

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: P302149

Luminaire Tested: **ZX-WO-39H930-UNV-22-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302149  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: ZX-WO-39H930-UNV-22-STD  
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.  
FLAT LENS, HIGH PERFORMANCE LUMEN PACKAGE.  
Light Source: (294)3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

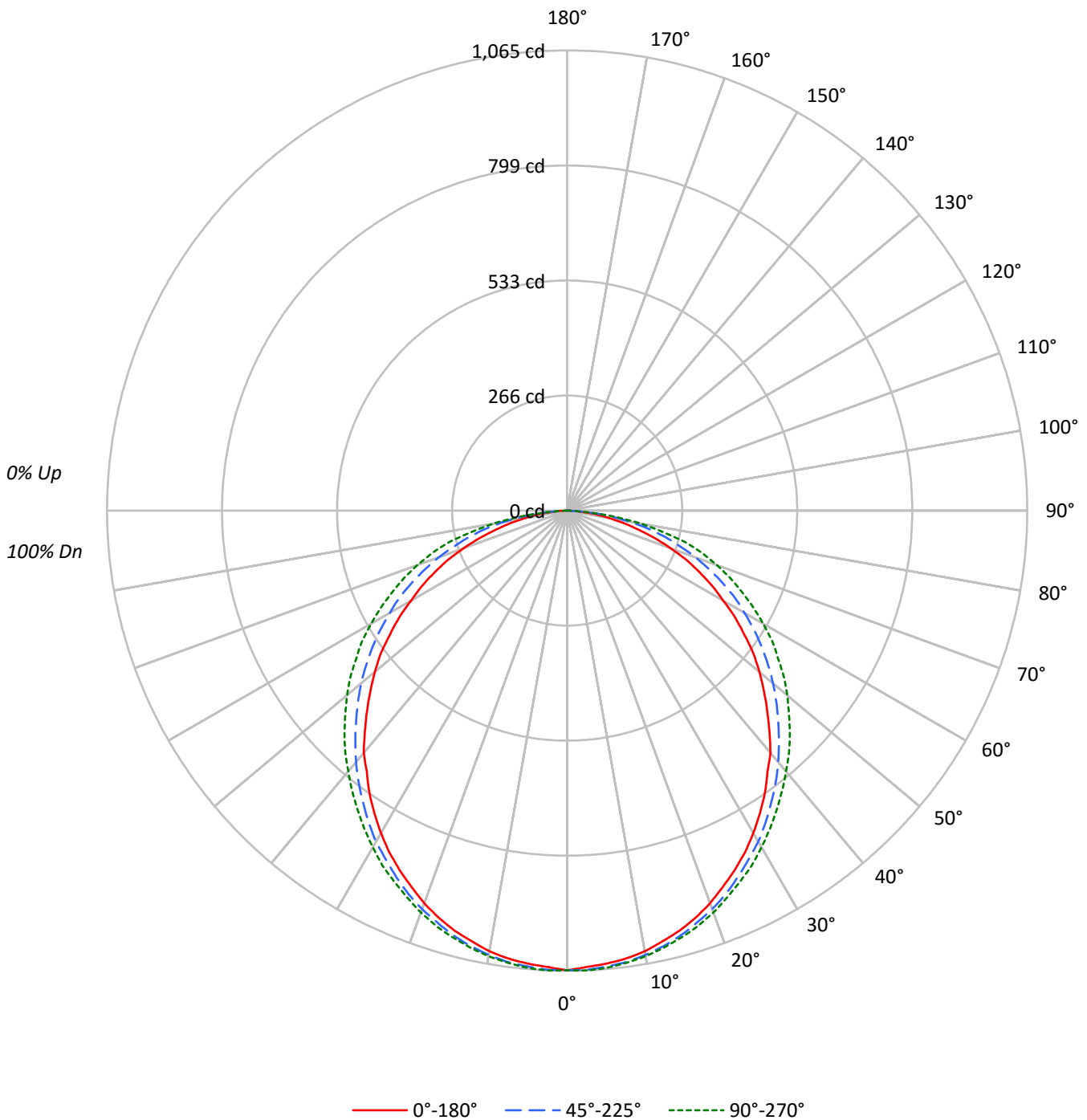
Lumens per Lamp: N/A  
Luminaire Lumens: 3049.2 lumens  
Efficiency: N/A  
Efficacy: 105.5 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.36  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 28.9  
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	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	108	104	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83				83
2	98	90	83	77	96	88	82	76	84	79	74	81	77	73	78	74	71	69				69
3	90	79	70	64	87	77	69	63	74	68	62	71	66	61	69	64	60	58				58
4	82	70	61	54	80	68	60	53	66	58	53	63	57	52	61	56	51	49				49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42				42
6	69	56	47	40	68	55	46	40	53	45	40	51	45	39	50	44	39	37				37
7	64	51	42	36	63	50	41	35	48	41	35	47	40	35	45	39	35	33				33
8	60	46	38	32	58	46	37	32	44	37	31	43	36	31	42	36	31	29				29
9	56	42	34	29	55	42	34	28	41	33	28	40	33	28	39	32	28	26				26
10	52	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24				24

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

	0°	45°	90°
0°	2863	2863	2863
5°	2843	2860	2869
10°	2830	2853	2862
15°	2803	2835	2849
20°	2769	2811	2835
25°	2725	2778	2812
30°	2678	2749	2795
35°	2621	2707	2777
40°	2572	2670	2768
45°	2493	2630	2774
50°	2433	2605	2783
55°	2349	2580	2796
60°	2244	2553	2819
65°	2153	2530	2843
70°	2002	2480	2893
75°	1775	2424	2953
80°	1502	2264	2672
85°	1065	1572	1519



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	100.6	3.3
10°-20°	286.6	9.4
20°-30°	430.6	14.1
30°-40°	515.2	16.9
40°-50°	534.2	17.5
50°-60°	491.4	16.1
60°-70°	390.0	12.8
70°-80°	240.9	7.9
80°-90°	59.8	2.0
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°	817.8	26.8
0°-40°	1333.0	43.7
0°-60°	2358.5	77.3
0°-90°	3049.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3049.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1064	1064	1064	1064	1064	
5°	1052	1056	1059	1062	1062	100
15°	1006	1010	1018	1023	1023	284
25°	918	924	936	946	947	423
35°	798	806	824	840	845	499
45°	655	666	691	719	729	506
55°	501	514	550	588	596	448
65°	338	353	397	435	446	334
75°	171	194	233	269	284	183
85°	34	44	51	51	49	44
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1063.8	1063.8	1063.8	1063.8	1063.8
2.5°	1057.2	1058.8	1063.8	1065.4	1065.4
5°	1052.3	1055.5	1058.8	1062.1	1062.1
7.5°	1045.7	1049.0	1053.9	1055.5	1055.5
10°	1035.8	1039.1	1044.1	1047.3	1047.3
12.5°	1021.1	1026.0	1032.6	1035.8	1035.8
15°	1006.3	1009.6	1017.8	1022.7	1022.7
17.5°	988.2	991.5	999.7	1006.3	1007.9
20°	966.9	970.2	981.7	988.2	989.9
22.5°	942.3	947.2	960.3	966.9	968.5
25°	917.6	924.2	935.7	945.6	947.2
27.5°	891.4	897.9	909.4	922.6	925.9
30°	861.8	868.4	884.8	896.3	899.6
32.5°	830.6	838.9	855.3	870.0	873.3
35°	797.8	806.0	824.1	840.5	845.4
37.5°	761.7	773.2	792.9	810.9	817.5
40°	732.1	738.7	760.1	781.4	788.0
42.5°	692.8	702.6	725.6	750.2	760.1
45°	655.0	666.5	691.1	719.0	728.9
47.5°	617.2	628.7	656.6	686.2	696.0
50°	581.1	591.0	622.2	655.0	664.8
52.5°	543.4	553.2	586.0	622.2	632.0
55°	500.7	513.8	549.9	587.7	595.9
57.5°	461.3	474.4	512.2	548.3	563.1
60°	417.0	433.4	474.4	510.5	523.7
62.5°	379.2	392.3	438.3	474.4	485.9
65°	338.2	352.9	397.3	435.0	446.5
67.5°	298.8	313.5	356.2	394.0	408.8
70°	254.4	270.9	315.2	352.9	367.7
72.5°	213.4	233.1	272.5	311.9	328.3
75°	170.7	193.7	233.1	269.2	284.0
77.5°	133.0	152.7	190.4	215.0	223.3
80°	96.9	116.6	146.1	162.5	172.4
82.5°	65.7	77.2	100.1	111.6	111.6
85°	34.5	44.3	50.9	50.9	49.2
87.5°	11.5	13.1	9.8	4.9	3.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)