

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: P302052

Luminaire Tested: **RX-WO-29L940-UNV-14-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302052  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: RX-WO-29L940-UNV-14-STD  
Description: CORELITE CLASS RX 1X4 LED LUMINAIRE.  
ROUND LENS  
Light Source: (84)4000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

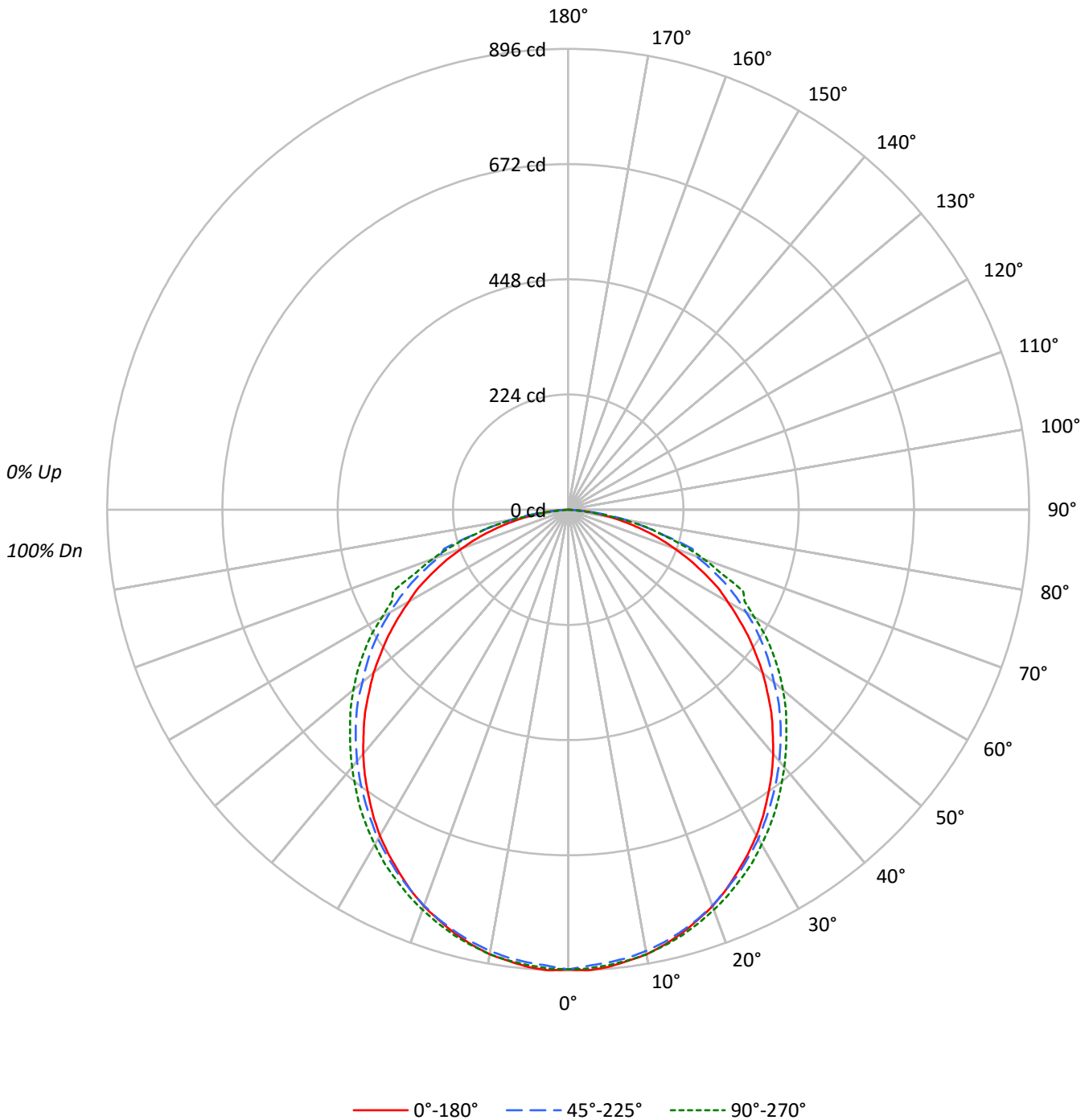
Lumens per Lamp: N/A  
Luminaire Lumens: 2541.6 lumens  
Efficiency: N/A  
Efficacy: 104.6 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.25 / 1.36  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 24.3  
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: 25 FT



TEST NUMBER: P302052  
CATALOG NUMBER: RX-WO-29L940-UNV-14-STD

### Luminous Intensity Polar Plot





TEST NUMBER: P302052

CATALOG NUMBER: RX-WO-29L940-UNV-14-STD

**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 | 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   | 109 | 104 | 99  | 96  | 106 | 102 | 98  | 94  | 97  | 94  | 91  | 93  | 91  | 88  | 90  | 88  | 86  | 83  |    |    |    |    | 83  |   |  |   |
| 2   | 99  | 90  | 83  | 77  | 96  | 88  | 82  | 77  | 85  | 79  | 75  | 81  | 77  | 73  | 78  | 75  | 71  | 69  |    |    |    |    | 69  |   |  |   |
| 3   | 90  | 79  | 71  | 64  | 87  | 77  | 70  | 64  | 74  | 68  | 62  | 72  | 66  | 61  | 69  | 64  | 60  | 58  |    |    |    |    | 58  |   |  |   |
| 4   | 82  | 70  | 61  | 54  | 80  | 69  | 60  | 54  | 66  | 59  | 53  | 64  | 57  | 52  | 61  | 56  | 52  | 49  |    |    |    |    | 49  |   |  |   |
| 5   | 75  | 62  | 53  | 47  | 73  | 61  | 53  | 46  | 59  | 52  | 46  | 57  | 50  | 45  | 55  | 49  | 45  | 43  |    |    |    |    | 43  |   |  |   |
| 6   | 70  | 56  | 47  | 41  | 68  | 55  | 47  | 40  | 53  | 46  | 40  | 52  | 45  | 40  | 50  | 44  | 39  | 37  |    |    |    |    | 37  |   |  |   |
| 7   | 65  | 51  | 42  | 36  | 63  | 50  | 42  | 36  | 48  | 41  | 35  | 47  | 40  | 35  | 46  | 40  | 35  | 33  |    |    |    |    | 33  |   |  |   |
| 8   | 60  | 46  | 38  | 32  | 58  | 46  | 38  | 32  | 44  | 37  | 32  | 43  | 36  | 31  | 42  | 36  | 31  | 29  |    |    |    |    | 29  |   |  |   |
| 9   | 56  | 43  | 34  | 29  | 55  | 42  | 34  | 29  | 41  | 34  | 28  | 40  | 33  | 28  | 39  | 33  | 28  | 26  |    |    |    |    | 26  |   |  |   |
| 10  | 53  | 39  | 31  | 26  | 51  | 39  | 31  | 26  | 38  | 31  | 26  | 37  | 30  | 26  | 36  | 30  | 26  | 24  |    |    |    |    | 24  |   |  |   |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 2405 | 2405 | 2405 |
| 5°  | 2411 | 2388 | 2401 |
| 10° | 2398 | 2381 | 2398 |
| 15° | 2376 | 2365 | 2386 |
| 20° | 2349 | 2346 | 2371 |
| 25° | 2310 | 2321 | 2354 |
| 30° | 2274 | 2297 | 2336 |
| 35° | 2224 | 2265 | 2318 |
| 40° | 2177 | 2242 | 2295 |
| 45° | 2125 | 2220 | 2282 |
| 50° | 2067 | 2187 | 2281 |
| 55° | 2000 | 2176 | 2275 |
| 60° | 1926 | 2154 | 2248 |
| 65° | 1850 | 2136 | 2390 |
| 70° | 1726 | 2089 | 2207 |
| 75° | 1555 | 2022 | 1983 |
| 80° | 1314 | 1739 | 1643 |
| 85° | 963  | 846  | 309  |



TEST NUMBER: P302052

CATALOG NUMBER: RX-WO-29L940-UNV-14-STD

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 84.4   | 3.3       |
| 10°-20°   | 240.6  | 9.5       |
| 20°-30°   | 361.7  | 14.2      |
| 30°-40°   | 432.6  | 17.0      |
| 40°-50°   | 448.5  | 17.6      |
| 50°-60°   | 411.4  | 16.2      |
| 60°-70°   | 327.2  | 12.9      |
| 70°-80°   | 194.4  | 7.6       |
| 80°-90°   | 40.8   | 1.6       |
| 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°    | 686.7  | 27.0      |
| 0°-40°    | 1119.3 | 44.0      |
| 0°-60°    | 1979.2 | 77.9      |
| 0°-90°    | 2541.6 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2541.6 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 894 | 894   | 894 | 894   | 894 |      |
| 5°  | 893 | 890   | 884 | 890   | 889 | 85   |
| 15° | 853 | 852   | 849 | 856   | 856 | 240  |
| 25° | 778 | 779   | 782 | 793   | 793 | 359  |
| 35° | 677 | 681   | 689 | 703   | 706 | 424  |
| 45° | 558 | 567   | 583 | 596   | 600 | 430  |
| 55° | 426 | 441   | 464 | 482   | 485 | 381  |
| 65° | 290 | 308   | 335 | 349   | 375 | 288  |
| 75° | 150 | 171   | 194 | 193   | 191 | 159  |
| 85° | 31  | 39    | 27  | 15    | 10  | 38   |
| 90° | 0   | 0     | 0   | 0     | 0   |      |



TEST NUMBER: P302052

CATALOG NUMBER: RX-WO-29L940-UNV-14-STD

**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 893.9 | 893.9 | 893.9 | 893.9 | 893.9 |
| 2.5°  | 896.4 | 893.9 | 887.6 | 893.9 | 892.6 |
| 5°    | 892.6 | 890.1 | 883.9 | 890.1 | 888.9 |
| 7.5°  | 885.1 | 883.9 | 878.9 | 885.1 | 883.9 |
| 10°   | 877.7 | 875.2 | 871.4 | 877.7 | 877.7 |
| 12.5° | 866.4 | 864.0 | 861.5 | 868.9 | 867.7 |
| 15°   | 852.7 | 851.5 | 849.0 | 856.5 | 856.5 |
| 17.5° | 836.5 | 836.5 | 835.3 | 842.8 | 842.8 |
| 20°   | 820.3 | 819.1 | 819.1 | 827.8 | 827.8 |
| 22.5° | 800.4 | 800.4 | 800.4 | 811.6 | 811.6 |
| 25°   | 777.9 | 779.2 | 781.7 | 792.9 | 792.9 |
| 27.5° | 755.5 | 758.0 | 760.5 | 771.7 | 774.2 |
| 30°   | 731.8 | 733.0 | 739.3 | 750.5 | 751.7 |
| 32.5° | 705.6 | 708.1 | 714.3 | 726.8 | 729.3 |
| 35°   | 676.9 | 680.7 | 689.4 | 703.1 | 705.6 |
| 37.5° | 649.5 | 654.5 | 664.5 | 678.2 | 679.4 |
| 40°   | 619.6 | 625.8 | 638.3 | 650.8 | 653.3 |
| 42.5° | 588.4 | 595.9 | 610.9 | 624.6 | 627.1 |
| 45°   | 558.5 | 567.2 | 583.4 | 595.9 | 599.7 |
| 47.5° | 524.9 | 534.8 | 554.8 | 569.7 | 573.5 |
| 50°   | 493.7 | 503.7 | 522.4 | 541.1 | 544.8 |
| 52.5° | 458.8 | 472.5 | 493.7 | 512.4 | 516.1 |
| 55°   | 426.4 | 441.3 | 463.8 | 482.5 | 485.0 |
| 57.5° | 391.5 | 407.7 | 432.6 | 450.1 | 453.8 |
| 60°   | 357.8 | 375.3 | 400.2 | 416.4 | 417.6 |
| 62.5° | 327.9 | 342.8 | 367.8 | 382.7 | 386.5 |
| 65°   | 290.5 | 307.9 | 335.4 | 349.1 | 375.3 |
| 67.5° | 255.6 | 273.0 | 299.2 | 345.3 | 320.4 |
| 70°   | 219.4 | 239.4 | 265.5 | 278.0 | 280.5 |
| 72.5° | 185.8 | 205.7 | 253.1 | 239.4 | 238.1 |
| 75°   | 149.6 | 170.8 | 194.5 | 193.2 | 190.7 |
| 77.5° | 115.9 | 138.4 | 152.1 | 153.3 | 153.3 |
| 80°   | 84.8  | 112.2 | 112.2 | 112.2 | 106.0 |
| 82.5° | 54.9  | 72.3  | 72.3  | 62.3  | 56.1  |
| 85°   | 31.2  | 38.6  | 27.4  | 15.0  | 10.0  |
| 87.5° | 11.2  | 8.7   | 2.5   | 2.5   | 1.2   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)