

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: P302219

Luminaire Tested: **ZX-WO-39L930-UNV-22-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302219  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-40)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: ZX-WO-39L930-UNV-22-STD  
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.  
FLAT LENS, STANDARD LUMEN PACKAGE.  
Light Source: (196)3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3127.2 lumens  
Efficiency: N/A  
Efficacy: 103.2 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.22 / 1.34  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

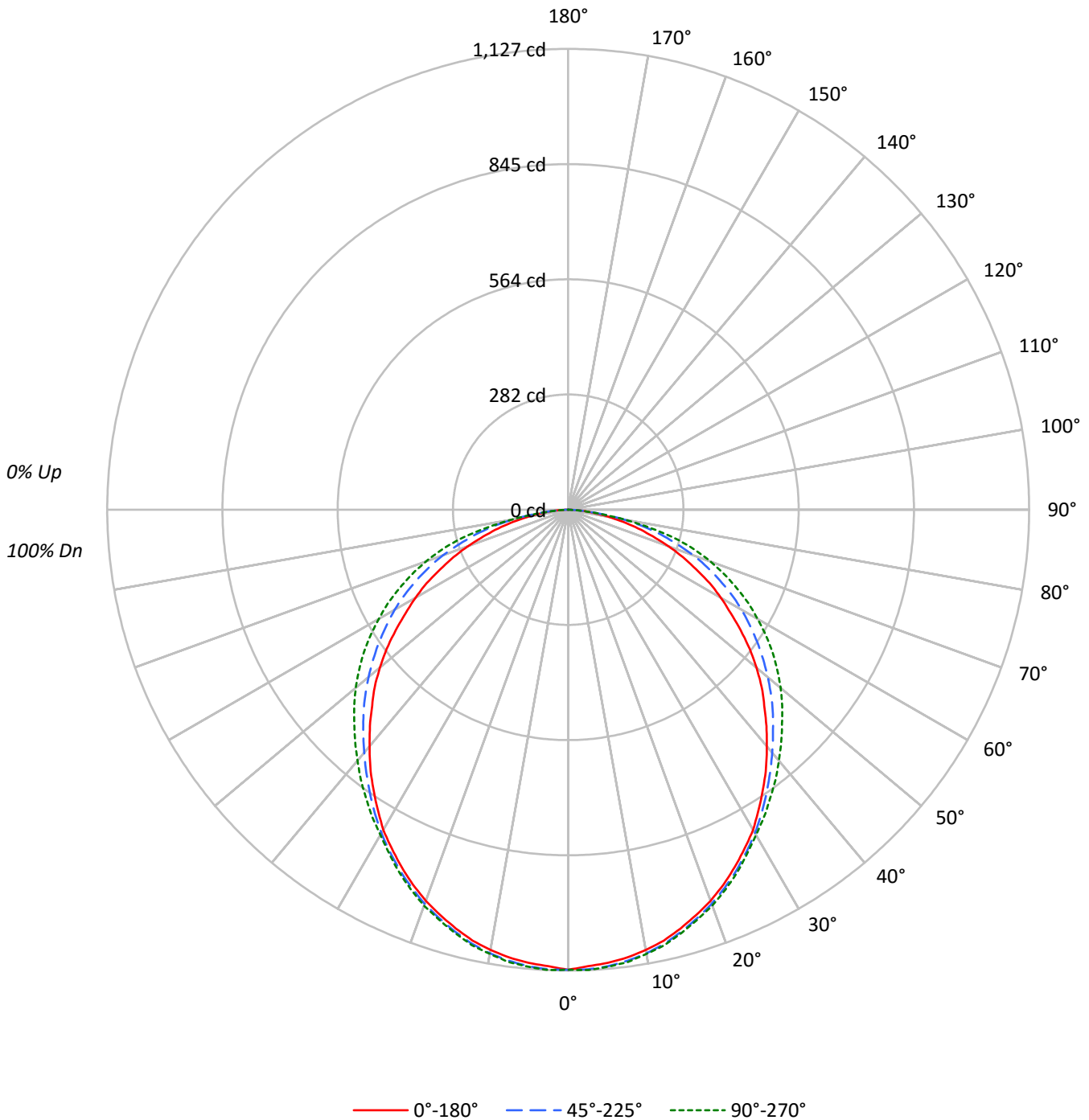
Input Watts (W): 30.3  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	109	104	99	96	106	102	98	94	97	94	91	93	91	88	90	88	86	83
2	99	90	83	77	96	88	82	77	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	62	56	52	49
5	76	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	29	40	33	28	39	33	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24

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

	0°	45°	90°
0°	3028	3028	3028
5°	3005	3026	3031
10°	2988	3010	3014
15°	2954	2976	2985
20°	2914	2937	2950
25°	2862	2890	2904
30°	2809	2838	2853
35°	2731	2777	2829
40°	2653	2726	2814
45°	2580	2694	2814
50°	2514	2666	2838
55°	2417	2647	2862
60°	2322	2637	2875
65°	2194	2606	2898
70°	2051	2561	2910
75°	1840	2432	2809
80°	1543	2131	2156
85°	1220	1220	976



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	106.2	3.4
10°-20°	300.9	9.6
20°-30°	447.8	14.3
30°-40°	529.7	16.9
40°-50°	547.3	17.5
50°-60°	503.2	16.1
60°-70°	400.2	12.8
70°-80°	239.7	7.7
80°-90°	52.3	1.7
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°	854.9	27.3
0°-40°	1384.5	44.3
0°-60°	2435.1	77.9
0°-90°	3127.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3127.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1125	1125	1125	1125	1125	
5°	1112	1116	1120	1122	1122	106
15°	1060	1064	1068	1071	1071	299
25°	964	967	973	978	978	444
35°	831	836	845	856	861	520
45°	678	684	708	733	740	524
55°	515	526	564	599	610	461
65°	344	365	409	446	455	342
75°	177	201	234	261	270	187
85°	40	43	40	36	32	46
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1125.1	1125.1	1125.1	1125.1	1125.1
2.5°	1117.2	1120.4	1125.1	1126.7	1126.7
5°	1112.5	1115.6	1120.4	1121.9	1121.9
7.5°	1104.6	1107.7	1112.5	1114.0	1115.6
10°	1093.5	1096.7	1101.4	1103.0	1103.0
12.5°	1079.3	1080.9	1087.2	1088.8	1090.3
15°	1060.3	1063.5	1068.2	1071.4	1071.4
17.5°	1039.8	1042.9	1047.7	1050.8	1050.8
20°	1017.6	1020.8	1025.6	1028.7	1030.3
22.5°	992.4	995.5	1000.3	1005.0	1005.0
25°	963.9	967.1	973.4	978.1	978.1
27.5°	933.9	937.1	943.4	948.1	948.1
30°	903.9	905.5	913.4	916.5	918.1
32.5°	867.5	872.3	880.2	886.5	891.2
35°	831.2	835.9	845.4	856.5	861.2
37.5°	794.8	799.6	810.6	826.4	832.8
40°	755.3	761.7	775.9	796.4	801.2
42.5°	717.4	725.3	741.1	764.8	771.1
45°	677.9	684.2	707.9	733.2	739.5
47.5°	641.6	646.3	673.2	701.6	709.5
50°	600.5	606.8	636.8	668.4	677.9
52.5°	559.4	567.3	600.5	633.7	644.7
55°	515.1	526.2	564.1	598.9	610.0
57.5°	470.9	486.7	526.2	561.0	573.6
60°	431.4	445.6	489.9	523.0	534.1
62.5°	390.3	406.1	450.4	483.5	497.8
65°	344.5	365.0	409.3	445.6	455.1
67.5°	303.4	323.9	368.2	401.4	414.0
70°	260.7	284.4	325.5	355.5	369.8
72.5°	216.5	241.8	278.1	309.7	323.9
75°	177.0	200.7	233.9	260.7	270.2
77.5°	137.5	159.6	186.5	202.3	205.4
80°	99.6	116.9	137.5	140.6	139.1
82.5°	66.4	79.0	85.3	82.2	82.2
85°	39.5	42.7	39.5	36.3	31.6
87.5°	14.2	12.6	9.5	6.3	3.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)