

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: P1439286

Luminaire Tested: CB3-0U-055D-935-1D-UNV-STD-W-8

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439286  
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-055D-935-1D-UNV-STD-W-8  
Description: CORELITE BASIC SLOT LED LUMINAIRE  
3-INCH APERTURE  
DOWNLIGHT 550 LUMENS PER FOOT  
DIRECT ONLY  
Light Source: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

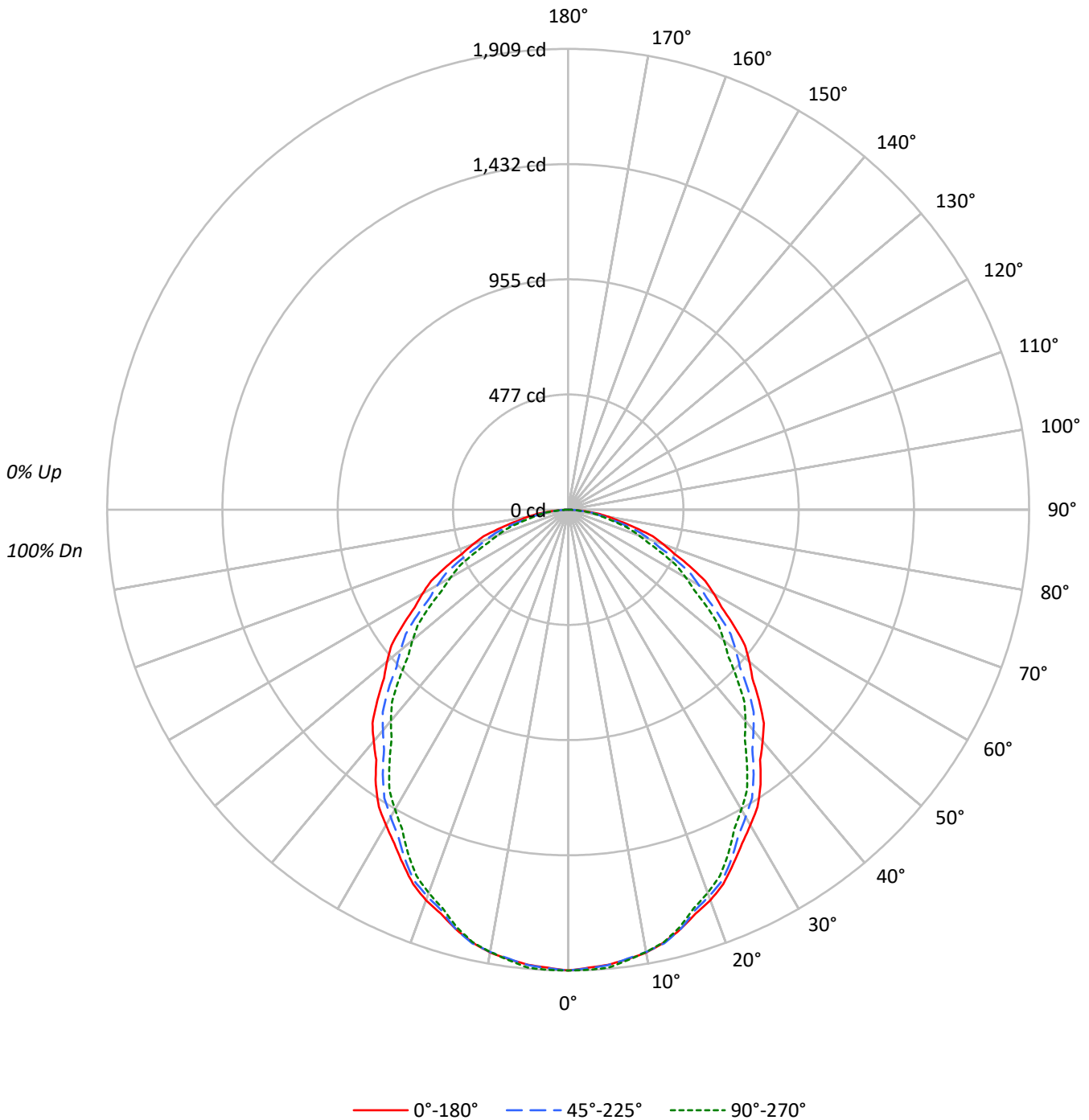
Lumens per Lamp: N/A  
Luminaire Lumens: 4570.2 lumens  
Efficiency: N/A  
Efficacy: 139.8 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')  
CIE Type: Direct

Input Watts (W): 32.7  
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°  | 10799 | 10799 | 10799 |
| 5°  | 10748 | 10756 | 10818 |
| 10° | 10701 | 10685 | 10685 |
| 15° | 10537 | 10537 | 10474 |
| 20° | 10366 | 10260 | 10170 |
| 25° | 10105 | 9977  | 9800  |
| 30° | 9857  | 9601  | 9370  |
| 35° | 9598  | 9241  | 8914  |
| 40° | 9251  | 8811  | 8431  |
| 45° | 8938  | 8428  | 7908  |
| 50° | 8615  | 7971  | 7398  |
| 55° | 8264  | 7529  | 6913  |
| 60° | 7885  | 7072  | 6366  |
| 65° | 7441  | 6551  | 5790  |
| 70° | 6929  | 5943  | 5157  |
| 75° | 6282  | 5215  | 4592  |
| 80° | 5477  | 4372  | 4063  |
| 85° | 4226  | 3693  | 3693  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 8938 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 180.1  | 3.9       |
| 10°-20°   | 506.0  | 11.1      |
| 20°-30°   | 735.2  | 16.1      |
| 30°-40°   | 835.8  | 18.3      |
| 40°-50°   | 811.4  | 17.8      |
| 50°-60°   | 685.1  | 15.0      |
| 60°-70°   | 487.4  | 10.7      |
| 70°-80°   | 260.4  | 5.7       |
| 80°-90°   | 68.8   | 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°    | 1421.3 | 31.1      |
| 0°-40°    | 2257.1 | 49.4      |
| 0°-60°    | 3753.6 | 82.1      |
| 0°-90°    | 4570.2 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 4570.2 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1909 | 1909  | 1909 | 1909  | 1909 |      |
| 5°  | 1893 | 1916  | 1894 | 1892  | 1905 | 180  |
| 15° | 1799 | 1815  | 1799 | 1788  | 1788 | 507  |
| 25° | 1619 | 1624  | 1598 | 1577  | 1570 | 746  |
| 35° | 1390 | 1376  | 1338 | 1299  | 1291 | 866  |
| 45° | 1117 | 1100  | 1053 | 1003  | 988  | 862  |
| 55° | 838  | 815   | 763  | 714   | 701  | 749  |
| 65° | 556  | 536   | 489  | 446   | 432  | 551  |
| 75° | 287  | 272   | 239  | 214   | 210  | 306  |
| 85° | 65   | 60    | 57   | 57    | 57   | 80   |
| 90° | 0    | 0     | 0    | 0     | 0    |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1908.9 | 1908.9 | 1908.9 | 1908.9 | 1908.9 |
| 2.5°  | 1899.2 | 1918.2 | 1901.3 | 1903.6 | 1907.8 |
| 5°    | 1892.6 | 1916.5 | 1894.0 | 1891.6 | 1904.9 |
| 7.5°  | 1878.0 | 1899.7 | 1876.4 | 1871.0 | 1882.9 |
| 10°   | 1862.8 | 1886.7 | 1860.1 | 1853.5 | 1860.1 |
| 12.5° | 1835.7 | 1860.6 | 1839.5 | 1828.5 | 1834.1 |
| 15°   | 1799.1 | 1815.0 | 1799.1 | 1788.3 | 1788.3 |
| 17.5° | 1754.4 | 1771.1 | 1741.1 | 1733.4 | 1730.5 |
| 20°   | 1721.8 | 1736.4 | 1704.2 | 1693.3 | 1689.3 |
| 22.5° | 1678.4 | 1692.0 | 1665.2 | 1646.6 | 1641.6 |
| 25°   | 1618.8 | 1624.1 | 1598.4 | 1576.6 | 1570.0 |
| 27.5° | 1558.9 | 1560.2 | 1525.0 | 1498.5 | 1489.7 |
| 30°   | 1509.0 | 1510.3 | 1469.7 | 1441.0 | 1434.4 |
| 32.5° | 1459.1 | 1455.1 | 1416.5 | 1382.5 | 1378.0 |
| 35°   | 1389.7 | 1376.4 | 1338.1 | 1298.6 | 1290.7 |
| 37.5° | 1305.9 | 1297.9 | 1252.7 | 1213.1 | 1201.2 |
| 40°   | 1252.7 | 1239.5 | 1193.1 | 1153.5 | 1141.6 |
| 42.5° | 1199.6 | 1184.2 | 1136.7 | 1092.7 | 1079.7 |
| 45°   | 1117.2 | 1099.9 | 1053.4 | 1002.9 | 988.4  |
| 47.5° | 1034.2 | 1015.4 | 964.2  | 915.3  | 899.1  |
| 50°   | 978.9  | 959.0  | 905.7  | 857.8  | 840.6  |
| 52.5° | 922.5  | 901.5  | 848.2  | 799.3  | 785.3  |
| 55°   | 837.9  | 815.3  | 763.3  | 714.2  | 700.9  |
| 57.5° | 753.3  | 731.0  | 679.2  | 632.8  | 616.9  |
| 60°   | 696.9  | 675.7  | 625.0  | 578.6  | 562.6  |
| 62.5° | 639.4  | 619.2  | 569.7  | 524.3  | 509.5  |
| 65°   | 555.9  | 536.0  | 489.4  | 445.7  | 432.5  |
| 67.5° | 473.2  | 456.2  | 410.3  | 370.2  | 359.5  |
| 70°   | 418.9  | 403.0  | 359.3  | 322.4  | 311.8  |
| 72.5° | 366.9  | 349.9  | 308.3  | 276.9  | 269.5  |
| 75°   | 287.4  | 271.5  | 238.6  | 214.1  | 210.1  |
| 77.5° | 214.8  | 201.8  | 173.3  | 159.4  | 157.3  |
| 80°   | 168.1  | 156.2  | 134.2  | 124.7  | 124.7  |
| 82.5° | 124.7  | 114.9  | 100.6  | 96.5   | 96.5   |
| 85°   | 65.1   | 59.8   | 56.9   | 56.9   | 56.9   |
| 87.5° | 19.5   | 19.5   | 18.4   | 17.4   | 17.4   |
| 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 | 19.26            | 20.85 | 19.63 | 21.16 | 21.47 | 18.19          | 19.77 | 18.55 | 20.08 | 20.40 |
|                 | 3H   | 20.98            | 22.40 | 21.36 | 22.73 | 23.09 | 19.65          | 21.07 | 20.03 | 21.40 | 21.76 |
|                 | 4H   | 21.64            | 22.98 | 22.04 | 23.33 | 23.71 | 20.20          | 21.54 | 20.60 | 21.88 | 22.26 |
|                 | 6H   | 22.06            | 23.30 | 22.47 | 23.67 | 24.06 | 20.55          | 21.79 | 20.96 | 22.15 | 22.55 |
|                 | 8H   | 22.22            | 23.40 | 22.64 | 23.79 | 24.19 | 20.69          | 21.87 | 21.12 | 22.26 | 22.66 |
|                 | 12H  | 22.31            | 23.44 | 22.74 | 23.82 | 24.25 | 20.79          | 21.92 | 21.22 | 22.30 | 22.73 |
| 4H              | 2H   | 19.75            | 21.09 | 20.15 | 21.44 | 21.82 | 18.89          | 20.23 | 19.29 | 20.58 | 20.96 |
|                 | 3H   | 21.70            | 22.82 | 22.11 | 23.22 | 23.62 | 20.57          | 21.69 | 20.98 | 22.09 | 22.49 |
|                 | 4H   | 22.48            | 23.49 | 22.91 | 23.90 | 24.34 | 21.21          | 22.22 | 21.64 | 22.63 | 23.07 |
|                 | 6H   | 23.02            | 23.90 | 23.48 | 24.34 | 24.80 | 21.66          | 22.54 | 22.12 | 22.98 | 23.44 |
|                 | 8H   | 23.23            | 24.05 | 23.69 | 24.49 | 24.96 | 21.85          | 22.67 | 22.31 | 23.11 | 23.58 |
|                 | 12H  | 23.36            | 24.10 | 23.84 | 24.57 | 25.04 | 21.98          | 22.72 | 22.46 | 23.20 | 23.67 |
| 8H              | 4H   | 22.66            | 23.49 | 23.13 | 23.93 | 24.39 | 21.52          | 22.35 | 21.99 | 22.79 | 23.26 |
|                 | 6H   | 23.31            | 23.99 | 23.81 | 24.48 | 24.96 | 22.08          | 22.76 | 22.58 | 23.25 | 23.73 |
|                 | 8H   | 23.59            | 24.20 | 24.10 | 24.71 | 25.20 | 22.34          | 22.95 | 22.85 | 23.46 | 23.94 |
|                 | 12H  | 23.79            | 24.33 | 24.30 | 24.82 | 25.38 | 22.55          | 23.09 | 23.05 | 23.58 | 24.14 |
| 12H             | 4H   | 22.67            | 23.41 | 23.15 | 23.88 | 24.35 | 21.56          | 22.30 | 22.04 | 22.77 | 23.24 |
|                 | 6H   | 23.33            | 23.94 | 23.84 | 24.45 | 24.94 | 22.14          | 22.75 | 22.65 | 23.26 | 23.75 |
|                 | 8H   | 23.66            | 24.21 | 24.17 | 24.70 | 25.26 | 22.46          | 23.00 | 22.97 | 23.49 | 24.05 |