

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: P302112

Luminaire Tested: **RX-WO-34H930-UNV-22-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302112  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: RX-WO-34H930-UNV-22-STD  
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.  
ROUND LENS, HIGH PERFORMANCE LUMEN PACKAGE.  
Light Source: (294)3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

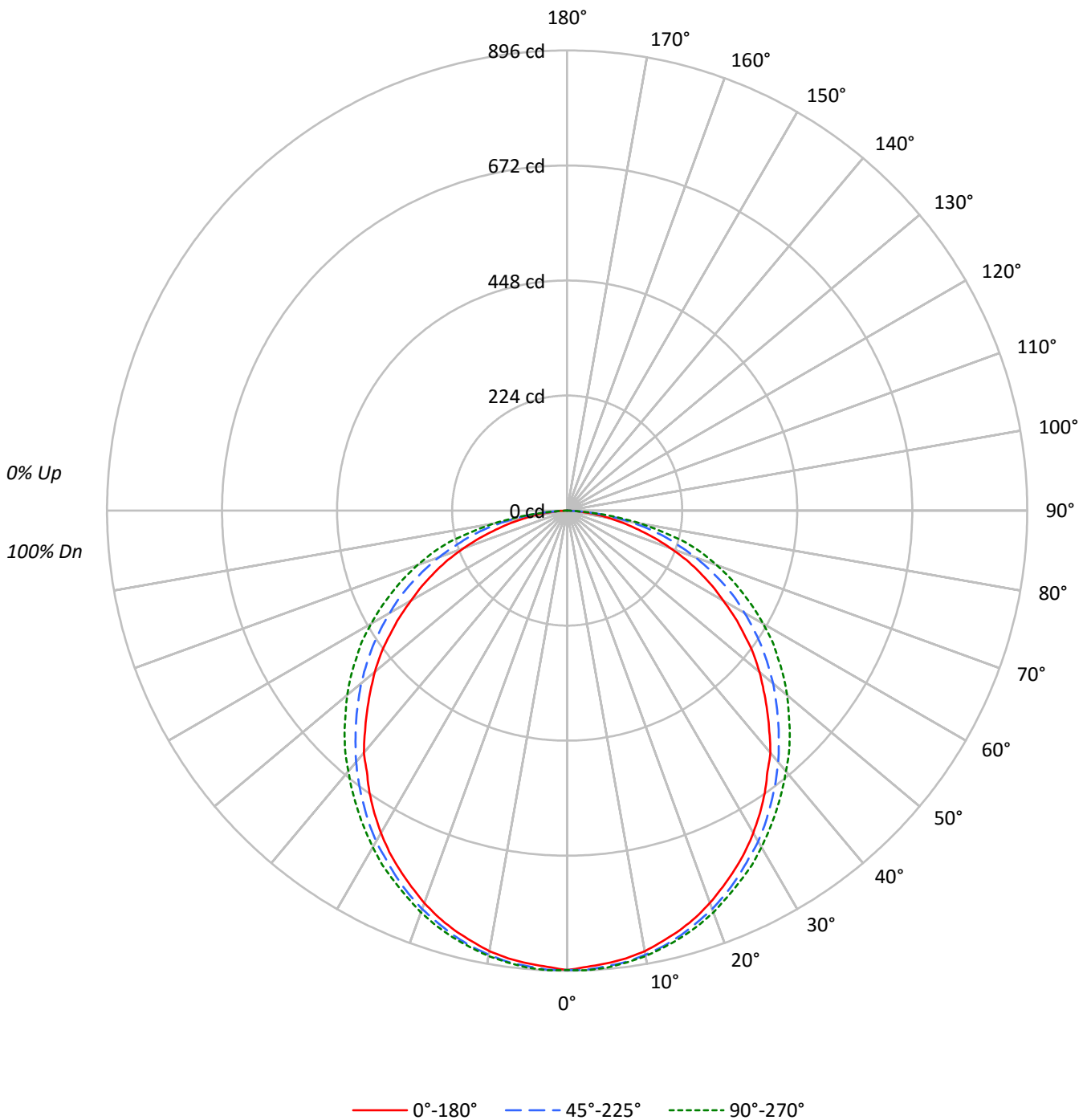
Lumens per Lamp: N/A  
Luminaire Lumens: 2564.4 lumens  
Efficiency: N/A  
Efficacy: 104.7 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.36  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 24.5  
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



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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 | 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   | 108 | 104 | 99  | 95  | 106 | 101 | 97  | 94  | 97  | 94  | 91  | 93  | 90  | 88  | 89  | 87  | 85  | 83  |    |    |    |    | 83  |   |  |   |
| 2   | 98  | 90  | 83  | 77  | 96  | 88  | 82  | 76  | 84  | 79  | 74  | 81  | 77  | 73  | 78  | 74  | 71  | 69  |    |    |    |    | 69  |   |  |   |
| 3   | 90  | 79  | 70  | 64  | 87  | 77  | 69  | 63  | 74  | 68  | 62  | 71  | 66  | 61  | 69  | 64  | 60  | 58  |    |    |    |    | 58  |   |  |   |
| 4   | 82  | 70  | 61  | 54  | 80  | 68  | 60  | 53  | 66  | 58  | 53  | 63  | 57  | 52  | 61  | 56  | 51  | 49  |    |    |    |    | 49  |   |  |   |
| 5   | 75  | 62  | 53  | 46  | 73  | 61  | 52  | 46  | 59  | 51  | 45  | 57  | 50  | 45  | 55  | 49  | 44  | 42  |    |    |    |    | 42  |   |  |   |
| 6   | 69  | 56  | 47  | 40  | 68  | 55  | 46  | 40  | 53  | 45  | 40  | 51  | 45  | 39  | 50  | 44  | 39  | 37  |    |    |    |    | 37  |   |  |   |
| 7   | 64  | 51  | 42  | 36  | 63  | 50  | 41  | 35  | 48  | 41  | 35  | 47  | 40  | 35  | 45  | 39  | 35  | 33  |    |    |    |    | 33  |   |  |   |
| 8   | 60  | 46  | 38  | 32  | 58  | 46  | 37  | 32  | 44  | 37  | 31  | 43  | 36  | 31  | 42  | 36  | 31  | 29  |    |    |    |    | 29  |   |  |   |
| 9   | 56  | 42  | 34  | 29  | 55  | 42  | 34  | 28  | 41  | 33  | 28  | 40  | 33  | 28  | 39  | 32  | 28  | 26  |    |    |    |    | 26  |   |  |   |
| 10  | 52  | 39  | 31  | 26  | 51  | 39  | 31  | 26  | 38  | 31  | 26  | 37  | 30  | 26  | 36  | 30  | 25  | 24  |    |    |    |    | 24  |   |  |   |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 2407 | 2407 | 2407 |
| 5°  | 2391 | 2405 | 2413 |
| 10° | 2380 | 2399 | 2407 |
| 15° | 2358 | 2385 | 2396 |
| 20° | 2329 | 2364 | 2384 |
| 25° | 2291 | 2336 | 2365 |
| 30° | 2252 | 2312 | 2351 |
| 35° | 2204 | 2277 | 2336 |
| 40° | 2163 | 2245 | 2328 |
| 45° | 2097 | 2212 | 2333 |
| 50° | 2046 | 2190 | 2341 |
| 55° | 1976 | 2170 | 2351 |
| 60° | 1887 | 2147 | 2370 |
| 65° | 1811 | 2127 | 2391 |
| 70° | 1684 | 2086 | 2434 |
| 75° | 1493 | 2038 | 2483 |
| 80° | 1263 | 1905 | 2247 |
| 85° | 895  | 1321 | 1278 |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 84.6   | 3.3       |
| 10°-20°   | 241.0  | 9.4       |
| 20°-30°   | 362.2  | 14.1      |
| 30°-40°   | 433.3  | 16.9      |
| 40°-50°   | 449.3  | 17.5      |
| 50°-60°   | 413.2  | 16.1      |
| 60°-70°   | 328.0  | 12.8      |
| 70°-80°   | 202.6  | 7.9       |
| 80°-90°   | 50.3   | 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°    | 687.8  | 26.8      |
| 0°-40°    | 1121.0 | 43.7      |
| 0°-60°    | 1983.6 | 77.3      |
| 0°-90°    | 2564.4 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2564.4 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 895 | 895   | 895 | 895   | 895 |      |
| 5°  | 885 | 888   | 890 | 893   | 893 | 84   |
| 15° | 846 | 849   | 856 | 860   | 860 | 239  |
| 25° | 772 | 777   | 787 | 795   | 797 | 356  |
| 35° | 671 | 678   | 693 | 707   | 711 | 420  |
| 45° | 551 | 560   | 581 | 605   | 613 | 426  |
| 55° | 421 | 432   | 462 | 494   | 501 | 377  |
| 65° | 284 | 297   | 334 | 366   | 376 | 281  |
| 75° | 144 | 163   | 196 | 226   | 239 | 154  |
| 85° | 29  | 37    | 43  | 43    | 41  | 37   |
| 90° | 0   | 0     | 0   | 0     | 0   |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 894.6 | 894.6 | 894.6 | 894.6 | 894.6 |
| 2.5°  | 889.1 | 890.5 | 894.6 | 896.0 | 896.0 |
| 5°    | 885.0 | 887.7 | 890.5 | 893.2 | 893.2 |
| 7.5°  | 879.4 | 882.2 | 886.3 | 887.7 | 887.7 |
| 10°   | 871.1 | 873.9 | 878.1 | 880.8 | 880.8 |
| 12.5° | 858.7 | 862.9 | 868.4 | 871.1 | 871.1 |
| 15°   | 846.3 | 849.1 | 856.0 | 860.1 | 860.1 |
| 17.5° | 831.1 | 833.9 | 840.8 | 846.3 | 847.7 |
| 20°   | 813.2 | 815.9 | 825.6 | 831.1 | 832.5 |
| 22.5° | 792.5 | 796.6 | 807.6 | 813.2 | 814.5 |
| 25°   | 771.7 | 777.3 | 786.9 | 795.2 | 796.6 |
| 27.5° | 749.7 | 755.2 | 764.8 | 775.9 | 778.7 |
| 30°   | 724.8 | 730.3 | 744.1 | 753.8 | 756.6 |
| 32.5° | 698.6 | 705.5 | 719.3 | 731.7 | 734.5 |
| 35°   | 671.0 | 677.9 | 693.1 | 706.9 | 711.0 |
| 37.5° | 640.6 | 650.3 | 666.8 | 682.0 | 687.5 |
| 40°   | 615.7 | 621.3 | 639.2 | 657.2 | 662.7 |
| 42.5° | 582.6 | 590.9 | 610.2 | 630.9 | 639.2 |
| 45°   | 550.9 | 560.5 | 581.2 | 604.7 | 613.0 |
| 47.5° | 519.1 | 528.8 | 552.2 | 577.1 | 585.4 |
| 50°   | 488.7 | 497.0 | 523.2 | 550.9 | 559.1 |
| 52.5° | 457.0 | 465.3 | 492.9 | 523.2 | 531.5 |
| 55°   | 421.1 | 432.1 | 462.5 | 494.2 | 501.2 |
| 57.5° | 387.9 | 399.0 | 430.7 | 461.1 | 473.5 |
| 60°   | 350.7 | 364.5 | 399.0 | 429.4 | 440.4 |
| 62.5° | 318.9 | 330.0 | 368.6 | 399.0 | 408.7 |
| 65°   | 284.4 | 296.8 | 334.1 | 365.9 | 375.5 |
| 67.5° | 251.3 | 263.7 | 299.6 | 331.3 | 343.8 |
| 70°   | 214.0 | 227.8 | 265.1 | 296.8 | 309.3 |
| 72.5° | 179.5 | 196.0 | 229.2 | 262.3 | 276.1 |
| 75°   | 143.6 | 162.9 | 196.0 | 226.4 | 238.8 |
| 77.5° | 111.8 | 128.4 | 160.1 | 180.9 | 187.8 |
| 80°   | 81.5  | 98.0  | 122.9 | 136.7 | 145.0 |
| 82.5° | 55.2  | 64.9  | 84.2  | 93.9  | 93.9  |
| 85°   | 29.0  | 37.3  | 42.8  | 42.8  | 41.4  |
| 87.5° | 9.7   | 11.0  | 8.3   | 4.1   | 2.8   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)