

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: P302194

Luminaire Tested: **RX-WO-29L940-UNV-22-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302194  
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-29L940-UNV-22-STD  
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.  
ROUND LENS, STANDARD LUMEN PACKAGE.  
Light Source: (196)4000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

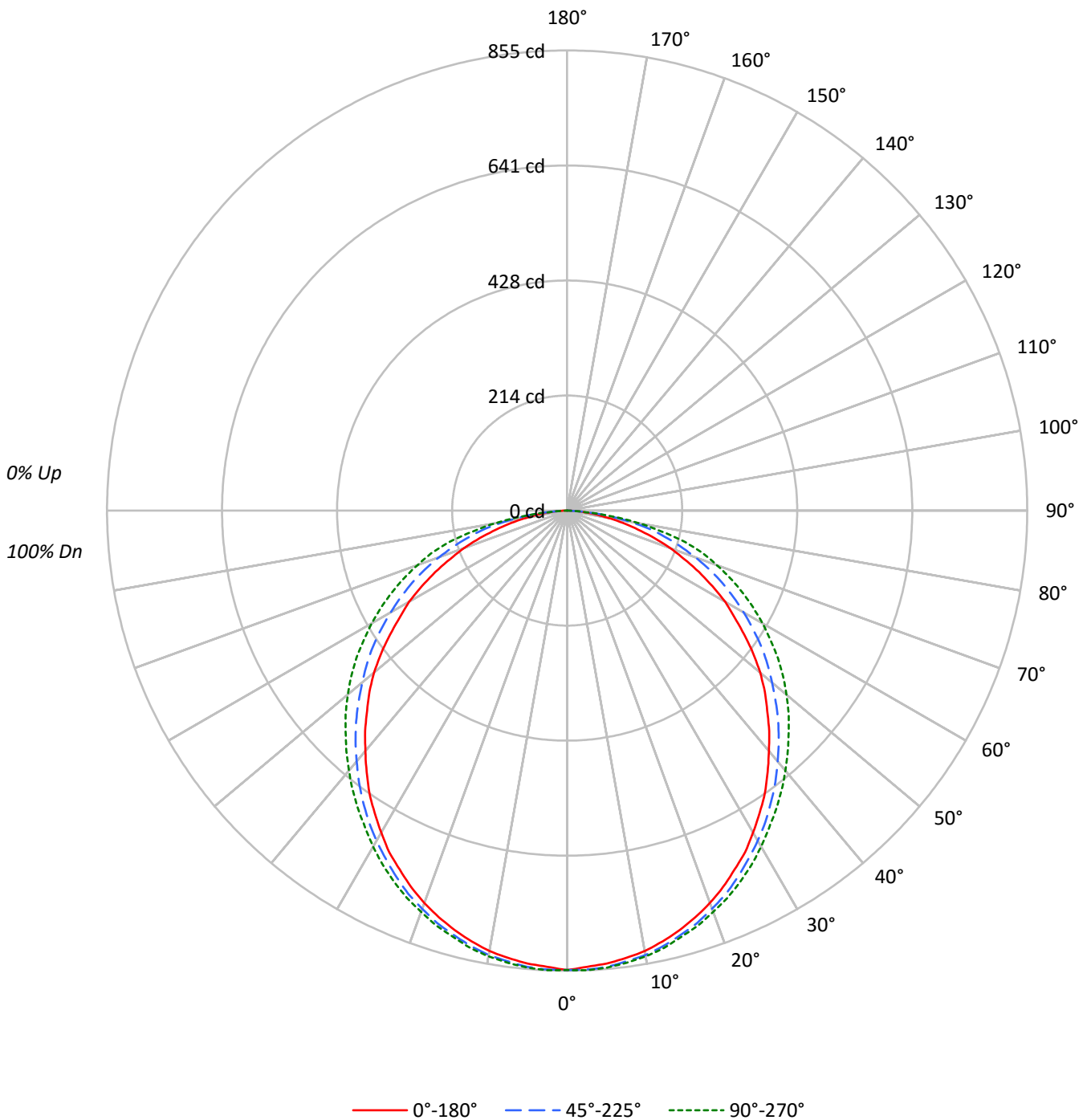
Lumens per Lamp: N/A  
Luminaire Lumens: 2443.6 lumens  
Efficiency: N/A  
Efficacy: 110.1 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.25 / 1.36  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 22.2  
Input Voltage (V): 120  
Input Current (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	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°	2297	2297	2297
5°	2282	2299	2302
10°	2271	2291	2298
15°	2249	2273	2284
20°	2222	2254	2272
25°	2185	2230	2259
30°	2147	2201	2240
35°	2105	2171	2224
40°	2049	2137	2216
45°	2000	2110	2215
50°	1960	2080	2227
55°	1885	2067	2243
60°	1826	2041	2257
65°	1721	2024	2287
70°	1605	1989	2324
75°	1418	1952	2368
80°	1182	1822	2114
85°	889	1235	1121



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	80.7	3.3
10°-20°	229.9	9.4
20°-30°	345.5	14.1
30°-40°	412.8	16.9
40°-50°	428.1	17.5
50°-60°	393.2	16.1
60°-70°	312.2	12.8
70°-80°	193.8	7.9
80°-90°	47.4	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°	656.2	26.9
0°-40°	1069.0	43.7
0°-60°	1890.2	77.4
0°-90°	2443.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2443.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	854	854	854	854	854	
5°	845	847	851	852	852	80
15°	807	810	816	820	820	228
25°	736	741	751	760	761	339
35°	641	647	661	673	677	400
45°	526	533	554	576	582	406
55°	402	412	440	468	478	360
65°	270	283	318	348	359	267
75°	136	154	188	216	228	146
85°	29	35	40	39	36	36
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	853.6	853.6	853.6	853.6	853.6
2.5°	848.5	849.8	853.6	856.1	854.8
5°	844.8	847.3	851.1	852.3	852.3
7.5°	838.5	841.0	844.8	847.3	847.3
10°	831.0	833.5	838.5	841.0	841.0
12.5°	819.8	822.3	828.5	831.0	832.3
15°	807.2	809.8	816.0	819.8	819.8
17.5°	792.2	796.0	803.5	807.2	808.5
20°	776.0	779.7	787.2	792.2	793.5
22.5°	757.2	760.9	771.0	777.2	778.5
25°	735.9	740.9	750.9	759.7	760.9
27.5°	715.9	719.6	729.7	738.4	742.2
30°	690.9	697.1	708.4	718.4	720.9
32.5°	665.8	673.3	685.8	697.1	698.4
35°	640.8	647.0	660.8	673.3	677.1
37.5°	612.0	618.3	635.8	649.6	654.6
40°	583.2	592.0	608.3	624.5	630.8
42.5°	555.7	564.4	582.0	600.7	607.0
45°	525.6	533.2	554.4	575.7	582.0
47.5°	498.1	504.4	525.6	550.7	558.2
50°	468.1	473.1	496.9	524.4	531.9
52.5°	435.5	443.0	469.3	496.9	505.6
55°	401.7	411.8	440.5	468.1	478.1
57.5°	368.0	379.2	409.3	439.3	448.1
60°	339.2	346.7	379.2	409.3	419.3
62.5°	304.1	315.4	347.9	379.2	389.2
65°	270.3	282.8	317.9	347.9	359.2
67.5°	235.3	250.3	286.6	315.4	327.9
70°	204.0	219.0	252.8	282.8	295.4
72.5°	170.2	186.5	220.3	251.6	265.3
75°	136.4	153.9	187.7	216.5	227.8
77.5°	106.4	123.9	155.2	175.2	180.2
80°	76.3	91.4	117.6	131.4	136.4
82.5°	51.3	62.6	80.1	85.1	87.6
85°	28.8	35.0	40.0	38.8	36.3
87.5°	12.5	10.0	8.8	3.8	2.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)