

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: P302395

Luminaire Tested: **RX-WO-50L935-UNV-24-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302395  
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-50L935-UNV-24-STD  
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.  
ROUND LENS, STANDARD LUMEN PACKAGE.  
Light Source: (224)3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

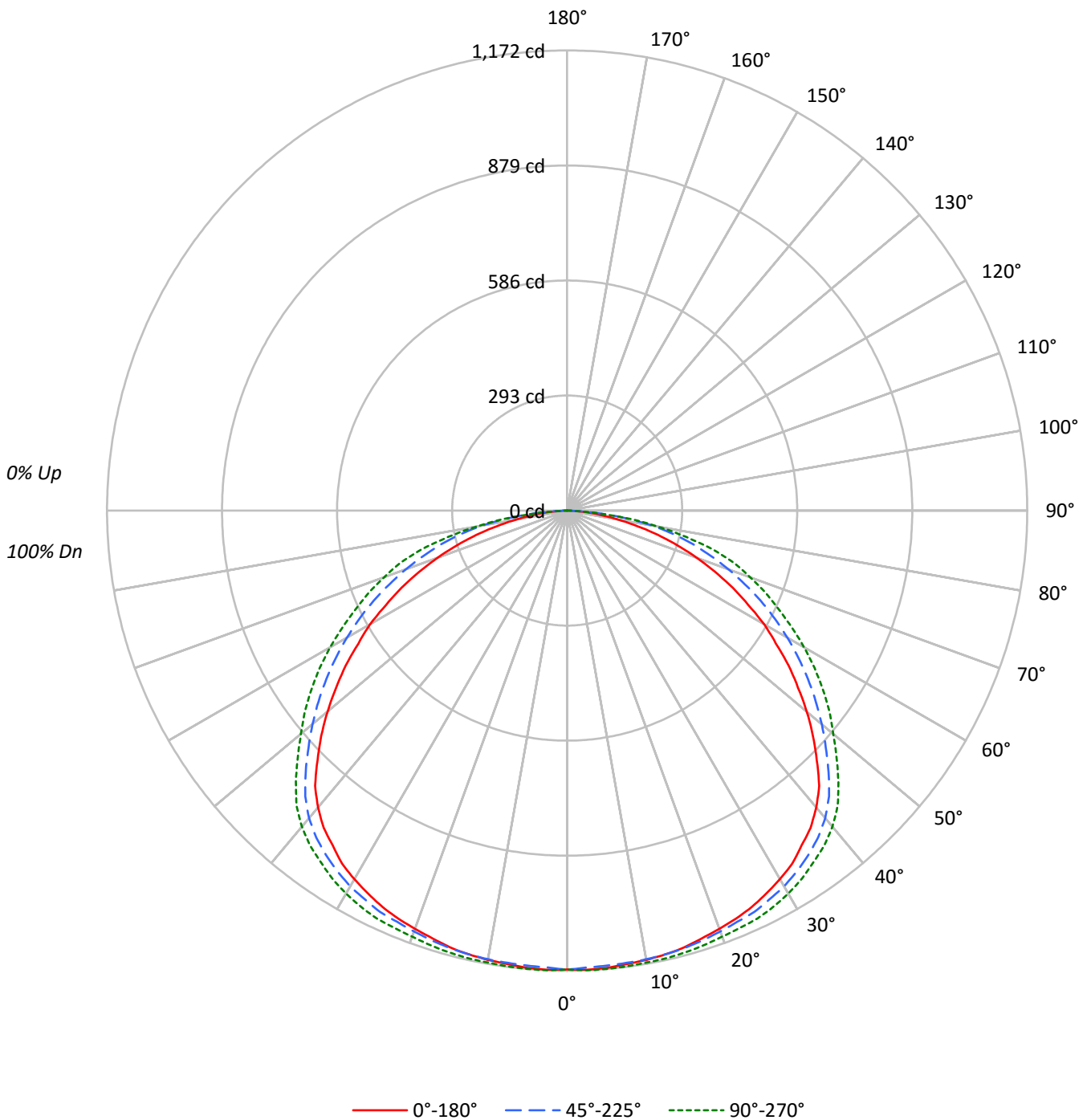
Lumens per Lamp: N/A  
Luminaire Lumens: 3981.0 lumens  
Efficiency: N/A  
Efficacy: 103.1 lumens/watt  
Spacing Criteria (0/90/45): 1.38 / 1.43 / 1.51  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 38.6  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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°	1573	1573	1573
5°	1579	1571	1583
10°	1587	1586	1597
15°	1605	1607	1623
20°	1623	1633	1653
25°	1653	1674	1702
30°	1684	1717	1750
35°	1710	1759	1797
40°	1734	1796	1846
45°	1711	1792	1860
50°	1668	1772	1852
55°	1616	1756	1866
60°	1560	1743	1877
65°	1483	1732	1890
70°	1380	1721	1950
75°	1240	1728	2001
80°	1024	1706	1827
85°	746	1272	1184



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	111.4	2.8
10°-20°	327.3	8.2
20°-30°	521.4	13.1
30°-40°	670.2	16.8
40°-50°	724.8	18.2
50°-60°	666.7	16.7
60°-70°	531.5	13.4
70°-80°	337.7	8.5
80°-90°	90.0	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°	960.1	24.1
0°-40°	1630.3	41.0
0°-60°	3021.8	75.9
0°-90°	3981.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3981.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1169	1169	1169	1169	1169	
5°	1169	1169	1163	1170	1172	111
15°	1152	1153	1153	1163	1165	326
25°	1114	1118	1128	1141	1146	514
35°	1041	1053	1071	1091	1094	652
45°	899	915	942	967	977	693
55°	689	709	749	783	796	615
65°	466	490	544	584	594	460
75°	239	273	332	376	385	252
85°	48	75	82	82	77	60
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1169.0	1169.0	1169.0	1169.0	1169.0
2.5°	1170.5	1170.5	1164.8	1171.9	1171.9
5°	1169.0	1169.0	1163.4	1170.5	1171.9
7.5°	1164.8	1166.2	1161.9	1169.0	1170.5
10°	1161.9	1163.4	1160.5	1167.6	1169.0
12.5°	1157.7	1159.1	1157.7	1166.2	1167.6
15°	1152.0	1153.4	1153.4	1163.4	1164.8
17.5°	1142.1	1144.9	1147.7	1159.1	1160.5
20°	1133.5	1136.4	1140.6	1153.4	1154.8
22.5°	1125.0	1127.9	1133.5	1149.2	1150.6
25°	1113.6	1117.9	1127.9	1140.6	1146.3
27.5°	1099.4	1108.0	1116.5	1132.1	1137.8
30°	1083.8	1092.3	1105.1	1122.2	1126.4
32.5°	1066.8	1075.3	1089.5	1108.0	1112.2
35°	1041.2	1052.6	1071.0	1090.9	1093.8
37.5°	1018.5	1029.8	1049.7	1071.0	1075.3
40°	987.2	1001.4	1022.7	1042.6	1051.1
42.5°	950.3	964.5	987.2	1011.4	1019.9
45°	899.2	914.8	941.8	967.3	977.3
47.5°	849.4	863.6	893.5	923.3	930.4
50°	796.9	813.9	846.6	877.8	885.0
52.5°	741.5	762.8	798.3	831.0	842.3
55°	688.9	708.8	748.6	782.7	795.5
57.5°	630.7	654.8	698.9	735.8	747.2
60°	579.6	600.9	647.7	686.1	697.4
62.5°	519.9	545.5	596.6	634.9	644.9
65°	465.9	490.1	544.0	583.8	593.8
67.5°	407.7	436.1	490.1	531.3	546.9
70°	350.9	380.7	437.5	480.1	495.7
72.5°	294.0	326.7	383.5	427.6	447.4
75°	238.6	272.7	332.4	376.4	384.9
77.5°	183.2	221.6	278.4	309.7	309.7
80°	132.1	170.5	220.2	228.7	235.8
82.5°	88.1	123.6	150.6	159.1	160.5
85°	48.3	75.3	82.4	82.4	76.7
87.5°	18.5	24.1	17.0	8.5	5.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)