

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: P302389

Luminaire Tested: **RX-WO-70L930-UNV-24-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302389  
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-70L930-UNV-24-STD  
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.  
ROUND LENS, STANDARD LUMEN PACKAGE.  
Light Source: (392)3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

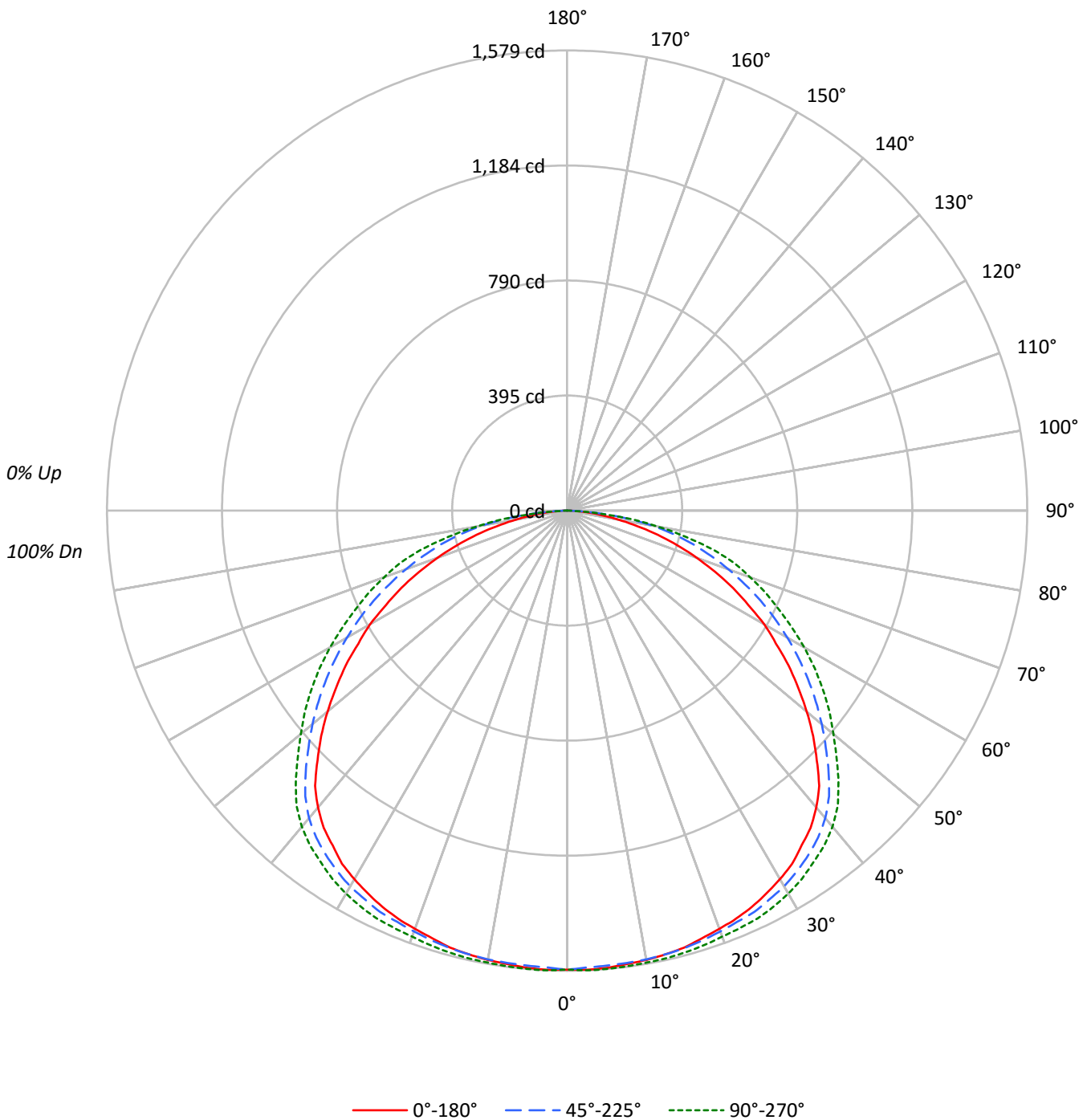
Lumens per Lamp: N/A  
Luminaire Lumens: 5363.8 lumens  
Efficiency: N/A  
Efficacy: 105.2 lumens/watt  
Spacing Criteria (0/90/45): 1.38 / 1.43 / 1.51  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 51  
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		92	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°	2119	2119	2119
5°	2127	2117	2133
10°	2139	2136	2152
15°	2162	2165	2186
20°	2187	2201	2228
25°	2228	2256	2293
30°	2269	2313	2358
35°	2304	2370	2421
40°	2336	2420	2488
45°	2305	2414	2506
50°	2247	2388	2496
55°	2177	2366	2514
60°	2101	2348	2529
65°	1999	2334	2547
70°	1860	2319	2627
75°	1671	2328	2696
80°	1379	2299	2462
85°	1005	1714	1596



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	150.1	2.8
10°-20°	441.0	8.2
20°-30°	702.5	13.1
30°-40°	903.1	16.8
40°-50°	976.5	18.2
50°-60°	898.3	16.7
60°-70°	716.1	13.4
70°-80°	455.0	8.5
80°-90°	121.2	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°	1293.6	24.1
0°-40°	2196.7	41.0
0°-60°	4071.5	75.9
0°-90°	5363.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5363.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1575	1575	1575	1575	1575	
5°	1575	1575	1568	1577	1579	150
15°	1552	1554	1554	1568	1569	439
25°	1500	1506	1520	1537	1544	692
35°	1403	1418	1443	1470	1474	879
45°	1212	1232	1269	1303	1317	934
55°	928	955	1009	1055	1072	828
65°	628	660	733	787	800	620
75°	322	368	448	507	519	340
85°	65	101	111	111	103	81
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1575.1	1575.1	1575.1	1575.1	1575.1
2.5°	1577.0	1577.0	1569.4	1579.0	1579.0
5°	1575.1	1575.1	1567.5	1577.0	1579.0
7.5°	1569.4	1571.3	1565.6	1575.1	1577.0
10°	1565.6	1567.5	1563.6	1573.2	1575.1
12.5°	1559.8	1561.7	1559.8	1571.3	1573.2
15°	1552.2	1554.1	1554.1	1567.5	1569.4
17.5°	1538.8	1542.6	1546.4	1561.7	1563.6
20°	1527.3	1531.1	1536.9	1554.1	1556.0
22.5°	1515.8	1519.6	1527.3	1548.3	1550.3
25°	1500.5	1506.2	1519.6	1536.9	1544.5
27.5°	1481.4	1492.8	1504.3	1525.4	1533.0
30°	1460.3	1471.8	1489.0	1512.0	1517.7
32.5°	1437.3	1448.8	1468.0	1492.8	1498.6
35°	1402.9	1418.2	1443.1	1469.9	1473.7
37.5°	1372.3	1387.6	1414.4	1443.1	1448.8
40°	1330.2	1349.3	1378.0	1404.8	1416.3
42.5°	1280.4	1299.5	1330.2	1362.7	1374.2
45°	1211.5	1232.5	1268.9	1303.4	1316.8
47.5°	1144.5	1163.6	1203.8	1244.0	1253.6
50°	1073.7	1096.7	1140.7	1182.8	1192.4
52.5°	999.1	1027.8	1075.6	1119.6	1134.9
55°	928.2	955.0	1008.6	1054.6	1071.8
57.5°	849.8	882.3	941.6	991.4	1006.7
60°	780.9	809.6	872.7	924.4	939.7
62.5°	700.5	734.9	803.8	855.5	868.9
65°	627.8	660.3	733.0	786.6	800.0
67.5°	549.3	587.6	660.3	715.8	736.8
70°	472.7	512.9	589.5	646.9	667.9
72.5°	396.2	440.2	516.8	576.1	602.9
75°	321.5	367.5	447.9	507.2	518.7
77.5°	246.9	298.6	375.1	417.2	417.2
80°	178.0	229.7	296.7	308.1	317.7
82.5°	118.7	166.5	202.9	214.4	216.3
85°	65.1	101.4	111.0	111.0	103.4
87.5°	24.9	32.5	23.0	11.5	7.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)