

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: P1438780

Luminaire Tested: CB2-0U-120D-930-1D-UNV-STD-W-8

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1438780  
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-120D-930-1D-UNV-STD-W-8  
Description: CORELITE BASIC SLOT LED LUMINAIRE  
2-INCH APERTURE  
DOWNLIGHT 1200 LUMENS PER FOOT  
DIRECT ONLY  
Light Source: 3000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

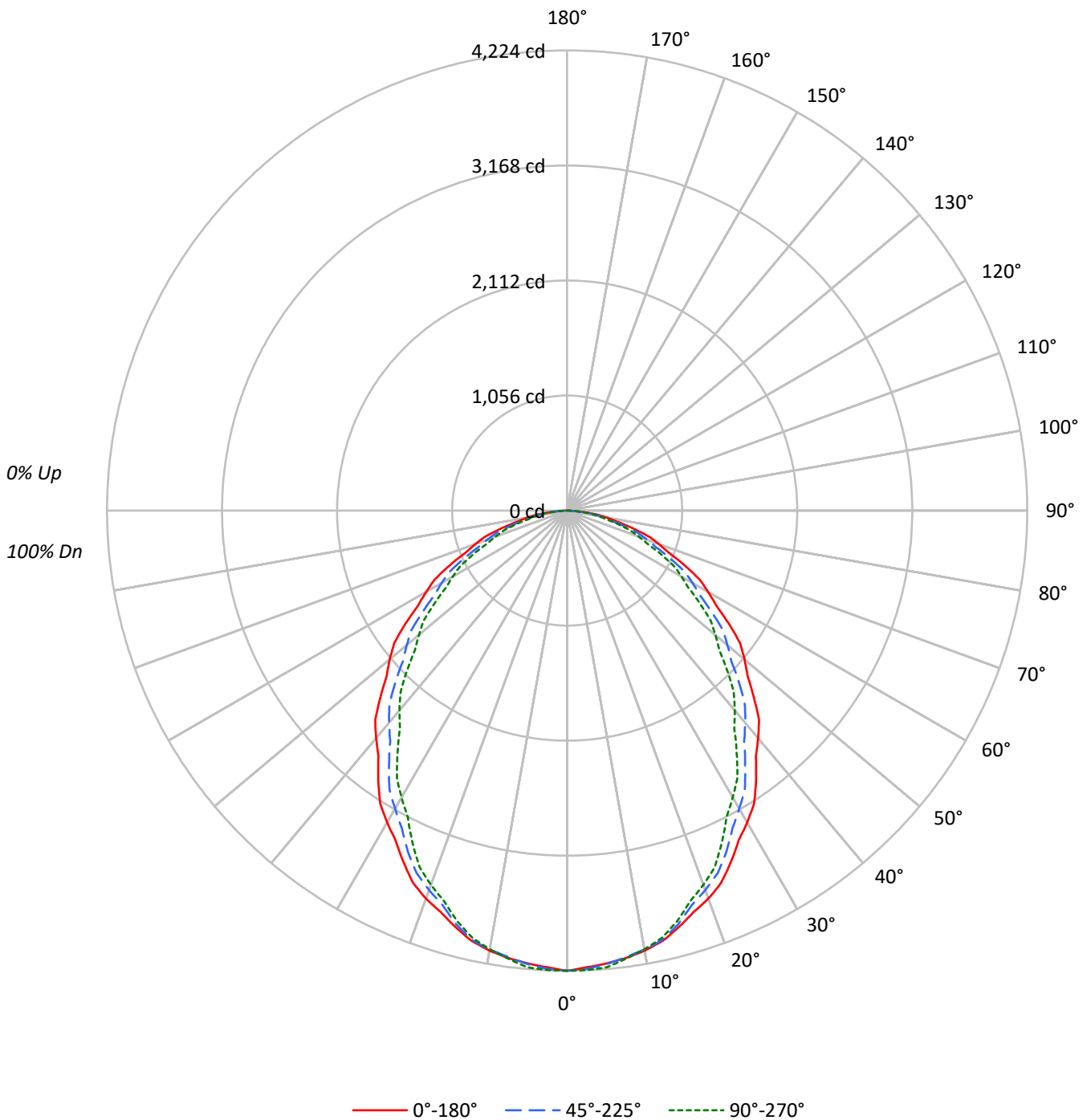
Lumens per Lamp: N/A  
Luminaire Lumens: 9850.2 lumens  
Efficiency: N/A  
Efficacy: 111.6 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24  
Luminous Opening: Rectangular (W 0.15' x L: 8' x H: 0')  
CIE Type: Direct

Input Watts (W): 88.3  
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





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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  | 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°  | 36786 | 36786 | 36786 |
| 5°  | 36475 | 36532 | 36786 |
| 10° | 36267 | 36181 | 36153 |
| 15° | 35693 | 35459 | 35168 |
| 20° | 35131 | 34351 | 33872 |
| 25° | 34187 | 33224 | 32291 |
| 30° | 33241 | 31777 | 30573 |
| 35° | 32151 | 30294 | 28850 |
| 40° | 30997 | 28901 | 27210 |
| 45° | 29837 | 27446 | 25613 |
| 50° | 28790 | 26029 | 24058 |
| 55° | 27501 | 24554 | 22589 |
| 60° | 26027 | 23153 | 21125 |
| 65° | 24460 | 21594 | 19661 |
| 70° | 22730 | 19848 | 17788 |
| 75° | 20677 | 17958 | 16107 |
| 80° | 18491 | 15732 | 14599 |
| 85° | 14219 | 12930 | 10662 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 29837 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 397.2  | 4.0       |
| 10°-20°   | 1107.3 | 11.2      |
| 20°-30°   | 1592.1 | 16.2      |
| 30°-40°   | 1789.5 | 18.2      |
| 40°-50°   | 1728.7 | 17.5      |
| 50°-60°   | 1460.6 | 14.8      |
| 60°-70°   | 1049.1 | 10.7      |
| 70°-80°   | 573.4  | 5.8       |
| 80°-90°   | 152.3  | 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°    | 3096.7 | 31.4      |
| 0°-40°    | 4886.2 | 49.6      |
| 0°-60°    | 8075.4 | 82.0      |
| 0°-90°    | 9850.2 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 9850.2 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 4224 | 4224  | 4224 | 4224  | 4224 |      |
| 5°  | 4172 | 4229  | 4179 | 4180  | 4208 | 396  |
| 15° | 3959 | 3994  | 3933 | 3894  | 3901 | 1116 |
| 25° | 3558 | 3561  | 3458 | 3380  | 3360 | 1638 |
| 35° | 3024 | 2989  | 2850 | 2739  | 2714 | 1889 |
| 45° | 2423 | 2372  | 2228 | 2111  | 2080 | 1872 |
| 55° | 1811 | 1745  | 1617 | 1516  | 1488 | 1619 |
| 65° | 1187 | 1143  | 1048 | 973   | 954  | 1177 |
| 75° | 614  | 577   | 534  | 491   | 479  | 657  |
| 85° | 142  | 133   | 129  | 113   | 107  | 175  |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 4224.1 | 4224.1 | 4224.1 | 4224.1 | 4224.1 |
| 2.5°  | 4195.7 | 4246.3 | 4208.6 | 4214.0 | 4221.5 |
| 5°    | 4172.4 | 4229.3 | 4178.9 | 4179.5 | 4208.0 |
| 7.5°  | 4142.6 | 4196.4 | 4132.9 | 4121.2 | 4147.8 |
| 10°   | 4101.2 | 4155.0 | 4091.5 | 4069.3 | 4088.3 |
| 12.5° | 4046.9 | 4098.1 | 4037.2 | 4002.0 | 4018.4 |
| 15°   | 3958.9 | 3993.7 | 3933.0 | 3894.4 | 3900.7 |
| 17.5° | 3863.2 | 3884.7 | 3797.2 | 3764.7 | 3758.4 |
| 20°   | 3790.7 | 3809.7 | 3706.6 | 3661.2 | 3654.9 |
| 22.5° | 3697.6 | 3714.0 | 3605.7 | 3549.9 | 3541.0 |
| 25°   | 3557.8 | 3561.0 | 3457.6 | 3379.5 | 3360.5 |
| 27.5° | 3411.7 | 3401.5 | 3286.8 | 3194.4 | 3169.7 |
| 30°   | 3305.6 | 3292.9 | 3160.0 | 3062.5 | 3040.3 |
| 32.5° | 3191.7 | 3168.9 | 3035.8 | 2930.5 | 2908.4 |
| 35°   | 3024.2 | 2989.4 | 2849.5 | 2739.0 | 2713.7 |
| 37.5° | 2845.6 | 2806.4 | 2669.0 | 2548.7 | 2520.2 |
| 40°   | 2726.6 | 2682.3 | 2542.2 | 2421.9 | 2393.5 |
| 42.5° | 2607.6 | 2558.2 | 2415.5 | 2295.1 | 2264.1 |
| 45°   | 2422.6 | 2372.0 | 2228.5 | 2111.3 | 2079.7 |
| 47.5° | 2246.6 | 2182.1 | 2042.9 | 1926.3 | 1894.7 |
| 50°   | 2125.0 | 2055.4 | 1921.2 | 1807.3 | 1775.7 |
| 52.5° | 2000.8 | 1928.7 | 1799.6 | 1690.9 | 1659.2 |
| 55°   | 1811.3 | 1744.9 | 1617.2 | 1516.3 | 1487.8 |
| 57.5° | 1623.7 | 1559.8 | 1443.2 | 1346.8 | 1319.0 |
| 60°   | 1494.3 | 1440.5 | 1329.3 | 1238.2 | 1212.9 |
| 62.5° | 1370.1 | 1321.4 | 1215.5 | 1132.1 | 1106.8 |
| 65°   | 1187.0 | 1142.8 | 1047.9 | 973.1  | 954.1  |
| 67.5° | 1009.1 | 964.9  | 888.2  | 821.1  | 799.5  |
| 70°   | 892.7  | 848.4  | 779.5  | 717.6  | 698.6  |
| 72.5° | 781.4  | 734.6  | 678.6  | 622.0  | 608.1  |
| 75°   | 614.5  | 576.6  | 533.7  | 491.3  | 478.7  |
| 77.5° | 467.0  | 430.4  | 399.1  | 369.3  | 366.1  |
| 80°   | 368.7  | 337.1  | 313.7  | 294.3  | 291.1  |
| 82.5° | 275.6  | 251.5  | 236.1  | 221.9  | 221.2  |
| 85°   | 142.3  | 132.8  | 129.4  | 113.1  | 106.7  |
| 87.5° | 41.4   | 41.4   | 36.2   | 31.1   | 31.1   |
| 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 | 23.38            | 24.96 | 23.74 | 25.27 | 25.58 | 22.28          | 23.86 | 22.64 | 24.17 | 24.48 |
|                 | 3H   | 25.07            | 26.49 | 25.45 | 26.82 | 27.18 | 23.85          | 25.28 | 24.23 | 25.60 | 25.96 |
|                 | 4H   | 25.73            | 27.07 | 26.13 | 27.42 | 27.79 | 24.46          | 25.80 | 24.86 | 26.14 | 26.52 |
|                 | 6H   | 26.17            | 27.40 | 26.58 | 27.77 | 28.16 | 24.86          | 26.10 | 25.27 | 26.47 | 26.86 |
|                 | 8H   | 26.33            | 27.52 | 26.76 | 27.90 | 28.30 | 25.02          | 26.20 | 25.45 | 26.59 | 26.99 |
|                 | 12H  | 26.43            | 27.56 | 26.86 | 27.94 | 28.37 | 25.11          | 26.24 | 25.54 | 26.62 | 27.05 |
| 4H              | 2H   | 23.87            | 25.20 | 24.26 | 25.55 | 25.93 | 22.99          | 24.33 | 23.39 | 24.68 | 25.05 |
|                 | 3H   | 25.80            | 26.91 | 26.21 | 27.31 | 27.71 | 24.79          | 25.90 | 25.20 | 26.30 | 26.70 |
|                 | 4H   | 26.57            | 27.58 | 27.00 | 27.99 | 28.43 | 25.49          | 26.50 | 25.92 | 26.91 | 27.35 |
|                 | 6H   | 27.13            | 28.01 | 27.58 | 28.45 | 28.90 | 26.00          | 26.88 | 26.46 | 27.32 | 27.78 |
|                 | 8H   | 27.35            | 28.17 | 27.81 | 28.61 | 29.08 | 26.21          | 27.03 | 26.67 | 27.47 | 27.94 |
|                 | 12H  | 27.49            | 28.22 | 27.97 | 28.70 | 29.17 | 26.33          | 27.06 | 26.81 | 27.54 | 28.01 |
| 8H              | 4H   | 26.78            | 27.60 | 27.24 | 28.04 | 28.51 | 25.81          | 26.64 | 26.28 | 27.08 | 27.55 |
|                 | 6H   | 27.45            | 28.13 | 27.94 | 28.62 | 29.10 | 26.45          | 27.13 | 26.94 | 27.62 | 28.09 |
|                 | 8H   | 27.74            | 28.36 | 28.26 | 28.86 | 29.35 | 26.73          | 27.34 | 27.24 | 27.85 | 28.33 |
|                 | 12H  | 27.95            | 28.49 | 28.46 | 28.98 | 29.55 | 26.91          | 27.45 | 27.42 | 27.94 | 28.50 |
| 12H             | 4H   | 26.79            | 27.53 | 27.27 | 28.01 | 28.48 | 25.85          | 26.59 | 26.33 | 27.07 | 27.54 |
|                 | 6H   | 27.48            | 28.09 | 27.99 | 28.60 | 29.09 | 26.51          | 27.13 | 27.03 | 27.63 | 28.12 |
|                 | 8H   | 27.83            | 28.37 | 28.34 | 28.86 | 29.43 | 26.85          | 27.39 | 27.36 | 27.89 | 28.45 |