

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: P761201

Luminaire Tested: LD6D15D010-EU6DR300215IC9030-6LBS1H

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P761201  
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: LD6D15D010-EU6DR300215IC9030-6LBS1H  
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1435.6 lumens  
Efficiency: N/A  
Efficacy: 90.9 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): 15.8  
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



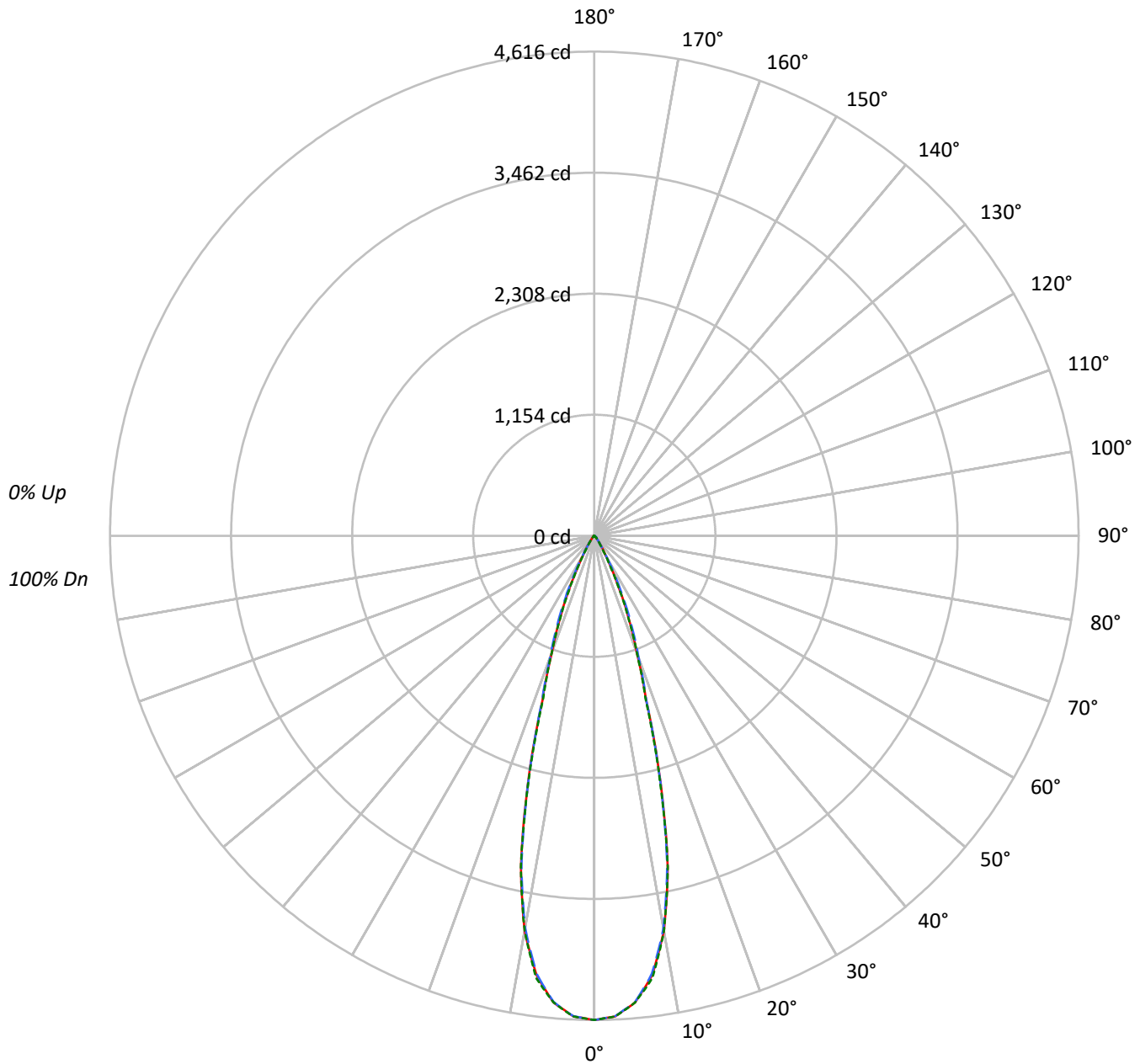
Downlight



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### Luminous Intensity Polar Plot



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

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|
| RF  | 20  |     |     |     | 20  |     |     |     |     | 20  |     |     |     |     | 20  |     |     |     |    | 20 |
| RC  | 80  |     |     |     | 70  |     |     |     |     | 50  |     |     |     |     | 30  |     |     |     |    | 10 |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30 | 10 |
| 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°  | 353332 | 353332 | 353332 |
| 5°  | 343187 | 342787 | 343202 |
| 10° | 297248 | 295158 | 297178 |
| 15° | 193941 | 192903 | 191928 |
| 20° | 96435  | 100052 | 96305  |
| 25° | 48579  | 54778  | 47583  |
| 30° | 19453  | 21195  | 16943  |
| 35° | 9017   | 8643   | 7242   |
| 40° | 3897   | 4327   | 3667   |
| 45° | 2750   | 3410   | 2771   |
| 50° | 941    | 2489   | 1000   |
| 55° | 547    | 1028   | 574    |
| 60° | 383    | 444    | 383    |
| 65° | 254    | 254    | 254    |
| 70° | 157    | 112    | 157    |
| 75° | 0      | 59     | 0      |
| 80° | 0      | 0      | 0      |
| 85° | 0      | 0      | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 3410 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 405.9  | 28.3      |
| 10°-20°   | 653.7  | 45.5      |
| 20°-30°   | 282.5  | 19.7      |
| 30°-40°   | 64.4   | 4.5       |
| 40°-50°   | 22.1   | 1.5       |
| 50°-60°   | 5.4    | 0.4       |
| 60°-70°   | 1.4    | 0.1       |
| 70°-80°   | 0.1    | 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°    | 1342.1 | 93.5      |
| 0°-40°    | 1406.5 | 98.0      |
| 0°-60°    | 1434.0 | 99.9      |
| 0°-90°    | 1435.6 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1435.6 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 4616 | 4616  | 4616 | 4616  | 4616 |      |
| 5°  | 4466 | 4462  | 4461 | 4471  | 4467 | 406  |
| 15° | 2447 | 2418  | 2434 | 2426  | 2422 | 655  |
| 25° | 575  | 597   | 649  | 582   | 563  | 275  |
| 35° | 96   | 99    | 92   | 92    | 78   | 65   |
| 45° | 25   | 32    | 32   | 32    | 26   | 18   |
| 55° | 4    | 4     | 8    | 4     | 4    | 4    |
| 65° | 1    | 1     | 1    | 1     | 1    | 1    |
| 75° | 0    | 0     | 0    | 0     | 0    | 0    |
| 85° | 0    | 0     | 0    | 0     | 0    | 0    |
| 90° | 0    | 0     | 0    | 0     | 0    |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 4616.1 | 4616.1 | 4616.1 | 4616.1 | 4616.1 |
| 2.5°  | 4585.5 | 4582.3 | 4584.1 | 4586.4 | 4587.3 |
| 5°    | 4466.5 | 4462.2 | 4461.3 | 4470.6 | 4466.7 |
| 7.5°  | 4226.5 | 4220.4 | 4211.1 | 4232.2 | 4251.9 |
| 10°   | 3824.4 | 3817.6 | 3797.5 | 3807.4 | 3823.5 |
| 12.5° | 3230.9 | 3208.9 | 3208.5 | 3240.2 | 3235.9 |
| 15°   | 2447.4 | 2418.0 | 2434.3 | 2426.3 | 2422.0 |
| 17.5° | 1645.8 | 1634.5 | 1656.2 | 1649.7 | 1621.3 |
| 20°   | 1183.9 | 1186.9 | 1228.3 | 1207.5 | 1182.3 |
| 22.5° | 864.0  | 874.6  | 923.8  | 870.0  | 850.3  |
| 25°   | 575.2  | 597.0  | 648.6  | 581.8  | 563.4  |
| 27.5° | 353.8  | 363.8  | 416.1  | 349.3  | 339.2  |
| 30°   | 220.1  | 215.1  | 239.8  | 205.8  | 191.7  |
| 32.5° | 144.4  | 138.0  | 145.9  | 131.0  | 119.7  |
| 35°   | 96.5   | 98.6   | 92.5   | 91.8   | 77.5   |
| 37.5° | 60.3   | 69.3   | 61.2   | 65.3   | 49.8   |
| 40°   | 39.0   | 50.3   | 43.3   | 47.8   | 36.7   |
| 42.5° | 32.0   | 38.7   | 35.6   | 37.9   | 32.7   |
| 45°   | 25.4   | 31.5   | 31.5   | 31.5   | 25.6   |
| 47.5° | 14.0   | 21.1   | 27.0   | 21.5   | 15.0   |
| 50°   | 7.9    | 10.7   | 20.9   | 11.1   | 8.4    |
| 52.5° | 5.4    | 6.1    | 14.3   | 6.4    | 5.7    |
| 55°   | 4.1    | 4.3    | 7.7    | 4.5    | 4.3    |
| 57.5° | 3.2    | 3.4    | 4.1    | 3.4    | 3.2    |
| 60°   | 2.5    | 2.5    | 2.9    | 2.7    | 2.5    |
| 62.5° | 1.8    | 1.8    | 2.1    | 1.8    | 1.8    |
| 65°   | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    |
| 67.5° | 0.7    | 0.9    | 0.9    | 0.9    | 0.9    |
| 70°   | 0.7    | 0.5    | 0.5    | 0.5    | 0.7    |
| 72.5° | 0.5    | 0.2    | 0.2    | 0.2    | 0.2    |
| 75°   | 0.0    | 0.0    | 0.2    | 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    |



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— 0°-180°    - - 45°-225°    - - - 90°-270°







(END OF REPORT)