

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1438753

Luminaire Tested: CB2-0U-030D-927-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1438753
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2312-242-18)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB2-0U-030D-927-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE
2-INCH APERTURE
DOWNLIGHT 300 LUMENS PER FOOT
DIRECT ONLY
Light Source: 2700K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

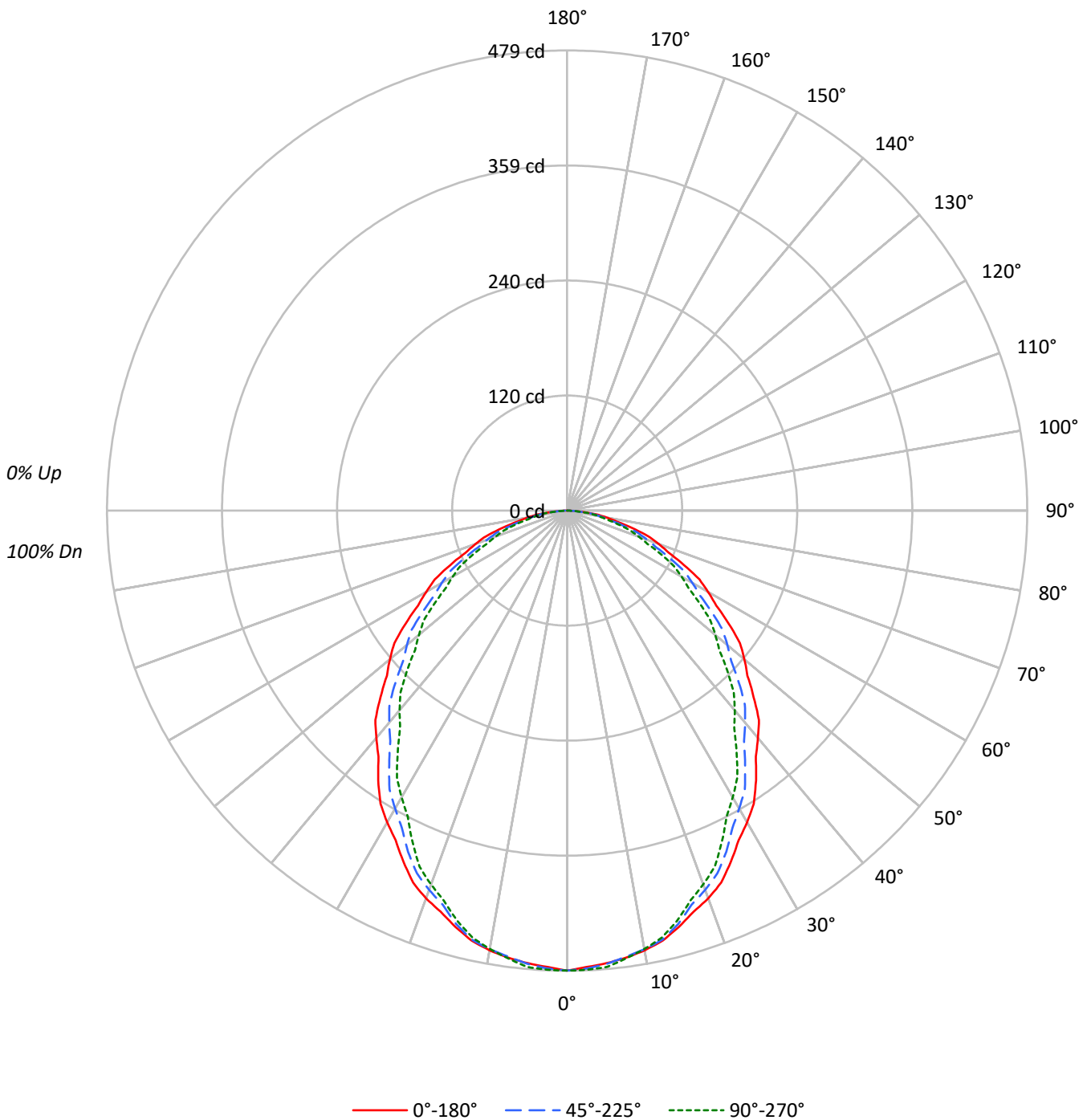
Lumens per Lamp: N/A
Luminaire Lumens: 1116.4 lumens
Efficiency: N/A
Efficacy: 115.1 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.23
Luminous Opening: Rectangular (W 0.15' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 9.7
Input Voltage (V): 120
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





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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 | 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 | 109 | 105 | 101 | 97 | 107 | 103 | 99 | 95 | 98 | 95 | 92 | 94 | 92 | 90 | 91 | 89 | 87 | 85 | | | | | 85 | | | |
| 2 | 100 | 92 | 86 | 80 | 97 | 90 | 84 | 79 | 87 | 82 | 77 | 83 | 79 | 76 | 80 | 77 | 74 | 72 | | | | | 72 | | | |
| 3 | 91 | 81 | 74 | 67 | 89 | 80 | 73 | 67 | 77 | 71 | 66 | 74 | 69 | 64 | 72 | 67 | 63 | 61 | | | | | 61 | | | |
| 4 | 84 | 73 | 64 | 58 | 82 | 71 | 63 | 57 | 69 | 62 | 56 | 66 | 60 | 56 | 64 | 59 | 55 | 53 | | | | | 53 | | | |
| 5 | 78 | 65 | 56 | 50 | 76 | 64 | 56 | 50 | 62 | 55 | 49 | 60 | 54 | 49 | 58 | 53 | 48 | 46 | | | | | 46 | | | |
| 6 | 72 | 59 | 50 | 44 | 70 | 58 | 50 | 44 | 56 | 49 | 43 | 55 | 48 | 43 | 53 | 47 | 43 | 41 | | | | | 41 | | | |
| 7 | 67 | 54 | 45 | 39 | 65 | 53 | 45 | 39 | 51 | 44 | 39 | 50 | 43 | 38 | 49 | 43 | 38 | 36 | | | | | 36 | | | |
| 8 | 62 | 49 | 41 | 35 | 61 | 48 | 41 | 35 | 47 | 40 | 35 | 46 | 39 | 35 | 45 | 39 | 34 | 33 | | | | | 33 | | | |
| 9 | 58 | 45 | 37 | 32 | 57 | 45 | 37 | 32 | 44 | 37 | 32 | 42 | 36 | 31 | 41 | 36 | 31 | 29 | | | | | 29 | | | |
| 10 | 55 | 42 | 34 | 29 | 54 | 41 | 34 | 29 | 40 | 34 | 29 | 39 | 33 | 29 | 39 | 33 | 29 | 27 | | | | | 27 | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 8339 | 8339 | 8339 |
| 5° | 8268 | 8280 | 8338 |
| 10° | 8220 | 8201 | 8196 |
| 15° | 8091 | 8039 | 7972 |
| 20° | 7963 | 7787 | 7677 |
| 25° | 7749 | 7531 | 7320 |
| 30° | 7534 | 7202 | 6931 |
| 35° | 7289 | 6868 | 6540 |
| 40° | 7026 | 6550 | 6168 |
| 45° | 6764 | 6222 | 5806 |
| 50° | 6525 | 5899 | 5455 |
| 55° | 6234 | 5566 | 5120 |
| 60° | 5901 | 5250 | 4790 |
| 65° | 5543 | 4896 | 4455 |
| 70° | 5154 | 4497 | 4033 |
| 75° | 4690 | 4071 | 3654 |
| 80° | 4193 | 3571 | 3310 |
| 85° | 3217 | 2938 | 2418 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 6764 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 45.0 | 4.0 |
| 10°-20° | 125.5 | 11.2 |
| 20°-30° | 180.4 | 16.2 |
| 30°-40° | 202.8 | 18.2 |
| 40°-50° | 195.9 | 17.5 |
| 50°-60° | 165.5 | 14.8 |
| 60°-70° | 118.9 | 10.7 |
| 70°-80° | 65.0 | 5.8 |
| 80°-90° | 17.3 | 1.5 |
| 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° | 351.0 | 31.4 |
| 0°-40° | 553.8 | 49.6 |
| 0°-60° | 915.2 | 82.0 |
| 0°-90° | 1116.4 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1116.4 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 479 | 479 | 479 | 479 | 479 | |
| 5° | 473 | 479 | 474 | 474 | 477 | 45 |
| 15° | 449 | 453 | 446 | 441 | 442 | 126 |
| 25° | 403 | 404 | 392 | 383 | 381 | 186 |
| 35° | 343 | 339 | 323 | 310 | 308 | 214 |
| 45° | 275 | 269 | 253 | 239 | 236 | 212 |
| 55° | 205 | 198 | 183 | 172 | 169 | 184 |
| 65° | 134 | 130 | 119 | 110 | 108 | 133 |
| 75° | 70 | 65 | 60 | 56 | 54 | 75 |
| 85° | 16 | 15 | 15 | 13 | 12 | 20 |
| 90° | 0 | 0 | 0 | 0 | 0 | |

TEST NUMBER: P1438753

CATALOG NUMBER: CB2-OU-030D-927-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|-------|-------|-------|-------|-------|
| 0° | 478.8 | 478.8 | 478.8 | 478.8 | 478.8 |
| 2.5° | 475.5 | 481.3 | 477.0 | 477.6 | 478.5 |
| 5° | 472.9 | 479.3 | 473.6 | 473.7 | 476.9 |
| 7.5° | 469.5 | 475.6 | 468.4 | 467.1 | 470.1 |
| 10° | 464.8 | 470.9 | 463.7 | 461.2 | 463.4 |
| 12.5° | 458.7 | 464.5 | 457.6 | 453.6 | 455.4 |
| 15° | 448.7 | 452.6 | 445.8 | 441.4 | 442.1 |
| 17.5° | 437.8 | 440.3 | 430.4 | 426.7 | 426.0 |
| 20° | 429.6 | 431.8 | 420.1 | 415.0 | 414.2 |
| 22.5° | 419.1 | 420.9 | 408.7 | 402.3 | 401.3 |
| 25° | 403.2 | 403.6 | 391.9 | 383.0 | 380.9 |
| 27.5° | 386.7 | 385.5 | 372.5 | 362.0 | 359.2 |
| 30° | 374.6 | 373.2 | 358.1 | 347.1 | 344.6 |
| 32.5° | 361.7 | 359.2 | 344.1 | 332.1 | 329.6 |
| 35° | 342.8 | 338.8 | 323.0 | 310.4 | 307.6 |
| 37.5° | 322.5 | 318.1 | 302.5 | 288.9 | 285.6 |
| 40° | 309.0 | 304.0 | 288.1 | 274.5 | 271.3 |
| 42.5° | 295.5 | 289.9 | 273.8 | 260.1 | 256.6 |
| 45° | 274.6 | 268.8 | 252.6 | 239.3 | 235.7 |
| 47.5° | 254.6 | 247.3 | 231.5 | 218.3 | 214.7 |
| 50° | 240.8 | 233.0 | 217.7 | 204.8 | 201.3 |
| 52.5° | 226.8 | 218.6 | 204.0 | 191.6 | 188.1 |
| 55° | 205.3 | 197.8 | 183.3 | 171.9 | 168.6 |
| 57.5° | 184.0 | 176.8 | 163.6 | 152.6 | 149.5 |
| 60° | 169.4 | 163.3 | 150.7 | 140.3 | 137.5 |
| 62.5° | 155.3 | 149.8 | 137.8 | 128.3 | 125.4 |
| 65° | 134.5 | 129.5 | 118.8 | 110.3 | 108.1 |
| 67.5° | 114.4 | 109.4 | 100.7 | 93.1 | 90.6 |
| 70° | 101.2 | 96.2 | 88.3 | 81.3 | 79.2 |
| 72.5° | 88.6 | 83.3 | 76.9 | 70.5 | 68.9 |
| 75° | 69.7 | 65.3 | 60.5 | 55.7 | 54.3 |
| 77.5° | 52.9 | 48.8 | 45.2 | 41.9 | 41.5 |
| 80° | 41.8 | 38.2 | 35.6 | 33.4 | 33.0 |
| 82.5° | 31.2 | 28.5 | 26.8 | 25.1 | 25.1 |
| 85° | 16.1 | 15.1 | 14.7 | 12.8 | 12.1 |
| 87.5° | 4.7 | 4.7 | 4.1 | 3.5 | 3.5 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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CIE UGR TABLE:

| Reflectances: | | | | | | | | | | | |
|-----------------|------|------------------|-------|-------|-------|-------|----------------|-------|-------|-------|-------|
| Ceiling | | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 |
| Wall | | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 |
| Reference plane | | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| Room dimensions | | Viewed crosswise | | | | | Viewed endwise | | | | |
| X=2H | Y=2H | 18.22 | 19.80 | 18.58 | 20.11 | 20.43 | 17.12 | 18.70 | 17.48 | 19.01 | 19.33 |
| | 3H | 19.91 | 21.34 | 20.29 | 21.66 | 22.03 | 18.70 | 20.12 | 19.07 | 20.45 | 20.81 |
| | 4H | 20.57 | 21.91 | 20.97 | 22.26 | 22.64 | 19.30 | 20.64 | 19.70 | 20.99 | 21.36 |
| | 6H | 21.01 | 22.25 | 21.42 | 22.61 | 23.01 | 19.71 | 20.94 | 20.12 | 21.31 | 21.70 |
| | 8H | 21.18 | 22.36 | 21.60 | 22.75 | 23.15 | 19.87 | 21.05 | 20.29 | 21.44 | 21.84 |
| | 12H | 21.27 | 22.41 | 21.70 | 22.79 | 23.22 | 19.95 | 21.08 | 20.38 | 21.46 | 21.89 |
| 4H | 2H | 18.71 | 20.05 | 19.11 | 20.40 | 20.77 | 17.83 | 19.17 | 18.23 | 19.52 | 19.90 |
| | 3H | 20.64 | 21.76 | 21.05 | 22.16 | 22.56 | 19.63 | 20.75 | 20.04 | 21.14 | 21.54 |
| | 4H | 21.41 | 22.42 | 21.84 | 22.84 | 23.27 | 20.33 | 21.34 | 20.76 | 21.75 | 22.19 |
| | 6H | 21.97 | 22.85 | 22.43 | 23.29 | 23.75 | 20.84 | 21.72 | 21.30 | 22.17 | 22.62 |
| | 8H | 22.19 | 23.01 | 22.65 | 23.46 | 23.92 | 21.05 | 21.87 | 21.51 | 22.32 | 22.78 |
| | 12H | 22.33 | 23.07 | 22.81 | 23.54 | 24.01 | 21.17 | 21.91 | 21.65 | 22.39 | 22.86 |
| 8H | 4H | 21.62 | 22.44 | 22.08 | 22.89 | 23.35 | 20.66 | 21.48 | 21.12 | 21.92 | 22.39 |
| | 6H | 22.29 | 22.97 | 22.79 | 23.46 | 23.94 | 21.29 | 21.97 | 21.79 | 22.46 | 22.94 |
| | 8H | 22.59 | 23.20 | 23.10 | 23.71 | 24.19 | 21.57 | 22.18 | 22.08 | 22.69 | 23.18 |
| | 12H | 22.79 | 23.34 | 23.30 | 23.83 | 24.39 | 21.75 | 22.29 | 22.26 | 22.79 | 23.35 |
| 12H | 4H | 21.64 | 22.37 | 22.12 | 22.85 | 23.32 | 20.69 | 21.43 | 21.18 | 21.91 | 22.38 |
| | 6H | 22.33 | 22.94 | 22.84 | 23.45 | 23.93 | 21.36 | 21.97 | 21.87 | 22.48 | 22.97 |
| | 8H | 22.68 | 23.22 | 23.18 | 23.71 | 24.27 | 21.70 | 22.24 | 22.21 | 22.73 | 23.29 |