

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1056967

Luminaire Tested: CB2-B-030U-055D-840-1D-UNV-STD-W-8

Issue Date: 7/31/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1056967  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-119-1, G2-2312-242-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/31/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: CB2-B-030U-055D-840-1D-UNV-STD-W-8  
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT  
2-INCH APERTURE  
DOWNLIGHT 550 LUMENS PER FOOT  
UPLIGHT 300 LUMENS PER FOOT  
Light Source: 4000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7407.3 lumens  
Efficiency: N/A  
Efficacy: 134.9 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: General Diffuse

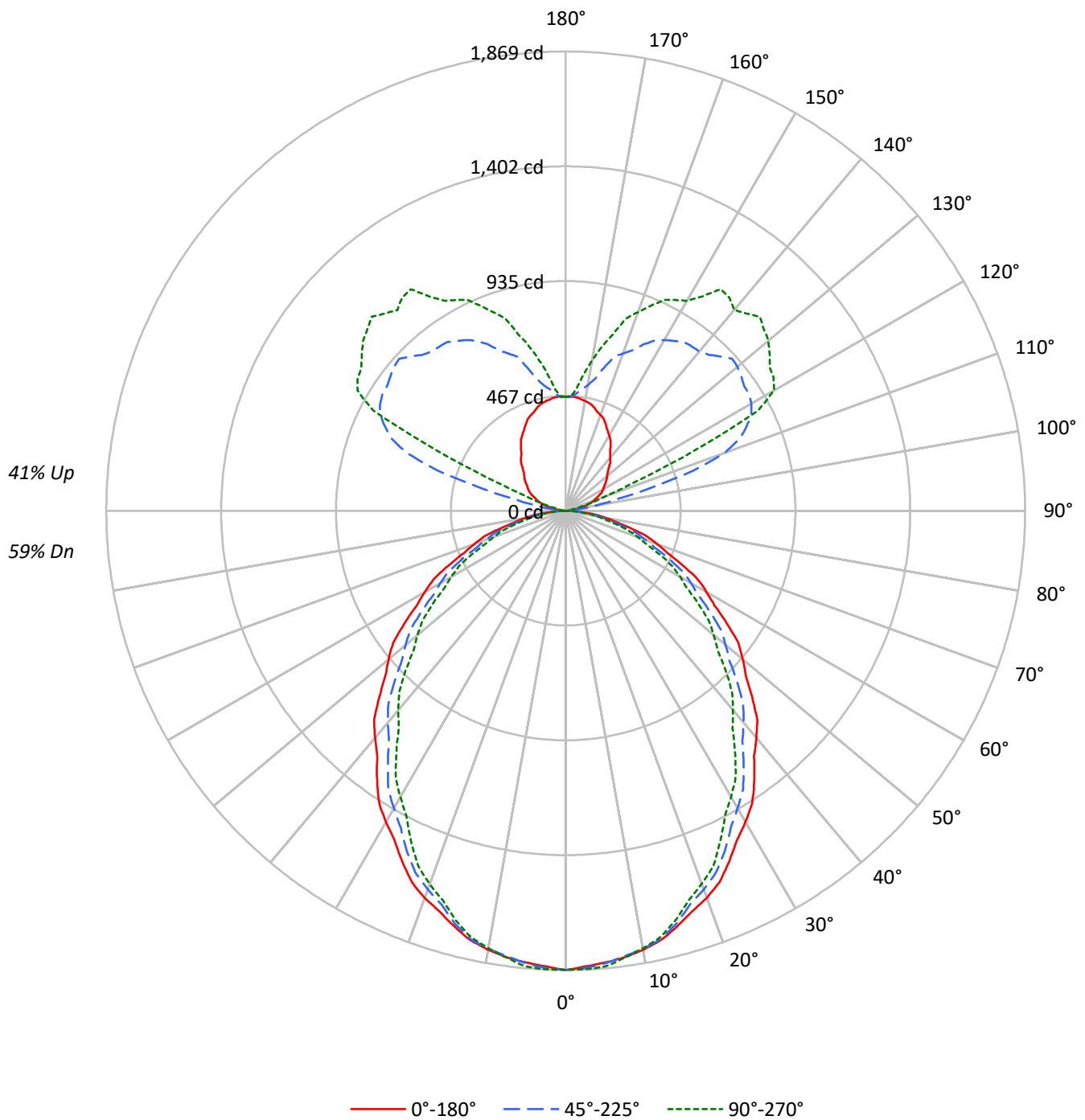
Input Watts (W): 54.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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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 |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 |
| RCR |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |
| 0   | 109 | 109 | 109 | 109 | 102 | 102 | 102 | 102 | 88 | 88 | 88 | 76 | 76 | 76 | 64 | 64 | 64 |
| 1   | 100 | 96  | 92  | 88  | 93  | 89  | 86  | 83  | 78 | 75 | 73 | 67 | 65 | 64 | 57 | 56 | 55 |
| 2   | 91  | 84  | 78  | 73  | 85  | 78  | 73  | 69  | 68 | 64 | 61 | 59 | 56 | 53 | 51 | 48 | 46 |
| 3   | 83  | 74  | 67  | 61  | 78  | 69  | 63  | 58  | 61 | 56 | 51 | 52 | 49 | 45 | 45 | 42 | 40 |
| 4   | 76  | 66  | 58  | 52  | 71  | 62  | 54  | 49  | 54 | 48 | 44 | 47 | 43 | 39 | 40 | 37 | 34 |
| 5   | 70  | 59  | 50  | 44  | 65  | 55  | 48  | 42  | 48 | 43 | 38 | 42 | 38 | 34 | 36 | 33 | 30 |
| 6   | 65  | 53  | 45  | 39  | 60  | 50  | 42  | 37  | 44 | 38 | 33 | 38 | 34 | 30 | 33 | 30 | 27 |
| 7   | 60  | 48  | 40  | 34  | 56  | 45  | 38  | 33  | 40 | 34 | 30 | 35 | 30 | 27 | 30 | 27 | 24 |
| 8   | 56  | 43  | 36  | 30  | 52  | 41  | 34  | 29  | 36 | 31 | 26 | 32 | 27 | 24 | 28 | 24 | 21 |
| 9   | 52  | 40  | 32  | 27  | 49  | 38  | 31  | 26  | 33 | 28 | 24 | 30 | 25 | 22 | 26 | 22 | 19 |
| 10  | 49  | 37  | 29  | 24  | 46  | 35  | 28  | 23  | 31 | 25 | 22 | 27 | 23 | 20 | 24 | 20 | 18 |

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

|     | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 16277 | 16277 | 16277 |
| 5°  | 16138 | 16164 | 16277 |
| 10° | 16047 | 16009 | 15996 |
| 15° | 15793 | 15689 | 15561 |
| 20° | 15544 | 15199 | 14988 |
| 25° | 15126 | 14701 | 14288 |
| 30° | 14708 | 14060 | 13527 |
| 35° | 14226 | 13404 | 12765 |
| 40° | 13715 | 12788 | 12039 |
| 45° | 13201 | 12143 | 11333 |
| 50° | 12738 | 11517 | 10645 |
| 55° | 12168 | 10865 | 9995  |
| 60° | 11516 | 10245 | 9348  |
| 65° | 10823 | 9555  | 8700  |
| 70° | 10058 | 8782  | 7870  |
| 75° | 9149  | 7944  | 7127  |
| 80° | 8180  | 6961  | 6459  |
| 85° | 6295  | 5715  | 4716  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 13201 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 175.8  | 2.4       |
| 10°-20°   | 489.9  | 6.6       |
| 20°-30°   | 704.5  | 9.5       |
| 30°-40°   | 791.8  | 10.7      |
| 40°-50°   | 764.9  | 10.3      |
| 50°-60°   | 646.3  | 8.7       |
| 60°-70°   | 464.2  | 6.3       |
| 70°-80°   | 253.7  | 3.4       |
| 80°-90°   | 67.4   | 0.9       |
| 90°-100°  | 34.8   | 0.5       |
| 100°-110° | 215.3  | 2.9       |
| 110°-120° | 543.0  | 7.3       |
| 120°-130° | 652.7  | 8.8       |
| 130°-140° | 591.8  | 8.0       |
| 140°-150° | 471.9  | 6.4       |
| 150°-160° | 321.9  | 4.3       |
| 160°-170° | 170.2  | 2.3       |
| 170°-180° | 47.4   | 0.6       |
| 0°-30°    | 1370.2 | 18.5      |
| 0°-40°    | 2162.0 | 29.2      |
| 0°-60°    | 3573.1 | 48.2      |
| 0°-90°    | 4358.4 | 58.8      |
| 90°-120°  | 793.0  | 10.7      |
| 90°-150°  | 2509.4 | 33.9      |
| 90°-180°  | 3049.0 | 41.2      |
| 0°-180°   | 7407.3 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|------|-------|------|-------|------|------|
| 0°   | 1869 | 1869  | 1869 | 1869  | 1869 |      |
| 5°   | 1846 | 1871  | 1849 | 1849  | 1862 | 175  |
| 15°  | 1752 | 1767  | 1740 | 1723  | 1726 | 494  |
| 25°  | 1574 | 1576  | 1530 | 1495  | 1487 | 725  |
| 35°  | 1338 | 1323  | 1261 | 1212  | 1201 | 836  |
| 45°  | 1072 | 1050  | 986  | 934   | 920  | 828  |
| 55°  | 801  | 772   | 716  | 671   | 658  | 716  |
| 65°  | 525  | 506   | 464  | 431   | 422  | 521  |
| 75°  | 272  | 255   | 236  | 217   | 212  | 291  |
| 85°  | 63   | 59    | 57   | 50    | 47   | 75   |
| 90°  | 0    | 0     | 0    | 0     | 0    | 3    |
| 95°  | 18   | 45    | 14   | 10    | 10   | 23   |
| 105° | 88   | 246   | 356  | 89    | 60   | 92   |
| 115° | 152  | 336   | 812  | 756   | 576  | 149  |
| 125° | 198  | 407   | 886  | 1008  | 1014 | 177  |
| 135° | 248  | 451   | 888  | 1040  | 1116 | 193  |
| 145° | 318  | 474   | 838  | 1010  | 1100 | 199  |
| 155° | 386  | 484   | 746  | 899   | 946  | 178  |
| 165° | 438  | 479   | 602  | 709   | 742  | 123  |
| 175° | 464  | 470   | 478  | 486   | 496  | 44   |
| 180° | 464  | 464   | 464  | 464   | 464  |      |

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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|--------|--------|--------|--------|--------|--------|
| 0°     | 1869.0 | 1869.0 | 1869.0 | 1869.0 | 1869.0 |
| 2.5°   | 1856.4 | 1878.8 | 1862.2 | 1864.5 | 1867.9 |
| 5°     | 1846.1 | 1871.3 | 1849.0 | 1849.3 | 1861.9 |
| 7.5°   | 1833.0 | 1856.8 | 1828.7 | 1823.5 | 1835.3 |
| 10°    | 1814.6 | 1838.4 | 1810.4 | 1800.5 | 1808.9 |
| 12.5°  | 1790.6 | 1813.3 | 1786.3 | 1770.7 | 1778.0 |
| 15°    | 1751.7 | 1767.1 | 1740.2 | 1723.1 | 1725.9 |
| 17.5°  | 1709.3 | 1718.8 | 1680.1 | 1665.7 | 1662.9 |
| 20°    | 1677.3 | 1685.7 | 1640.0 | 1620.0 | 1617.2 |
| 22.5°  | 1636.0 | 1643.3 | 1595.4 | 1570.7 | 1566.8 |
| 25°    | 1574.2 | 1575.6 | 1529.9 | 1495.3 | 1486.9 |
| 27.5°  | 1509.5 | 1505.1 | 1454.3 | 1413.4 | 1402.5 |
| 30°    | 1462.6 | 1457.0 | 1398.2 | 1355.0 | 1345.2 |
| 32.5°  | 1412.2 | 1402.1 | 1343.2 | 1296.6 | 1286.9 |
| 35°    | 1338.1 | 1322.7 | 1260.8 | 1211.9 | 1200.7 |
| 37.5°  | 1259.1 | 1241.7 | 1181.0 | 1127.7 | 1115.1 |
| 40°    | 1206.4 | 1186.8 | 1124.9 | 1071.6 | 1059.0 |
| 42.5°  | 1153.8 | 1131.9 | 1068.8 | 1015.5 | 1001.8 |
| 45°    | 1071.9 | 1049.5 | 986.0  | 934.2  | 920.2  |
| 47.5°  | 994.0  | 965.5  | 903.9  | 852.3  | 838.3  |
| 50°    | 940.2  | 909.5  | 850.1  | 799.7  | 785.7  |
| 52.5°  | 885.3  | 853.4  | 796.3  | 748.2  | 734.2  |
| 55°    | 801.4  | 772.0  | 715.6  | 670.9  | 658.3  |
| 57.5°  | 718.4  | 690.2  | 638.6  | 595.9  | 583.6  |
| 60°    | 661.2  | 637.4  | 588.2  | 547.9  | 536.7  |
| 62.5°  | 606.2  | 584.7  | 537.8  | 500.9  | 489.7  |
| 65°    | 525.2  | 505.6  | 463.7  | 430.6  | 422.2  |
| 67.5°  | 446.5  | 426.9  | 393.0  | 363.3  | 353.8  |
| 70°    | 395.0  | 375.4  | 344.9  | 317.5  | 309.1  |
| 72.5°  | 345.8  | 325.0  | 300.2  | 275.2  | 269.0  |
| 75°    | 271.9  | 255.1  | 236.1  | 217.4  | 211.8  |
| 77.5°  | 206.7  | 190.4  | 176.6  | 163.4  | 162.0  |
| 80°    | 163.1  | 149.2  | 138.8  | 130.2  | 128.8  |
| 82.5°  | 121.9  | 111.3  | 104.5  | 98.2   | 97.9   |
| 85°    | 63.0   | 58.8   | 57.2   | 50.0   | 47.2   |
| 87.5°  | 18.3   | 18.3   | 16.0   | 13.7   | 13.7   |
| 90°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 92.5°  | 4.8    | 7.9    | 3.2    | 3.2    | 3.2    |
| 95°    | 18.0   | 45.4   | 14.0   | 10.0   | 10.0   |
| 97.5°  | 37.6   | 108.8  | 75.6   | 20.3   | 17.6   |
| 100°   | 52.0   | 157.6  | 130.0  | 29.9   | 24.0   |
| 102.5° | 66.4   | 200.2  | 205.2  | 47.4   | 36.8   |
| 105°   | 88.0   | 246.4  | 356.0  | 89.3   | 60.0   |
| 107.5° | 109.2  | 276.6  | 545.6  | 184.3  | 111.2  |
| 110°   | 122.0  | 294.1  | 688.0  | 287.4  | 172.0  |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 22.5° | 45°   | 67.5°  | 90°    |
|--------|-------|-------|-------|--------|--------|
| 112.5° | 134.8 | 311.6 | 766.4 | 460.7  | 296.8  |
| 115°   | 152.0 | 335.8 | 812.0 | 755.9  | 576.0  |
| 117.5° | 166.4 | 358.1 | 851.2 | 934.8  | 882.0  |
| 120°   | 176.0 | 375.5 | 872.0 | 960.4  | 978.0  |
| 122.5° | 185.6 | 388.2 | 883.2 | 970.4  | 1003.6 |
| 125°   | 198.0 | 407.3 | 886.0 | 1008.2 | 1014.0 |
| 127.5° | 210.4 | 421.6 | 899.2 | 1042.9 | 1045.6 |
| 130°   | 220.0 | 431.2 | 912.0 | 1054.5 | 1076.0 |
| 132.5° | 231.2 | 439.3 | 916.8 | 1061.2 | 1093.6 |
| 135°   | 248.0 | 451.4 | 888.0 | 1039.8 | 1116.0 |
| 137.5° | 269.2 | 460.1 | 860.4 | 1039.1 | 1088.4 |
| 140°   | 282.0 | 461.9 | 846.0 | 1062.1 | 1066.0 |
| 142.5° | 296.4 | 466.9 | 842.8 | 1059.6 | 1093.2 |
| 145°   | 318.0 | 474.5 | 838.0 | 1010.1 | 1100.0 |
| 147.5° | 339.6 | 479.2 | 819.6 | 955.4  | 1034.0 |
| 150°   | 354.0 | 481.1 | 802.0 | 937.1  | 986.0  |
| 152.5° | 368.4 | 483.0 | 779.6 | 925.8  | 966.8  |
| 155°   | 386.0 | 483.8 | 746.0 | 899.1  | 946.0  |
| 157.5° | 404.4 | 481.5 | 705.6 | 850.4  | 901.6  |
| 160°   | 414.0 | 478.5 | 680.0 | 815.0  | 860.0  |
| 162.5° | 423.6 | 477.2 | 657.6 | 768.8  | 821.6  |
| 165°   | 438.0 | 479.1 | 602.0 | 708.8  | 742.0  |
| 167.5° | 447.6 | 477.3 | 550.0 | 637.5  | 684.4  |
| 170°   | 454.0 | 477.5 | 518.0 | 582.9  | 622.0  |
| 172.5° | 458.8 | 469.8 | 498.8 | 533.0  | 559.6  |
| 175°   | 464.0 | 469.9 | 478.0 | 486.2  | 496.0  |
| 177.5° | 465.6 | 468.7 | 462.4 | 460.9  | 464.0  |
| 180°   | 464.0 | 464.0 | 464.0 | 464.0  | 464.0  |

(END OF REPORT)