

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: P302195

Luminaire Tested: **RX-WO-34L940-UNV-22-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302195  
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-34L940-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**

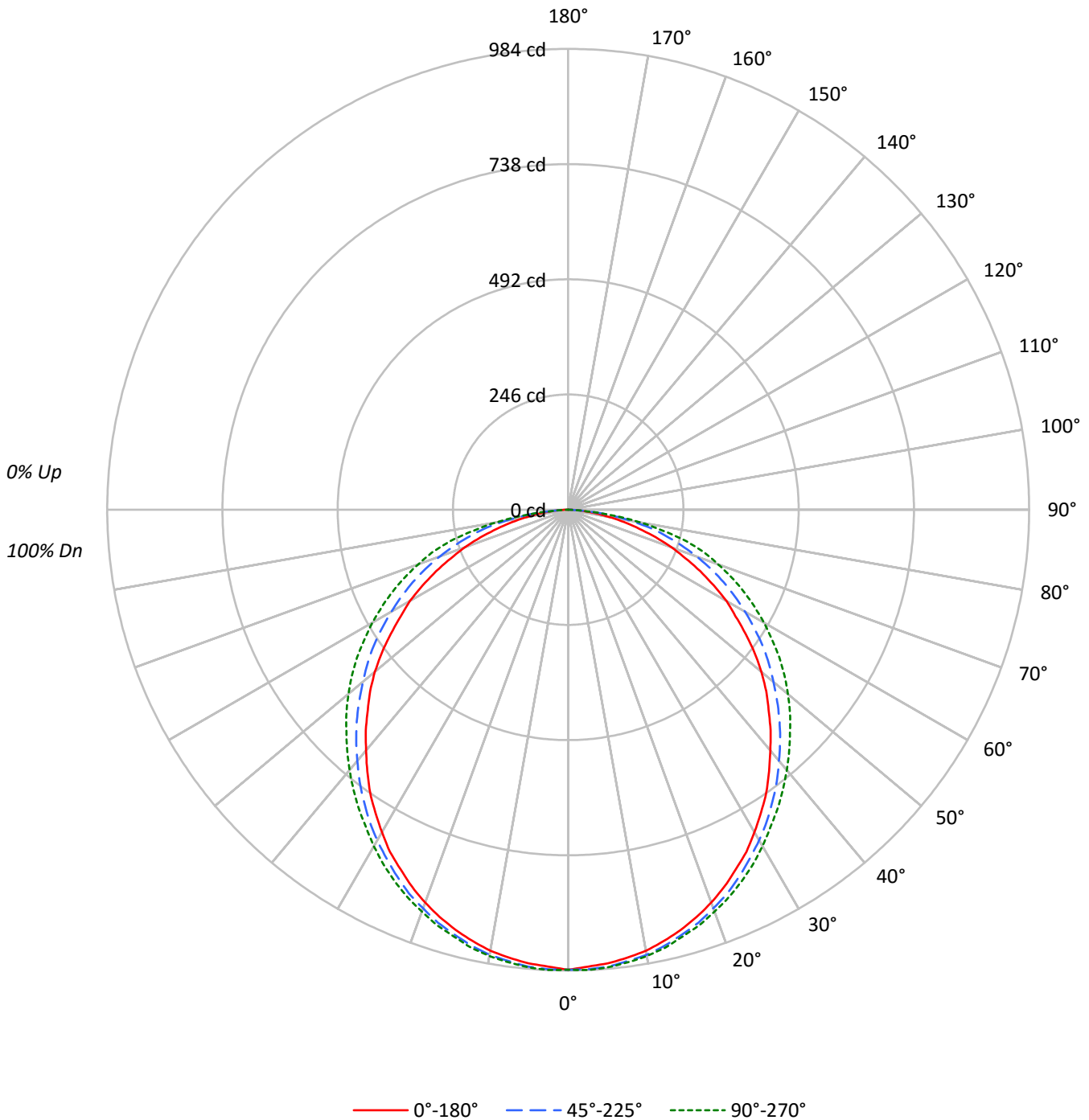
Lumens per Lamp: N/A  
Luminaire Lumens: 2812.0 lumens  
Efficiency: N/A  
Efficacy: 109.0 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.25 / 1.36  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 25.8  
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°	2643	2643	2643
5°	2626	2646	2649
10°	2613	2637	2645
15°	2588	2616	2628
20°	2557	2594	2615
25°	2515	2566	2600
30°	2470	2533	2578
35°	2422	2498	2560
40°	2357	2459	2550
45°	2302	2428	2549
50°	2255	2394	2563
55°	2169	2379	2581
60°	2101	2349	2597
65°	1981	2329	2632
70°	1847	2289	2674
75°	1632	2246	2725
80°	1362	2098	2433
85°	1022	1423	1291



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	92.9	3.3
10°-20°	264.6	9.4
20°-30°	397.6	14.1
30°-40°	475.1	16.9
40°-50°	492.6	17.5
50°-60°	452.4	16.1
60°-70°	359.3	12.8
70°-80°	223.0	7.9
80°-90°	54.5	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°	755.1	26.9
0°-40°	1230.2	43.7
0°-60°	2175.2	77.4
0°-90°	2812.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2812.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	982	982	982	982	982	
5°	972	975	979	981	981	92
15°	929	932	939	943	943	262
25°	847	853	864	874	876	390
35°	737	745	760	775	779	460
45°	605	614	638	662	670	468
55°	462	474	507	539	550	414
65°	311	326	366	400	413	308
75°	157	177	216	249	262	168
85°	33	40	46	45	42	41
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	982.2	982.2	982.2	982.2	982.2
2.5°	976.5	977.9	982.2	985.1	983.7
5°	972.2	975.0	979.4	980.8	980.8
7.5°	965.0	967.8	972.2	975.0	975.0
10°	956.3	959.2	965.0	967.8	967.8
12.5°	943.4	946.2	953.4	956.3	957.8
15°	928.9	931.8	939.0	943.4	943.4
17.5°	911.7	916.0	924.6	928.9	930.4
20°	892.9	897.3	905.9	911.7	913.1
22.5°	871.3	875.7	887.2	894.4	895.8
25°	846.9	852.6	864.1	874.2	875.7
27.5°	823.8	828.1	839.7	849.7	854.1
30°	795.0	802.2	815.2	826.7	829.6
32.5°	766.2	774.8	789.2	802.2	803.6
35°	737.4	744.6	760.4	774.8	779.2
37.5°	704.3	711.5	731.6	747.5	753.2
40°	671.1	681.2	700.0	718.7	725.9
42.5°	639.5	649.5	669.7	691.3	698.5
45°	604.9	613.5	638.0	662.5	669.7
47.5°	573.2	580.4	604.9	633.7	642.3
50°	538.6	544.4	571.8	603.5	612.1
52.5°	501.2	509.8	540.1	571.8	581.9
55°	462.3	473.8	507.0	538.6	550.2
57.5°	423.4	436.4	471.0	505.5	515.6
60°	390.3	398.9	436.4	471.0	482.5
62.5°	350.0	362.9	400.4	436.4	447.9
65°	311.1	325.5	365.8	400.4	413.3
67.5°	270.8	288.0	329.8	362.9	377.3
70°	234.8	252.0	290.9	325.5	339.9
72.5°	195.9	214.6	253.5	289.5	305.3
75°	157.0	177.1	216.0	249.2	262.1
77.5°	122.4	142.6	178.6	201.6	207.4
80°	87.9	105.1	135.4	151.2	157.0
82.5°	59.0	72.0	92.2	97.9	100.8
85°	33.1	40.3	46.1	44.6	41.8
87.5°	14.4	11.5	10.1	4.3	2.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)