

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

(formerly Eaton)

Brand: CORELITE

Report Number: P571636

Luminaire Tested: **DL2-BB-M-0U-XD-930-UNV-X-BSL6-W-6**

Issue Date: 3/5/2020

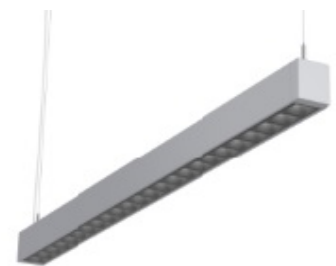
Test Information

Test Method: LM-79-2019
Report Number: P571636
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2104-222-1)
Test Lab: INNOVATION CENTER
Issue Date: 3/5/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: DL2-BB-M-0U-XD-930-UNV-X-BSL6-W-6
Description: CORELITE DL2 SUSPENDED LED LUMINAIRE
DOWNLIGHT 500 LUMENS PER FOOT
DIRECT ONLY
Light Source: -
Ballast/Driver: BODINE 6 WATT (OUTPUT POWER) EMERGENCY BATTERY PACK

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 753.2 lumens
Efficiency: N/A
Efficacy: 125.5 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.17 / 1.16
Luminous Opening: Rectangular (W 0.17' x L: 6' x H: 0')
CIE Type: Direct

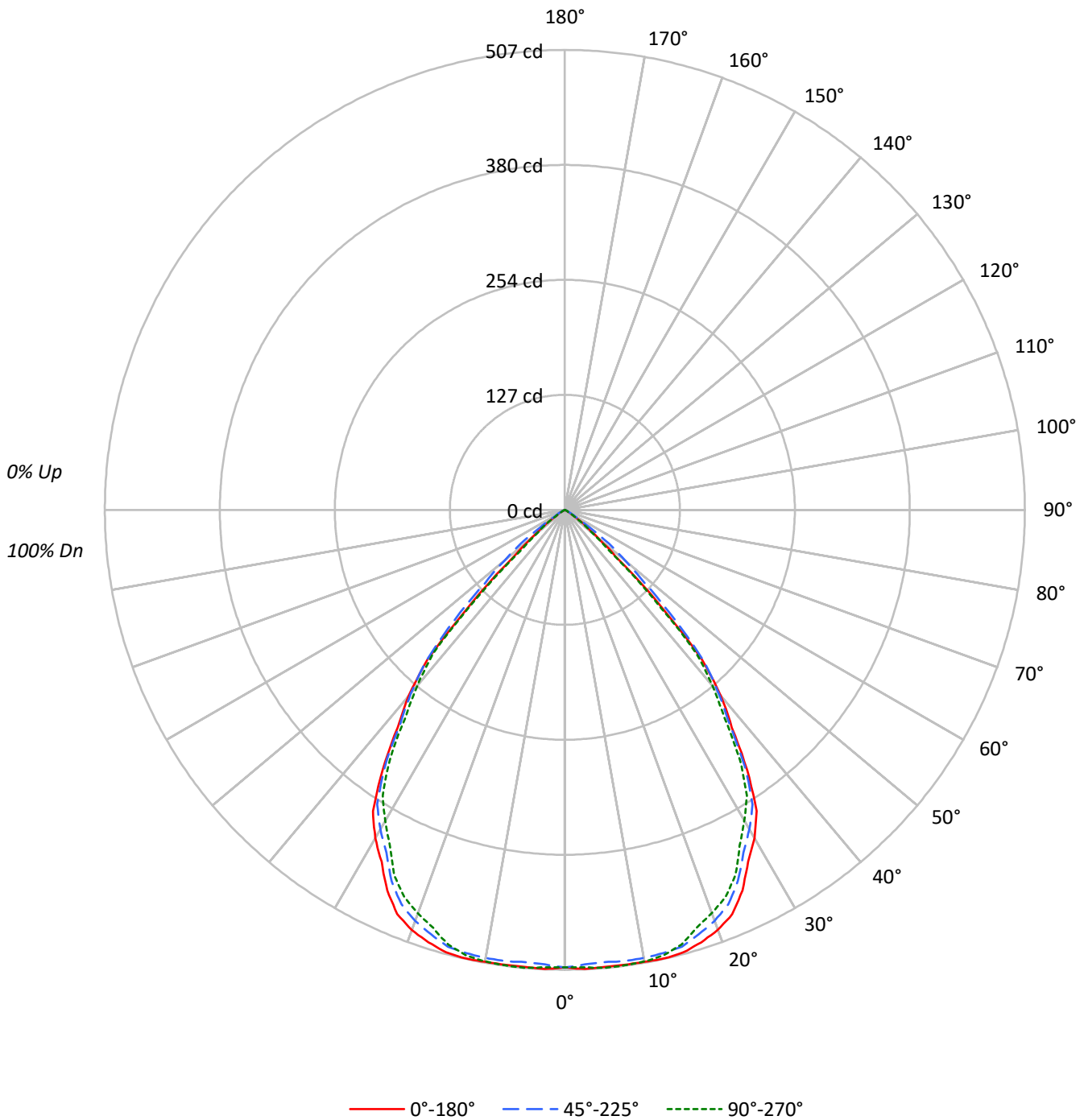
Input Watts (W): 6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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CATALOG NUMBER: DL2-BB-M-0U-XD-930-UNV-X-BSL6-W-6

Luminous Intensity Polar Plot





TEST NUMBER: P571636

CATALOG NUMBER: DL2-BB-M-OU-XD-930-UNV-X-BSL6-W-6

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 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1 | 113 | 110 | 107 | 105 | 110 | 108 | 105 | 103 | 104 | 102 | 100 | 100 | 98 | 97 | 96 | 95 | 94 | 92 |
| 2 | 106 | 101 | 96 | 93 | 104 | 99 | 95 | 92 | 96 | 92 | 90 | 93 | 90 | 88 | 90 | 88 | 86 | 84 |
| 3 | 100 | 93 | 87 | 83 | 98 | 91 | 86 | 82 | 89 | 84 | 81 | 86 | 82 | 79 | 84 | 81 | 78 | 76 |
| 4 | 94 | 85 | 79 | 74 | 92 | 84 | 78 | 74 | 82 | 77 | 73 | 80 | 76 | 72 | 78 | 74 | 71 | 70 |
| 5 | 88 | 79 | 72 | 67 | 86 | 78 | 72 | 67 | 76 | 70 | 66 | 74 | 69 | 66 | 72 | 68 | 65 | 63 |
| 6 | 83 | 73 | 66 | 61 | 81 | 72 | 65 | 61 | 70 | 65 | 60 | 69 | 64 | 60 | 67 | 63 | 60 | 58 |
| 7 | 78 | 67 | 61 | 56 | 76 | 67 | 60 | 56 | 65 | 59 | 55 | 64 | 59 | 55 | 63 | 58 | 55 | 53 |
| 8 | 73 | 63 | 56 | 51 | 72 | 62 | 55 | 51 | 61 | 55 | 51 | 60 | 54 | 51 | 59 | 54 | 50 | 49 |
| 9 | 69 | 58 | 52 | 47 | 68 | 58 | 51 | 47 | 57 | 51 | 47 | 56 | 50 | 47 | 55 | 50 | 46 | 45 |
| 10 | 65 | 54 | 48 | 43 | 64 | 54 | 48 | 43 | 53 | 47 | 43 | 52 | 47 | 43 | 51 | 47 | 43 | 42 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 5430 | 5430 | 5430 |
| 5° | 5467 | 5407 | 5476 |
| 10° | 5531 | 5481 | 5526 |
| 15° | 5630 | 5555 | 5531 |
| 20° | 5646 | 5526 | 5423 |
| 25° | 5498 | 5363 | 5279 |
| 30° | 5193 | 5054 | 4918 |
| 35° | 4603 | 4549 | 4420 |
| 40° | 3759 | 3705 | 3558 |
| 45° | 2215 | 2615 | 2061 |
| 50° | 749 | 1457 | 666 |
| 55° | 253 | 522 | 266 |
| 60° | 24 | 153 | 9 |
| 65° | 0 | 10 | 0 |
| 70° | 0 | 0 | 0 |
| 75° | 0 | 0 | 0 |
| 80° | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 |



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CATALOG NUMBER: DL2-BB-M-OU-XD-930-UNV-X-BSL6-W-6

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 48.2 | 6.4 |
| 10°-20° | 141.1 | 18.7 |
| 20°-30° | 207.6 | 27.6 |
| 30°-40° | 212.2 | 28.2 |
| 40°-50° | 122.0 | 16.2 |
| 50°-60° | 21.3 | 2.8 |
| 60°-70° | 0.8 | 0.1 |
| 70°-80° | 0.0 | 0.0 |
| 80°-90° | 0.0 | 0.0 |
| 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° | 397.0 | 52.7 |
| 0°-40° | 609.1 | 80.9 |
| 0°-60° | 752.4 | 99.9 |
| 0°-90° | 753.2 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 753.2 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 504 | 504 | 504 | 504 | 504 | |
| 5° | 506 | 505 | 500 | 508 | 507 | 48 |
| 15° | 505 | 510 | 498 | 499 | 496 | 142 |
| 25° | 463 | 467 | 452 | 447 | 444 | 212 |
| 35° | 350 | 352 | 346 | 340 | 336 | 216 |
| 45° | 146 | 169 | 172 | 163 | 135 | 114 |
| 55° | 14 | 16 | 28 | 16 | 14 | 15 |
| 65° | 0 | 0 | 0 | 0 | 0 | 0 |
| 75° | 0 | 0 | 0 | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | 0 |



TEST NUMBER: P571636

CATALOG NUMBER: DL2-BB-M-OU-XD-930-UNV-X-BSL6-W-6

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|-------|-------|-------|-------|-------|
| 0° | 504.5 | 504.5 | 504.5 | 504.5 | 504.5 |
| 2.5° | 506.6 | 505.4 | 501.5 | 506.0 | 504.8 |
| 5° | 506.0 | 504.9 | 500.4 | 507.5 | 506.8 |
| 7.5° | 505.7 | 504.8 | 501.8 | 508.0 | 506.5 |
| 10° | 506.0 | 506.0 | 501.5 | 507.1 | 505.6 |
| 12.5° | 506.6 | 508.1 | 500.6 | 505.0 | 502.9 |
| 15° | 505.2 | 509.6 | 498.5 | 498.8 | 496.3 |
| 17.5° | 499.8 | 505.7 | 490.5 | 486.9 | 483.0 |
| 20° | 492.9 | 499.1 | 482.4 | 476.7 | 473.4 |
| 22.5° | 482.4 | 488.3 | 470.7 | 465.8 | 462.3 |
| 25° | 462.9 | 466.9 | 451.6 | 446.7 | 444.5 |
| 27.5° | 437.4 | 439.4 | 426.1 | 421.0 | 417.3 |
| 30° | 417.8 | 417.8 | 406.6 | 400.9 | 395.7 |
| 32.5° | 393.5 | 392.4 | 385.0 | 378.4 | 373.5 |
| 35° | 350.3 | 352.2 | 346.2 | 340.5 | 336.4 |
| 37.5° | 302.6 | 304.3 | 298.2 | 291.7 | 288.9 |
| 40° | 267.5 | 268.9 | 263.7 | 256.8 | 253.2 |
| 42.5° | 224.2 | 232.2 | 227.4 | 219.9 | 215.1 |
| 45° | 145.5 | 169.4 | 171.8 | 162.9 | 135.4 |
| 47.5° | 75.9 | 100.8 | 119.1 | 91.0 | 63.8 |
| 50° | 44.7 | 60.8 | 87.0 | 49.6 | 39.8 |
| 52.5° | 28.7 | 35.8 | 61.2 | 31.8 | 26.9 |
| 55° | 13.5 | 16.1 | 27.8 | 15.7 | 14.2 |
| 57.5° | 5.0 | 7.5 | 12.5 | 7.6 | 5.5 |
| 60° | 1.1 | 3.3 | 7.1 | 2.2 | 0.4 |
| 62.5° | 0.2 | 1.0 | 4.1 | 0.4 | 0.1 |
| 65° | 0.0 | 0.0 | 0.4 | 0.0 | 0.0 |
| 67.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 70° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 72.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)