

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: P1438761

Luminaire Tested: CB2-0U-055D-927-1D-UNV-STD-W-4

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1438761  
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-055D-927-1D-UNV-STD-W-4  
Description: CORELITE BASIC SLOT LED LUMINAIRE  
2-INCH APERTURE  
DOWNLIGHT 550 LUMENS PER FOOT  
DIRECT ONLY  
Light Source: 2700K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

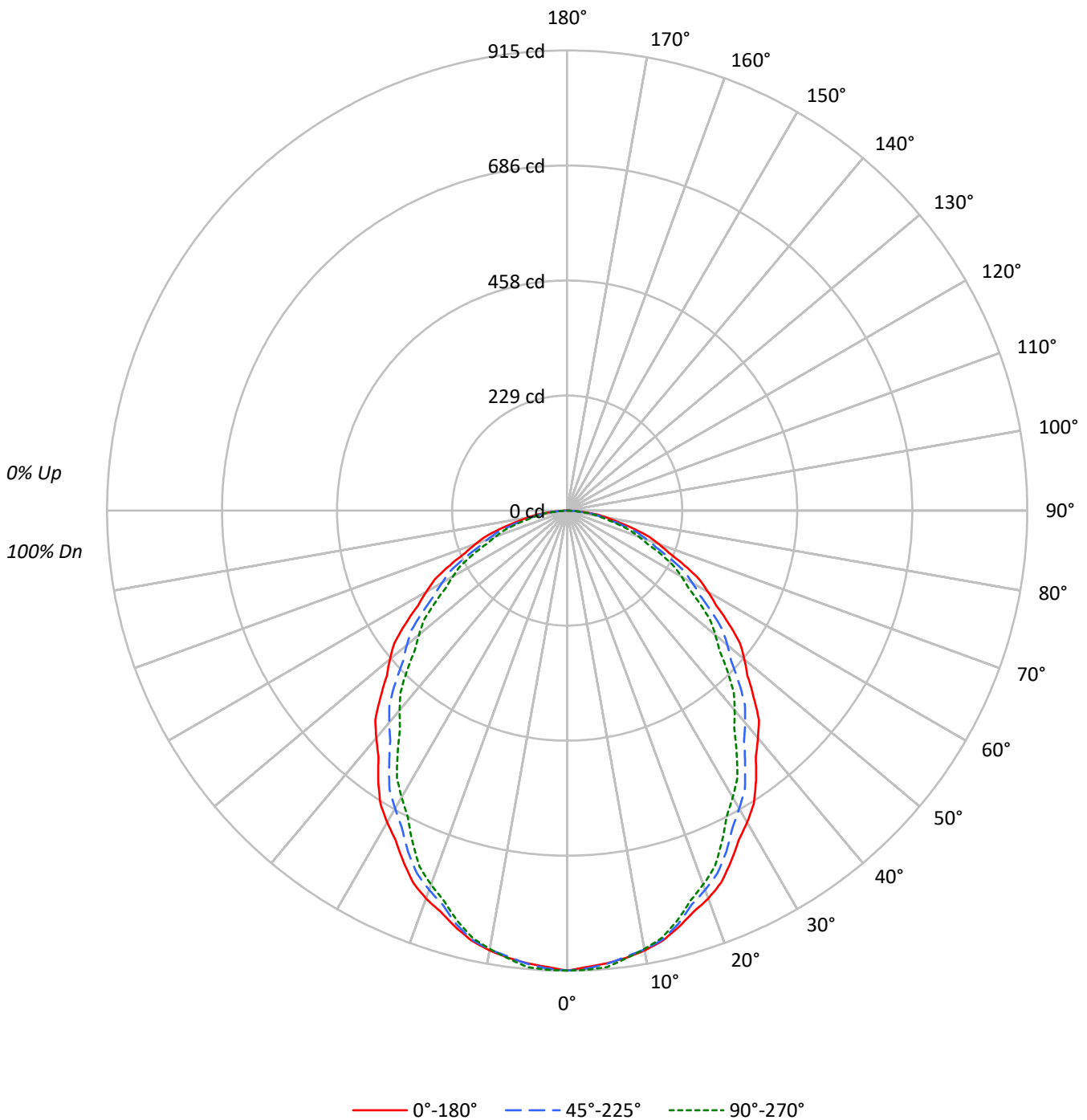
Lumens per Lamp: N/A  
Luminaire Lumens: 2132.7 lumens  
Efficiency: N/A  
Efficacy: 114.7 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24  
Luminous Opening: Rectangular (W 0.15' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 18.6  
Input Voltage (V): 120  
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

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### Luminous Intensity Polar Plot





TEST NUMBER: P1438761

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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°  | 15930 | 15930 | 15930 |
| 5°  | 15795 | 15819 | 15930 |
| 10° | 15705 | 15668 | 15656 |
| 15° | 15457 | 15356 | 15230 |
| 20° | 15214 | 14874 | 14667 |
| 25° | 14804 | 14387 | 13983 |
| 30° | 14394 | 13761 | 13240 |
| 35° | 13923 | 13119 | 12494 |
| 40° | 13424 | 12514 | 11782 |
| 45° | 12919 | 11885 | 11092 |
| 50° | 12467 | 11272 | 10419 |
| 55° | 11910 | 10634 | 9781  |
| 60° | 11269 | 10025 | 9148  |
| 65° | 10592 | 9351  | 8515  |
| 70° | 9844  | 8596  | 7705  |
| 75° | 8957  | 7779  | 6972  |
| 80° | 8004  | 6811  | 6319  |
| 85° | 6155  | 5596  | 4616  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 12919 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 86.0   | 4.0       |
| 10°-20°   | 239.8  | 11.2      |
| 20°-30°   | 344.7  | 16.2      |
| 30°-40°   | 387.5  | 18.2      |
| 40°-50°   | 374.3  | 17.5      |
| 50°-60°   | 316.2  | 14.8      |
| 60°-70°   | 227.1  | 10.7      |
| 70°-80°   | 124.2  | 5.8       |
| 80°-90°   | 33.0   | 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°    | 670.5  | 31.4      |
| 0°-40°    | 1057.9 | 49.6      |
| 0°-60°    | 1748.5 | 82.0      |
| 0°-90°    | 2132.7 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2132.7 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 915 | 915   | 915 | 915   | 915 |      |
| 5°  | 903 | 916   | 905 | 905   | 911 | 86   |
| 15° | 857 | 865   | 852 | 843   | 845 | 242  |
| 25° | 770 | 771   | 749 | 732   | 728 | 355  |
| 35° | 655 | 647   | 617 | 593   | 588 | 409  |
| 45° | 524 | 514   | 482 | 457   | 450 | 405  |
| 55° | 392 | 378   | 350 | 328   | 322 | 351  |
| 65° | 257 | 247   | 227 | 211   | 207 | 255  |
| 75° | 133 | 125   | 116 | 106   | 104 | 142  |
| 85° | 31  | 29    | 28  | 24    | 23  | 38   |
| 90° | 0   | 0     | 0   | 0     | 0   |      |



TEST NUMBER: P1438761

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 914.6 | 914.6 | 914.6 | 914.6 | 914.6 |
| 2.5°  | 908.4 | 919.4 | 911.2 | 912.4 | 914.0 |
| 5°    | 903.4 | 915.7 | 904.8 | 904.9 | 911.1 |
| 7.5°  | 896.9 | 908.6 | 894.8 | 892.3 | 898.1 |
| 10°   | 888.0 | 899.6 | 885.9 | 881.1 | 885.2 |
| 12.5° | 876.2 | 887.3 | 874.1 | 866.5 | 870.1 |
| 15°   | 857.2 | 864.7 | 851.6 | 843.2 | 844.6 |
| 17.5° | 836.4 | 841.1 | 822.2 | 815.1 | 813.8 |
| 20°   | 820.8 | 824.9 | 802.5 | 792.7 | 791.3 |
| 22.5° | 800.6 | 804.1 | 780.7 | 768.6 | 766.7 |
| 25°   | 770.3 | 771.0 | 748.6 | 731.7 | 727.6 |
| 27.5° | 738.7 | 736.5 | 711.6 | 691.6 | 686.3 |
| 30°   | 715.7 | 713.0 | 684.2 | 663.1 | 658.3 |
| 32.5° | 691.1 | 686.1 | 657.3 | 634.5 | 629.7 |
| 35°   | 654.8 | 647.3 | 617.0 | 593.0 | 587.6 |
| 37.5° | 616.1 | 607.6 | 577.9 | 551.8 | 545.7 |
| 40°   | 590.4 | 580.8 | 550.4 | 524.4 | 518.2 |
| 42.5° | 564.6 | 553.9 | 523.0 | 496.9 | 490.2 |
| 45°   | 524.5 | 513.6 | 482.5 | 457.1 | 450.3 |
| 47.5° | 486.4 | 472.5 | 442.3 | 417.1 | 410.2 |
| 50°   | 460.1 | 445.0 | 416.0 | 391.3 | 384.5 |
| 52.5° | 433.2 | 417.6 | 389.6 | 366.1 | 359.3 |
| 55°   | 392.2 | 377.8 | 350.2 | 328.3 | 322.1 |
| 57.5° | 351.6 | 337.7 | 312.5 | 291.6 | 285.6 |
| 60°   | 323.5 | 311.9 | 287.8 | 268.1 | 262.6 |
| 62.5° | 296.6 | 286.1 | 263.2 | 245.1 | 239.6 |
| 65°   | 257.0 | 247.4 | 226.9 | 210.7 | 206.6 |
| 67.5° | 218.5 | 208.9 | 192.3 | 177.8 | 173.1 |
| 70°   | 193.3 | 183.7 | 168.8 | 155.4 | 151.3 |
| 72.5° | 169.2 | 159.1 | 146.9 | 134.7 | 131.7 |
| 75°   | 133.1 | 124.8 | 115.6 | 106.4 | 103.6 |
| 77.5° | 101.1 | 93.2  | 86.4  | 80.0  | 79.3  |
| 80°   | 79.8  | 73.0  | 67.9  | 63.7  | 63.0  |
| 82.5° | 59.7  | 54.5  | 51.1  | 48.0  | 47.9  |
| 85°   | 30.8  | 28.8  | 28.0  | 24.5  | 23.1  |
| 87.5° | 9.0   | 9.0   | 7.8   | 6.7   | 6.7   |
| 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 | 20.47            | 22.05 | 20.83 | 22.36 | 22.68 | 19.37          | 20.95 | 19.73 | 21.26 | 21.58 |
|                 | 3H   | 22.16            | 23.59 | 22.54 | 23.91 | 24.27 | 20.95          | 22.37 | 21.32 | 22.70 | 23.06 |
|                 | 4H   | 22.82            | 24.16 | 23.22 | 24.51 | 24.88 | 21.55          | 22.89 | 21.95 | 23.24 | 23.61 |
|                 | 6H   | 23.26            | 24.50 | 23.67 | 24.86 | 25.25 | 21.96          | 23.19 | 22.37 | 23.56 | 23.95 |
|                 | 8H   | 23.43            | 24.61 | 23.85 | 25.00 | 25.40 | 22.12          | 23.30 | 22.54 | 23.69 | 24.09 |
|                 | 12H  | 23.52            | 24.65 | 23.95 | 25.04 | 25.46 | 22.20          | 23.33 | 22.63 | 23.71 | 24.14 |
| 4H              | 2H   | 20.96            | 22.30 | 21.36 | 22.64 | 23.02 | 20.08          | 21.42 | 20.48 | 21.77 | 22.15 |
|                 | 3H   | 22.89            | 24.00 | 23.30 | 24.40 | 24.80 | 21.88          | 23.00 | 22.29 | 23.39 | 23.79 |
|                 | 4H   | 23.66            | 24.67 | 24.09 | 25.08 | 25.52 | 22.58          | 23.59 | 23.01 | 24.00 | 24.44 |
|                 | 6H   | 24.22            | 25.10 | 24.67 | 25.54 | 26.00 | 23.09          | 23.97 | 23.55 | 24.41 | 24.87 |
|                 | 8H   | 24.44            | 25.26 | 24.90 | 25.70 | 26.17 | 23.30          | 24.12 | 23.76 | 24.56 | 25.03 |
|                 | 12H  | 24.58            | 25.32 | 25.06 | 25.79 | 26.26 | 23.42          | 24.16 | 23.90 | 24.63 | 25.10 |
| 8H              | 4H   | 23.87            | 24.69 | 24.33 | 25.14 | 25.60 | 22.91          | 23.73 | 23.37 | 24.17 | 24.64 |
|                 | 6H   | 24.54            | 25.22 | 25.04 | 25.71 | 26.19 | 23.54          | 24.22 | 24.03 | 24.71 | 25.19 |
|                 | 8H   | 24.84            | 25.45 | 25.35 | 25.96 | 26.44 | 23.82          | 24.43 | 24.33 | 24.94 | 25.43 |
|                 | 12H  | 25.04            | 25.58 | 25.55 | 26.08 | 26.64 | 24.00          | 24.54 | 24.51 | 25.03 | 25.60 |
| 12H             | 4H   | 23.88            | 24.62 | 24.36 | 25.10 | 25.57 | 22.94          | 23.68 | 23.42 | 24.16 | 24.63 |
|                 | 6H   | 24.57            | 25.19 | 25.08 | 25.69 | 26.18 | 23.61          | 24.22 | 24.12 | 24.73 | 25.21 |
|                 | 8H   | 24.92            | 25.47 | 25.43 | 25.96 | 26.52 | 23.95          | 24.49 | 24.45 | 24.98 | 25.54 |