

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: P302385

Luminaire Tested: **RX-WO-50L930-UNV-24-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302385  
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-50L930-UNV-24-STD  
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.  
ROUND LENS, STANDARD LUMEN PACKAGE.  
Light Source: (224)3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

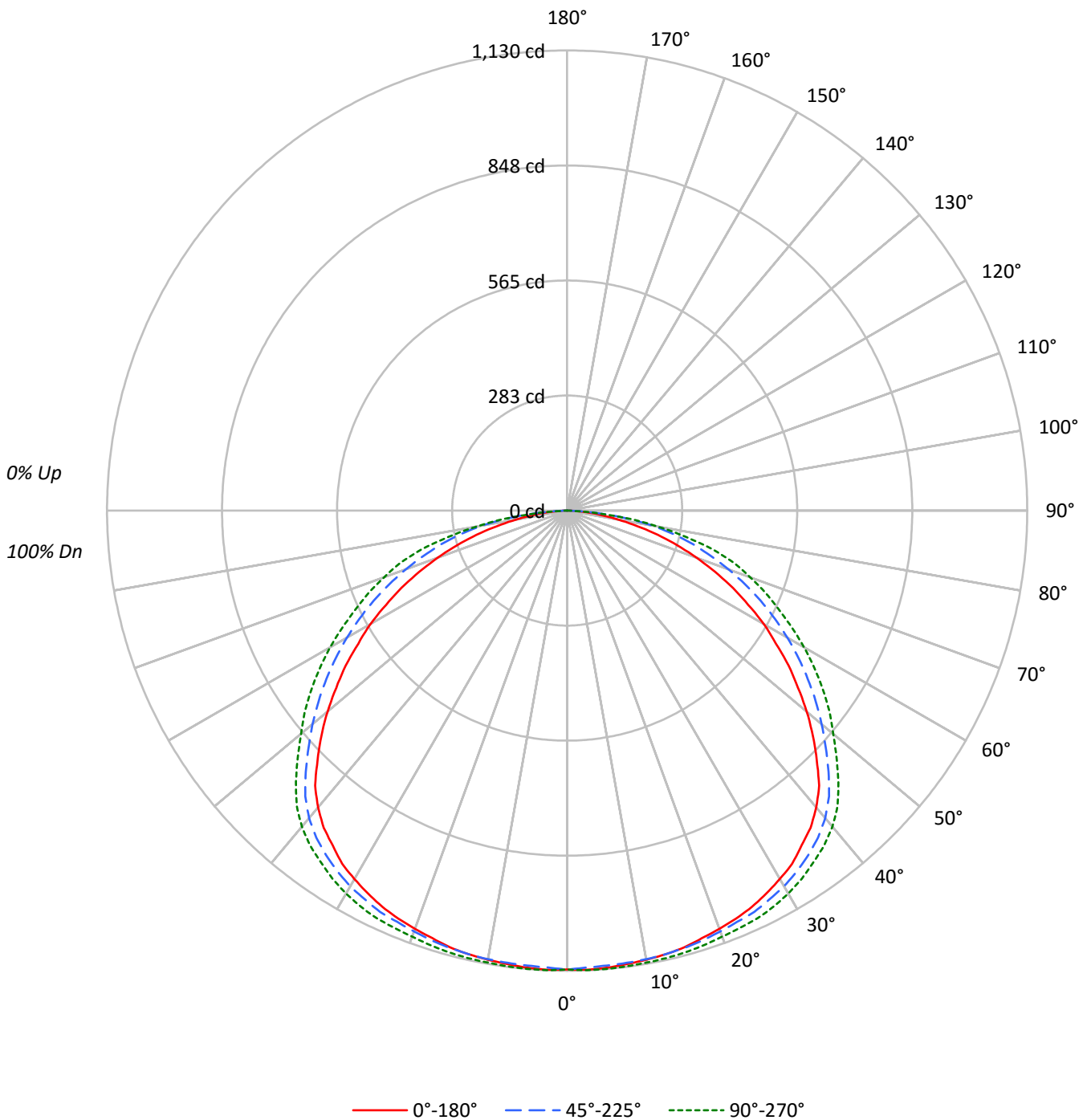
Lumens per Lamp: N/A  
Luminaire Lumens: 3837.8 lumens  
Efficiency: N/A  
Efficacy: 99.4 lumens/watt  
Spacing Criteria (0/90/45): 1.38 / 1.43 / 1.51  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 38.6  
Input Voltage (V): 120  
Input Current (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°	1516	1516	1516
5°	1522	1515	1526
10°	1530	1529	1540
15°	1547	1549	1564
20°	1565	1574	1594
25°	1594	1614	1641
30°	1623	1655	1687
35°	1649	1696	1732
40°	1672	1732	1780
45°	1649	1728	1793
50°	1608	1708	1786
55°	1558	1693	1799
60°	1503	1680	1809
65°	1430	1670	1822
70°	1330	1659	1880
75°	1196	1666	1929
80°	987	1645	1761
85°	719	1226	1141



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	107.4	2.8
10°-20°	315.6	8.2
20°-30°	502.6	13.1
30°-40°	646.1	16.8
40°-50°	698.7	18.2
50°-60°	642.7	16.7
60°-70°	512.4	13.4
70°-80°	325.5	8.5
80°-90°	86.7	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°	925.5	24.1
0°-40°	1571.7	41.0
0°-60°	2913.1	75.9
0°-90°	3837.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3837.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1127	1127	1127	1127	1127	
5°	1127	1127	1122	1128	1130	107
15°	1111	1112	1112	1122	1123	314
25°	1074	1078	1087	1100	1105	495
35°	1004	1015	1032	1052	1054	629
45°	867	882	908	932	942	668
55°	664	683	722	754	767	593
65°	449	472	524	563	572	443
75°	230	263	320	363	371	243
85°	47	73	79	79	74	58
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1127.0	1127.0	1127.0	1127.0	1127.0
2.5°	1128.4	1128.4	1122.9	1129.7	1129.7
5°	1127.0	1127.0	1121.5	1128.4	1129.7
7.5°	1122.9	1124.3	1120.2	1127.0	1128.4
10°	1120.2	1121.5	1118.8	1125.6	1127.0
12.5°	1116.0	1117.4	1116.0	1124.3	1125.6
15°	1110.6	1111.9	1111.9	1121.5	1122.9
17.5°	1101.0	1103.7	1106.5	1117.4	1118.8
20°	1092.8	1095.5	1099.6	1111.9	1113.3
22.5°	1084.6	1087.3	1092.8	1107.8	1109.2
25°	1073.6	1077.7	1087.3	1099.6	1105.1
27.5°	1059.9	1068.1	1076.3	1091.4	1096.9
30°	1044.8	1053.1	1065.4	1081.8	1085.9
32.5°	1028.4	1036.6	1050.3	1068.1	1072.2
35°	1003.8	1014.7	1032.5	1051.7	1054.4
37.5°	981.8	992.8	1012.0	1032.5	1036.6
40°	951.7	965.4	986.0	1005.1	1013.3
42.5°	916.1	929.8	951.7	975.0	983.2
45°	866.8	881.9	907.9	932.5	942.1
47.5°	818.9	832.6	861.3	890.1	896.9
50°	768.2	784.7	816.2	846.3	853.1
52.5°	714.8	735.4	769.6	801.1	812.0
55°	664.2	683.3	721.7	754.5	766.9
57.5°	608.0	631.3	673.7	709.3	720.3
60°	558.7	579.2	624.4	661.4	672.4
62.5°	501.2	525.8	575.1	612.1	621.7
65°	449.2	472.4	524.5	562.8	572.4
67.5°	393.0	420.4	472.4	512.1	527.2
70°	338.2	367.0	421.8	462.9	477.9
72.5°	283.5	315.0	369.7	412.2	431.4
75°	230.1	262.9	320.4	362.9	371.1
77.5°	176.7	213.6	268.4	298.5	298.5
80°	127.4	164.3	212.3	220.5	227.3
82.5°	84.9	119.1	145.2	153.4	154.7
85°	46.6	72.6	79.4	79.4	73.9
87.5°	17.8	23.3	16.4	8.2	5.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)