

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: P302113

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302113  
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: RX-WO-39H930-UNV-22-STD  
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.  
ROUND LENS, HIGH PERFORMANCE LUMEN PACKAGE.  
Light Source: (294)3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

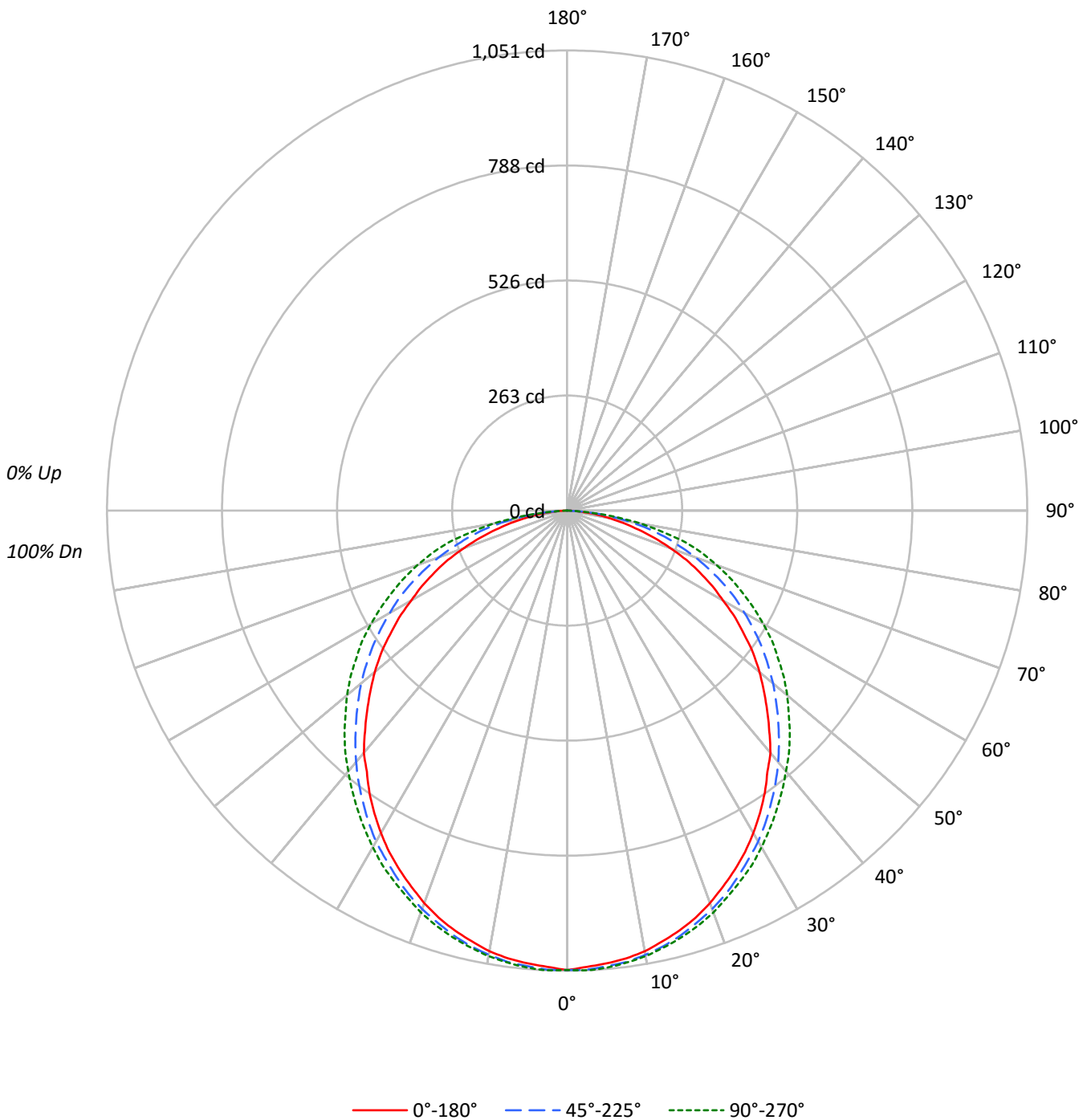
Lumens per Lamp: N/A  
Luminaire Lumens: 3008.4 lumens  
Efficiency: N/A  
Efficacy: 104.1 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.36  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

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	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	45		57	50	45		55	49	44	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	52	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°	2824	2824	2824
5°	2804	2822	2831
10°	2793	2815	2823
15°	2766	2798	2811
20°	2732	2773	2797
25°	2688	2741	2775
30°	2642	2713	2758
35°	2586	2671	2740
40°	2538	2634	2731
45°	2459	2595	2737
50°	2400	2570	2746
55°	2318	2546	2758
60°	2214	2519	2781
65°	2124	2496	2805
70°	1975	2447	2854
75°	1751	2391	2913
80°	1481	2233	2636
85°	1050	1550	1501



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	99.2	3.3
10°-20°	282.8	9.4
20°-30°	424.9	14.1
30°-40°	508.3	16.9
40°-50°	527.1	17.5
50°-60°	484.8	16.1
60°-70°	384.7	12.8
70°-80°	237.6	7.9
80°-90°	59.0	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°	806.8	26.8
0°-40°	1315.1	43.7
0°-60°	2327.0	77.3
0°-90°	3008.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3008.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1050	1050	1050	1050	1050	
5°	1038	1041	1045	1048	1048	99
15°	993	996	1004	1009	1009	280
25°	905	912	923	933	934	417
35°	787	795	813	829	834	492
45°	646	658	682	709	719	499
55°	494	507	543	580	588	442
65°	334	348	392	429	440	330
75°	168	191	230	266	280	180
85°	34	44	50	50	49	43
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1049.5	1049.5	1049.5	1049.5	1049.5
2.5°	1043.0	1044.7	1049.5	1051.1	1051.1
5°	1038.2	1041.4	1044.7	1047.9	1047.9
7.5°	1031.7	1035.0	1039.8	1041.4	1041.4
10°	1022.0	1025.2	1030.1	1033.3	1033.3
12.5°	1007.4	1012.3	1018.8	1022.0	1022.0
15°	992.8	996.1	1004.2	1009.0	1009.0
17.5°	975.0	978.3	986.4	992.8	994.5
20°	954.0	957.2	968.5	975.0	976.6
22.5°	929.7	934.5	947.5	954.0	955.6
25°	905.4	911.9	923.2	932.9	934.5
27.5°	879.5	885.9	897.3	910.2	913.5
30°	850.3	856.8	873.0	884.3	887.6
32.5°	819.5	827.6	843.8	858.4	861.6
35°	787.1	795.2	813.1	829.3	834.1
37.5°	751.5	762.9	782.3	800.1	806.6
40°	722.4	728.8	749.9	770.9	777.4
42.5°	683.5	693.2	715.9	740.2	749.9
45°	646.2	657.6	681.9	709.4	719.1
47.5°	609.0	620.3	647.9	677.0	686.7
50°	573.4	583.1	613.8	646.2	656.0
52.5°	536.1	545.8	578.2	613.8	623.6
55°	494.0	506.9	542.6	579.8	587.9
57.5°	455.1	468.1	505.3	541.0	555.5
60°	411.4	427.6	468.1	503.7	516.7
62.5°	374.1	387.1	432.4	468.1	479.4
65°	333.6	348.2	392.0	429.2	440.5
67.5°	294.8	309.4	351.5	388.7	403.3
70°	251.0	267.2	311.0	348.2	362.8
72.5°	210.6	230.0	268.9	307.7	323.9
75°	168.4	191.1	230.0	265.6	280.2
77.5°	131.2	150.6	187.9	212.2	220.3
80°	95.6	115.0	144.1	160.3	170.1
82.5°	64.8	76.1	98.8	110.1	110.1
85°	34.0	43.7	50.2	50.2	48.6
87.5°	11.3	13.0	9.7	4.9	3.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)