

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: P1056952

Luminaire Tested: CB2-0U-030D-840-1D-UNV-STD-W-8

Issue Date: 7/31/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1056952  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2312-242-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/31/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: CB2-0U-030D-840-1D-UNV-STD-W-8  
Description: CORELITE BASIC SLOT LED LUMINAIRE  
2-INCH APERTURE  
DOWNLIGHT 300 LUMENS PER FOOT  
DIRECT ONLY  
Light Source: 4000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2281.4 lumens  
Efficiency: N/A  
Efficacy: 124.7 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: Direct

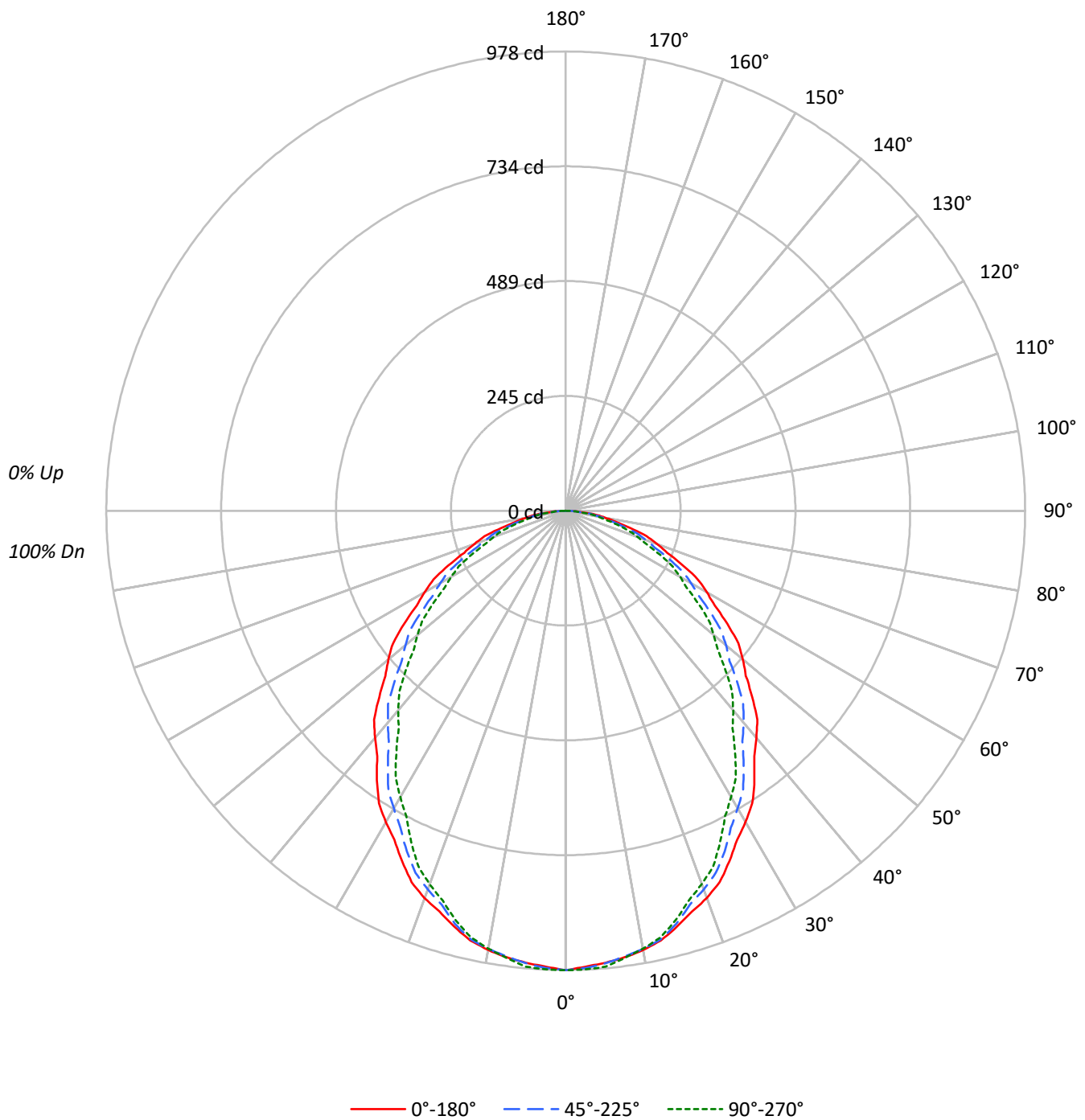
Input Watts (W): 18.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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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   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 |
| 1   | 109 | 105 | 101 | 97  | 107 | 103 | 99  | 95  | 98  | 95  | 92  | 94  | 92  | 90  | 91  | 89  | 87  |
| 2   | 100 | 92  | 86  | 80  | 97  | 90  | 84  | 79  | 87  | 82  | 77  | 83  | 79  | 76  | 80  | 77  | 74  |
| 3   | 91  | 81  | 74  | 67  | 89  | 80  | 73  | 67  | 77  | 71  | 66  | 74  | 69  | 64  | 72  | 67  | 63  |
| 4   | 84  | 73  | 64  | 58  | 82  | 71  | 63  | 57  | 69  | 62  | 56  | 66  | 60  | 56  | 64  | 59  | 55  |
| 5   | 78  | 65  | 56  | 50  | 76  | 64  | 56  | 50  | 62  | 55  | 49  | 60  | 54  | 49  | 58  | 53  | 48  |
| 6   | 72  | 59  | 50  | 44  | 70  | 58  | 50  | 44  | 56  | 49  | 43  | 55  | 48  | 43  | 53  | 47  | 43  |
| 7   | 67  | 54  | 45  | 39  | 65  | 53  | 45  | 39  | 51  | 44  | 39  | 50  | 43  | 38  | 49  | 43  | 38  |
| 8   | 62  | 49  | 41  | 35  | 61  | 48  | 41  | 35  | 47  | 40  | 35  | 46  | 39  | 35  | 45  | 39  | 34  |
| 9   | 58  | 45  | 37  | 32  | 57  | 45  | 37  | 32  | 44  | 37  | 32  | 42  | 36  | 31  | 41  | 36  | 31  |
| 10  | 55  | 42  | 34  | 29  | 54  | 41  | 34  | 29  | 40  | 34  | 29  | 39  | 33  | 29  | 39  | 33  | 29  |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 8521 | 8521 | 8521 |
| 5°  | 8448 | 8461 | 8520 |
| 10° | 8400 | 8380 | 8373 |
| 15° | 8267 | 8213 | 8145 |
| 20° | 8137 | 7956 | 7845 |
| 25° | 7918 | 7695 | 7479 |
| 30° | 7699 | 7360 | 7081 |
| 35° | 7446 | 7017 | 6682 |
| 40° | 7179 | 6694 | 6303 |
| 45° | 6910 | 6356 | 5933 |
| 50° | 6668 | 6029 | 5572 |
| 55° | 6369 | 5688 | 5232 |
| 60° | 6028 | 5363 | 4893 |
| 65° | 5665 | 5001 | 4554 |
| 70° | 5266 | 4596 | 4120 |
| 75° | 4788 | 4159 | 3732 |
| 80° | 4283 | 3646 | 3380 |
| 85° | 3297 | 2998 | 2468 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6910 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 92.0   | 4.0       |
| 10°-20°   | 256.5  | 11.2      |
| 20°-30°   | 368.8  | 16.2      |
| 30°-40°   | 414.5  | 18.2      |
| 40°-50°   | 400.4  | 17.5      |
| 50°-60°   | 338.3  | 14.8      |
| 60°-70°   | 243.0  | 10.7      |
| 70°-80°   | 132.8  | 5.8       |
| 80°-90°   | 35.3   | 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°    | 717.2  | 31.4      |
| 0°-40°    | 1131.7 | 49.6      |
| 0°-60°    | 1870.4 | 82.0      |
| 0°-90°    | 2281.4 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2281.4 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 978 | 978   | 978 | 978   | 978 |      |
| 5°  | 966 | 980   | 968 | 968   | 975 | 92   |
| 15° | 917 | 925   | 911 | 902   | 903 | 258  |
| 25° | 824 | 825   | 801 | 783   | 778 | 379  |
| 35° | 700 | 692   | 660 | 634   | 628 | 438  |
| 45° | 561 | 549   | 516 | 489   | 482 | 433  |
| 55° | 420 | 404   | 375 | 351   | 345 | 375  |
| 65° | 275 | 265   | 243 | 225   | 221 | 273  |
| 75° | 142 | 134   | 124 | 114   | 111 | 152  |
| 85° | 33  | 31    | 30  | 26    | 25  | 41   |
| 90° | 0   | 0     | 0   | 0     | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 978.4 | 978.4 | 978.4 | 978.4 | 978.4 |
| 2.5°  | 971.8 | 983.5 | 974.8 | 976.0 | 977.8 |
| 5°    | 966.4 | 979.6 | 967.9 | 968.0 | 974.6 |
| 7.5°  | 959.5 | 971.9 | 957.2 | 954.5 | 960.7 |
| 10°   | 949.9 | 962.3 | 947.6 | 942.5 | 946.9 |
| 12.5° | 937.3 | 949.2 | 935.1 | 926.9 | 930.7 |
| 15°   | 916.9 | 925.0 | 910.9 | 902.0 | 903.4 |
| 17.5° | 894.8 | 899.7 | 879.5 | 872.0 | 870.5 |
| 20°   | 878.0 | 882.4 | 858.5 | 848.0 | 846.5 |
| 22.5° | 856.4 | 860.2 | 835.1 | 822.2 | 820.1 |
| 25°   | 824.0 | 824.8 | 800.8 | 782.7 | 778.3 |
| 27.5° | 790.2 | 787.8 | 761.3 | 739.9 | 734.1 |
| 30°   | 765.6 | 762.7 | 731.9 | 709.3 | 704.2 |
| 32.5° | 739.2 | 734.0 | 703.1 | 678.7 | 673.6 |
| 35°   | 700.4 | 692.4 | 660.0 | 634.4 | 628.5 |
| 37.5° | 659.1 | 650.0 | 618.2 | 590.3 | 583.7 |
| 40°   | 631.5 | 621.3 | 588.8 | 560.9 | 554.4 |
| 42.5° | 603.9 | 592.5 | 559.4 | 531.6 | 524.4 |
| 45°   | 561.1 | 549.4 | 516.1 | 489.0 | 481.7 |
| 47.5° | 520.3 | 505.4 | 473.1 | 446.2 | 438.8 |
| 50°   | 492.2 | 476.1 | 445.0 | 418.6 | 411.3 |
| 52.5° | 463.4 | 446.7 | 416.8 | 391.6 | 384.3 |
| 55°   | 419.5 | 404.1 | 374.6 | 351.2 | 344.6 |
| 57.5° | 376.1 | 361.3 | 334.3 | 311.9 | 305.5 |
| 60°   | 346.1 | 333.6 | 307.9 | 286.8 | 280.9 |
| 62.5° | 317.3 | 306.1 | 281.5 | 262.2 | 256.4 |
| 65°   | 274.9 | 264.7 | 242.7 | 225.4 | 221.0 |
| 67.5° | 233.7 | 223.5 | 205.7 | 190.2 | 185.2 |
| 70°   | 206.8 | 196.5 | 180.5 | 166.2 | 161.8 |
| 72.5° | 181.0 | 170.1 | 157.2 | 144.1 | 140.8 |
| 75°   | 142.3 | 133.5 | 123.6 | 113.8 | 110.9 |
| 77.5° | 108.2 | 99.7  | 92.4  | 85.5  | 84.8  |
| 80°   | 85.4  | 78.1  | 72.7  | 68.2  | 67.4  |
| 82.5° | 63.8  | 58.3  | 54.7  | 51.4  | 51.2  |
| 85°   | 33.0  | 30.8  | 30.0  | 26.2  | 24.7  |
| 87.5° | 9.6   | 9.6   | 8.4   | 7.2   | 7.2   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)