

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: P302189

Luminaire Tested: **RX-WO-34L935-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302189
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-39)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: RX-WO-34L935-UNV-22-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, STANDARD LUMEN PACKAGE.
Light Source: (196)3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

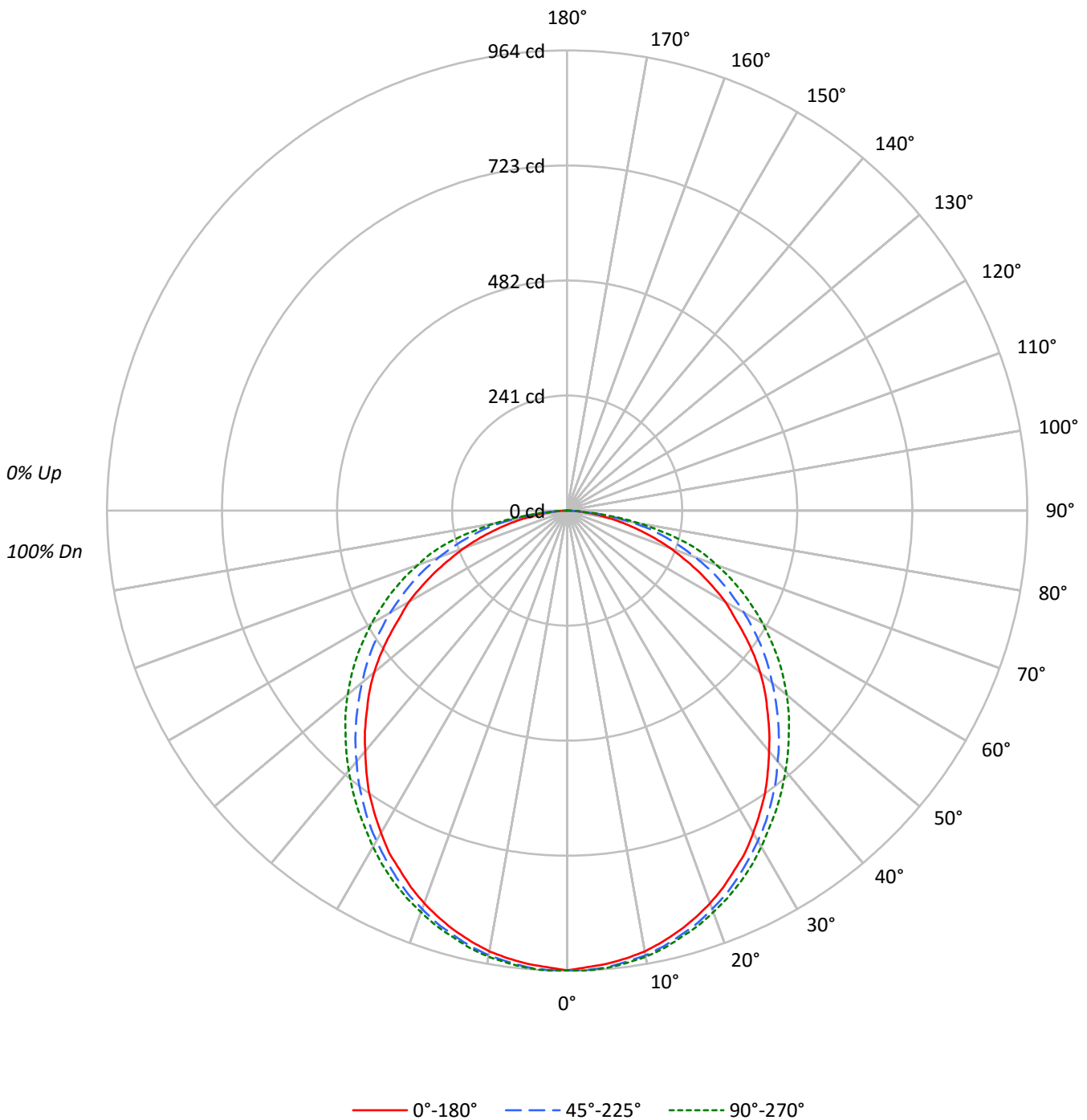
Lumens per Lamp: N/A
Luminaire Lumens: 2757.3 lumens
Efficiency: N/A
Efficacy: 106.9 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.25 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 25.8
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 | 46 | 57 | 50 | 45 | 55 | 49 | 45 | 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 | 53 | 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° | 2592 | 2592 | 2592 |
| 5° | 2575 | 2594 | 2598 |
| 10° | 2562 | 2585 | 2593 |
| 15° | 2537 | 2565 | 2577 |
| 20° | 2507 | 2544 | 2564 |
| 25° | 2465 | 2516 | 2549 |
| 30° | 2422 | 2484 | 2527 |
| 35° | 2375 | 2449 | 2510 |
| 40° | 2312 | 2411 | 2500 |
| 45° | 2257 | 2381 | 2499 |
| 50° | 2211 | 2347 | 2513 |
| 55° | 2127 | 2332 | 2531 |
| 60° | 2060 | 2303 | 2546 |
| 65° | 1942 | 2284 | 2581 |
| 70° | 1811 | 2245 | 2622 |
| 75° | 1600 | 2202 | 2672 |
| 80° | 1334 | 2056 | 2385 |
| 85° | 1003 | 1396 | 1266 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 91.1 | 3.3 |
| 10°-20° | 259.5 | 9.4 |
| 20°-30° | 389.9 | 14.1 |
| 30°-40° | 465.8 | 16.9 |
| 40°-50° | 483.0 | 17.5 |
| 50°-60° | 443.6 | 16.1 |
| 60°-70° | 352.3 | 12.8 |
| 70°-80° | 218.7 | 7.9 |
| 80°-90° | 53.5 | 1.9 |
| 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° | 740.4 | 26.9 |
| 0°-40° | 1206.2 | 43.7 |
| 0°-60° | 2132.8 | 77.4 |
| 0°-90° | 2757.3 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 2757.3 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 963 | 963 | 963 | 963 | 963 | |
| 5° | 953 | 956 | 960 | 962 | 962 | 90 |
| 15° | 911 | 914 | 921 | 925 | 925 | 257 |
| 25° | 830 | 836 | 847 | 857 | 859 | 383 |
| 35° | 723 | 730 | 746 | 760 | 764 | 451 |
| 45° | 593 | 602 | 626 | 650 | 657 | 458 |
| 55° | 453 | 465 | 497 | 528 | 539 | 406 |
| 65° | 305 | 319 | 359 | 393 | 405 | 302 |
| 75° | 154 | 174 | 212 | 244 | 257 | 165 |
| 85° | 32 | 40 | 45 | 44 | 41 | 40 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



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CATALOG NUMBER: RX-WO-34L935-UNV-22-STD

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|-------|-------|-------|-------|-------|
| 0° | 963.1 | 963.1 | 963.1 | 963.1 | 963.1 |
| 2.5° | 957.4 | 958.9 | 963.1 | 965.9 | 964.5 |
| 5° | 953.2 | 956.0 | 960.3 | 961.7 | 961.7 |
| 7.5° | 946.1 | 949.0 | 953.2 | 956.0 | 956.0 |
| 10° | 937.7 | 940.5 | 946.1 | 949.0 | 949.0 |
| 12.5° | 925.0 | 927.8 | 934.8 | 937.7 | 939.1 |
| 15° | 910.8 | 913.7 | 920.7 | 925.0 | 925.0 |
| 17.5° | 893.9 | 898.1 | 906.6 | 910.8 | 912.3 |
| 20° | 875.5 | 879.8 | 888.2 | 893.9 | 895.3 |
| 22.5° | 854.4 | 858.6 | 869.9 | 876.9 | 878.4 |
| 25° | 830.3 | 836.0 | 847.3 | 857.2 | 858.6 |
| 27.5° | 807.8 | 812.0 | 823.3 | 833.2 | 837.4 |
| 30° | 779.5 | 786.6 | 799.3 | 810.6 | 813.4 |
| 32.5° | 751.3 | 759.7 | 773.9 | 786.6 | 788.0 |
| 35° | 723.0 | 730.1 | 745.6 | 759.7 | 764.0 |
| 37.5° | 690.5 | 697.6 | 717.4 | 732.9 | 738.6 |
| 40° | 658.1 | 667.9 | 686.3 | 704.7 | 711.7 |
| 42.5° | 627.0 | 636.9 | 656.7 | 677.8 | 684.9 |
| 45° | 593.1 | 601.6 | 625.6 | 649.6 | 656.7 |
| 47.5° | 562.0 | 569.1 | 593.1 | 621.3 | 629.8 |
| 50° | 528.1 | 533.8 | 560.6 | 591.7 | 600.2 |
| 52.5° | 491.4 | 499.9 | 529.6 | 560.6 | 570.5 |
| 55° | 453.3 | 464.6 | 497.1 | 528.1 | 539.4 |
| 57.5° | 415.2 | 427.9 | 461.8 | 495.7 | 505.6 |
| 60° | 382.7 | 391.2 | 427.9 | 461.8 | 473.1 |
| 62.5° | 343.2 | 355.9 | 392.6 | 427.9 | 439.2 |
| 65° | 305.0 | 319.1 | 358.7 | 392.6 | 405.3 |
| 67.5° | 265.5 | 282.4 | 323.4 | 355.9 | 370.0 |
| 70° | 230.2 | 247.1 | 285.3 | 319.1 | 333.3 |
| 72.5° | 192.1 | 210.4 | 248.5 | 283.8 | 299.4 |
| 75° | 153.9 | 173.7 | 211.8 | 244.3 | 257.0 |
| 77.5° | 120.0 | 139.8 | 175.1 | 197.7 | 203.4 |
| 80° | 86.1 | 103.1 | 132.7 | 148.3 | 153.9 |
| 82.5° | 57.9 | 70.6 | 90.4 | 96.0 | 98.9 |
| 85° | 32.5 | 39.5 | 45.2 | 43.8 | 41.0 |
| 87.5° | 14.1 | 11.3 | 9.9 | 4.2 | 2.8 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)