 |
| 32.5° | 689.3 | 659.0 | 696.9 | 625.5 | 571.3 |
| 35° | 461.0 | 470.7 | 441.5 | 438.3 | 370.1 |
| 37.5° | 287.8 | 331.1 | 292.2 | 311.6 | 238.1 |
| 40° | 186.1 | 240.2 | 206.7 | 228.3 | 175.3 |
| 42.5° | 152.6 | 185.0 | 169.9 | 180.7 | 155.8 |
| 45° | 121.2 | 150.4 | 150.4 | 150.4 | 122.3 |
| 47.5° | 67.1 | 100.6 | 128.8 | 102.8 | 71.4 |
| 50° | 37.9 | 50.9 | 99.6 | 53.0 | 40.0 |
| 52.5° | 26.0 | 29.2 | 68.2 | 30.3 | 27.1 |
| 55° | 19.5 | 20.6 | 36.8 | 21.6 | 20.6 |
| 57.5° | 15.1 | 16.2 | 19.5 | 16.2 | 15.1 |
| 60° | 11.9 | 11.9 | 14.1 | 13.0 | 11.9 |
| 62.5° | 8.7 | 8.7 | 9.7 | 8.7 | 8.7 |
| 65° | 6.5 | 6.5 | 6.5 | 6.5 | 6.5 |
| 67.5° | 3.2 | 4.3 | 4.3 | 4.3 | 4.3 |
| 70° | 3.2 | 2.2 | 2.2 | 2.2 | 3.2 |
| 72.5° | 2.2 | 1.1 | 1.1 | 1.1 | 1.1 |
| 75° | 0.0 | 0.0 | 1.1 | 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 |

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)