

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: P1438757

Luminaire Tested: CB2-0U-030D-935-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1438757
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-935-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE
2-INCH APERTURE
DOWNLIGHT 300 LUMENS PER FOOT
DIRECT ONLY
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

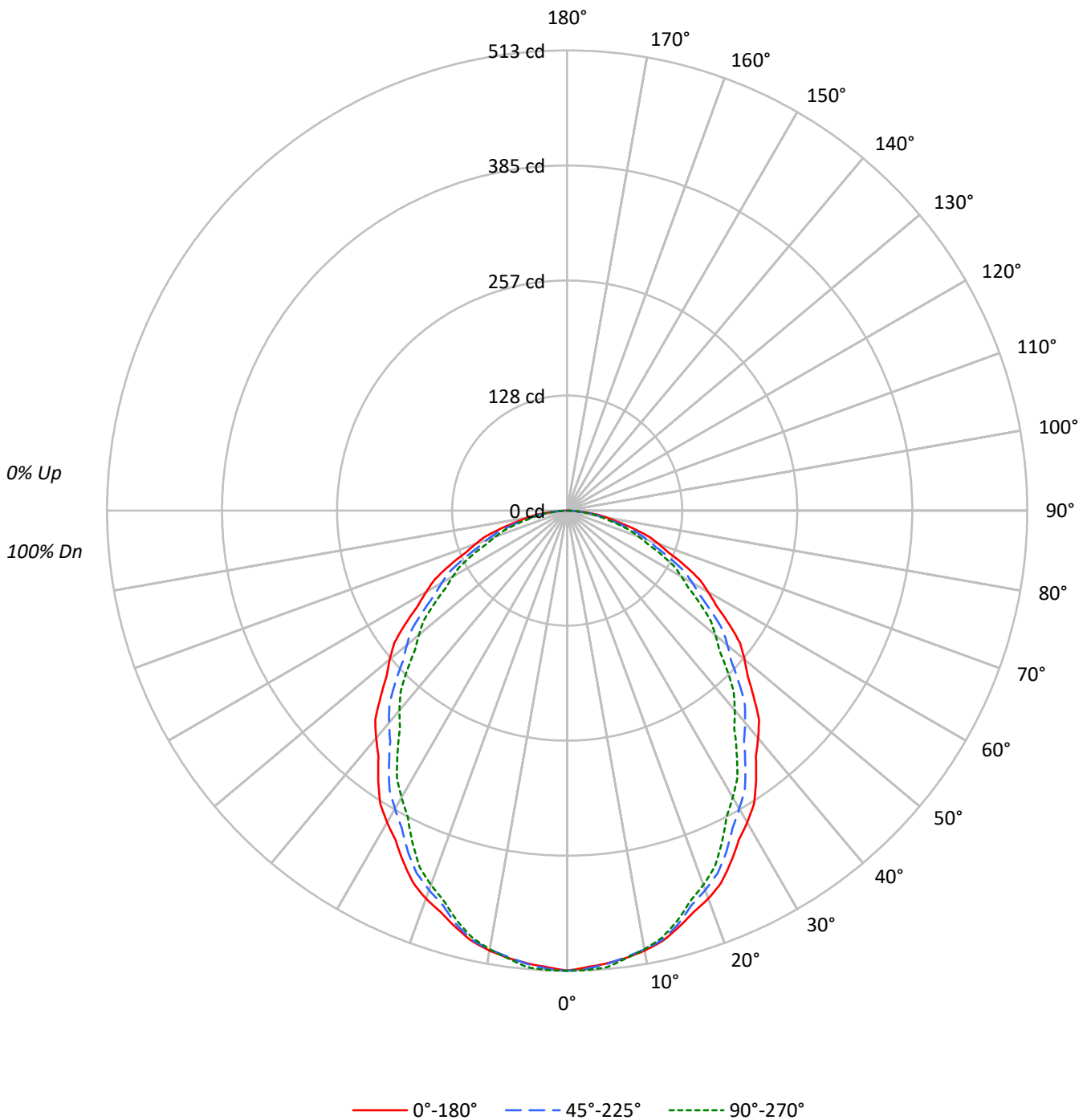
Lumens per Lamp: N/A
Luminaire Lumens: 1196.2 lumens
Efficiency: N/A
Efficacy: 123.3 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.23
Luminous Opening: Rectangular (W 0.15' x L: 4' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 8935 | 8935 | 8935 |
| 5° | 8859 | 8873 | 8934 |
| 10° | 8809 | 8788 | 8781 |
| 15° | 8670 | 8612 | 8542 |
| 20° | 8534 | 8343 | 8228 |
| 25° | 8304 | 8070 | 7843 |
| 30° | 8073 | 7719 | 7425 |
| 35° | 7810 | 7359 | 7008 |
| 40° | 7528 | 7019 | 6610 |
| 45° | 7247 | 6665 | 6222 |
| 50° | 6994 | 6322 | 5842 |
| 55° | 6681 | 5964 | 5487 |
| 60° | 6322 | 5622 | 5131 |
| 65° | 5943 | 5246 | 4777 |
| 70° | 5520 | 4823 | 4318 |
| 75° | 5020 | 4361 | 3910 |
| 80° | 4494 | 3822 | 3551 |
| 85° | 3457 | 3138 | 2598 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 7247 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 48.2 | 4.0 |
| 10°-20° | 134.5 | 11.2 |
| 20°-30° | 193.4 | 16.2 |
| 30°-40° | 217.3 | 18.2 |
| 40°-50° | 209.9 | 17.5 |
| 50°-60° | 177.4 | 14.8 |
| 60°-70° | 127.4 | 10.7 |
| 70°-80° | 69.6 | 5.8 |
| 80°-90° | 18.5 | 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° | 376.1 | 31.4 |
| 0°-40° | 593.4 | 49.6 |
| 0°-60° | 980.7 | 82.0 |
| 0°-90° | 1196.2 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1196.2 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 513 | 513 | 513 | 513 | 513 | |
| 5° | 507 | 514 | 508 | 508 | 511 | 48 |
| 15° | 481 | 485 | 478 | 473 | 474 | 136 |
| 25° | 432 | 432 | 420 | 410 | 408 | 199 |
| 35° | 367 | 363 | 346 | 333 | 330 | 229 |
| 45° | 294 | 288 | 271 | 256 | 253 | 227 |
| 55° | 220 | 212 | 196 | 184 | 181 | 197 |
| 65° | 144 | 139 | 127 | 118 | 116 | 143 |
| 75° | 75 | 70 | 65 | 60 | 58 | 80 |
| 85° | 17 | 16 | 16 | 14 | 13 | 21 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1438757

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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|-------|-------|-------|-------|-------|
| 0° | 513.0 | 513.0 | 513.0 | 513.0 | 513.0 |
| 2.5° | 509.5 | 515.7 | 511.1 | 511.8 | 512.7 |
| 5° | 506.7 | 513.6 | 507.5 | 507.6 | 511.0 |
| 7.5° | 503.1 | 509.6 | 501.9 | 500.5 | 503.7 |
| 10° | 498.1 | 504.6 | 496.9 | 494.2 | 496.5 |
| 12.5° | 491.5 | 497.7 | 490.3 | 486.0 | 488.0 |
| 15° | 480.8 | 485.0 | 477.6 | 472.9 | 473.7 |
| 17.5° | 469.2 | 471.8 | 461.1 | 457.2 | 456.4 |
| 20° | 460.4 | 462.7 | 450.1 | 444.6 | 443.9 |
| 22.5° | 449.0 | 451.0 | 437.9 | 431.1 | 430.0 |
| 25° | 432.1 | 432.5 | 419.9 | 410.4 | 408.1 |
| 27.5° | 414.3 | 413.1 | 399.2 | 387.9 | 384.9 |
| 30° | 401.4 | 399.9 | 383.8 | 371.9 | 369.2 |
| 32.5° | 387.6 | 384.8 | 368.7 | 355.9 | 353.2 |
| 35° | 367.3 | 363.0 | 346.1 | 332.6 | 329.6 |
| 37.5° | 345.6 | 340.8 | 324.1 | 309.5 | 306.1 |
| 40° | 331.1 | 325.8 | 308.7 | 294.1 | 290.7 |
| 42.5° | 316.7 | 310.7 | 293.3 | 278.7 | 275.0 |
| 45° | 294.2 | 288.1 | 270.6 | 256.4 | 252.6 |
| 47.5° | 272.8 | 265.0 | 248.1 | 233.9 | 230.1 |
| 50° | 258.1 | 249.6 | 233.3 | 219.5 | 215.6 |
| 52.5° | 243.0 | 234.2 | 218.6 | 205.3 | 201.5 |
| 55° | 220.0 | 211.9 | 196.4 | 184.1 | 180.7 |
| 57.5° | 197.2 | 189.4 | 175.3 | 163.6 | 160.2 |
| 60° | 181.5 | 174.9 | 161.4 | 150.4 | 147.3 |
| 62.5° | 166.4 | 160.5 | 147.6 | 137.5 | 134.4 |
| 65° | 144.2 | 138.8 | 127.3 | 118.2 | 115.9 |
| 67.5° | 122.6 | 117.2 | 107.9 | 99.7 | 97.1 |
| 70° | 108.4 | 103.0 | 94.7 | 87.1 | 84.8 |
| 72.5° | 94.9 | 89.2 | 82.4 | 75.5 | 73.8 |
| 75° | 74.6 | 70.0 | 64.8 | 59.7 | 58.1 |
| 77.5° | 56.7 | 52.3 | 48.5 | 44.8 | 44.5 |
| 80° | 44.8 | 40.9 | 38.1 | 35.7 | 35.4 |
| 82.5° | 33.5 | 30.5 | 28.7 | 26.9 | 26.9 |
| 85° | 17.3 | 16.1 | 15.7 | 13.7 | 13.0 |
| 87.5° | 5.0 | 5.0 | 4.4 | 3.8 | 3.8 |
| 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 | 18.46 | 20.04 | 18.82 | 20.35 | 20.67 | 17.36 | 18.94 | 17.73 | 19.25 | 19.57 |
| | 3H | 20.15 | 21.58 | 20.53 | 21.90 | 22.26 | 18.94 | 20.36 | 19.31 | 20.69 | 21.05 |
| | 4H | 20.81 | 22.15 | 21.21 | 22.50 | 22.88 | 19.54 | 20.88 | 19.94 | 21.23 | 21.60 |
| | 6H | 21.25 | 22.49 | 21.66 | 22.85 | 23.24 | 19.95 | 21.19 | 20.36 | 21.55 | 21.94 |
| | 8H | 21.42 | 22.60 | 21.84 | 22.99 | 23.39 | 20.11 | 21.29 | 20.53 | 21.68 | 22.08 |
| | 12H | 21.51 | 22.65 | 21.94 | 23.03 | 23.46 | 20.19 | 21.32 | 20.62 | 21.71 | 22.13 |
| 4H | 2H | 18.95 | 20.29 | 19.35 | 20.63 | 21.01 | 18.08 | 19.41 | 18.47 | 19.76 | 20.14 |
| | 3H | 20.88 | 22.00 | 21.29 | 22.39 | 22.79 | 19.87 | 20.99 | 20.28 | 21.39 | 21.79 |
| | 4H | 21.65 | 22.66 | 22.08 | 23.07 | 23.51 | 20.57 | 21.58 | 21.00 | 21.99 | 22.43 |
| | 6H | 22.21 | 23.09 | 22.66 | 23.53 | 23.99 | 21.08 | 21.96 | 21.54 | 22.41 | 22.86 |
| | 8H | 22.43 | 23.25 | 22.89 | 23.70 | 24.16 | 21.29 | 22.11 | 21.75 | 22.56 | 23.02 |
| | 12H | 22.57 | 23.31 | 23.05 | 23.78 | 24.25 | 21.41 | 22.15 | 21.89 | 22.63 | 23.10 |
| 8H | 4H | 21.86 | 22.68 | 22.32 | 23.13 | 23.59 | 20.90 | 21.72 | 21.36 | 22.16 | 22.63 |
| | 6H | 22.53 | 23.21 | 23.03 | 23.70 | 24.18 | 21.53 | 22.21 | 22.03 | 22.70 | 23.18 |
| | 8H | 22.83 | 23.44 | 23.34 | 23.95 | 24.43 | 21.81 | 22.42 | 22.32 | 22.93 | 23.42 |
| | 12H | 23.03 | 23.57 | 23.54 | 24.07 | 24.63 | 21.99 | 22.53 | 22.50 | 23.02 | 23.59 |
| 12H | 4H | 21.87 | 22.61 | 22.36 | 23.09 | 23.56 | 20.93 | 21.67 | 21.42 | 22.15 | 22.62 |
| | 6H | 22.56 | 23.18 | 23.08 | 23.68 | 24.17 | 21.60 | 22.21 | 22.11 | 22.72 | 23.20 |
| | 8H | 22.91 | 23.46 | 23.42 | 23.95 | 24.51 | 21.94 | 22.48 | 22.44 | 22.97 | 23.53 |