

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: P1057122

Luminaire Tested: CB3-D-030U-055D-835-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057122
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2312-242-3, G2-2312-242-8)
Test Lab: INNOVATION CENTER
Issue Date: 7/31/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB3-D-030U-055D-835-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
3-INCH APERTURE
DOWNLIGHT 550 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: 6725.0 lumens
Efficiency: N/A
Efficacy: 132.9 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: Semi-Direct

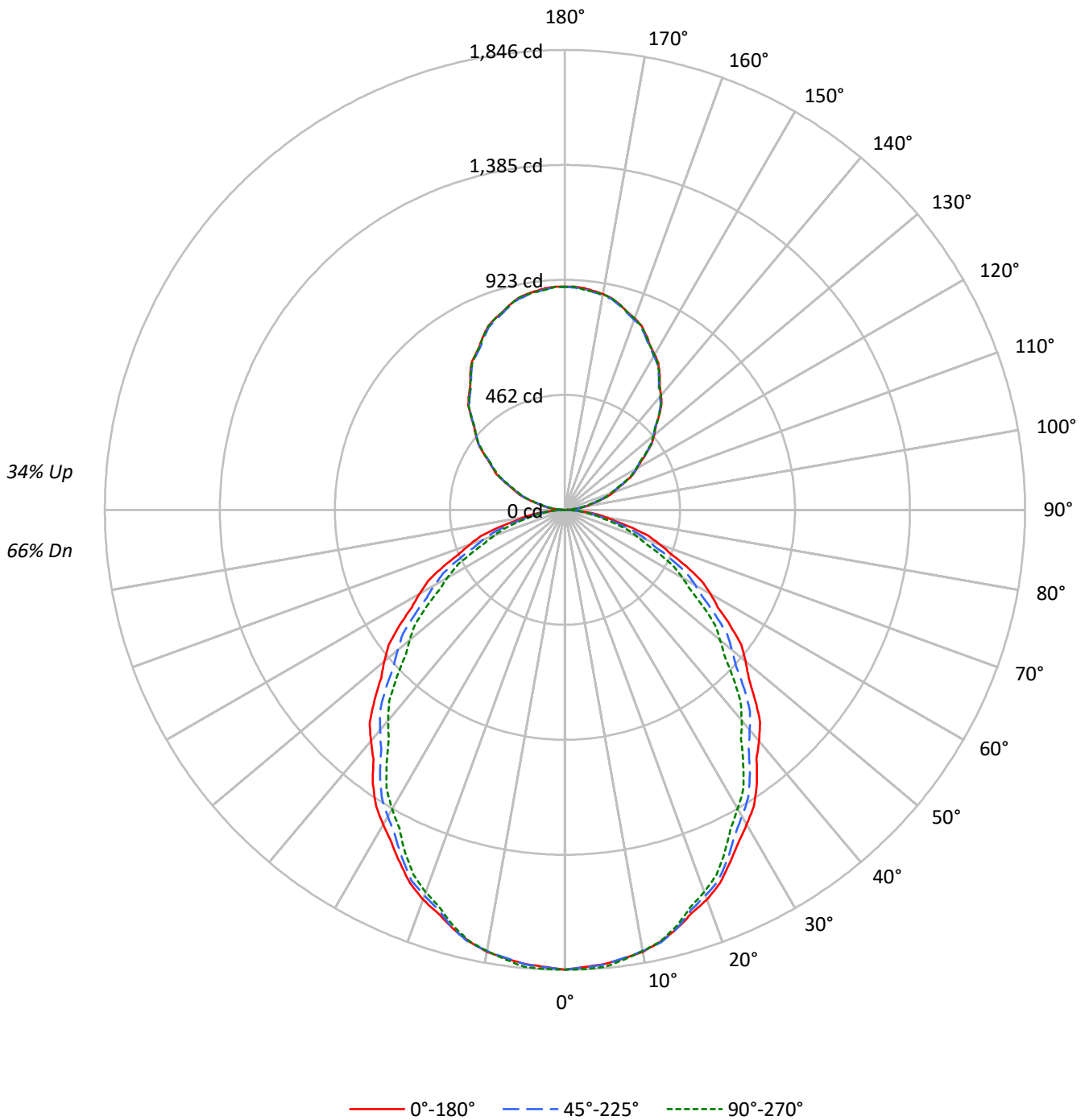
Input Watts (W): 50.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P1057122

CATALOG NUMBER: CB3-D-030U-055D-835-1D-UNV-STD-W-8

Luminous Intensity Polar Plot



TEST NUMBER: P1057122

CATALOG NUMBER: CB3-D-030U-055D-835-1D-UNV-STD-W-8

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|
| RF | 20 | | | | | 20 | | | | | 20 | | | | | 20 | | | | | 20 | |
| RC | 80 | | | | | 70 | | | | | 50 | | | | | 30 | | | | | 10 | 0 |
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 | |
| RCR | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 111 | 111 | 111 | 111 | 104 | 104 | 104 | 104 | 92 | 92 | 92 | 81 | 81 | 81 | 71 | 71 | 71 | 66 | | | | |
| 1 | 102 | 97 | 93 | 90 | 95 | 92 | 88 | 85 | 81 | 79 | 76 | 72 | 70 | 68 | 63 | 61 | 60 | 56 | | | | |
| 2 | 93 | 85 | 79 | 74 | 87 | 80 | 75 | 70 | 71 | 67 | 64 | 63 | 60 | 57 | 56 | 53 | 51 | 47 | | | | |
| 3 | 85 | 75 | 68 | 62 | 79 | 71 | 64 | 59 | 63 | 58 | 54 | 56 | 52 | 49 | 49 | 46 | 44 | 40 | | | | |
| 4 | 78 | 67 | 59 | 53 | 73 | 63 | 56 | 50 | 56 | 51 | 46 | 50 | 46 | 42 | 44 | 41 | 38 | 35 | | | | |
| 5 | 71 | 60 | 51 | 45 | 67 | 57 | 49 | 44 | 51 | 45 | 40 | 45 | 40 | 36 | 40 | 36 | 33 | 30 | | | | |
| 6 | 66 | 54 | 45 | 40 | 62 | 51 | 43 | 38 | 46 | 40 | 35 | 41 | 36 | 32 | 36 | 32 | 29 | 27 | | | | |
| 7 | 61 | 49 | 41 | 35 | 57 | 46 | 39 | 34 | 42 | 36 | 31 | 37 | 32 | 29 | 33 | 29 | 26 | 24 | | | | |
| 8 | 57 | 44 | 36 | 31 | 53 | 42 | 35 | 30 | 38 | 32 | 28 | 34 | 29 | 26 | 31 | 27 | 24 | 21 | | | | |
| 9 | 53 | 41 | 33 | 28 | 50 | 39 | 32 | 27 | 35 | 29 | 25 | 32 | 27 | 23 | 28 | 24 | 21 | 19 | | | | |
| 10 | 50 | 37 | 30 | 25 | 47 | 36 | 29 | 24 | 32 | 27 | 23 | 29 | 24 | 21 | 26 | 22 | 19 | 18 | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 10441 | 10441 | 10441 |
| 5° | 10392 | 10399 | 10462 |
| 10° | 10346 | 10331 | 10331 |
| 15° | 10187 | 10187 | 10127 |
| 20° | 10023 | 9920 | 9829 |
| 25° | 9766 | 9643 | 9471 |
| 30° | 9527 | 9279 | 9056 |
| 35° | 9275 | 8932 | 8615 |
| 40° | 8941 | 8516 | 8148 |
| 45° | 8638 | 8145 | 7642 |
| 50° | 8326 | 7704 | 7150 |
| 55° | 7987 | 7276 | 6681 |
| 60° | 7620 | 6834 | 6153 |
| 65° | 7191 | 6332 | 5595 |
| 70° | 6697 | 5743 | 4985 |
| 75° | 6072 | 5040 | 4439 |
| 80° | 5294 | 4225 | 3926 |
| 85° | 4083 | 3570 | 3570 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 8638 cd/sqm



TEST NUMBER: P1057122

CATALOG NUMBER: CB3-D-030U-055D-835-1D-UNV-STD-W-8

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 174.1 | 2.6 |
| 10°-20° | 489.2 | 7.3 |
| 20°-30° | 710.6 | 10.6 |
| 30°-40° | 807.8 | 12.0 |
| 40°-50° | 784.2 | 11.7 |
| 50°-60° | 662.1 | 9.8 |
| 60°-70° | 471.1 | 7.0 |
| 70°-80° | 251.7 | 3.7 |
| 80°-90° | 66.5 | 1.0 |
| 90°-100° | 37.8 | 0.6 |
| 100°-110° | 148.0 | 2.2 |
| 110°-120° | 263.8 | 3.9 |
| 120°-130° | 357.0 | 5.3 |
| 130°-140° | 410.5 | 6.1 |
| 140°-150° | 411.9 | 6.1 |
| 150°-160° | 354.2 | 5.3 |
| 160°-170° | 239.8 | 3.6 |
| 170°-180° | 84.6 | 1.3 |
| 0°-30° | 1373.9 | 20.4 |
| 0°-40° | 2181.7 | 32.4 |
| 0°-60° | 3628.0 | 53.9 |
| 0°-90° | 4417.2 | 65.7 |
| 90°-120° | 449.7 | 6.7 |
| 90°-150° | 1629.1 | 24.2 |
| 90°-180° | 2308.0 | 34.3 |
| 0°-180° | 6725.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1846 | 1846 | 1846 | 1846 | 1846 | |
| 5° | 1830 | 1853 | 1831 | 1829 | 1842 | 174 |
| 15° | 1739 | 1755 | 1739 | 1729 | 1729 | 490 |
| 25° | 1564 | 1570 | 1545 | 1524 | 1517 | 721 |
| 35° | 1343 | 1330 | 1293 | 1255 | 1247 | 837 |
| 45° | 1080 | 1063 | 1018 | 969 | 955 | 833 |
| 55° | 810 | 788 | 738 | 690 | 677 | 724 |
| 65° | 537 | 518 | 473 | 431 | 418 | 532 |
| 75° | 278 | 262 | 231 | 207 | 203 | 296 |
| 85° | 63 | 58 | 55 | 55 | 55 | 75 |
| 90° | 0 | 0 | 0 | 0 | 0 | 4 |
| 95° | 36 | 33 | 30 | 28 | 28 | 42 |
| 105° | 144 | 143 | 138 | 136 | 135 | 153 |
| 115° | 269 | 270 | 264 | 264 | 263 | 267 |
| 125° | 401 | 406 | 398 | 396 | 397 | 359 |
| 135° | 534 | 540 | 531 | 527 | 532 | 412 |
| 145° | 662 | 667 | 656 | 653 | 659 | 414 |
| 155° | 772 | 779 | 766 | 763 | 771 | 355 |
| 165° | 853 | 860 | 849 | 844 | 853 | 240 |
| 175° | 893 | 901 | 889 | 884 | 887 | 85 |
| 180° | 895 | 895 | 895 | 895 | 895 | |



TEST NUMBER: P1057122

CATALOG NUMBER: CB3-D-030U-055D-835-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|--------|--------|--------|--------|--------|
| 0° | 1845.6 | 1845.6 | 1845.6 | 1845.6 | 1845.6 |
| 2.5° | 1836.1 | 1854.6 | 1838.2 | 1840.4 | 1844.5 |
| 5° | 1829.9 | 1852.9 | 1831.2 | 1828.9 | 1842.3 |
| 7.5° | 1815.7 | 1836.7 | 1814.1 | 1808.9 | 1820.4 |
| 10° | 1801.0 | 1824.1 | 1798.4 | 1792.0 | 1798.4 |
| 12.5° | 1774.8 | 1798.9 | 1778.5 | 1767.9 | 1773.2 |
| 15° | 1739.4 | 1754.8 | 1739.4 | 1729.0 | 1729.0 |
| 17.5° | 1696.2 | 1712.3 | 1683.4 | 1676.0 | 1673.0 |
| 20° | 1664.8 | 1678.9 | 1647.7 | 1637.1 | 1632.6 |
| 22.5° | 1622.8 | 1635.9 | 1610.0 | 1591.5 | 1586.5 |
| 25° | 1564.5 | 1569.6 | 1544.8 | 1523.7 | 1517.3 |
| 27.5° | 1506.6 | 1507.9 | 1473.8 | 1448.2 | 1439.7 |
| 30° | 1458.4 | 1459.6 | 1420.4 | 1392.7 | 1386.3 |
| 32.5° | 1410.1 | 1406.3 | 1369.0 | 1336.1 | 1331.8 |
| 35° | 1343.0 | 1330.2 | 1293.3 | 1255.1 | 1247.4 |
| 37.5° | 1262.1 | 1254.4 | 1210.7 | 1172.4 | 1160.9 |
| 40° | 1210.7 | 1197.9 | 1153.1 | 1114.8 | 1103.3 |
| 42.5° | 1159.3 | 1144.5 | 1098.5 | 1056.1 | 1043.5 |
| 45° | 1079.7 | 1063.0 | 1018.1 | 969.3 | 955.2 |
| 47.5° | 999.5 | 981.3 | 931.9 | 884.6 | 869.0 |
| 50° | 946.0 | 926.8 | 875.3 | 829.0 | 812.4 |
| 52.5° | 891.5 | 871.3 | 819.7 | 772.5 | 758.9 |
| 55° | 809.8 | 788.0 | 737.7 | 690.2 | 677.4 |
| 57.5° | 728.0 | 706.5 | 656.5 | 611.6 | 596.2 |
| 60° | 673.5 | 653.0 | 604.0 | 559.1 | 543.8 |
| 62.5° | 617.9 | 598.5 | 550.6 | 506.8 | 492.4 |
| 65° | 537.2 | 518.0 | 473.0 | 430.8 | 418.0 |
| 67.5° | 457.3 | 440.9 | 396.5 | 357.7 | 347.5 |
| 70° | 404.9 | 389.5 | 347.2 | 311.6 | 301.4 |
| 72.5° | 354.6 | 338.2 | 298.0 | 267.7 | 260.5 |
| 75° | 277.8 | 262.4 | 230.6 | 206.9 | 203.1 |
| 77.5° | 207.6 | 195.0 | 167.5 | 154.0 | 152.0 |
| 80° | 162.5 | 150.9 | 129.7 | 120.5 | 120.5 |
| 82.5° | 120.5 | 111.1 | 97.2 | 93.3 | 93.3 |
| 85° | 62.9 | 57.8 | 55.0 | 55.0 | 55.0 |
| 87.5° | 18.9 | 18.9 | 17.8 | 16.8 | 16.8 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 92.5° | 9.9 | 8.8 | 5.5 | 4.4 | 4.4 |
| 95° | 36.4 | 33.0 | 29.5 | 27.5 | 28.1 |
| 97.5° | 67.1 | 63.9 | 59.6 | 57.5 | 58.1 |
| 100° | 88.6 | 85.9 | 81.0 | 79.0 | 79.0 |
| 102.5° | 109.4 | 107.8 | 103.0 | 100.9 | 101.5 |
| 105° | 143.5 | 142.8 | 138.0 | 135.9 | 134.6 |
| 107.5° | 181.1 | 179.9 | 174.5 | 174.4 | 173.2 |
| 110° | 205.3 | 204.6 | 199.8 | 199.1 | 198.4 |

TEST NUMBER: P1057122

CATALOG NUMBER: CB3-D-030U-055D-835-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|-------|-------|-------|-------|-------|
| 112.5° | 230.0 | 230.9 | 225.6 | 224.9 | 224.2 |
| 115° | 269.1 | 270.5 | 264.3 | 263.6 | 263.0 |
| 117.5° | 309.2 | 311.1 | 304.6 | 303.8 | 302.6 |
| 120° | 335.0 | 339.1 | 330.9 | 330.2 | 329.6 |
| 122.5° | 361.4 | 364.9 | 357.3 | 356.1 | 355.9 |
| 125° | 401.0 | 405.7 | 397.5 | 396.2 | 396.8 |
| 127.5° | 440.5 | 445.3 | 437.8 | 435.0 | 436.5 |
| 130° | 466.9 | 472.2 | 464.1 | 461.4 | 463.4 |
| 132.5° | 493.8 | 499.2 | 491.0 | 488.4 | 491.4 |
| 135° | 534.2 | 539.5 | 530.7 | 526.7 | 532.1 |
| 137.5° | 573.6 | 578.3 | 568.6 | 565.9 | 571.5 |
| 140° | 599.4 | 604.1 | 593.9 | 590.6 | 597.3 |
| 142.5° | 624.6 | 629.9 | 618.6 | 615.3 | 622.6 |
| 145° | 661.9 | 667.2 | 656.4 | 653.1 | 659.1 |
| 147.5° | 697.6 | 703.1 | 692.1 | 688.2 | 694.4 |
| 150° | 719.5 | 725.6 | 714.0 | 710.8 | 717.5 |
| 152.5° | 740.9 | 747.5 | 735.5 | 731.7 | 740.0 |
| 155° | 772.4 | 779.1 | 766.2 | 763.0 | 771.0 |
| 157.5° | 800.7 | 806.9 | 795.2 | 791.9 | 798.9 |
| 160° | 817.7 | 824.4 | 812.2 | 809.0 | 817.0 |
| 162.5° | 832.5 | 839.3 | 828.1 | 823.8 | 831.9 |
| 165° | 852.7 | 860.1 | 848.6 | 844.0 | 852.7 |
| 167.5° | 869.6 | 877.5 | 865.4 | 861.2 | 869.9 |
| 170° | 879.5 | 886.9 | 874.7 | 869.4 | 878.1 |
| 172.5° | 886.1 | 893.5 | 881.3 | 875.9 | 882.0 |
| 175° | 893.2 | 901.3 | 889.1 | 883.7 | 887.1 |
| 177.5° | 896.4 | 902.8 | 893.1 | 888.3 | 895.8 |
| 180° | 895.3 | 895.3 | 895.3 | 895.3 | 895.3 |

(END OF REPORT)