

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: P773440

Luminaire Tested: LD6D90BD010-EU6DR3070959035-6LBSQW1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P773440
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: LD6D90BD010-EU6DR3070959035-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

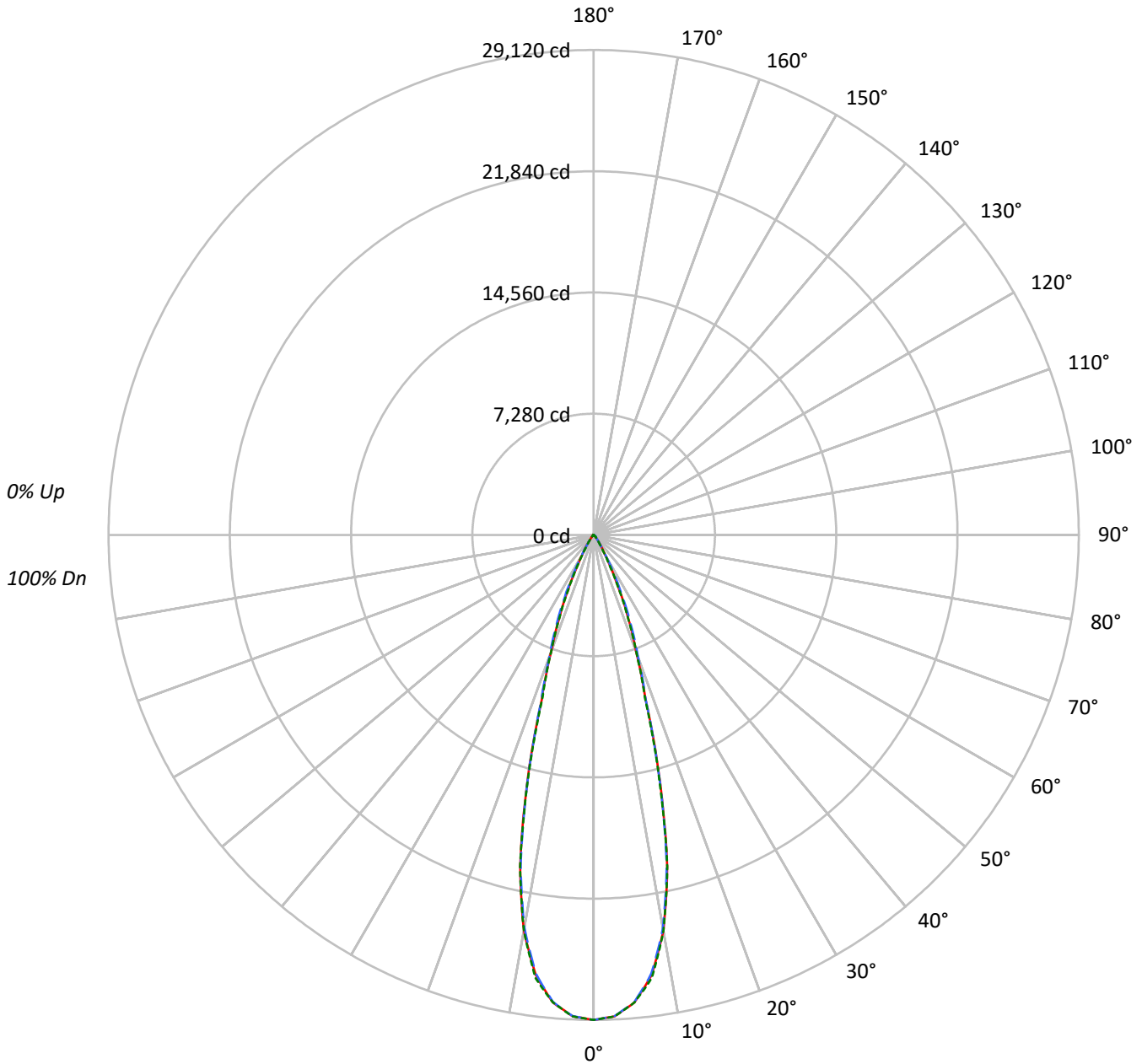
Lumens per Lamp: N/A
Luminaire Lumens: 9056.3 lumens
Efficiency: N/A
Efficacy: 91.6 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

Input Watts (W): 98.9
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



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Luminous Intensity Polar Plot





TEST NUMBER: P773440

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

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|---------|---------|---------|
| 0° | 2228967 | 2228967 | 2228967 |
| 5° | 2164979 | 2162451 | 2165086 |
| 10° | 1875197 | 1861977 | 1874754 |
| 15° | 1223473 | 1216904 | 1210786 |
| 20° | 608377 | 631201 | 607562 |
| 25° | 306458 | 345578 | 300183 |
| 30° | 122696 | 133691 | 106901 |
| 35° | 56916 | 54505 | 45693 |
| 40° | 24570 | 27288 | 23142 |
| 45° | 17331 | 21509 | 17493 |
| 50° | 5954 | 15659 | 6299 |
| 55° | 3430 | 6486 | 3630 |
| 60° | 2403 | 2847 | 2403 |
| 65° | 1558 | 1558 | 1558 |
| 70° | 962 | 649 | 962 |
| 75° | 0 | 414 | 0 |
| 80° | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 21509 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 2560.7 | 28.3 |
| 10°-20° | 4124.0 | 45.5 |
| 20°-30° | 1782.1 | 19.7 |
| 30°-40° | 406.2 | 4.5 |
| 40°-50° | 139.5 | 1.5 |
| 50°-60° | 34.1 | 0.4 |
| 60°-70° | 8.8 | 0.1 |
| 70°-80° | 0.9 | 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° | 8466.8 | 93.5 |
| 0°-40° | 8873.0 | 98.0 |
| 0°-60° | 9046.5 | 99.9 |
| 0°-90° | 9056.3 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 9056.3 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-------|-------|-------|-------|-------|------|
| 0° | 29120 | 29120 | 29120 | 29120 | 29120 | |
| 5° | 28177 | 28150 | 28144 | 28202 | 28178 | 2563 |
| 15° | 15439 | 15254 | 15356 | 15306 | 15279 | 4134 |
| 25° | 3629 | 3766 | 4092 | 3670 | 3554 | 1737 |
| 35° | 609 | 622 | 583 | 579 | 489 | 413 |
| 45° | 160 | 199 | 199 | 199 | 162 | 114 |
| 55° | 26 | 27 | 49 | 29 | 27 | 25 |
| 65° | 9 | 9 | 9 | 9 | 9 | 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° | 29120.3 | 29120.3 | 29120.3 | 29120.3 | 29120.3 |
| 2.5° | 28927.3 | 28907.3 | 28918.7 | 28933.0 | 28938.8 |
| 5° | 28176.7 | 28149.6 | 28143.8 | 28202.5 | 28178.1 |
| 7.5° | 26662.7 | 26624.1 | 26565.4 | 26698.4 | 26822.8 |
| 10° | 24126.3 | 24083.5 | 23956.2 | 24019.1 | 24120.6 |
| 12.5° | 20381.9 | 20243.3 | 20240.4 | 20440.6 | 20413.4 |
| 15° | 15439.4 | 15253.6 | 15356.5 | 15306.5 | 15279.3 |
| 17.5° | 10382.6 | 10311.1 | 10448.3 | 10406.9 | 10228.1 |
| 20° | 7468.8 | 7487.4 | 7749.0 | 7617.5 | 7458.8 |
| 22.5° | 5450.1 | 5517.2 | 5827.5 | 5488.7 | 5364.3 |
| 25° | 3628.6 | 3765.9 | 4091.8 | 3670.1 | 3554.3 |
| 27.5° | 2231.8 | 2294.7 | 2624.9 | 2203.2 | 2140.3 |
| 30° | 1388.2 | 1356.8 | 1512.6 | 1298.2 | 1209.5 |
| 32.5° | 910.7 | 870.7 | 920.7 | 826.4 | 754.9 |
| 35° | 609.1 | 621.9 | 583.3 | 579.0 | 489.0 |
| 37.5° | 380.3 | 437.5 | 386.0 | 411.8 | 314.5 |
| 40° | 245.9 | 317.4 | 273.1 | 301.7 | 231.6 |
| 42.5° | 201.6 | 244.5 | 224.5 | 238.8 | 205.9 |
| 45° | 160.1 | 198.7 | 198.7 | 198.7 | 161.6 |
| 47.5° | 88.6 | 133.0 | 170.1 | 135.8 | 94.4 |
| 50° | 50.0 | 67.2 | 131.5 | 70.1 | 52.9 |
| 52.5° | 34.3 | 38.6 | 90.1 | 40.0 | 35.7 |
| 55° | 25.7 | 27.2 | 48.6 | 28.6 | 27.2 |
| 57.5° | 20.0 | 21.4 | 25.7 | 21.4 | 20.0 |
| 60° | 15.7 | 15.7 | 18.6 | 17.2 | 15.7 |
| 62.5° | 11.4 | 11.4 | 12.9 | 11.4 | 11.4 |
| 65° | 8.6 | 8.6 | 8.6 | 8.6 | 8.6 |
| 67.5° | 4.3 | 5.7 | 5.7 | 5.7 | 5.7 |
| 70° | 4.3 | 2.9 | 2.9 | 2.9 | 4.3 |
| 72.5° | 2.9 | 1.4 | 1.4 | 1.4 | 1.4 |
| 75° | 0.0 | 0.0 | 1.4 | 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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