

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: P189177

Luminaire Tested: **DRI-WS-1L40-UNV-24-T1-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P189177  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34844)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: DRI-WS-1L40-UNV-24-T1-STD  
Description: DIVIDE RECESSED 2x4 LED LUMINAIRE, WaveStream SPECULAR OPTIC  
Light Source: (308) 4000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3104.5 lumens  
Efficiency: N/A  
Efficacy: 134.4 lumens/watt  
Spacing Criteria (0/90/45): 1.35 / 1.37 / 1.47  
Luminous Opening: Rectangular (W 1.79' x L: 3.83' x H: 0')  
CIE Type: Direct

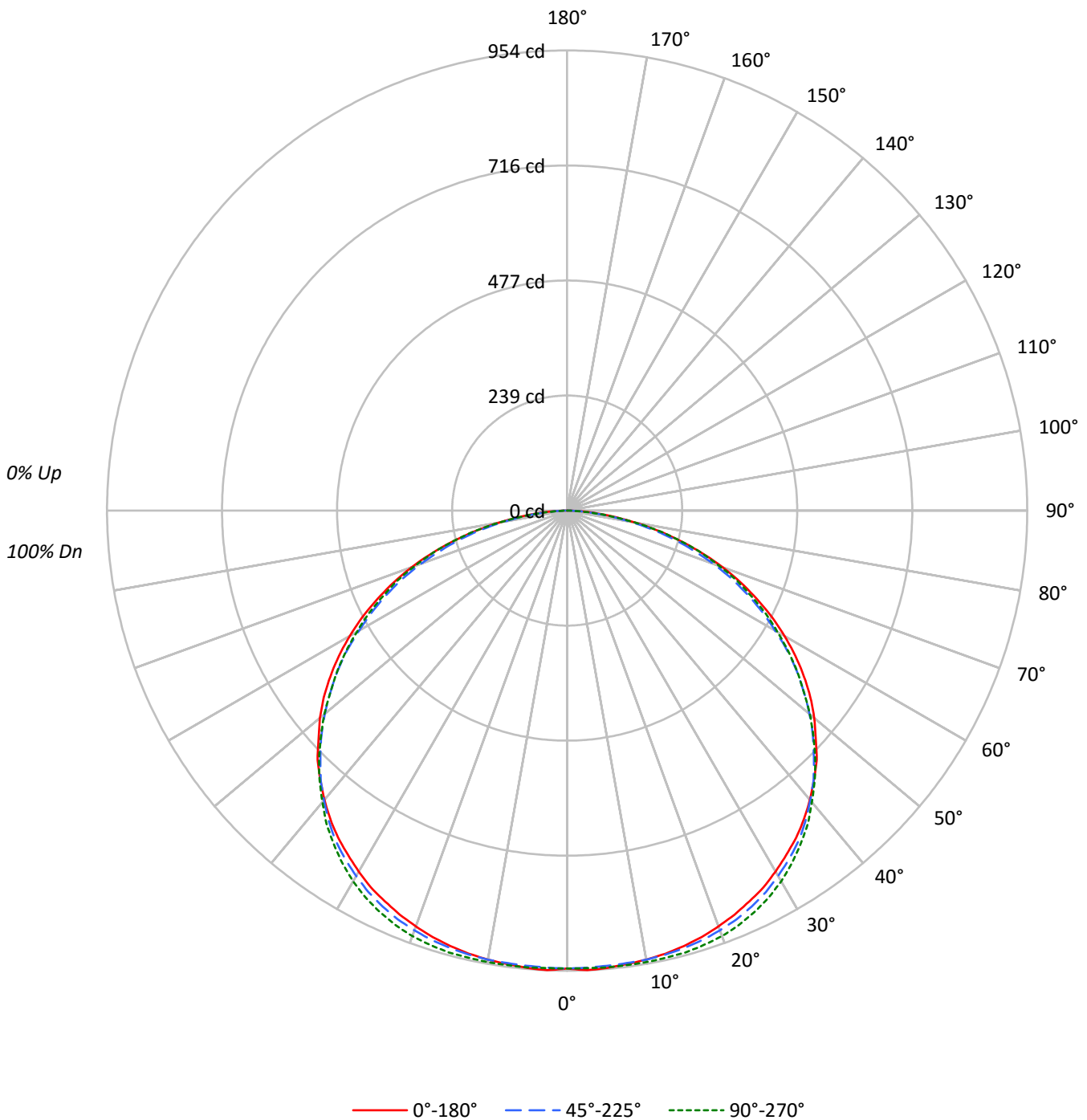
Input Watts (W): 23.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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  | 0   |
| RCR |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 | 102 | 102 | 100 |
| 1   | 108 | 103 | 99  | 95  | 106 | 101 | 97  | 93  | 97  | 93  | 90  |  | 93  | 90  | 88  |  | 89  | 87  | 85  | 83  |
| 2   | 98  | 89  | 82  | 76  | 95  | 88  | 81  | 75  | 84  | 78  | 74  |  | 81  | 76  | 72  |  | 78  | 74  | 70  | 68  |
| 3   | 89  | 78  | 70  | 63  | 87  | 76  | 69  | 62  | 73  | 67  | 61  |  | 71  | 65  | 60  |  | 68  | 63  | 59  | 57  |
| 4   | 81  | 69  | 60  | 53  | 79  | 68  | 59  | 52  | 65  | 58  | 52  |  | 63  | 56  | 51  |  | 60  | 55  | 50  | 48  |
| 5   | 75  | 61  | 52  | 45  | 72  | 60  | 51  | 45  | 58  | 50  | 44  |  | 56  | 49  | 44  |  | 54  | 48  | 43  | 41  |
| 6   | 69  | 55  | 46  | 39  | 67  | 54  | 45  | 39  | 52  | 44  | 39  |  | 50  | 44  | 38  |  | 49  | 43  | 38  | 36  |
| 7   | 64  | 50  | 41  | 34  | 62  | 49  | 40  | 34  | 47  | 40  | 34  |  | 46  | 39  | 34  |  | 44  | 38  | 33  | 31  |
| 8   | 59  | 45  | 37  | 31  | 57  | 45  | 36  | 30  | 43  | 36  | 30  |  | 42  | 35  | 30  |  | 41  | 34  | 30  | 28  |
| 9   | 55  | 41  | 33  | 27  | 54  | 41  | 33  | 27  | 40  | 32  | 27  |  | 39  | 32  | 27  |  | 38  | 31  | 27  | 25  |
| 10  | 52  | 38  | 30  | 25  | 50  | 38  | 30  | 25  | 37  | 29  | 25  |  | 36  | 29  | 24  |  | 35  | 29  | 24  | 22  |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 1488 | 1488 | 1488 |
| 5°  | 1497 | 1490 | 1495 |
| 10° | 1504 | 1504 | 1513 |
| 15° | 1516 | 1523 | 1539 |
| 20° | 1530 | 1544 | 1566 |
| 25° | 1546 | 1566 | 1588 |
| 30° | 1564 | 1583 | 1606 |
| 35° | 1584 | 1600 | 1614 |
| 40° | 1602 | 1604 | 1615 |
| 45° | 1622 | 1603 | 1612 |
| 50° | 1631 | 1600 | 1602 |
| 55° | 1638 | 1589 | 1592 |
| 60° | 1632 | 1562 | 1578 |
| 65° | 1610 | 1531 | 1566 |
| 70° | 1569 | 1476 | 1540 |
| 75° | 1473 | 1382 | 1473 |
| 80° | 1281 | 1194 | 1281 |
| 85° | 1036 | 883  | 901  |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 90.4   | 2.9       |
| 10°-20°   | 265.6  | 8.6       |
| 20°-30°   | 417.5  | 13.4      |
| 30°-40°   | 522.3  | 16.8      |
| 40°-50°   | 560.1  | 18.0      |
| 50°-60°   | 523.0  | 16.8      |
| 60°-70°   | 415.8  | 13.4      |
| 70°-80°   | 248.1  | 8.0       |
| 80°-90°   | 61.8   | 2.0       |
| 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°    | 773.4  | 24.9      |
| 0°-40°    | 1295.8 | 41.7      |
| 0°-60°    | 2378.8 | 76.6      |
| 0°-90°    | 3104.5 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 3104.5 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 949 | 949   | 949 | 949   | 949 |      |
| 5°  | 952 | 947   | 947 | 946   | 950 | 91   |
| 15° | 934 | 933   | 939 | 943   | 948 | 264  |
| 25° | 894 | 895   | 906 | 913   | 918 | 413  |
| 35° | 828 | 829   | 836 | 841   | 844 | 518  |
| 45° | 732 | 726   | 723 | 726   | 728 | 563  |
| 55° | 600 | 590   | 581 | 580   | 582 | 535  |
| 65° | 434 | 424   | 413 | 419   | 422 | 429  |
| 75° | 243 | 232   | 228 | 239   | 243 | 257  |
| 85° | 58  | 51    | 49  | 49    | 50  | 68   |
| 90° | 0   | 0     | 0   | 0     | 0   |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 949.4 | 949.4 | 949.4 | 949.4 | 949.4 |
| 2.5°  | 953.7 | 948.4 | 948.4 | 946.2 | 949.4 |
| 5°    | 951.6 | 947.3 | 947.3 | 946.2 | 950.5 |
| 7.5°  | 948.4 | 945.2 | 946.2 | 946.2 | 950.5 |
| 10°   | 945.2 | 943.0 | 945.2 | 946.2 | 950.5 |
| 12.5° | 940.9 | 937.7 | 943.0 | 945.2 | 949.4 |
| 15°   | 934.5 | 933.4 | 938.8 | 943.0 | 948.4 |
| 17.5° | 927.0 | 926.0 | 933.4 | 938.8 | 944.1 |
| 20°   | 917.4 | 917.4 | 926.0 | 932.4 | 938.8 |
| 22.5° | 906.7 | 907.8 | 917.4 | 924.9 | 930.2 |
| 25°   | 893.9 | 895.0 | 905.7 | 913.1 | 918.5 |
| 27.5° | 881.1 | 881.1 | 891.8 | 899.3 | 904.6 |
| 30°   | 864.1 | 866.2 | 874.7 | 882.2 | 887.5 |
| 32.5° | 845.9 | 848.1 | 856.6 | 863.0 | 867.3 |
| 35°   | 827.8 | 828.9 | 836.3 | 840.6 | 843.8 |
| 37.5° | 806.5 | 806.5 | 811.8 | 815.0 | 819.3 |
| 40°   | 783.0 | 781.9 | 784.1 | 787.3 | 789.4 |
| 42.5° | 757.4 | 755.3 | 756.3 | 759.5 | 759.5 |
| 45°   | 731.8 | 726.5 | 723.3 | 726.5 | 727.5 |
| 47.5° | 698.7 | 696.6 | 691.3 | 692.3 | 692.3 |
| 50°   | 668.9 | 661.4 | 656.1 | 655.0 | 657.1 |
| 52.5° | 635.8 | 627.3 | 618.7 | 617.7 | 618.7 |
| 55°   | 599.5 | 589.9 | 581.4 | 580.3 | 582.5 |
| 57.5° | 561.1 | 551.5 | 541.9 | 543.0 | 544.0 |
| 60°   | 520.6 | 508.8 | 498.2 | 501.4 | 503.5 |
| 62.5° | 479.0 | 467.2 | 456.6 | 459.8 | 465.1 |
| 65°   | 434.2 | 423.5 | 412.8 | 419.2 | 422.4 |
| 67.5° | 389.4 | 377.6 | 369.1 | 376.6 | 381.9 |
| 70°   | 342.4 | 329.6 | 322.2 | 331.8 | 336.0 |
| 72.5° | 293.4 | 283.8 | 274.2 | 287.0 | 292.3 |
| 75°   | 243.2 | 231.5 | 228.3 | 239.0 | 243.2 |
| 77.5° | 194.2 | 183.5 | 180.3 | 189.9 | 195.2 |
| 80°   | 141.9 | 135.5 | 132.3 | 138.7 | 141.9 |
| 82.5° | 96.0  | 88.5  | 87.5  | 90.7  | 92.8  |
| 85°   | 57.6  | 51.2  | 49.1  | 49.1  | 50.1  |
| 87.5° | 24.5  | 21.3  | 16.0  | 14.9  | 11.7  |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)