

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: P302196

Luminaire Tested: **RX-WO-39L940-UNV-22-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302196  
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-39L940-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**

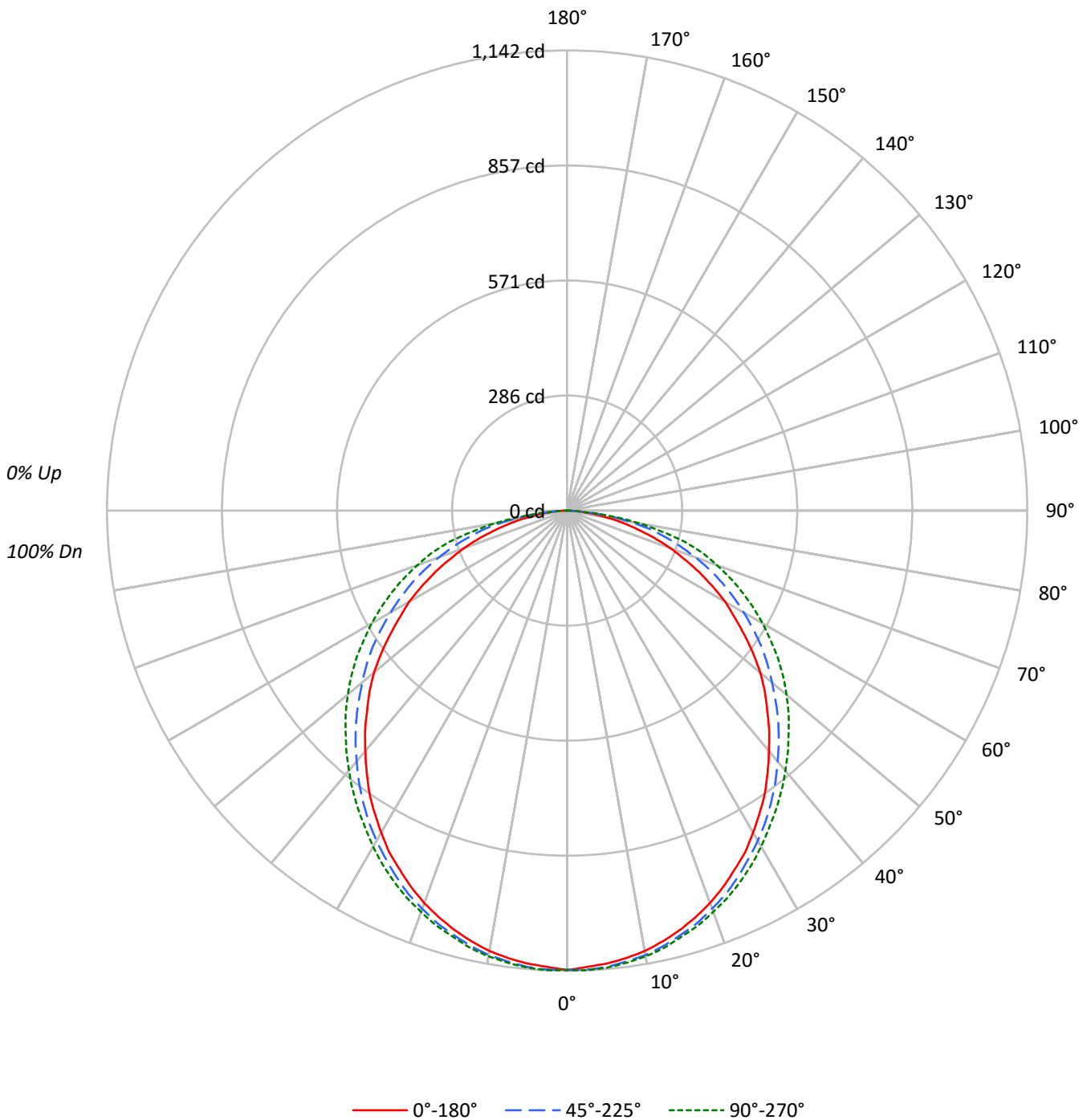
Lumens per Lamp: N/A  
Luminaire Lumens: 3264.1 lumens  
Efficiency: N/A  
Efficacy: 107.7 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.25 / 1.36  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 30.3  
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°	3068	3068	3068
5°	3048	3071	3075
10°	3033	3061	3070
15°	3004	3037	3051
20°	2968	3011	3035
25°	2919	2978	3018
30°	2867	2940	2992
35°	2812	2900	2971
40°	2736	2854	2960
45°	2672	2818	2958
50°	2617	2779	2974
55°	2518	2761	2996
60°	2438	2726	3014
65°	2299	2704	3055
70°	2144	2657	3104
75°	1894	2608	3164
80°	1581	2435	2824
85°	1186	1652	1497



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	107.8	3.3
10°-20°	307.1	9.4
20°-30°	461.5	14.1
30°-40°	551.5	16.9
40°-50°	571.8	17.5
50°-60°	525.2	16.1
60°-70°	417.1	12.8
70°-80°	258.9	7.9
80°-90°	63.3	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°	876.4	26.9
0°-40°	1427.9	43.7
0°-60°	2524.8	77.4
0°-90°	3264.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3264.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1140	1140	1140	1140	1140	
5°	1128	1132	1137	1138	1138	107
15°	1078	1082	1090	1095	1095	304
25°	983	990	1003	1015	1016	453
35°	856	864	883	899	904	534
45°	702	712	741	769	777	543
55°	537	550	588	625	639	480
65°	361	378	425	465	480	357
75°	182	206	251	289	304	195
85°	38	47	54	52	48	47
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1140.1	1140.1	1140.1	1140.1	1140.1
2.5°	1133.4	1135.1	1140.1	1143.5	1141.8
5°	1128.4	1131.8	1136.8	1138.5	1138.5
7.5°	1120.1	1123.4	1128.4	1131.8	1131.8
10°	1110.0	1113.4	1120.1	1123.4	1123.4
12.5°	1095.0	1098.3	1106.7	1110.0	1111.7
15°	1078.3	1081.6	1090.0	1095.0	1095.0
17.5°	1058.2	1063.2	1073.3	1078.3	1079.9
20°	1036.5	1041.5	1051.5	1058.2	1059.9
22.5°	1011.4	1016.4	1029.8	1038.1	1039.8
25°	983.0	989.7	1003.0	1014.7	1016.4
27.5°	956.2	961.2	974.6	986.3	991.3
30°	922.8	931.2	946.2	959.6	962.9
32.5°	889.4	899.4	916.1	931.2	932.8
35°	855.9	864.3	882.7	899.4	904.4
37.5°	817.5	825.8	849.2	867.6	874.3
40°	779.0	790.7	812.5	834.2	842.6
42.5°	742.3	754.0	777.4	802.4	810.8
45°	702.1	712.2	740.6	769.0	777.4
47.5°	665.4	673.7	702.1	735.6	745.6
50°	625.2	631.9	663.7	700.5	710.5
52.5°	581.8	591.8	626.9	663.7	675.4
55°	536.6	550.0	588.5	625.2	638.6
57.5°	491.5	506.5	546.7	586.8	598.5
60°	453.0	463.1	506.5	546.7	560.0
62.5°	406.2	421.3	464.7	506.5	519.9
65°	361.1	377.8	424.6	464.7	479.8
67.5°	314.3	334.3	382.8	421.3	438.0
70°	272.5	292.6	337.7	377.8	394.5
72.5°	227.4	249.1	294.2	336.0	354.4
75°	182.2	205.6	250.8	289.2	304.3
77.5°	142.1	165.5	207.3	234.0	240.7
80°	102.0	122.0	157.1	175.5	182.2
82.5°	68.5	83.6	107.0	113.7	117.0
85°	38.4	46.8	53.5	51.8	48.5
87.5°	16.7	13.4	11.7	5.0	3.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)