

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: P302164

Luminaire Tested: **RX-WO-29L830-UNV-22-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302164  
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-29L830-UNV-22-STD  
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.  
ROUND LENS, STANDARD LUMEN PACKAGE.  
Light Source: (196)3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

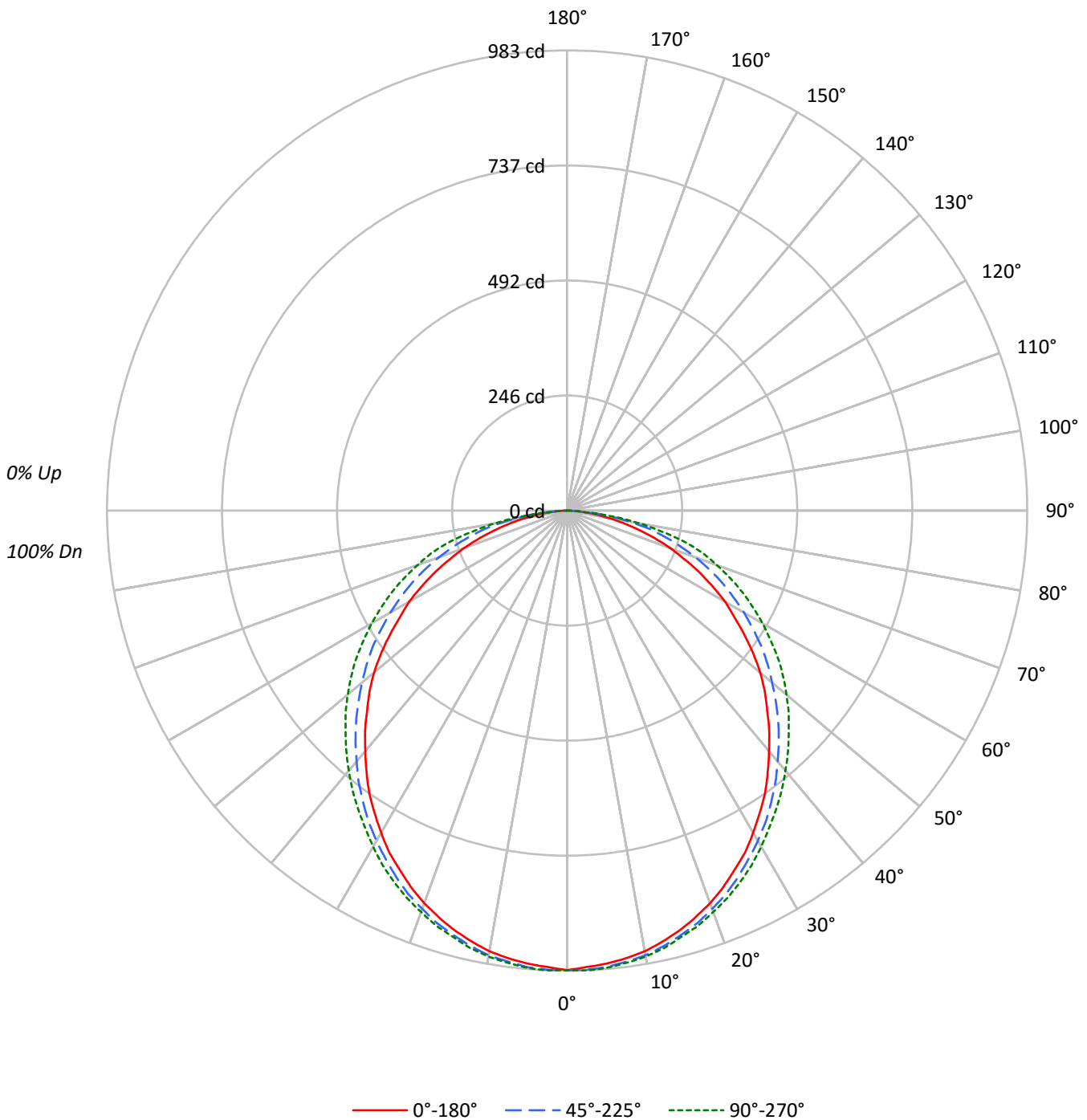
Lumens per Lamp: N/A  
Luminaire Lumens: 2810.5 lumens  
Efficiency: N/A  
Efficacy: 126.6 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.25 / 1.36  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 22.2  
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	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	46	57	50	45	55	49	45	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	53	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°	2642	2642	2642
5°	2625	2644	2648
10°	2612	2635	2643
15°	2586	2615	2627
20°	2556	2593	2613
25°	2513	2564	2599
30°	2469	2531	2576
35°	2421	2497	2558
40°	2356	2458	2549
45°	2301	2427	2547
50°	2254	2393	2561
55°	2168	2377	2580
60°	2100	2348	2595
65°	1980	2328	2630
70°	1846	2288	2673
75°	1631	2245	2724
80°	1361	2097	2431
85°	1022	1423	1288



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	92.8	3.3
10°-20°	264.5	9.4
20°-30°	397.4	14.1
30°-40°	474.8	16.9
40°-50°	492.3	17.5
50°-60°	452.2	16.1
60°-70°	359.1	12.8
70°-80°	222.9	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°	754.7	26.9
0°-40°	1229.5	43.7
0°-60°	2174.0	77.4
0°-90°	2810.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2810.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	982	982	982	982	982	
5°	972	974	979	980	980	92
15°	928	931	938	943	943	262
25°	846	852	864	874	875	390
35°	737	744	760	774	779	460
45°	605	613	638	662	669	467
55°	462	474	507	538	550	414
65°	311	325	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°	981.7	981.7	981.7	981.7	981.7
2.5°	975.9	977.4	981.7	984.6	983.1
5°	971.6	974.5	978.8	980.3	980.3
7.5°	964.4	967.3	971.6	974.5	974.5
10°	955.8	958.7	964.4	967.3	967.3
12.5°	942.8	945.7	952.9	955.8	957.2
15°	928.4	931.3	938.5	942.8	942.8
17.5°	911.2	915.5	924.1	928.4	929.9
20°	892.5	896.8	905.4	911.2	912.6
22.5°	870.9	875.2	886.7	893.9	895.3
25°	846.4	852.2	863.7	873.7	875.2
27.5°	823.4	827.7	839.2	849.3	853.6
30°	794.6	801.8	814.7	826.2	829.1
32.5°	765.8	774.4	788.8	801.8	803.2
35°	737.0	744.2	760.0	774.4	778.7
37.5°	703.9	711.1	731.2	747.1	752.8
40°	670.8	680.9	699.6	718.3	725.5
42.5°	639.1	649.2	669.3	690.9	698.1
45°	604.6	613.2	637.7	662.1	669.3
47.5°	572.9	580.1	604.6	633.4	642.0
50°	538.4	544.1	571.5	603.1	611.8
52.5°	500.9	509.6	539.8	571.5	581.5
55°	462.1	473.6	506.7	538.4	549.9
57.5°	423.2	436.2	470.7	505.2	515.3
60°	390.1	398.7	436.2	470.7	482.2
62.5°	349.8	362.7	400.2	436.2	447.7
65°	310.9	325.3	365.6	400.2	413.1
67.5°	270.6	287.9	329.6	362.7	377.1
70°	234.6	251.9	290.8	325.3	339.7
72.5°	195.8	214.5	253.3	289.3	305.2
75°	156.9	177.1	215.9	249.0	262.0
77.5°	122.4	142.5	178.5	201.5	207.3
80°	87.8	105.1	135.3	151.1	156.9
82.5°	59.0	72.0	92.1	97.9	100.8
85°	33.1	40.3	46.1	44.6	41.7
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)