

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: P1056963

Luminaire Tested: CB2-B-030U-030D-835-1D-UNV-STD-W-8

Issue Date: 7/31/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1056963  
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-030D-835-1D-UNV-STD-W-8  
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT  
2-INCH APERTURE  
DOWNLIGHT 300 LUMENS PER FOOT  
UPLIGHT 300 LUMENS PER FOOT  
Light Source: 3500K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5402.4 lumens  
Efficiency: N/A  
Efficacy: 147.2 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

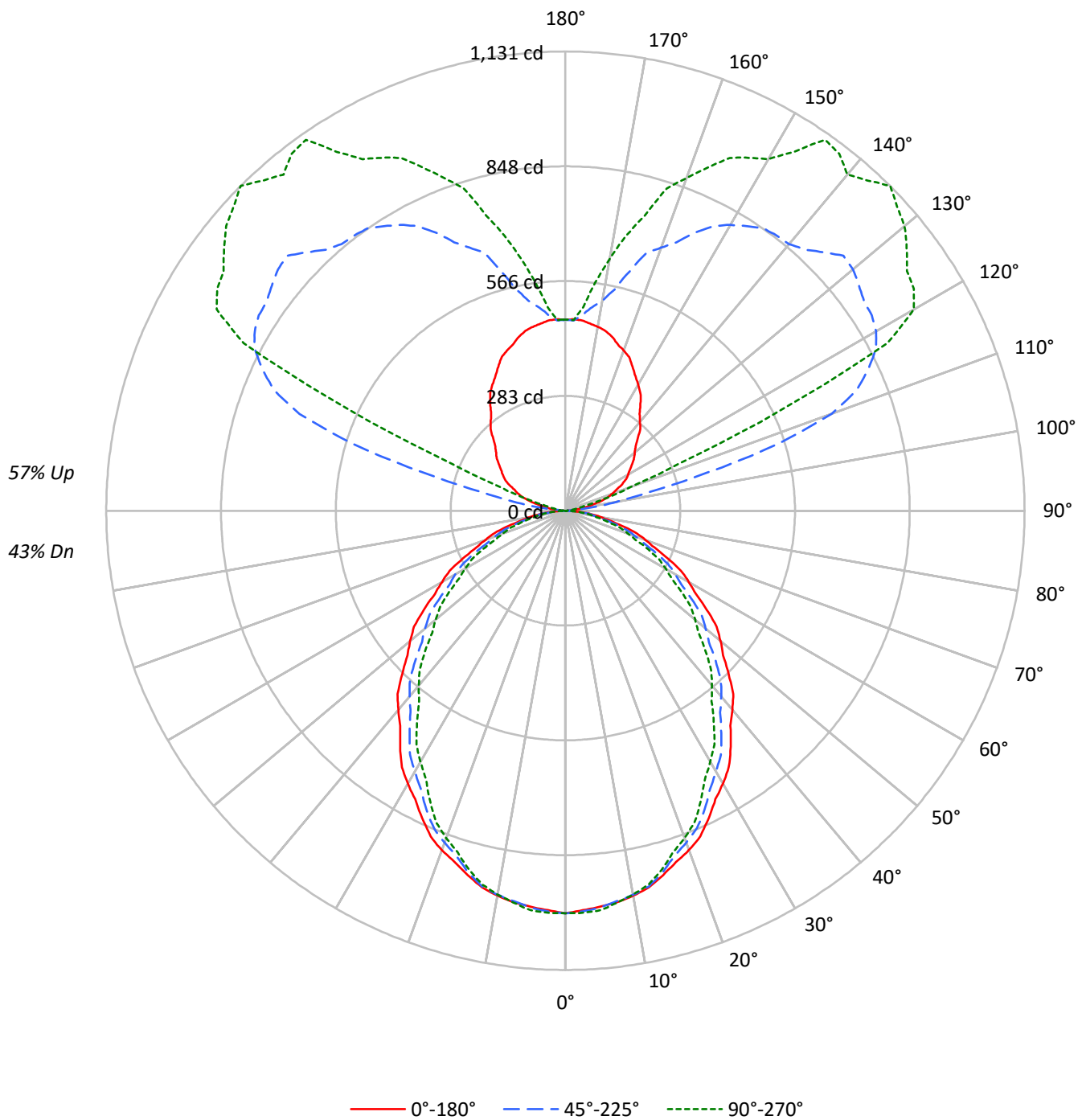
Input Watts (W): 36.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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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 | 0  |
| RCR |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 0   | 105 | 105 | 105 | 105 | 96 | 96 | 96 | 96 | 79 | 79 | 79 | 64 | 64 | 64 | 50 | 50 | 50 | 43 |
| 1   | 96  | 92  | 88  | 85  | 88 | 84 | 81 | 78 | 70 | 67 | 65 | 56 | 55 | 53 | 44 | 43 | 42 | 36 |
| 2   | 88  | 81  | 75  | 70  | 80 | 74 | 69 | 64 | 61 | 58 | 54 | 50 | 47 | 45 | 39 | 37 | 36 | 31 |
| 3   | 80  | 71  | 64  | 58  | 73 | 65 | 59 | 54 | 54 | 50 | 46 | 44 | 41 | 38 | 35 | 32 | 31 | 26 |
| 4   | 73  | 63  | 55  | 49  | 67 | 58 | 51 | 46 | 48 | 43 | 39 | 39 | 36 | 33 | 31 | 29 | 26 | 23 |
| 5   | 67  | 56  | 48  | 42  | 61 | 52 | 45 | 39 | 43 | 38 | 34 | 35 | 31 | 28 | 28 | 25 | 23 | 20 |
| 6   | 62  | 50  | 42  | 37  | 57 | 46 | 39 | 34 | 39 | 34 | 30 | 32 | 28 | 25 | 25 | 23 | 20 | 17 |
| 7   | 57  | 45  | 38  | 32  | 52 | 42 | 35 | 30 | 35 | 30 | 26 | 29 | 25 | 22 | 23 | 20 | 18 | 16 |
| 8   | 53  | 41  | 34  | 28  | 49 | 38 | 31 | 27 | 32 | 27 | 23 | 27 | 23 | 20 | 21 | 19 | 16 | 14 |
| 9   | 50  | 38  | 30  | 25  | 45 | 35 | 28 | 24 | 30 | 24 | 21 | 25 | 21 | 18 | 20 | 17 | 15 | 13 |
| 10  | 46  | 34  | 27  | 23  | 42 | 32 | 26 | 21 | 27 | 22 | 19 | 23 | 19 | 16 | 18 | 16 | 13 | 11 |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 8636 | 8636 | 8636 |
| 5°  | 8562 | 8576 | 8635 |
| 10° | 8513 | 8494 | 8487 |
| 15° | 8378 | 8323 | 8256 |
| 20° | 8246 | 8064 | 7952 |
| 25° | 8025 | 7799 | 7581 |
| 30° | 7803 | 7459 | 7177 |
| 35° | 7547 | 7111 | 6772 |
| 40° | 7276 | 6785 | 6387 |
| 45° | 7004 | 6442 | 6013 |
| 50° | 6758 | 6110 | 5647 |
| 55° | 6456 | 5764 | 5303 |
| 60° | 6110 | 5436 | 4959 |
| 65° | 5741 | 5069 | 4616 |
| 70° | 5337 | 4660 | 4176 |
| 75° | 4855 | 4216 | 3782 |
| 80° | 4343 | 3691 | 3425 |
| 85° | 3337 | 3038 | 2508 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 7004 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 93.2   | 1.7       |
| 10°-20°   | 259.9  | 4.8       |
| 20°-30°   | 373.7  | 6.9       |
| 30°-40°   | 420.1  | 7.8       |
| 40°-50°   | 405.8  | 7.5       |
| 50°-60°   | 342.9  | 6.3       |
| 60°-70°   | 246.3  | 4.6       |
| 70°-80°   | 134.6  | 2.5       |
| 80°-90°   | 35.7   | 0.7       |
| 90°-100°  | 35.2   | 0.7       |
| 100°-110° | 218.2  | 4.0       |
| 110°-120° | 550.3  | 10.2      |
| 120°-130° | 661.5  | 12.2      |
| 130°-140° | 599.8  | 11.1      |
| 140°-150° | 478.3  | 8.9       |
| 150°-160° | 326.2  | 6.0       |
| 160°-170° | 172.5  | 3.2       |
| 170°-180° | 48.0   | 0.9       |
| 0°-30°    | 726.9  | 13.5      |
| 0°-40°    | 1147.0 | 21.2      |
| 0°-60°    | 1895.6 | 35.1      |
| 0°-90°    | 2312.3 | 42.8      |
| 90°-120°  | 803.7  | 14.9      |
| 90°-150°  | 2543.3 | 47.1      |
| 90°-180°  | 3090.0 | 57.2      |
| 0°-180°   | 5402.4 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°  | 22.5° | 45° | 67.5° | 90°  | Flux |
|------|-----|-------|-----|-------|------|------|
| 0°   | 992 | 992   | 992 | 992   | 992  |      |
| 5°   | 979 | 993   | 981 | 981   | 988  | 93   |
| 15°  | 929 | 938   | 923 | 914   | 916  | 262  |
| 25°  | 835 | 836   | 812 | 793   | 789  | 384  |
| 35°  | 710 | 702   | 669 | 643   | 637  | 443  |
| 45°  | 569 | 557   | 523 | 496   | 488  | 439  |
| 55°  | 425 | 410   | 380 | 356   | 349  | 380  |
| 65°  | 279 | 268   | 246 | 228   | 224  | 276  |
| 75°  | 144 | 135   | 125 | 115   | 112  | 154  |
| 85°  | 33  | 31    | 30  | 26    | 25   | 40   |
| 90°  | 0   | 0     | 0   | 0     | 0    | 2    |
| 95°  | 18  | 46    | 14  | 10    | 10   | 23   |
| 105° | 89  | 250   | 361 | 90    | 61   | 94   |
| 115° | 154 | 340   | 823 | 766   | 584  | 151  |
| 125° | 201 | 413   | 898 | 1022  | 1028 | 180  |
| 135° | 251 | 458   | 900 | 1054  | 1131 | 195  |
| 145° | 322 | 481   | 849 | 1024  | 1115 | 202  |
| 155° | 391 | 490   | 756 | 911   | 959  | 180  |
| 165° | 444 | 486   | 610 | 718   | 752  | 125  |
| 175° | 470 | 476   | 484 | 493   | 503  | 45   |
| 180° | 470 | 470   | 470 | 470   | 470  |      |

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**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|--------|-------|-------|-------|-------|-------|
| 0°     | 991.6 | 991.6 | 991.6 | 991.6 | 991.6 |
| 2.5°   | 984.9 | 996.8 | 987.9 | 989.2 | 991.0 |
| 5°     | 979.4 | 992.8 | 981.0 | 981.1 | 987.8 |
| 7.5°   | 972.4 | 985.1 | 970.2 | 967.4 | 973.7 |
| 10°    | 962.7 | 975.3 | 960.5 | 955.2 | 959.7 |
| 12.5°  | 950.0 | 962.0 | 947.7 | 939.4 | 943.3 |
| 15°    | 929.3 | 937.5 | 923.2 | 914.2 | 915.7 |
| 17.5°  | 906.8 | 911.9 | 891.4 | 883.7 | 882.2 |
| 20°    | 889.8 | 894.3 | 870.1 | 859.4 | 858.0 |
| 22.5°  | 868.0 | 871.8 | 846.4 | 833.3 | 831.2 |
| 25°    | 835.2 | 835.9 | 811.6 | 793.3 | 788.9 |
| 27.5°  | 800.9 | 798.5 | 771.5 | 749.9 | 744.1 |
| 30°    | 776.0 | 773.0 | 741.8 | 718.9 | 713.7 |
| 32.5°  | 749.2 | 743.9 | 712.6 | 687.9 | 682.7 |
| 35°    | 709.9 | 701.7 | 668.9 | 642.9 | 637.0 |
| 37.5°  | 668.0 | 658.8 | 626.5 | 598.3 | 591.6 |
| 40°    | 640.0 | 629.7 | 596.8 | 568.5 | 561.8 |
| 42.5°  | 612.1 | 600.5 | 567.0 | 538.8 | 531.5 |
| 45°    | 568.7 | 556.8 | 523.1 | 495.6 | 488.2 |
| 47.5°  | 527.4 | 512.2 | 479.5 | 452.2 | 444.8 |
| 50°    | 498.8 | 482.5 | 451.0 | 424.3 | 416.8 |
| 52.5°  | 469.7 | 452.7 | 422.4 | 396.9 | 389.5 |
| 55°    | 425.2 | 409.6 | 379.6 | 355.9 | 349.3 |
| 57.5°  | 381.1 | 366.1 | 338.8 | 316.2 | 309.6 |
| 60°    | 350.8 | 338.2 | 312.1 | 290.7 | 284.7 |
| 62.5°  | 321.6 | 310.2 | 285.3 | 265.8 | 259.8 |
| 65°    | 278.6 | 268.3 | 246.0 | 228.4 | 224.0 |
| 67.5°  | 236.9 | 226.5 | 208.5 | 192.7 | 187.7 |
| 70°    | 209.6 | 199.2 | 183.0 | 168.5 | 164.0 |
| 72.5°  | 183.4 | 172.4 | 159.3 | 146.0 | 142.7 |
| 75°    | 144.3 | 135.3 | 125.3 | 115.3 | 112.4 |
| 77.5°  | 109.6 | 101.0 | 93.7  | 86.7  | 85.9  |
| 80°    | 86.6  | 79.1  | 73.6  | 69.1  | 68.3  |
| 82.5°  | 64.7  | 59.0  | 55.4  | 52.1  | 51.9  |
| 85°    | 33.4  | 31.2  | 30.4  | 26.5  | 25.1  |
| 87.5°  | 9.7   | 9.7   | 8.5   | 7.3   | 7.3   |
| 90°    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 92.5°  | 4.9   | 8.0   | 3.2   | 3.2   | 3.2   |
| 95°    | 18.2  | 46.0  | 14.2  | 10.1  | 10.1  |
| 97.5°  | 38.1  | 110.3 | 76.6  | 20.6  | 17.8  |
| 100°   | 52.7  | 159.7 | 131.8 | 30.3  | 24.3  |
| 102.5° | 67.3  | 202.9 | 208.0 | 48.0  | 37.3  |
| 105°   | 89.2  | 249.7 | 360.8 | 90.5  | 60.8  |
| 107.5° | 110.7 | 280.3 | 553.0 | 186.8 | 112.7 |
| 110°   | 123.7 | 298.1 | 697.3 | 291.3 | 174.3 |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 22.5° | 45°   | 67.5°  | 90°    |
|--------|-------|-------|-------|--------|--------|
| 112.5° | 136.6 | 315.8 | 776.8 | 466.9  | 300.8  |
| 115°   | 154.1 | 340.4 | 823.0 | 766.1  | 583.8  |
| 117.5° | 168.7 | 362.9 | 862.7 | 947.5  | 893.9  |
| 120°   | 178.4 | 380.5 | 883.8 | 973.4  | 991.2  |
| 122.5° | 188.1 | 393.5 | 895.2 | 983.5  | 1017.2 |
| 125°   | 200.7 | 412.8 | 898.0 | 1021.8 | 1027.7 |
| 127.5° | 213.2 | 427.3 | 911.4 | 1057.0 | 1059.8 |
| 130°   | 223.0 | 437.0 | 924.3 | 1068.8 | 1090.6 |
| 132.5° | 234.3 | 445.2 | 929.2 | 1075.5 | 1108.4 |
| 135°   | 251.4 | 457.5 | 900.0 | 1053.8 | 1131.1 |
| 137.5° | 272.8 | 466.3 | 872.0 | 1053.2 | 1103.1 |
| 140°   | 285.8 | 468.2 | 857.5 | 1076.5 | 1080.4 |
| 142.5° | 300.4 | 473.2 | 854.2 | 1073.9 | 1108.0 |
| 145°   | 322.3 | 480.9 | 849.3 | 1023.7 | 1114.9 |
| 147.5° | 344.2 | 485.7 | 830.7 | 968.3  | 1048.0 |
| 150°   | 358.8 | 487.6 | 812.9 | 949.8  | 999.3  |
| 152.5° | 373.4 | 489.5 | 790.2 | 938.3  | 979.9  |
| 155°   | 391.2 | 490.3 | 756.1 | 911.2  | 958.8  |
| 157.5° | 409.9 | 488.0 | 715.2 | 861.9  | 913.8  |
| 160°   | 419.6 | 485.0 | 689.2 | 826.1  | 871.6  |
| 162.5° | 429.3 | 483.6 | 666.5 | 779.2  | 832.7  |
| 165°   | 443.9 | 485.6 | 610.2 | 718.4  | 752.0  |
| 167.5° | 453.7 | 483.8 | 557.4 | 646.1  | 693.7  |
| 170°   | 460.1 | 483.9 | 525.0 | 590.8  | 630.4  |
| 172.5° | 465.0 | 476.1 | 505.6 | 540.2  | 567.2  |
| 175°   | 470.3 | 476.2 | 484.5 | 492.8  | 502.7  |
| 177.5° | 471.9 | 475.1 | 468.7 | 467.1  | 470.3  |
| 180°   | 470.3 | 470.3 | 470.3 | 470.3  | 470.3  |

(END OF REPORT)