

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: P302188

Luminaire Tested: **RX-WO-29L935-UNV-22-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302188  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-39)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: RX-WO-29L935-UNV-22-STD  
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.  
ROUND LENS, STANDARD LUMEN PACKAGE.  
Light Source: (196)3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

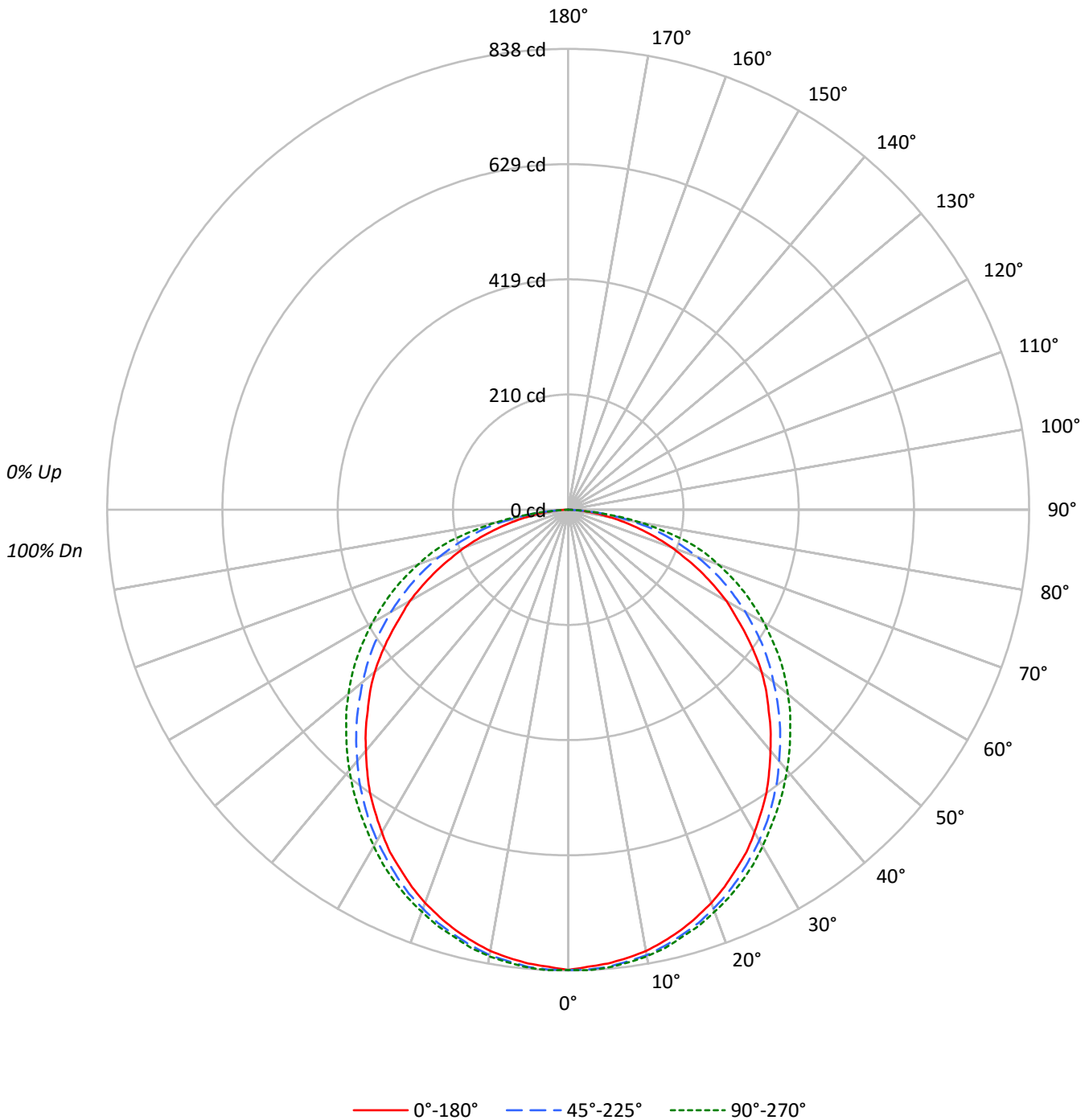
Lumens per Lamp: N/A  
Luminaire Lumens: 2396.0 lumens  
Efficiency: N/A  
Efficacy: 107.9 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.25 / 1.36  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 22.2  
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	104	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83
2	98	90	83	77	96	88	82	76	84	79	74	81	77	73	78	74	71	69
3	90	79	70	64	87	77	69	63	74	68	62	71	66	61	69	64	60	58
4	82	70	61	54	80	68	60	53	66	58	53	63	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42
6	69	56	47	40	68	55	46	40	53	45	40	51	45	39	50	44	39	37
7	64	51	42	36	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	38	32	58	46	37	32	44	37	31	43	36	31	42	36	31	29
9	56	42	34	29	55	42	34	28	41	33	28	40	33	28	39	32	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	2252	2252	2252
5°	2237	2254	2257
10°	2226	2247	2253
15°	2205	2229	2239
20°	2179	2210	2228
25°	2143	2186	2215
30°	2105	2158	2196
35°	2064	2128	2181
40°	2009	2095	2173
45°	1961	2069	2171
50°	1922	2040	2183
55°	1848	2027	2199
60°	1790	2001	2213
65°	1688	1985	2243
70°	1574	1950	2279
75°	1391	1914	2322
80°	1161	1788	2073
85°	871	1213	1099



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	79.1	3.3
10°-20°	225.5	9.4
20°-30°	338.8	14.1
30°-40°	404.8	16.9
40°-50°	419.7	17.5
50°-60°	385.5	16.1
60°-70°	306.1	12.8
70°-80°	190.1	7.9
80°-90°	46.5	1.9
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°	643.4	26.9
0°-40°	1048.2	43.7
0°-60°	1853.4	77.4
0°-90°	2396.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2396.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	837	837	837	837	837	
5°	828	831	834	836	836	79
15°	792	794	800	804	804	223
25°	722	726	736	745	746	333
35°	628	634	648	660	664	392
45°	515	523	544	564	571	398
55°	394	404	432	459	469	353
65°	265	277	312	341	352	262
75°	134	151	184	212	223	143
85°	28	34	39	38	36	35
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	836.9	836.9	836.9	836.9	836.9
2.5°	832.0	833.2	836.9	839.4	838.1
5°	828.3	830.8	834.5	835.7	835.7
7.5°	822.2	824.6	828.3	830.8	830.8
10°	814.8	817.3	822.2	824.6	824.6
12.5°	803.8	806.2	812.4	814.8	816.1
15°	791.5	794.0	800.1	803.8	803.8
17.5°	776.8	780.5	787.8	791.5	792.7
20°	760.8	764.5	771.9	776.8	778.0
22.5°	742.4	746.1	755.9	762.1	763.3
25°	721.6	726.5	736.3	744.9	746.1
27.5°	701.9	705.6	715.4	724.0	727.7
30°	677.4	683.5	694.6	704.4	706.8
32.5°	652.8	660.2	672.5	683.5	684.7
35°	628.3	634.4	647.9	660.2	663.9
37.5°	600.1	606.2	623.4	636.9	641.8
40°	571.9	580.4	596.4	612.3	618.5
42.5°	544.9	553.4	570.6	589.0	595.2
45°	515.4	522.8	543.6	564.5	570.6
47.5°	488.4	494.5	515.4	539.9	547.3
50°	459.0	463.9	487.2	514.2	521.5
52.5°	427.0	434.4	460.2	487.2	495.8
55°	393.9	403.7	432.0	459.0	468.8
57.5°	360.8	371.8	401.3	430.7	439.3
60°	332.6	339.9	371.8	401.3	411.1
62.5°	298.2	309.2	341.1	371.8	381.6
65°	265.1	277.3	311.7	341.1	352.2
67.5°	230.7	245.4	281.0	309.2	321.5
70°	200.0	214.8	247.9	277.3	289.6
72.5°	166.9	182.8	216.0	246.7	260.2
75°	133.8	150.9	184.1	212.3	223.3
77.5°	104.3	121.5	152.2	171.8	176.7
80°	74.9	89.6	115.4	128.9	133.8
82.5°	50.3	61.4	78.5	83.4	85.9
85°	28.2	34.4	39.3	38.0	35.6
87.5°	12.3	9.8	8.6	3.7	2.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)