

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: P770050

Luminaire Tested: LD6D65D010-EU6DR6555659027-6LBCSSQMW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P770050  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D65D010-EU6DR6555659027-6LBCSSQMW  
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 65° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

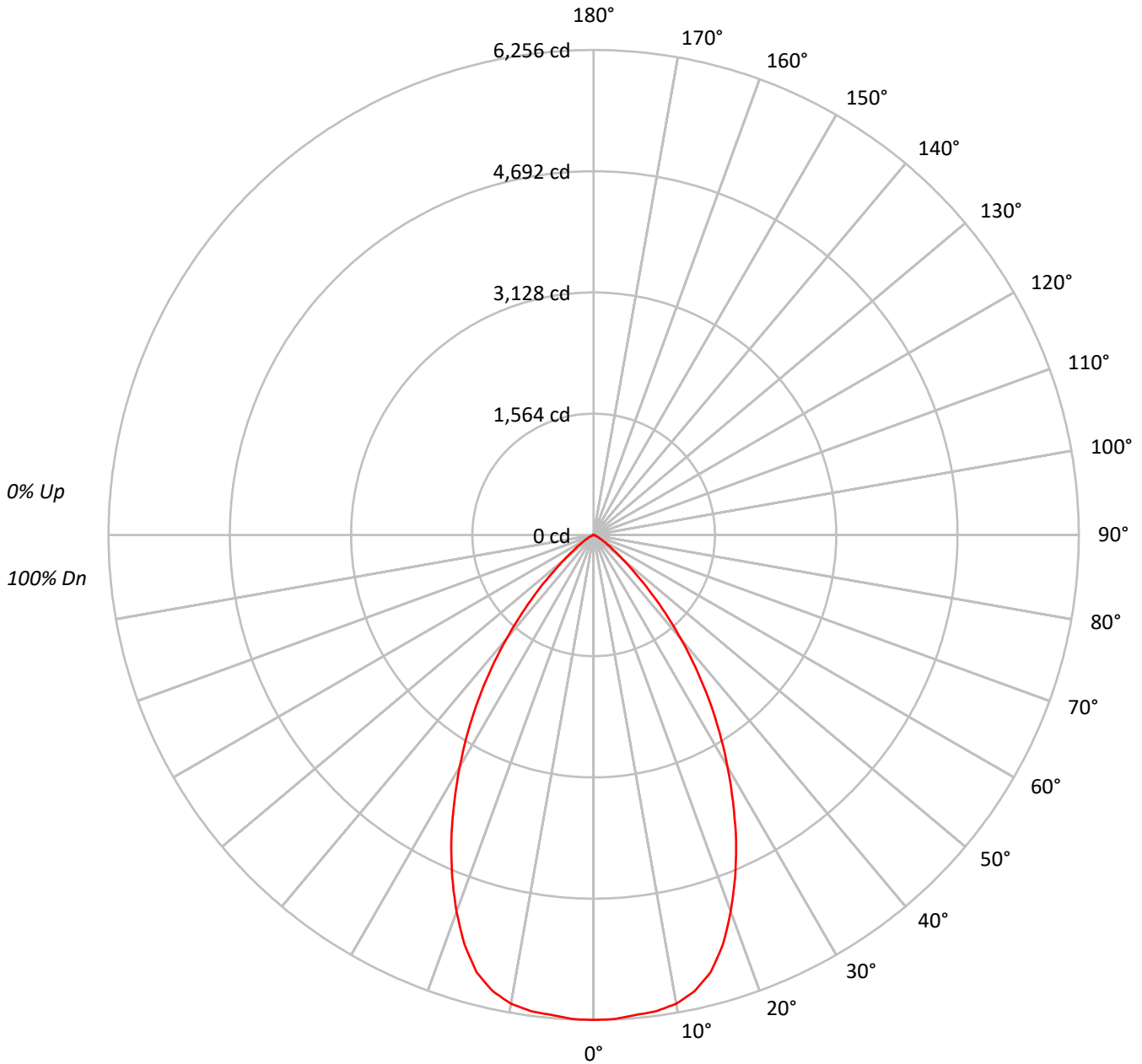
Lumens per Lamp: N/A  
Luminaire Lumens: 6889.9 lumens  
Efficiency: N/A  
Efficacy: 94.6 lumens/watt  
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96  
Luminous Opening: Circular (Dia: 0.48' x H: 0')  
CIE Type: Direct

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: P770050  
CATALOG NUMBER: LD6D65D010-EU6DR6555659027-6LBCSSQMW

### Luminous Intensity Polar Plot





TEST NUMBER: P770050  
 CATALOG NUMBER: LD6D65D010-EU6DR6555659027-6LBCSSQMW

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|-----|-----|-----|--|-----|-----|-----|-----|
| RF  | 20  |     |     |     | 20  |     |     |     | 20  |     |     |  | 20  |     |     |  | 20  |     |     |     |
| RC  | 80  |     |     |     | 70  |     |     |     | 50  |     |     |  | 30  |     |     |  | 10  | 0   |     |     |
| RW  | 70  | 50  | 30  | 10  | 70  | 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   | 113 | 110 | 107 | 105 | 111 | 108 | 105 | 103 | 104 | 102 | 100 |  | 100 | 99  | 97  |  | 97  | 95  | 94  | 93  |
| 2   | 107 | 102 | 97  | 94  | 105 | 100 | 96  | 92  | 97  | 93  | 90  |  | 94  | 91  | 88  |  | 91  | 89  | 87  | 85  |
| 3   | 101 | 94  | 88  | 84  | 99  | 92  | 87  | 83  | 90  | 86  | 82  |  | 87  | 84  | 81  |  | 85  | 82  | 80  | 78  |
| 4   | 95  | 87  | 81  | 76  | 93  | 86  | 80  | 76  | 84  | 79  | 75  |  | 82  | 77  | 74  |  | 80  | 76  | 73  | 72  |
| 5   | 90  | 81  | 74  | 70  | 88  | 80  | 74  | 69  | 78  | 73  | 69  |  | 76  | 72  | 68  |  | 75  | 71  | 68  | 66  |
| 6   | 85  | 75  | 69  | 64  | 83  | 74  | 68  | 64  | 73  | 67  | 63  |  | 71  | 67  | 63  |  | 70  | 66  | 62  | 61  |
| 7   | 80  | 70  | 64  | 59  | 79  | 69  | 63  | 59  | 68  | 63  | 59  |  | 67  | 62  | 58  |  | 66  | 61  | 58  | 56  |
| 8   | 76  | 66  | 59  | 55  | 75  | 65  | 59  | 55  | 64  | 58  | 54  |  | 63  | 58  | 54  |  | 62  | 57  | 54  | 52  |
| 9   | 72  | 61  | 55  | 51  | 71  | 61  | 55  | 51  | 60  | 54  | 51  |  | 59  | 54  | 50  |  | 58  | 54  | 50  | 49  |
| 10  | 68  | 58  | 52  | 47  | 67  | 57  | 51  | 47  | 57  | 51  | 47  |  | 56  | 51  | 47  |  | 55  | 50  | 47  | 46  |

**AVERAGE LUMINANCE (cd/sqm):**

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 365369 |
| 5°  | 364449 |
| 10° | 364138 |
| 15° | 352911 |
| 20° | 321283 |
| 25° | 279979 |
| 30° | 232860 |
| 35° | 184512 |
| 40° | 133170 |
| 45° | 84132  |
| 50° | 43849  |
| 55° | 23308  |
| 60° | 12241  |
| 65° | 6730   |
| 70° | 2818   |
| 75° | 3114   |
| 80° | 2153   |
| 85° | 1876   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 84132 cd/sqm



TEST NUMBER: P770050

CATALOG NUMBER: LD6D65D010-EU6DR6555659027-6LBCSSQMW

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 591.6  | 8.6       |
| 10°-20°   | 1620.1 | 23.5      |
| 20°-30°   | 1980.3 | 28.7      |
| 30°-40°   | 1606.7 | 23.3      |
| 40°-50°   | 800.7  | 11.6      |
| 50°-60°   | 223.3  | 3.2       |
| 60°-70°   | 50.7   | 0.7       |
| 70°-80°   | 13.2   | 0.2       |
| 80°-90°   | 3.4    | 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°    | 4191.9 | 60.8      |
| 0°-40°    | 5798.7 | 84.2      |
| 0°-60°    | 6822.6 | 99.0      |
| 0°-90°    | 6889.9 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 6889.9 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 6256 |      |
| 5°  | 6216 | 592  |
| 15° | 5837 | 1620 |
| 25° | 4345 | 1980 |
| 35° | 2588 | 1607 |
| 45° | 1019 | 801  |
| 55° | 229  | 223  |
| 65° | 49   | 51   |
| 75° | 14   | 13   |
| 85° | 3    | 3    |
| 90° | 0    |      |



TEST NUMBER: P770050  
CATALOG NUMBER: LD6D65D010-EU6DR6555659027-6LBCSSQMW

**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 6255.9 |
| 2.5°  | 6251.3 |
| 5°    | 6216.4 |
| 7.5°  | 6196.2 |
| 10°   | 6140.1 |
| 12.5° | 6026.1 |
| 15°   | 5836.7 |
| 17.5° | 5540.7 |
| 20°   | 5169.3 |
| 22.5° | 4768.5 |
| 25°   | 4344.7 |
| 27.5° | 3891.5 |
| 30°   | 3452.9 |
| 32.5° | 3019.9 |
| 35°   | 2587.9 |
| 37.5° | 2156.7 |
| 40°   | 1746.7 |
| 42.5° | 1362.4 |
| 45°   | 1018.6 |
| 47.5° | 709.7  |
| 50°   | 482.6  |
| 52.5° | 332.8  |
| 55°   | 228.9  |
| 57.5° | 154.4  |
| 60°   | 104.8  |
| 62.5° | 72.6   |
| 65°   | 48.7   |
| 67.5° | 24.8   |
| 70°   | 16.5   |
| 72.5° | 15.6   |
| 75°   | 13.8   |
| 77.5° | 9.2    |
| 80°   | 6.4    |
| 82.5° | 4.6    |
| 85°   | 2.8    |
| 87.5° | 1.8    |
| 90°   | 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°

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)