

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P506197

Luminaire Tested: **22PD-25-PR1-L835**

Issue Date: 3/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P506197  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PD-25-PR1-L835  
Description: 2500 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 80 CRI,  
3500K LEDS  
Light Source: -  
Ballast/Driver: -

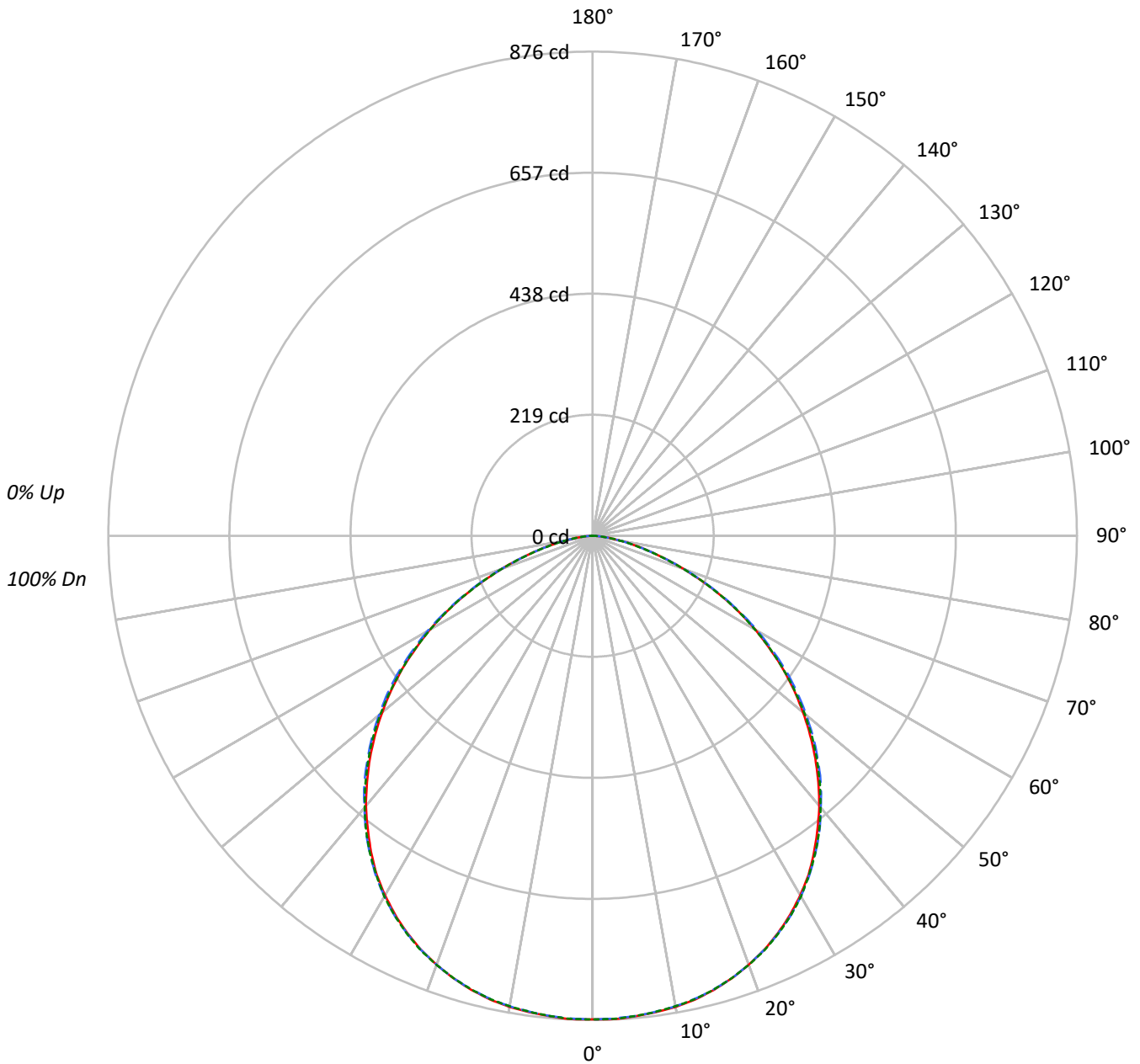
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2338.0 lumens  
Efficiency: N/A  
Efficacy: 117.5 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.37  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 19.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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: 25 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  |     |    | 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   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |    |    | 100 |
| 1   | 110 | 105 | 101 | 98  | 107 | 103 | 99  | 96  | 99  | 96  | 93  | 95  | 92  | 90  | 91  | 89  | 88  | 85  |    |    | 85  |
| 2   | 100 | 92  | 86  | 80  | 98  | 90  | 85  | 80  | 87  | 82  | 78  | 84  | 80  | 76  | 81  | 77  | 74  | 72  |    |    | 72  |
| 3   | 92  | 81  | 74  | 67  | 89  | 80  | 73  | 67  | 77  | 71  | 66  | 74  | 69  | 65  | 72  | 67  | 63  | 61  |    |    | 61  |
| 4   | 84  | 72  | 64  | 57  | 82  | 71  | 63  | 57  | 69  | 62  | 56  | 66  | 60  | 56  | 64  | 59  | 55  | 53  |    |    | 53  |
| 5   | 77  | 65  | 56  | 50  | 75  | 64  | 56  | 49  | 62  | 54  | 49  | 60  | 53  | 48  | 58  | 52  | 48  | 46  |    |    | 46  |
| 6   | 71  | 58  | 50  | 43  | 70  | 58  | 49  | 43  | 56  | 48  | 43  | 54  | 48  | 43  | 52  | 47  | 42  | 40  |    |    | 40  |
| 7   | 66  | 53  | 44  | 38  | 65  | 52  | 44  | 38  | 51  | 43  | 38  | 49  | 43  | 38  | 48  | 42  | 37  | 36  |    |    | 36  |
| 8   | 62  | 48  | 40  | 34  | 60  | 48  | 40  | 34  | 46  | 39  | 34  | 45  | 39  | 34  | 44  | 38  | 34  | 32  |    |    | 32  |
| 9   | 58  | 44  | 36  | 31  | 56  | 44  | 36  | 31  | 43  | 36  | 31  | 42  | 35  | 31  | 41  | 35  | 30  | 29  |    |    | 29  |
| 10  | 54  | 41  | 33  | 28  | 53  | 41  | 33  | 28  | 40  | 33  | 28  | 39  | 32  | 28  | 38  | 32  | 28  | 26  |    |    | 26  |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 2355 | 2355 | 2355 |
| 5°  | 2358 | 2356 | 2356 |
| 10° | 2365 | 2362 | 2362 |
| 15° | 2368 | 2366 | 2367 |
| 20° | 2365 | 2364 | 2366 |
| 25° | 2355 | 2358 | 2359 |
| 30° | 2334 | 2341 | 2342 |
| 35° | 2294 | 2307 | 2306 |
| 40° | 2241 | 2256 | 2253 |
| 45° | 2167 | 2195 | 2184 |
| 50° | 2079 | 2111 | 2094 |
| 55° | 1974 | 2005 | 1977 |
| 60° | 1830 | 1855 | 1823 |
| 65° | 1633 | 1649 | 1631 |
| 70° | 1373 | 1373 | 1364 |
| 75° | 1076 | 1076 | 1064 |
| 80° | 789  | 779  | 775  |
| 85° | 516  | 516  | 525  |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 83.0   | 3.5       |
| 10°-20°   | 239.8  | 10.3      |
| 20°-30°   | 365.7  | 15.6      |
| 30°-40°   | 438.3  | 18.7      |
| 40°-50°   | 442.7  | 18.9      |
| 50°-60°   | 378.8  | 16.2      |
| 60°-70°   | 255.4  | 10.9      |
| 70°-80°   | 112.7  | 4.8       |
| 80°-90°   | 21.6   | 0.9       |
| 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°    | 688.5  | 29.4      |
| 0°-40°    | 1126.8 | 48.2      |
| 0°-60°    | 1948.3 | 83.3      |
| 0°-90°    | 2338.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2338.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 875 | 875   | 875 | 875   | 875 |      |
| 5°  | 873 | 872   | 872 | 872   | 872 | 83   |
| 15° | 850 | 850   | 849 | 849   | 850 | 240  |
| 25° | 793 | 794   | 794 | 794   | 795 | 365  |
| 35° | 698 | 702   | 702 | 702   | 702 | 436  |
| 45° | 570 | 574   | 577 | 576   | 574 | 439  |
| 55° | 421 | 424   | 427 | 427   | 421 | 375  |
| 65° | 256 | 258   | 259 | 258   | 256 | 253  |
| 75° | 104 | 104   | 104 | 104   | 102 | 113  |
| 85° | 17  | 17    | 17  | 17    | 17  | 22   |
| 90° | 0   | 0     | 0   | 0     | 0   |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 875.0 | 875.0 | 875.0 | 875.0 | 875.0 |
| 2.5°  | 875.5 | 874.4 | 874.1 | 873.8 | 875.0 |
| 5°    | 872.9 | 871.7 | 872.3 | 871.7 | 872.3 |
| 7.5°  | 869.7 | 868.5 | 868.8 | 868.2 | 868.8 |
| 10°   | 865.6 | 864.4 | 864.4 | 863.8 | 864.4 |
| 12.5° | 859.2 | 858.3 | 858.0 | 857.4 | 858.3 |
| 15°   | 850.1 | 849.8 | 849.2 | 848.9 | 849.5 |
| 17.5° | 839.0 | 838.4 | 839.0 | 838.1 | 838.7 |
| 20°   | 825.8 | 826.1 | 825.6 | 825.8 | 826.1 |
| 22.5° | 810.9 | 810.9 | 811.2 | 811.2 | 811.8 |
| 25°   | 793.1 | 794.0 | 794.0 | 794.0 | 794.6 |
| 27.5° | 773.2 | 774.4 | 775.3 | 774.7 | 775.3 |
| 30°   | 751.0 | 753.1 | 753.3 | 753.1 | 753.6 |
| 32.5° | 727.0 | 728.5 | 729.4 | 728.8 | 728.2 |
| 35°   | 698.4 | 702.5 | 702.2 | 701.6 | 701.9 |
| 37.5° | 668.3 | 672.4 | 673.8 | 672.7 | 673.0 |
| 40°   | 637.9 | 641.4 | 642.3 | 642.6 | 641.4 |
| 42.5° | 604.3 | 608.3 | 611.6 | 610.1 | 608.3 |
| 45°   | 569.5 | 573.9 | 576.8 | 575.9 | 573.9 |
| 47.5° | 533.5 | 537.6 | 541.7 | 540.2 | 538.2 |
| 50°   | 496.7 | 500.8 | 504.3 | 503.7 | 500.2 |
| 52.5° | 459.0 | 463.6 | 466.9 | 465.7 | 461.0 |
| 55°   | 420.7 | 424.5 | 427.4 | 426.8 | 421.3 |
| 57.5° | 379.2 | 384.1 | 385.6 | 384.7 | 380.6 |
| 60°   | 340.0 | 343.2 | 344.7 | 343.5 | 338.8 |
| 62.5° | 298.2 | 300.8 | 302.0 | 301.7 | 298.5 |
| 65°   | 256.4 | 258.4 | 259.0 | 258.4 | 256.1 |
| 67.5° | 213.4 | 216.3 | 216.6 | 216.6 | 214.3 |
| 70°   | 174.5 | 175.4 | 174.5 | 176.9 | 173.4 |
| 72.5° | 136.8 | 137.4 | 136.8 | 136.8 | 135.4 |
| 75°   | 103.5 | 103.8 | 103.5 | 103.8 | 102.3 |
| 77.5° | 74.8  | 75.4  | 74.3  | 75.1  | 73.7  |
| 80°   | 50.9  | 50.9  | 50.3  | 50.6  | 50.0  |
| 82.5° | 31.6  | 32.2  | 31.3  | 31.3  | 31.0  |
| 85°   | 16.7  | 16.7  | 16.7  | 17.0  | 17.0  |
| 87.5° | 5.8   | 5.8   | 6.1   | 6.1   | 5.8   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |



Report Generated By 670246072 / DESKTOP-MV3F9LC







— 0°-180°    - - 45°-225°    - - - - 90°-270°







(END OF REPORT)