

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: P794696

Luminaire Tested: LER6D65D010-EC6DR3055659027-6LBDP1H

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P794696  
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: LER6D65D010-EC6DR3055659027-6LBDP1H  
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7506.0 lumens  
Efficiency: N/A  
Efficacy: 103.1 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<sub>in</sub>): 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

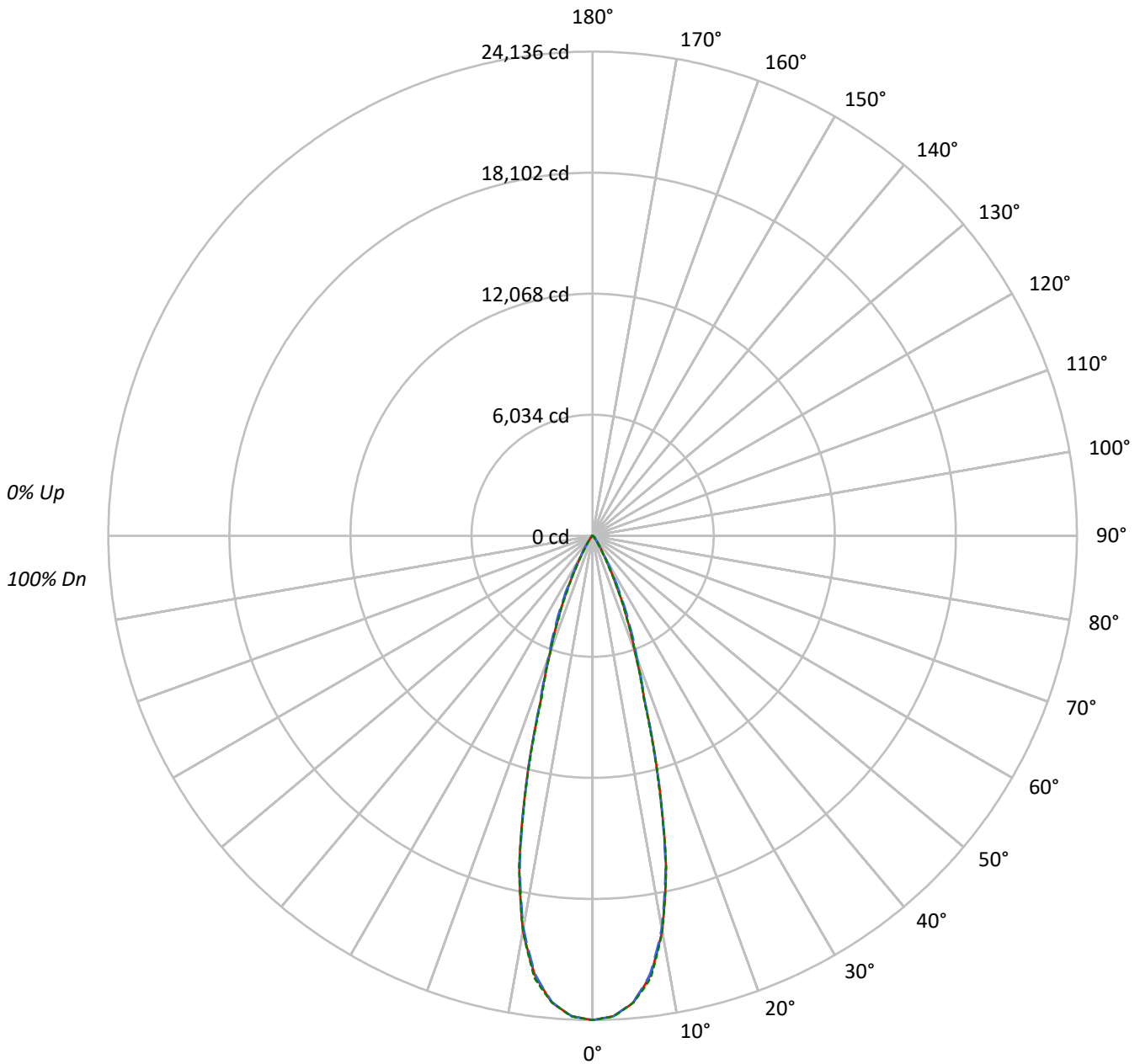


Downlight

TEST NUMBER: P794696

CATALOG NUMBER: LER6D65D010-EC6DR3055659027-6LBDP1H

### Luminous Intensity Polar Plot





TEST NUMBER: P794696

CATALOG NUMBER: LER6D65D010-EC6DR3055659027-6LBDP1H

**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°  | 1847413 | 1847413 | 1847413 |
| 5°  | 1794384 | 1792287 | 1794469 |
| 10° | 1554204 | 1543245 | 1553839 |
| 15° | 1014040 | 1008596 | 1003525 |
| 20° | 504236  | 523158  | 503560  |
| 25° | 254002  | 286425  | 248791  |
| 30° | 101695  | 110808  | 88606   |
| 35° | 47170   | 45179   | 37872   |
| 40° | 20364   | 22612   | 19185   |
| 45° | 14365   | 17829   | 14495   |
| 50° | 4942    | 12980   | 5216    |
| 55° | 2842    | 5378    | 3003    |
| 60° | 1990    | 2358    | 1990    |
| 65° | 1286    | 1286    | 1286    |
| 70° | 806     | 537     | 806     |
| 75° | 0       | 355     | 0       |
| 80° | 0       | 0       | 0       |
| 85° | 0       | 0       | 0       |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 17829 cd/sqm



TEST NUMBER: P794696

CATALOG NUMBER: LER6D65D010-EC6DR3055659027-6LBDP1H

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 2122.4 | 28.3      |
| 10°-20°   | 3418.1 | 45.5      |
| 20°-30°   | 1477.0 | 19.7      |
| 30°-40°   | 336.6  | 4.5       |
| 40°-50°   | 115.6  | 1.5       |
| 50°-60°   | 28.2   | 0.4       |
| 60°-70°   | 7.3    | 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°    | 7017.5 | 93.5      |
| 0°-40°    | 7354.1 | 98.0      |
| 0°-60°    | 7497.9 | 99.9      |
| 0°-90°    | 7506.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 7506.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°    | 22.5° | 45°   | 67.5° | 90°   | Flux |
|-----|-------|-------|-------|-------|-------|------|
| 0°  | 24136 | 24136 | 24136 | 24136 | 24136 |      |
| 5°  | 23354 | 23331 | 23326 | 23375 | 23355 | 2124 |
| 15° | 12796 | 12642 | 12728 | 12686 | 12664 | 3426 |
| 25° | 3008  | 3121  | 3391  | 3042  | 2946  | 1440 |
| 35° | 505   | 516   | 484   | 480   | 405   | 342  |
| 45° | 133   | 165   | 165   | 165   | 134   | 94   |
| 55° | 21    | 22    | 40    | 24    | 22    | 21   |
| 65° | 7     | 7     | 7     | 7     | 7     | 7    |
| 75° | 0     | 0     | 1     | 0     | 0     | 1    |
| 85° | 0     | 0     | 0     | 0     | 0     | 0    |
| 90° | 0     | 0     | 0     | 0     | 0     | 0    |



TEST NUMBER: P794696

CATALOG NUMBER: LER6D65D010-EC6DR3055659027-6LBDP1H

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 22.5°   | 45°     | 67.5°   | 90°     |
|-------|---------|---------|---------|---------|---------|
| 0°    | 24135.5 | 24135.5 | 24135.5 | 24135.5 | 24135.5 |
| 2.5°  | 23975.6 | 23959.0 | 23968.5 | 23980.3 | 23985.0 |
| 5°    | 23353.5 | 23330.9 | 23326.2 | 23374.8 | 23354.6 |
| 7.5°  | 22098.6 | 22066.6 | 22018.0 | 22128.2 | 22231.3 |
| 10°   | 19996.4 | 19960.9 | 19855.4 | 19907.5 | 19991.7 |
| 12.5° | 16893.0 | 16778.0 | 16775.7 | 16941.6 | 16919.0 |
| 15°   | 12796.5 | 12642.5 | 12727.8 | 12686.3 | 12663.8 |
| 17.5° | 8605.3  | 8546.0  | 8659.8  | 8625.4  | 8477.3  |
| 20°   | 6190.3  | 6205.7  | 6422.6  | 6313.5  | 6182.0  |
| 22.5° | 4517.1  | 4572.8  | 4830.0  | 4549.1  | 4446.0  |
| 25°   | 3007.5  | 3121.2  | 3391.4  | 3041.8  | 2945.8  |
| 27.5° | 1849.7  | 1901.9  | 2175.6  | 1826.0  | 1773.9  |
| 30°   | 1150.6  | 1124.5  | 1253.7  | 1076.0  | 1002.5  |
| 32.5° | 754.8   | 721.6   | 763.1   | 684.9   | 625.7   |
| 35°   | 504.8   | 515.5   | 483.5   | 479.9   | 405.3   |
| 37.5° | 315.2   | 362.6   | 319.9   | 341.3   | 260.7   |
| 40°   | 203.8   | 263.1   | 226.3   | 250.0   | 192.0   |
| 42.5° | 167.1   | 202.6   | 186.0   | 197.9   | 170.6   |
| 45°   | 132.7   | 164.7   | 164.7   | 164.7   | 133.9   |
| 47.5° | 73.5    | 110.2   | 141.0   | 112.6   | 78.2    |
| 50°   | 41.5    | 55.7    | 109.0   | 58.1    | 43.8    |
| 52.5° | 28.4    | 32.0    | 74.7    | 33.2    | 29.6    |
| 55°   | 21.3    | 22.5    | 40.3    | 23.7    | 22.5    |
| 57.5° | 16.6    | 17.8    | 21.3    | 17.8    | 16.6    |
| 60°   | 13.0    | 13.0    | 15.4    | 14.2    | 13.0    |
| 62.5° | 9.5     | 9.5     | 10.7    | 9.5     | 9.5     |
| 65°   | 7.1     | 7.1     | 7.1     | 7.1     | 7.1     |
| 67.5° | 3.6     | 4.7     | 4.7     | 4.7     | 4.7     |
| 70°   | 3.6     | 2.4     | 2.4     | 2.4     | 3.6     |
| 72.5° | 2.4     | 1.2     | 1.2     | 1.2     | 1.2     |
| 75°   | 0.0     | 0.0     | 1.2     | 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)