

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: P302382

Luminaire Tested: **RX-WO-35L930-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302382
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-41)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: RX-WO-35L930-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, STANDARD LUMEN PACKAGE.
Light Source: (168)3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

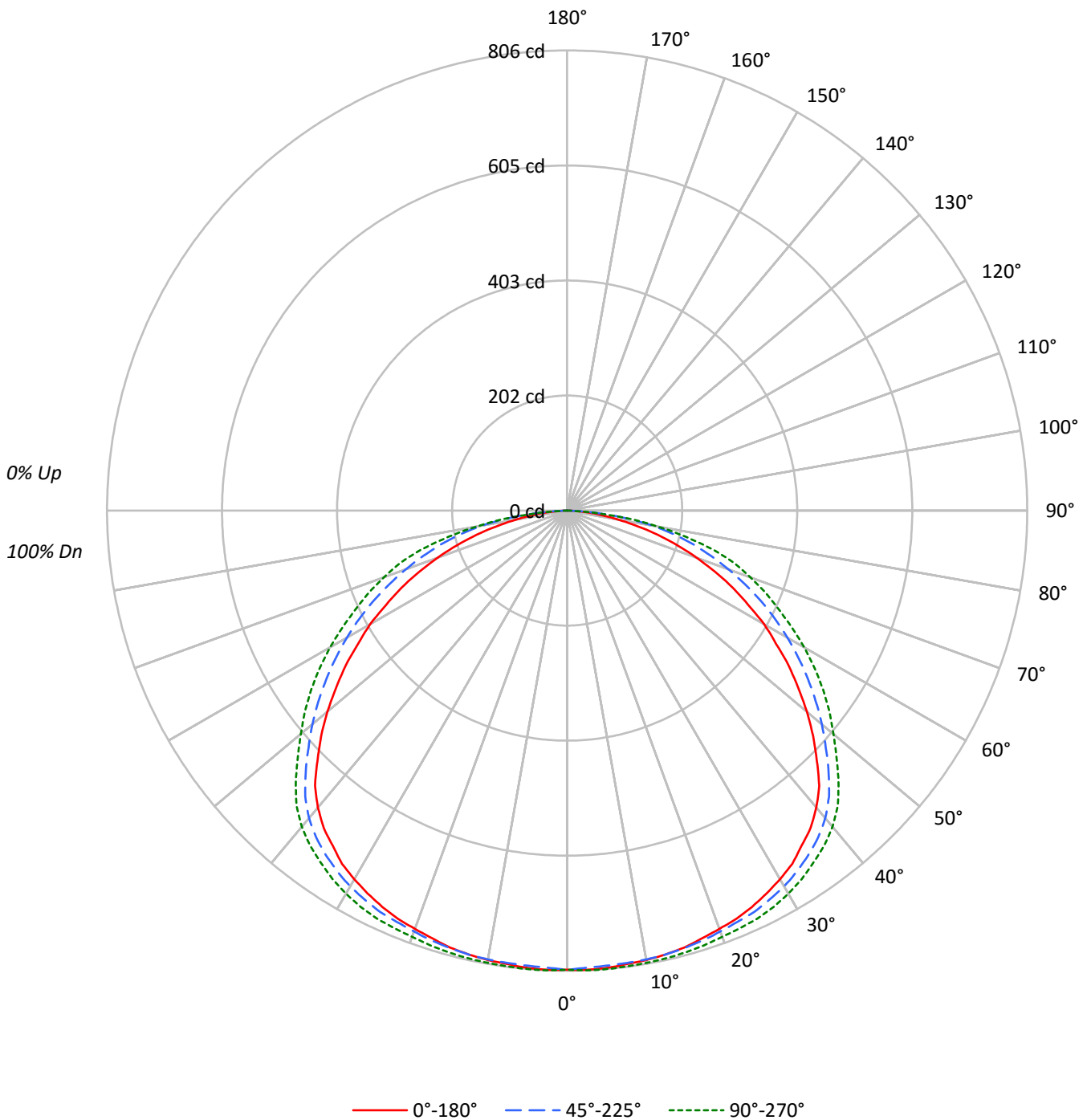
Lumens per Lamp: N/A
Luminaire Lumens: 2738.4 lumens
Efficiency: N/A
Efficacy: 101.8 lumens/watt
Spacing Criteria (0/90/45): 1.38 / 1.43 / 1.51
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 26.9
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 | 0 |
| RCR | | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | | 106 | 106 | 106 | | 102 | 102 | 102 | 100 |
| 1 | 108 | 103 | 98 | 94 | 105 | 101 | 97 | 93 | 96 | 93 | 90 | | 93 | 90 | 87 | | 89 | 87 | 85 | 82 |
| 2 | 98 | 89 | 82 | 76 | 95 | 87 | 81 | 75 | 84 | 78 | 73 | | 80 | 76 | 71 | | 77 | 73 | 70 | 68 |
| 3 | 89 | 78 | 69 | 62 | 86 | 76 | 68 | 62 | 73 | 66 | 61 | | 70 | 64 | 59 | | 68 | 63 | 58 | 56 |
| 4 | 81 | 68 | 59 | 52 | 79 | 67 | 58 | 52 | 64 | 57 | 51 | | 62 | 56 | 50 | | 60 | 54 | 50 | 47 |
| 5 | 74 | 61 | 51 | 45 | 72 | 60 | 51 | 44 | 58 | 50 | 44 | | 55 | 49 | 43 | | 54 | 48 | 43 | 41 |
| 6 | 68 | 55 | 45 | 39 | 66 | 54 | 45 | 38 | 52 | 44 | 38 | | 50 | 43 | 38 | | 48 | 42 | 37 | 35 |
| 7 | 63 | 49 | 40 | 34 | 61 | 48 | 40 | 34 | 47 | 39 | 33 | | 45 | 38 | 33 | | 44 | 38 | 33 | 31 |
| 8 | 59 | 45 | 36 | 30 | 57 | 44 | 36 | 30 | 43 | 35 | 30 | | 41 | 35 | 30 | | 40 | 34 | 29 | 27 |
| 9 | 55 | 41 | 33 | 27 | 53 | 40 | 32 | 27 | 39 | 32 | 27 | | 38 | 31 | 26 | | 37 | 31 | 26 | 24 |
| 10 | 51 | 38 | 30 | 24 | 50 | 37 | 29 | 24 | 36 | 29 | 24 | | 35 | 29 | 24 | | 34 | 28 | 24 | 22 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 1082 | 1082 | 1082 |
| 5° | 1086 | 1081 | 1089 |
| 10° | 1092 | 1091 | 1099 |
| 15° | 1104 | 1105 | 1116 |
| 20° | 1116 | 1123 | 1137 |
| 25° | 1137 | 1152 | 1171 |
| 30° | 1158 | 1181 | 1204 |
| 35° | 1176 | 1210 | 1236 |
| 40° | 1193 | 1236 | 1270 |
| 45° | 1177 | 1233 | 1279 |
| 50° | 1147 | 1219 | 1274 |
| 55° | 1112 | 1208 | 1284 |
| 60° | 1073 | 1199 | 1291 |
| 65° | 1020 | 1191 | 1300 |
| 70° | 949 | 1184 | 1341 |
| 75° | 854 | 1188 | 1377 |
| 80° | 704 | 1174 | 1257 |
| 85° | 513 | 875 | 815 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 76.6 | 2.8 |
| 10°-20° | 225.2 | 8.2 |
| 20°-30° | 358.6 | 13.1 |
| 30°-40° | 461.0 | 16.8 |
| 40°-50° | 498.6 | 18.2 |
| 50°-60° | 458.6 | 16.7 |
| 60°-70° | 365.6 | 13.4 |
| 70°-80° | 232.3 | 8.5 |
| 80°-90° | 61.9 | 2.3 |
| 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° | 660.4 | 24.1 |
| 0°-40° | 1121.5 | 41.0 |
| 0°-60° | 2078.6 | 75.9 |
| 0°-90° | 2738.4 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 2738.4 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 804 | 804 | 804 | 804 | 804 | |
| 5° | 804 | 804 | 800 | 805 | 806 | 77 |
| 15° | 792 | 793 | 793 | 800 | 801 | 224 |
| 25° | 766 | 769 | 776 | 785 | 788 | 353 |
| 35° | 716 | 724 | 737 | 750 | 752 | 449 |
| 45° | 618 | 629 | 648 | 665 | 672 | 477 |
| 55° | 474 | 488 | 515 | 538 | 547 | 423 |
| 65° | 320 | 337 | 374 | 402 | 408 | 316 |
| 75° | 164 | 188 | 229 | 259 | 265 | 174 |
| 85° | 33 | 52 | 57 | 57 | 53 | 41 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P302382

CATALOG NUMBER: RX-WO-35L930-UNV-24-STD

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|-------|-------|-------|-------|-------|
| 0° | 804.2 | 804.2 | 804.2 | 804.2 | 804.2 |
| 2.5° | 805.1 | 805.1 | 801.2 | 806.1 | 806.1 |
| 5° | 804.2 | 804.2 | 800.2 | 805.1 | 806.1 |
| 7.5° | 801.2 | 802.2 | 799.3 | 804.2 | 805.1 |
| 10° | 799.3 | 800.2 | 798.3 | 803.2 | 804.2 |
| 12.5° | 796.3 | 797.3 | 796.3 | 802.2 | 803.2 |
| 15° | 792.4 | 793.4 | 793.4 | 800.2 | 801.2 |
| 17.5° | 785.6 | 787.5 | 789.5 | 797.3 | 798.3 |
| 20° | 779.7 | 781.7 | 784.6 | 793.4 | 794.4 |
| 22.5° | 773.9 | 775.8 | 779.7 | 790.5 | 791.5 |
| 25° | 766.0 | 769.0 | 775.8 | 784.6 | 788.5 |
| 27.5° | 756.3 | 762.1 | 768.0 | 778.8 | 782.7 |
| 30° | 745.5 | 751.4 | 760.2 | 771.9 | 774.8 |
| 32.5° | 733.8 | 739.7 | 749.4 | 762.1 | 765.1 |
| 35° | 716.2 | 724.0 | 736.7 | 750.4 | 752.4 |
| 37.5° | 700.6 | 708.4 | 722.1 | 736.7 | 739.7 |
| 40° | 679.1 | 688.9 | 703.5 | 717.2 | 723.1 |
| 42.5° | 653.7 | 663.5 | 679.1 | 695.7 | 701.6 |
| 45° | 618.5 | 629.3 | 647.8 | 665.4 | 672.2 |
| 47.5° | 584.3 | 594.1 | 614.6 | 635.1 | 640.0 |
| 50° | 548.2 | 559.9 | 582.4 | 603.8 | 608.7 |
| 52.5° | 510.0 | 524.7 | 549.1 | 571.6 | 579.4 |
| 55° | 473.9 | 487.6 | 514.9 | 538.4 | 547.2 |
| 57.5° | 433.8 | 450.4 | 480.7 | 506.1 | 514.0 |
| 60° | 398.7 | 413.3 | 445.6 | 471.9 | 479.8 |
| 62.5° | 357.6 | 375.2 | 410.4 | 436.8 | 443.6 |
| 65° | 320.5 | 337.1 | 374.2 | 401.6 | 408.4 |
| 67.5° | 280.4 | 300.0 | 337.1 | 365.4 | 376.2 |
| 70° | 241.3 | 261.9 | 300.9 | 330.3 | 341.0 |
| 72.5° | 202.3 | 224.7 | 263.8 | 294.1 | 307.8 |
| 75° | 164.2 | 187.6 | 228.6 | 258.9 | 264.8 |
| 77.5° | 126.0 | 152.4 | 191.5 | 213.0 | 213.0 |
| 80° | 90.9 | 117.3 | 151.5 | 157.3 | 162.2 |
| 82.5° | 60.6 | 85.0 | 103.6 | 109.4 | 110.4 |
| 85° | 33.2 | 51.8 | 56.7 | 56.7 | 52.8 |
| 87.5° | 12.7 | 16.6 | 11.7 | 5.9 | 3.9 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)