

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: P302365

Luminaire Tested: **RX-WO-50L835-UNV-24-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302365  
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-50L835-UNV-24-STD  
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.  
ROUND LENS, STANDARD LUMEN PACKAGE.  
Light Source: (224)3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4760.9 lumens  
Efficiency: N/A  
Efficacy: 123.3 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

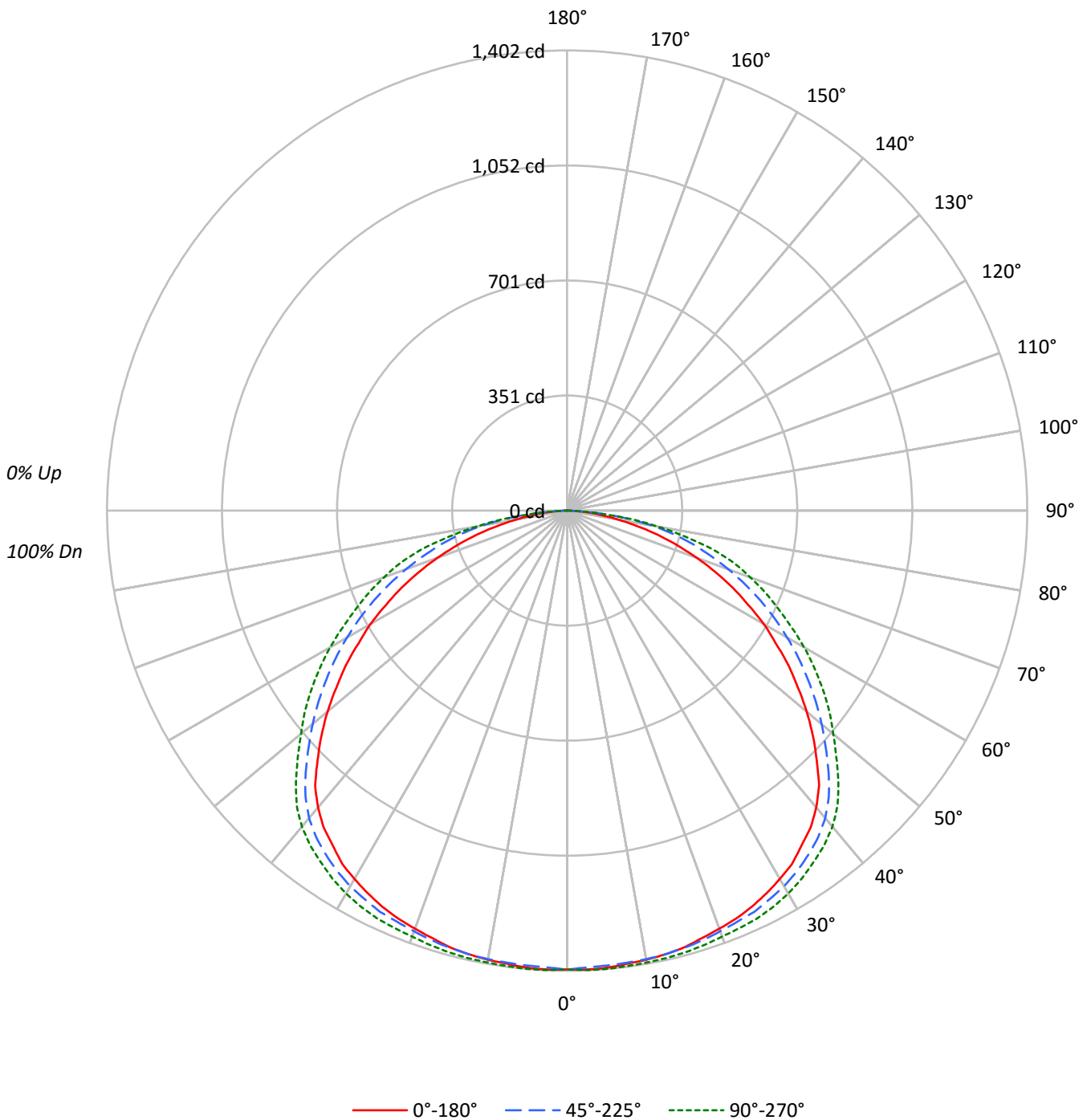
Input Watts (W): 38.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	1881	1881	1881
5°	1888	1879	1893
10°	1899	1896	1910
15°	1919	1921	1940
20°	1941	1953	1978
25°	1977	2002	2035
30°	2014	2053	2093
35°	2045	2104	2148
40°	2074	2148	2208
45°	2046	2143	2224
50°	1995	2119	2215
55°	1933	2100	2232
60°	1865	2084	2245
65°	1774	2071	2261
70°	1651	2058	2332
75°	1484	2066	2393
80°	1224	2040	2185
85°	892	1521	1416



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	133.2	2.8
10°-20°	391.5	8.2
20°-30°	623.5	13.1
30°-40°	801.6	16.8
40°-50°	866.8	18.2
50°-60°	797.3	16.7
60°-70°	635.6	13.4
70°-80°	403.8	8.5
80°-90°	107.6	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°	1148.2	24.1
0°-40°	1949.7	41.0
0°-60°	3613.8	75.9
0°-90°	4760.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4760.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1398	1398	1398	1398	1398	
5°	1398	1398	1391	1400	1402	133
15°	1378	1379	1379	1391	1393	389
25°	1332	1337	1349	1364	1371	615
35°	1245	1259	1281	1305	1308	780
45°	1075	1094	1126	1157	1169	829
55°	824	848	895	936	951	735
65°	557	586	651	698	710	550
75°	285	326	398	450	460	302
85°	58	90	98	98	92	72
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1398.1	1398.1	1398.1	1398.1	1398.1
2.5°	1399.8	1399.8	1393.0	1401.5	1401.5
5°	1398.1	1398.1	1391.3	1399.8	1401.5
7.5°	1393.0	1394.7	1389.6	1398.1	1399.8
10°	1389.6	1391.3	1387.9	1396.4	1398.1
12.5°	1384.5	1386.2	1384.5	1394.7	1396.4
15°	1377.7	1379.4	1379.4	1391.3	1393.0
17.5°	1365.8	1369.2	1372.6	1386.2	1387.9
20°	1355.6	1359.0	1364.1	1379.4	1381.1
22.5°	1345.4	1348.8	1355.6	1374.3	1376.0
25°	1331.8	1336.9	1348.8	1364.1	1370.9
27.5°	1314.8	1325.0	1335.2	1353.9	1360.7
30°	1296.2	1306.3	1321.6	1342.0	1347.1
32.5°	1275.8	1286.0	1302.9	1325.0	1330.1
35°	1245.2	1258.8	1280.9	1304.6	1308.0
37.5°	1218.0	1231.6	1255.4	1280.9	1286.0
40°	1180.6	1197.6	1223.1	1246.9	1257.1
42.5°	1136.5	1153.5	1180.6	1209.5	1219.7
45°	1075.3	1094.0	1126.3	1156.9	1168.7
47.5°	1015.9	1032.8	1068.5	1104.2	1112.7
50°	953.0	973.4	1012.5	1049.8	1058.3
52.5°	886.8	912.2	954.7	993.8	1007.4
55°	823.9	847.7	895.2	936.0	951.3
57.5°	754.2	783.1	835.8	880.0	893.5
60°	693.1	718.6	774.6	820.5	834.1
62.5°	621.7	652.3	713.5	759.3	771.2
65°	557.2	586.1	650.6	698.2	710.1
67.5°	487.5	521.5	586.1	635.3	654.0
70°	419.6	455.3	523.2	574.2	592.9
72.5°	351.6	390.7	458.7	511.3	535.1
75°	285.4	326.2	397.5	450.2	460.4
77.5°	219.1	265.0	333.0	370.3	370.3
80°	158.0	203.9	263.3	273.5	282.0
82.5°	105.3	147.8	180.1	190.3	192.0
85°	57.8	90.0	98.5	98.5	91.7
87.5°	22.1	28.9	20.4	10.2	6.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)