

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: P1057115

Luminaire Tested: CB3-B-125U-120D-830-1D-UNV-STD-W-8

Issue Date: 7/31/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1057115  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-119-2, G2-2312-242-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/31/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: CB3-B-125U-120D-830-1D-UNV-STD-W-8  
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT  
3-INCH APERTURE  
DOWNLIGHT 1200 LUMENS PER FOOT  
UPLIGHT 1250 LUMENS PER FOOT  
Light Source: 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 20476.1 lumens  
Efficiency: N/A  
Efficacy: 120.9 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: General Diffuse

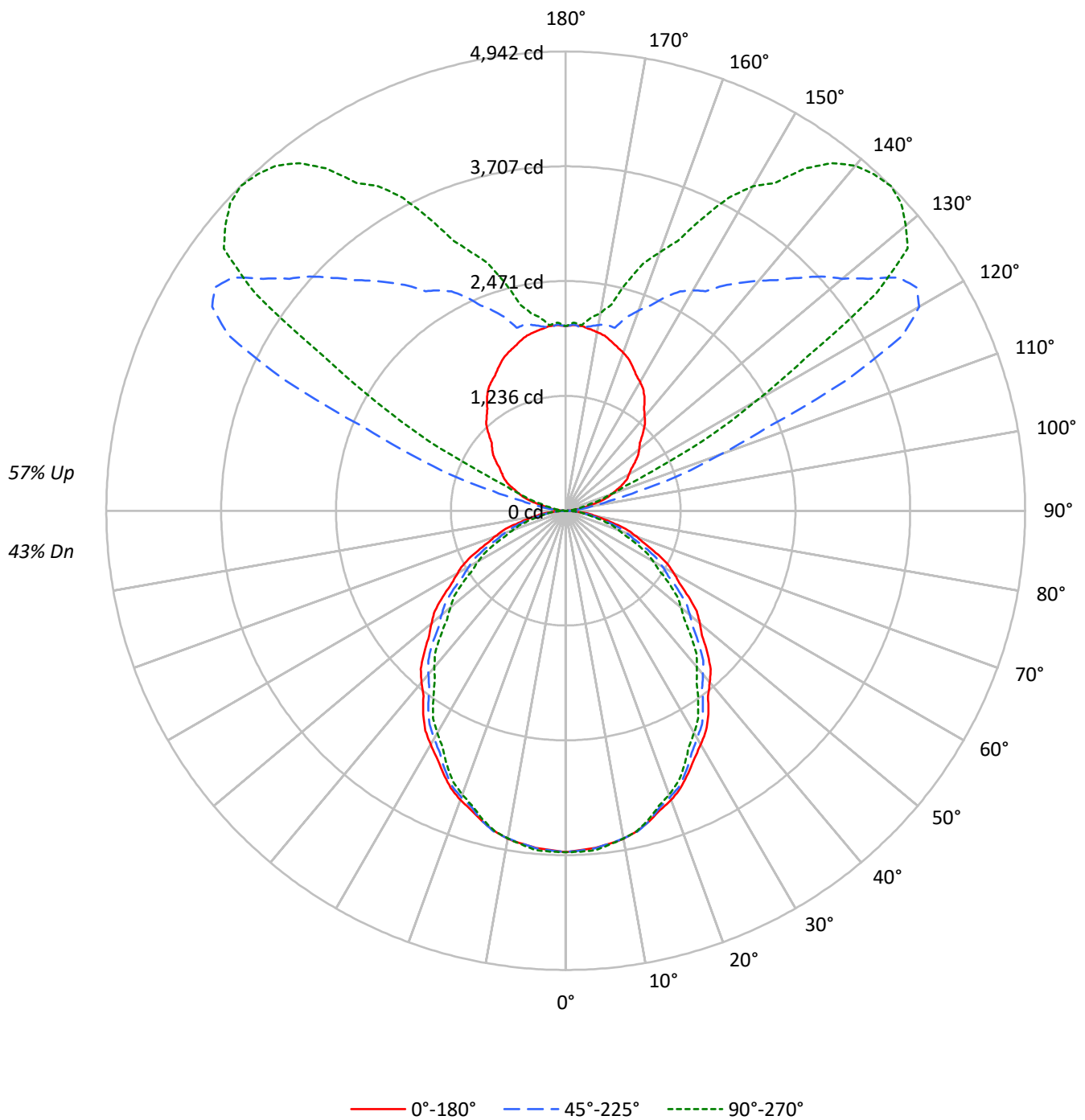
Input Watts (W): 169.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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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   | 105 | 105 | 105 | 105 | 96 | 96 | 96 | 96 | 79 | 79 | 79 | 64 | 64 | 64 | 50 | 50 | 50 |
| 1   | 96  | 92  | 88  | 85  | 88 | 84 | 81 | 78 | 70 | 68 | 65 | 56 | 55 | 53 | 44 | 43 | 42 |
| 2   | 88  | 81  | 75  | 70  | 80 | 74 | 69 | 64 | 61 | 58 | 54 | 50 | 47 | 45 | 39 | 37 | 36 |
| 3   | 80  | 71  | 64  | 58  | 73 | 65 | 59 | 54 | 54 | 50 | 46 | 44 | 41 | 38 | 35 | 32 | 31 |
| 4   | 73  | 63  | 55  | 49  | 67 | 58 | 51 | 46 | 48 | 43 | 39 | 39 | 36 | 33 | 31 | 29 | 26 |
| 5   | 67  | 56  | 48  | 42  | 61 | 52 | 45 | 39 | 43 | 38 | 34 | 35 | 31 | 28 | 28 | 25 | 23 |
| 6   | 62  | 50  | 42  | 37  | 57 | 46 | 39 | 34 | 39 | 34 | 30 | 32 | 28 | 25 | 25 | 23 | 20 |
| 7   | 57  | 45  | 38  | 32  | 52 | 42 | 35 | 30 | 35 | 30 | 26 | 29 | 25 | 22 | 23 | 20 | 18 |
| 8   | 53  | 41  | 34  | 28  | 49 | 38 | 31 | 27 | 32 | 27 | 23 | 27 | 23 | 20 | 21 | 19 | 16 |
| 9   | 50  | 38  | 30  | 25  | 45 | 35 | 28 | 24 | 30 | 24 | 21 | 25 | 21 | 18 | 20 | 17 | 15 |
| 10  | 46  | 34  | 27  | 23  | 42 | 32 | 26 | 21 | 27 | 22 | 19 | 23 | 19 | 16 | 18 | 16 | 13 |

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

|     | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 20787 | 20787 | 20787 |
| 5°  | 20688 | 20703 | 20821 |
| 10° | 20597 | 20567 | 20567 |
| 15° | 20282 | 20282 | 20159 |
| 20° | 19952 | 19748 | 19575 |
| 25° | 19449 | 19205 | 18863 |
| 30° | 18973 | 18479 | 18036 |
| 35° | 18473 | 17788 | 17157 |
| 40° | 17807 | 16959 | 16227 |
| 45° | 17204 | 16222 | 15220 |
| 50° | 16582 | 15342 | 14239 |
| 55° | 15906 | 14491 | 13306 |
| 60° | 15176 | 13611 | 12254 |
| 65° | 14322 | 12611 | 11144 |
| 70° | 13339 | 11438 | 9928  |
| 75° | 12092 | 10039 | 8842  |
| 80° | 10543 | 8415  | 7822  |
| 85° | 8133  | 7114  | 7114  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 17204 cd/sqm

TEST NUMBER: P1057115

CATALOG NUMBER: CB3-B-125U-120D-830-1D-UNV-STD-W-8

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 346.7   | 1.7       |
| 10°-20°   | 974.0   | 4.8       |
| 20°-30°   | 1415.0  | 6.9       |
| 30°-40°   | 1608.8  | 7.9       |
| 40°-50°   | 1561.8  | 7.6       |
| 50°-60°   | 1318.6  | 6.4       |
| 60°-70°   | 938.2   | 4.6       |
| 70°-80°   | 501.2   | 2.4       |
| 80°-90°   | 132.4   | 0.6       |
| 90°-100°  | 134.3   | 0.7       |
| 100°-110° | 703.7   | 3.4       |
| 110°-120° | 1771.4  | 8.7       |
| 120°-130° | 2732.7  | 13.3      |
| 130°-140° | 2501.7  | 12.2      |
| 140°-150° | 1846.3  | 9.0       |
| 150°-160° | 1176.9  | 5.7       |
| 160°-170° | 619.6   | 3.0       |
| 170°-180° | 192.9   | 0.9       |
| 0°-30°    | 2735.7  | 13.4      |
| 0°-40°    | 4344.5  | 21.2      |
| 0°-60°    | 7224.8  | 35.3      |
| 0°-90°    | 8796.7  | 43.0      |
| 90°-120°  | 2609.3  | 12.7      |
| 90°-150°  | 9690.0  | 47.3      |
| 90°-180°  | 11679.0 | 57.0      |
| 0°-180°   | 20476.1 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|------|-------|------|-------|------|------|
| 0°   | 3674 | 3674  | 3674 | 3674  | 3674 |      |
| 5°   | 3643 | 3689  | 3646 | 3641  | 3666 | 346  |
| 15°  | 3463 | 3494  | 3463 | 3442  | 3442 | 975  |
| 25°  | 3116 | 3126  | 3077 | 3035  | 3022 | 1436 |
| 35°  | 2675 | 2649  | 2576 | 2500  | 2484 | 1667 |
| 45°  | 2150 | 2117  | 2028 | 1930  | 1902 | 1659 |
| 55°  | 1613 | 1569  | 1469 | 1375  | 1349 | 1442 |
| 65°  | 1070 | 1032  | 942  | 858   | 832  | 1060 |
| 75°  | 553  | 523   | 459  | 412   | 404  | 590  |
| 85°  | 125  | 115   | 110  | 110   | 110  | 148  |
| 90°  | 0    | 0     | 0    | 0     | 0    | 8    |
| 95°  | 70   | 198   | 79   | 44    | 44   | 89   |
| 105° | 359  | 1111  | 805  | 331   | 271  | 383  |
| 115° | 682  | 1392  | 3342 | 1453  | 1102 | 664  |
| 125° | 910  | 1406  | 4374 | 4410  | 4076 | 814  |
| 135° | 1172 | 1566  | 3543 | 4831  | 4942 | 906  |
| 145° | 1478 | 1709  | 2957 | 4111  | 4496 | 919  |
| 155° | 1706 | 1834  | 2537 | 3139  | 3464 | 786  |
| 165° | 1890 | 1941  | 2038 | 2383  | 2546 | 533  |
| 175° | 1994 | 2037  | 1977 | 1986  | 2003 | 189  |
| 180° | 1986 | 1986  | 1986 | 1986  | 1986 |      |

TEST NUMBER: P1057115

CATALOG NUMBER: CB3-B-125U-120D-830-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|--------|--------|--------|--------|--------|--------|
| 0°     | 3674.3 | 3674.3 | 3674.3 | 3674.3 | 3674.3 |
| 2.5°   | 3655.5 | 3692.2 | 3659.7 | 3664.0 | 3672.2 |
| 5°     | 3643.0 | 3688.9 | 3645.6 | 3640.9 | 3666.4 |
| 7.5°   | 3614.8 | 3656.6 | 3611.6 | 3601.2 | 3624.2 |
| 10°    | 3585.5 | 3631.5 | 3580.3 | 3567.6 | 3580.3 |
| 12.5°  | 3533.4 | 3581.3 | 3540.7 | 3519.5 | 3530.2 |
| 15°    | 3462.9 | 3493.5 | 3462.9 | 3442.0 | 3442.0 |
| 17.5°  | 3376.8 | 3408.9 | 3351.2 | 3336.5 | 3330.9 |
| 20°    | 3314.1 | 3342.2 | 3280.2 | 3259.2 | 3251.5 |
| 22.5°  | 3230.6 | 3256.7 | 3205.1 | 3169.4 | 3159.7 |
| 25°    | 3115.8 | 3126.0 | 3076.7 | 3034.6 | 3021.9 |
| 27.5°  | 3000.5 | 3003.0 | 2935.2 | 2884.2 | 2867.4 |
| 30°    | 2904.4 | 2907.0 | 2828.8 | 2773.7 | 2760.9 |
| 32.5°  | 2808.4 | 2800.8 | 2726.5 | 2661.0 | 2652.4 |
| 35°    | 2674.8 | 2649.3 | 2575.6 | 2499.6 | 2484.3 |
| 37.5°  | 2513.5 | 2498.2 | 2411.2 | 2335.0 | 2312.1 |
| 40°    | 2411.2 | 2385.7 | 2296.4 | 2220.2 | 2197.3 |
| 42.5°  | 2308.9 | 2279.3 | 2187.9 | 2103.3 | 2078.3 |
| 45°    | 2150.3 | 2117.1 | 2027.6 | 1930.4 | 1902.4 |
| 47.5°  | 1990.6 | 1954.3 | 1855.9 | 1761.8 | 1730.7 |
| 50°    | 1884.1 | 1845.8 | 1743.2 | 1651.1 | 1617.9 |
| 52.5°  | 1775.5 | 1735.2 | 1632.5 | 1538.5 | 1511.5 |
| 55°    | 1612.7 | 1569.3 | 1469.2 | 1374.7 | 1349.1 |
| 57.5°  | 1449.9 | 1407.0 | 1307.4 | 1218.0 | 1187.4 |
| 60°    | 1341.3 | 1300.5 | 1203.0 | 1113.6 | 1083.0 |
| 62.5°  | 1230.7 | 1191.9 | 1096.5 | 1009.3 | 980.7  |
| 65°    | 1069.9 | 1031.6 | 942.1  | 858.0  | 832.5  |
| 67.5°  | 910.7  | 878.1  | 789.7  | 712.5  | 692.1  |
| 70°    | 806.4  | 775.7  | 691.5  | 620.6  | 600.2  |
| 72.5°  | 706.1  | 673.5  | 593.4  | 533.1  | 518.8  |
| 75°    | 553.2  | 522.6  | 459.3  | 412.1  | 404.5  |
| 77.5°  | 413.4  | 388.3  | 333.5  | 306.8  | 302.7  |
| 80°    | 323.6  | 300.6  | 258.3  | 240.1  | 240.1  |
| 82.5°  | 240.1  | 221.2  | 193.6  | 185.8  | 185.8  |
| 85°    | 125.3  | 115.1  | 109.6  | 109.6  | 109.6  |
| 87.5°  | 37.6   | 37.6   | 35.5   | 33.4   | 33.4   |
| 90°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 92.5°  | 21.0   | 48.4   | 14.0   | 7.2    | 14.0   |
| 95°    | 70.0   | 198.3  | 78.7   | 43.7   | 43.7   |
| 97.5°  | 145.2  | 442.9  | 202.9  | 108.2  | 98.0   |
| 100°   | 201.2  | 628.9  | 314.9  | 157.1  | 140.0  |
| 102.5° | 264.2  | 815.0  | 475.9  | 212.7  | 181.9  |
| 105°   | 358.7  | 1111.3 | 804.8  | 331.0  | 271.2  |
| 107.5° | 463.6  | 1313.8 | 1326.1 | 510.4  | 411.1  |
| 110°   | 533.6  | 1397.5 | 1767.0 | 670.1  | 516.1  |

TEST NUMBER: P1057115

CATALOG NUMBER: CB3-B-125U-120D-830-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|--------|--------|--------|--------|--------|--------|
| 112.5° | 596.6  | 1419.4 | 2354.8 | 913.8  | 705.1  |
| 115°   | 682.3  | 1392.2 | 3341.6 | 1452.9 | 1102.2 |
| 117.5° | 745.3  | 1325.2 | 4090.4 | 2311.3 | 1782.8 |
| 120°   | 787.3  | 1326.1 | 4391.3 | 2960.8 | 2370.6 |
| 122.5° | 836.3  | 1334.1 | 4475.3 | 3605.7 | 3063.4 |
| 125°   | 909.7  | 1405.8 | 4373.8 | 4409.9 | 4076.4 |
| 127.5° | 983.2  | 1458.8 | 4100.9 | 4740.6 | 4636.2 |
| 130°   | 1032.2 | 1494.1 | 3883.9 | 4853.2 | 4776.2 |
| 132.5° | 1081.2 | 1529.4 | 3730.0 | 4855.8 | 4895.1 |
| 135°   | 1172.2 | 1565.6 | 3542.8 | 4831.2 | 4942.4 |
| 137.5° | 1264.9 | 1610.4 | 3367.8 | 4678.2 | 4909.1 |
| 140°   | 1320.9 | 1645.9 | 3227.9 | 4512.6 | 4846.2 |
| 142.5° | 1383.9 | 1674.7 | 3094.9 | 4359.1 | 4713.2 |
| 145°   | 1478.3 | 1709.3 | 2956.7 | 4111.4 | 4496.3 |
| 147.5° | 1551.8 | 1728.0 | 2801.0 | 3861.4 | 4179.6 |
| 150°   | 1600.8 | 1729.1 | 2738.0 | 3639.2 | 4032.6 |
| 152.5° | 1642.8 | 1764.3 | 2661.0 | 3435.5 | 3794.7 |
| 155°   | 1705.8 | 1834.1 | 2536.8 | 3139.0 | 3464.0 |
| 157.5° | 1768.8 | 1891.9 | 2389.8 | 2918.0 | 3138.6 |
| 160°   | 1810.7 | 1913.4 | 2291.9 | 2811.3 | 2956.7 |
| 162.5° | 1845.7 | 1934.7 | 2186.9 | 2629.8 | 2795.7 |
| 165°   | 1889.5 | 1940.8 | 2038.2 | 2383.0 | 2545.5 |
| 167.5° | 1929.7 | 1955.4 | 2050.4 | 2140.9 | 2272.6 |
| 170°   | 1950.7 | 1976.4 | 2029.4 | 2117.9 | 2160.7 |
| 172.5° | 1971.7 | 2011.0 | 2001.4 | 2061.7 | 2097.7 |
| 175°   | 1994.4 | 2037.2 | 1977.0 | 1986.1 | 2003.2 |
| 177.5° | 1999.7 | 2020.2 | 2006.7 | 2007.2 | 2027.7 |
| 180°   | 1985.7 | 1985.7 | 1985.7 | 1985.7 | 1985.7 |

(END OF REPORT)