

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: P1439292

Luminaire Tested: CB3-0U-085D-930-1D-UNV-STD-W-8

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439292  
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2312-242-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/31/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: CB3-0U-085D-930-1D-UNV-STD-W-8  
Description: CORELITE BASIC SLOT LED LUMINAIRE  
3-INCH APERTURE  
DOWNLIGHT 850 LUMENS PER FOOT  
DIRECT ONLY  
Light Source: 3000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

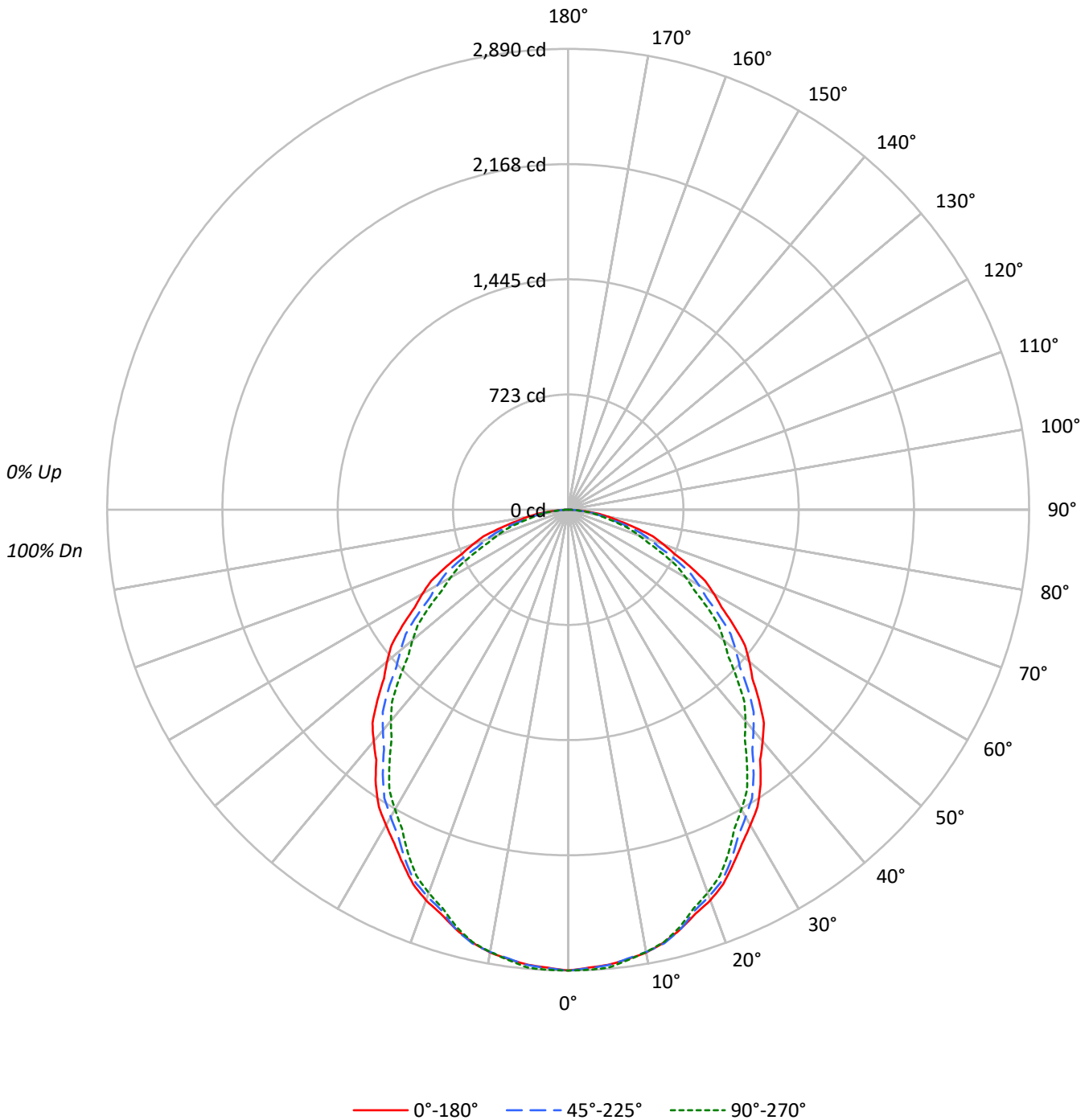
Lumens per Lamp: N/A  
Luminaire Lumens: 6918.9 lumens  
Efficiency: N/A  
Efficacy: 133.3 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')  
CIE Type: Direct

Input Watts (W): 51.9  
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  | 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  | 96  | 98  | 95  | 93  | 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  | 72  | 64  | 58  | 82  | 71  | 63  | 57  | 69  | 62  | 56  | 66  | 60  | 56  | 64  | 59  | 55  | 53  |    |    |    |    | 53  |   |  |   |
| 5   | 78  | 65  | 56  | 50  | 75  | 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  | 54  | 48  | 43  | 53  | 47  | 43  | 41  |    |    |    |    | 41  |   |  |   |
| 7   | 67  | 54  | 45  | 39  | 65  | 53  | 45  | 39  | 51  | 44  | 39  | 50  | 43  | 38  | 48  | 43  | 38  | 36  |    |    |    |    | 36  |   |  |   |
| 8   | 62  | 49  | 41  | 35  | 61  | 48  | 40  | 35  | 47  | 40  | 35  | 46  | 39  | 34  | 45  | 39  | 34  | 32  |    |    |    |    | 32  |   |  |   |
| 9   | 58  | 45  | 37  | 32  | 57  | 45  | 37  | 32  | 43  | 36  | 31  | 42  | 36  | 31  | 41  | 35  | 31  | 29  |    |    |    |    | 29  |   |  |   |
| 10  | 55  | 42  | 34  | 29  | 53  | 41  | 34  | 29  | 40  | 33  | 29  | 39  | 33  | 29  | 38  | 33  | 28  | 27  |    |    |    |    | 27  |   |  |   |

**AVERAGE LUMINANCE (cd/sqm):**

|     | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 16350 | 16350 | 16350 |
| 5°  | 16272 | 16284 | 16377 |
| 10° | 16201 | 16177 | 16177 |
| 15° | 15952 | 15952 | 15856 |
| 20° | 15693 | 15533 | 15396 |
| 25° | 15298 | 15105 | 14836 |
| 30° | 14923 | 14534 | 14186 |
| 35° | 14529 | 13991 | 13495 |
| 40° | 14006 | 13339 | 12763 |
| 45° | 13531 | 12759 | 11971 |
| 50° | 13042 | 12067 | 11200 |
| 55° | 12511 | 11398 | 10467 |
| 60° | 11937 | 10706 | 9638  |
| 65° | 11265 | 9919  | 8765  |
| 70° | 10490 | 8997  | 7809  |
| 75° | 9510  | 7895  | 6953  |
| 80° | 8291  | 6620  | 6151  |
| 85° | 6394  | 5595  | 5595  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 13531 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 272.7  | 3.9       |
| 10°-20°   | 766.1  | 11.1      |
| 20°-30°   | 1113.0 | 16.1      |
| 30°-40°   | 1265.4 | 18.3      |
| 40°-50°   | 1228.4 | 17.8      |
| 50°-60°   | 1037.1 | 15.0      |
| 60°-70°   | 737.9  | 10.7      |
| 70°-80°   | 394.2  | 5.7       |
| 80°-90°   | 104.2  | 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°    | 2151.7 | 31.1      |
| 0°-40°    | 3417.1 | 49.4      |
| 0°-60°    | 5682.6 | 82.1      |
| 0°-90°    | 6918.9 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 6918.9 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2890 | 2890  | 2890 | 2890  | 2890 |      |
| 5°  | 2865 | 2901  | 2867 | 2864  | 2884 | 272  |
| 15° | 2724 | 2748  | 2724 | 2707  | 2707 | 767  |
| 25° | 2451 | 2459  | 2420 | 2387  | 2377 | 1129 |
| 35° | 2104 | 2084  | 2026 | 1966  | 1954 | 1311 |
| 45° | 1691 | 1665  | 1595 | 1518  | 1496 | 1305 |
| 55° | 1268 | 1234  | 1156 | 1081  | 1061 | 1134 |
| 65° | 842  | 811   | 741  | 675   | 655  | 834  |
| 75° | 435  | 411   | 361  | 324   | 318  | 464  |
| 85° | 98   | 90    | 86   | 86    | 86   | 121  |
| 90° | 0    | 0     | 0    | 0     | 0    |      |



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CATALOG NUMBER: CB3-OU-085D-930-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 2890.0 | 2890.0 | 2890.0 | 2890.0 | 2890.0 |
| 2.5°  | 2875.2 | 2904.1 | 2878.5 | 2881.9 | 2888.3 |
| 5°    | 2865.3 | 2901.4 | 2867.4 | 2863.7 | 2883.8 |
| 7.5°  | 2843.2 | 2876.1 | 2840.7 | 2832.5 | 2850.5 |
| 10°   | 2820.2 | 2856.3 | 2816.1 | 2806.0 | 2816.1 |
| 12.5° | 2779.1 | 2816.8 | 2784.9 | 2768.2 | 2776.7 |
| 15°   | 2723.7 | 2747.8 | 2723.7 | 2707.3 | 2707.3 |
| 17.5° | 2656.0 | 2681.3 | 2635.9 | 2624.3 | 2619.8 |
| 20°   | 2606.7 | 2628.8 | 2580.0 | 2563.5 | 2557.4 |
| 22.5° | 2541.0 | 2561.5 | 2520.9 | 2492.8 | 2485.2 |
| 25°   | 2450.7 | 2458.7 | 2419.9 | 2386.9 | 2376.8 |
| 27.5° | 2360.0 | 2362.0 | 2308.7 | 2268.6 | 2255.3 |
| 30°   | 2284.5 | 2286.5 | 2224.9 | 2181.6 | 2171.6 |
| 32.5° | 2208.9 | 2202.9 | 2144.5 | 2093.0 | 2086.2 |
| 35°   | 2103.8 | 2083.8 | 2025.8 | 1966.0 | 1954.0 |
| 37.5° | 1977.0 | 1965.0 | 1896.5 | 1836.6 | 1818.5 |
| 40°   | 1896.5 | 1876.5 | 1806.2 | 1746.3 | 1728.2 |
| 42.5° | 1816.1 | 1792.8 | 1720.8 | 1654.3 | 1634.6 |
| 45°   | 1691.3 | 1665.2 | 1594.8 | 1518.4 | 1496.3 |
| 47.5° | 1565.7 | 1537.2 | 1459.8 | 1385.7 | 1361.2 |
| 50°   | 1481.9 | 1451.8 | 1371.1 | 1298.7 | 1272.6 |
| 52.5° | 1396.5 | 1364.8 | 1284.1 | 1210.1 | 1188.8 |
| 55°   | 1268.5 | 1234.3 | 1155.6 | 1081.2 | 1061.2 |
| 57.5° | 1140.4 | 1106.7 | 1028.3 | 958.0  | 933.9  |
| 60°   | 1055.0 | 1022.9 | 946.2  | 875.9  | 851.8  |
| 62.5° | 968.0  | 937.5  | 862.5  | 793.8  | 771.3  |
| 65°   | 841.5  | 811.4  | 741.0  | 674.8  | 654.8  |
| 67.5° | 716.3  | 690.6  | 621.1  | 560.4  | 544.3  |
| 70°   | 634.2  | 610.1  | 543.9  | 488.1  | 472.1  |
| 72.5° | 555.4  | 529.7  | 466.7  | 419.3  | 408.0  |
| 75°   | 435.1  | 411.1  | 361.2  | 324.2  | 318.1  |
| 77.5° | 325.1  | 305.5  | 262.3  | 241.3  | 238.1  |
| 80°   | 254.5  | 236.5  | 203.2  | 188.8  | 188.8  |
| 82.5° | 188.8  | 174.0  | 152.3  | 146.1  | 146.1  |
| 85°   | 98.5   | 90.5   | 86.2   | 86.2   | 86.2   |
| 87.5° | 29.6   | 29.6   | 27.9   | 26.3   | 26.3   |
| 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 | 20.71            | 22.29 | 21.07 | 22.60 | 22.91 | 19.63          | 21.21 | 19.99 | 21.52 | 21.84 |
|                 | 3H   | 22.42            | 23.85 | 22.80 | 24.17 | 24.53 | 21.09          | 22.51 | 21.47 | 22.84 | 23.20 |
|                 | 4H   | 23.08            | 24.42 | 23.48 | 24.77 | 25.15 | 21.64          | 22.98 | 22.04 | 23.33 | 23.70 |
|                 | 6H   | 23.50            | 24.74 | 23.91 | 25.11 | 25.50 | 21.99          | 23.23 | 22.40 | 23.60 | 23.99 |
|                 | 8H   | 23.66            | 24.84 | 24.08 | 25.23 | 25.63 | 22.13          | 23.32 | 22.56 | 23.70 | 24.10 |
|                 | 12H  | 23.75            | 24.88 | 24.18 | 25.26 | 25.69 | 22.23          | 23.36 | 22.66 | 23.74 | 24.17 |
| 4H              | 2H   | 21.19            | 22.53 | 21.59 | 22.88 | 23.26 | 20.34          | 21.67 | 20.73 | 22.02 | 22.40 |
|                 | 3H   | 23.14            | 24.26 | 23.55 | 24.66 | 25.06 | 22.02          | 23.13 | 22.43 | 23.53 | 23.93 |
|                 | 4H   | 23.92            | 24.93 | 24.35 | 25.34 | 25.78 | 22.65          | 23.66 | 23.08 | 24.07 | 24.51 |
|                 | 6H   | 24.46            | 25.34 | 24.92 | 25.78 | 26.24 | 23.10          | 23.98 | 23.56 | 24.42 | 24.88 |
|                 | 8H   | 24.67            | 25.49 | 25.13 | 25.93 | 26.40 | 23.29          | 24.11 | 23.75 | 24.55 | 25.02 |
|                 | 12H  | 24.80            | 25.54 | 25.28 | 26.01 | 26.48 | 23.42          | 24.16 | 23.91 | 24.64 | 25.11 |
| 8H              | 4H   | 24.10            | 24.93 | 24.57 | 25.37 | 25.84 | 22.97          | 23.79 | 23.43 | 24.23 | 24.70 |
|                 | 6H   | 24.75            | 25.43 | 25.25 | 25.92 | 26.40 | 23.52          | 24.20 | 24.02 | 24.69 | 25.17 |
|                 | 8H   | 25.03            | 25.64 | 25.54 | 26.15 | 26.64 | 23.78          | 24.39 | 24.29 | 24.90 | 25.39 |
|                 | 12H  | 25.23            | 25.77 | 25.74 | 26.26 | 26.82 | 23.99          | 24.53 | 24.50 | 25.02 | 25.58 |
| 12H             | 4H   | 24.11            | 24.85 | 24.59 | 25.32 | 25.79 | 23.00          | 23.74 | 23.48 | 24.21 | 24.68 |
|                 | 6H   | 24.77            | 25.39 | 25.28 | 25.89 | 26.38 | 23.58          | 24.20 | 24.09 | 24.70 | 25.19 |
|                 | 8H   | 25.11            | 25.65 | 25.61 | 26.14 | 26.70 | 23.90          | 24.44 | 24.41 | 24.93 | 25.49 |