

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: P1057003

Luminaire Tested: CB2-B-125U-055D-840-1D-UNV-STD-W-8

Issue Date: 7/31/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1057003  
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-125U-055D-840-1D-UNV-STD-W-8  
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT  
2-INCH APERTURE  
DOWNLIGHT 550 LUMENS PER FOOT  
UPLIGHT 1250 LUMENS PER FOOT  
Light Source: 4000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 17693.8 lumens  
Efficiency: N/A  
Efficacy: 133.5 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: Semi-Indirect

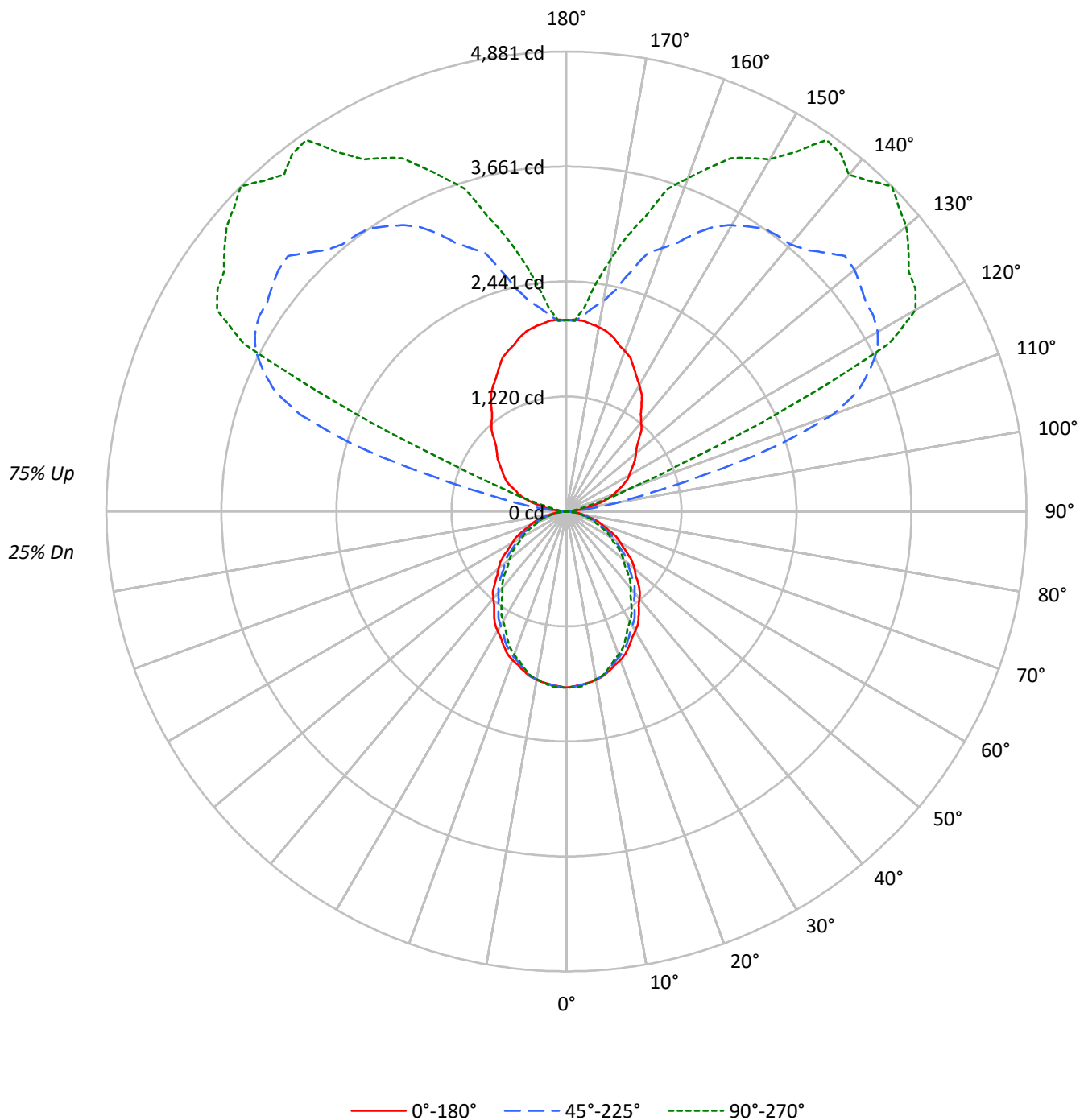
Input Watts (W): 132.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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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   | 101 | 101 | 101 | 101 | 90 | 90 | 90 | 90 | 69 | 69 | 69 | 50 | 50 | 50 | 33 | 33 | 33 |
| 1   | 92  | 88  | 84  | 81  | 82 | 79 | 75 | 73 | 61 | 59 | 57 | 44 | 43 | 42 | 29 | 28 | 28 |
| 2   | 84  | 77  | 71  | 66  | 75 | 69 | 64 | 60 | 53 | 50 | 47 | 39 | 37 | 35 | 26 | 25 | 24 |
| 3   | 77  | 68  | 61  | 55  | 68 | 60 | 55 | 50 | 47 | 43 | 40 | 34 | 32 | 30 | 23 | 21 | 20 |
| 4   | 70  | 60  | 52  | 47  | 62 | 54 | 47 | 42 | 42 | 37 | 34 | 31 | 28 | 25 | 20 | 19 | 17 |
| 5   | 64  | 53  | 45  | 40  | 57 | 48 | 41 | 36 | 37 | 33 | 29 | 27 | 24 | 22 | 18 | 17 | 15 |
| 6   | 59  | 48  | 40  | 34  | 52 | 43 | 36 | 31 | 33 | 29 | 25 | 25 | 22 | 19 | 17 | 15 | 13 |
| 7   | 54  | 43  | 35  | 30  | 48 | 38 | 32 | 27 | 30 | 25 | 22 | 23 | 19 | 17 | 15 | 13 | 12 |
| 8   | 50  | 39  | 31  | 26  | 45 | 35 | 28 | 24 | 27 | 23 | 19 | 21 | 17 | 15 | 14 | 12 | 11 |
| 9   | 47  | 35  | 28  | 23  | 42 | 32 | 26 | 21 | 25 | 21 | 17 | 19 | 16 | 13 | 13 | 11 | 10 |
| 10  | 44  | 32  | 25  | 21  | 39 | 29 | 23 | 19 | 23 | 19 | 15 | 17 | 14 | 12 | 12 | 10 | 9  |

**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   | 1.0       |
| 10°-20°   | 489.9   | 2.8       |
| 20°-30°   | 704.5   | 4.0       |
| 30°-40°   | 791.8   | 4.5       |
| 40°-50°   | 764.9   | 4.3       |
| 50°-60°   | 646.3   | 3.7       |
| 60°-70°   | 464.2   | 2.6       |
| 70°-80°   | 253.7   | 1.4       |
| 80°-90°   | 67.4    | 0.4       |
| 90°-100°  | 152.1   | 0.9       |
| 100°-110° | 941.7   | 5.3       |
| 110°-120° | 2374.8  | 13.4      |
| 120°-130° | 2854.8  | 16.1      |
| 130°-140° | 2588.3  | 14.6      |
| 140°-150° | 2064.0  | 11.7      |
| 150°-160° | 1407.9  | 8.0       |
| 160°-170° | 744.6   | 4.2       |
| 170°-180° | 207.2   | 1.2       |
| 0°-30°    | 1370.2  | 7.7       |
| 0°-40°    | 2162.0  | 12.2      |
| 0°-60°    | 3573.1  | 20.2      |
| 0°-90°    | 4358.4  | 24.6      |
| 90°-120°  | 3468.6  | 19.6      |
| 90°-150°  | 10975.6 | 62.0      |
| 90°-180°  | 13335.0 | 75.4      |
| 0°-180°   | 17693.8 | 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    | 5    |
| 95°  | 79   | 198   | 61   | 44    | 44   | 100  |
| 105° | 385  | 1078  | 1557 | 391   | 262  | 404  |
| 115° | 665  | 1469  | 3552 | 3306  | 2519 | 652  |
| 125° | 866  | 1781  | 3875 | 4410  | 4435 | 775  |
| 135° | 1085 | 1974  | 3884 | 4548  | 4881 | 843  |
| 145° | 1391 | 2075  | 3665 | 4418  | 4811 | 870  |
| 155° | 1688 | 2116  | 3263 | 3932  | 4138 | 777  |
| 165° | 1916 | 2095  | 2633 | 3100  | 3246 | 538  |
| 175° | 2030 | 2055  | 2091 | 2127  | 2170 | 192  |
| 180° | 2030 | 2030  | 2030 | 2030  | 2030 |      |

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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°  | 21.0   | 34.7   | 14.0   | 14.0   | 14.0   |
| 95°    | 78.7   | 198.5  | 61.2   | 43.7   | 43.7   |
| 97.5°  | 164.5  | 475.8  | 330.7  | 89.0   | 77.0   |
| 100°   | 227.4  | 689.3  | 568.6  | 130.6  | 105.0  |
| 102.5° | 290.4  | 875.5  | 897.5  | 207.1  | 161.0  |
| 105°   | 384.9  | 1077.7 | 1557.1 | 390.7  | 262.4  |
| 107.5° | 477.6  | 1209.8 | 2386.4 | 806.3  | 486.4  |
| 110°   | 533.6  | 1286.3 | 3009.3 | 1257.0 | 752.3  |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|--------|--------|--------|--------|--------|--------|
| 112.5° | 589.6  | 1362.8 | 3352.2 | 2015.0 | 1298.2 |
| 115°   | 664.8  | 1468.9 | 3551.6 | 3306.3 | 2519.4 |
| 117.5° | 727.8  | 1566.1 | 3723.1 | 4088.8 | 3857.8 |
| 120°   | 769.8  | 1642.3 | 3814.1 | 4200.7 | 4277.7 |
| 122.5° | 811.8  | 1697.9 | 3863.1 | 4244.3 | 4389.7 |
| 125°   | 866.0  | 1781.3 | 3875.3 | 4409.5 | 4435.2 |
| 127.5° | 920.3  | 1844.0 | 3933.0 | 4561.4 | 4573.4 |
| 130°   | 962.3  | 1886.0 | 3989.0 | 4612.3 | 4706.4 |
| 132.5° | 1011.3 | 1921.3 | 4010.0 | 4641.3 | 4783.3 |
| 135°   | 1084.7 | 1974.3 | 3884.1 | 4547.7 | 4881.3 |
| 137.5° | 1177.5 | 2012.3 | 3763.3 | 4545.0 | 4760.6 |
| 140°   | 1233.4 | 2020.4 | 3700.3 | 4645.5 | 4662.6 |
| 142.5° | 1296.4 | 2042.3 | 3686.3 | 4634.5 | 4781.6 |
| 145°   | 1390.9 | 2075.2 | 3665.4 | 4417.9 | 4811.3 |
| 147.5° | 1485.4 | 2096.1 | 3584.9 | 4178.8 | 4522.6 |
| 150°   | 1548.4 | 2104.3 | 3507.9 | 4098.9 | 4312.7 |
| 152.5° | 1611.4 | 2112.6 | 3409.9 | 4049.1 | 4228.7 |
| 155°   | 1688.3 | 2116.0 | 3263.0 | 3932.5 | 4137.7 |
| 157.5° | 1768.8 | 2105.8 | 3086.2 | 3719.4 | 3943.5 |
| 160°   | 1810.8 | 2093.1 | 2974.3 | 3564.9 | 3761.6 |
| 162.5° | 1852.8 | 2087.2 | 2876.3 | 3362.7 | 3593.6 |
| 165°   | 1915.8 | 2095.4 | 2633.1 | 3100.0 | 3245.5 |
| 167.5° | 1957.8 | 2087.8 | 2405.7 | 2788.2 | 2993.5 |
| 170°   | 1985.8 | 2088.4 | 2265.7 | 2549.5 | 2720.6 |
| 172.5° | 2006.8 | 2054.7 | 2181.7 | 2331.3 | 2447.7 |
| 175°   | 2029.5 | 2055.2 | 2090.7 | 2126.7 | 2169.5 |
| 177.5° | 2036.5 | 2050.2 | 2022.5 | 2015.8 | 2029.5 |
| 180°   | 2029.5 | 2029.5 | 2029.5 | 2029.5 | 2029.5 |

(END OF REPORT)