

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: P302205

Luminaire Tested: **ZX-WO-29L835-UNV-22-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302205  
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-29L835-UNV-22-STD  
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.  
FLAT LENS, STANDARD LUMEN PACKAGE.  
Light Source: (196)3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

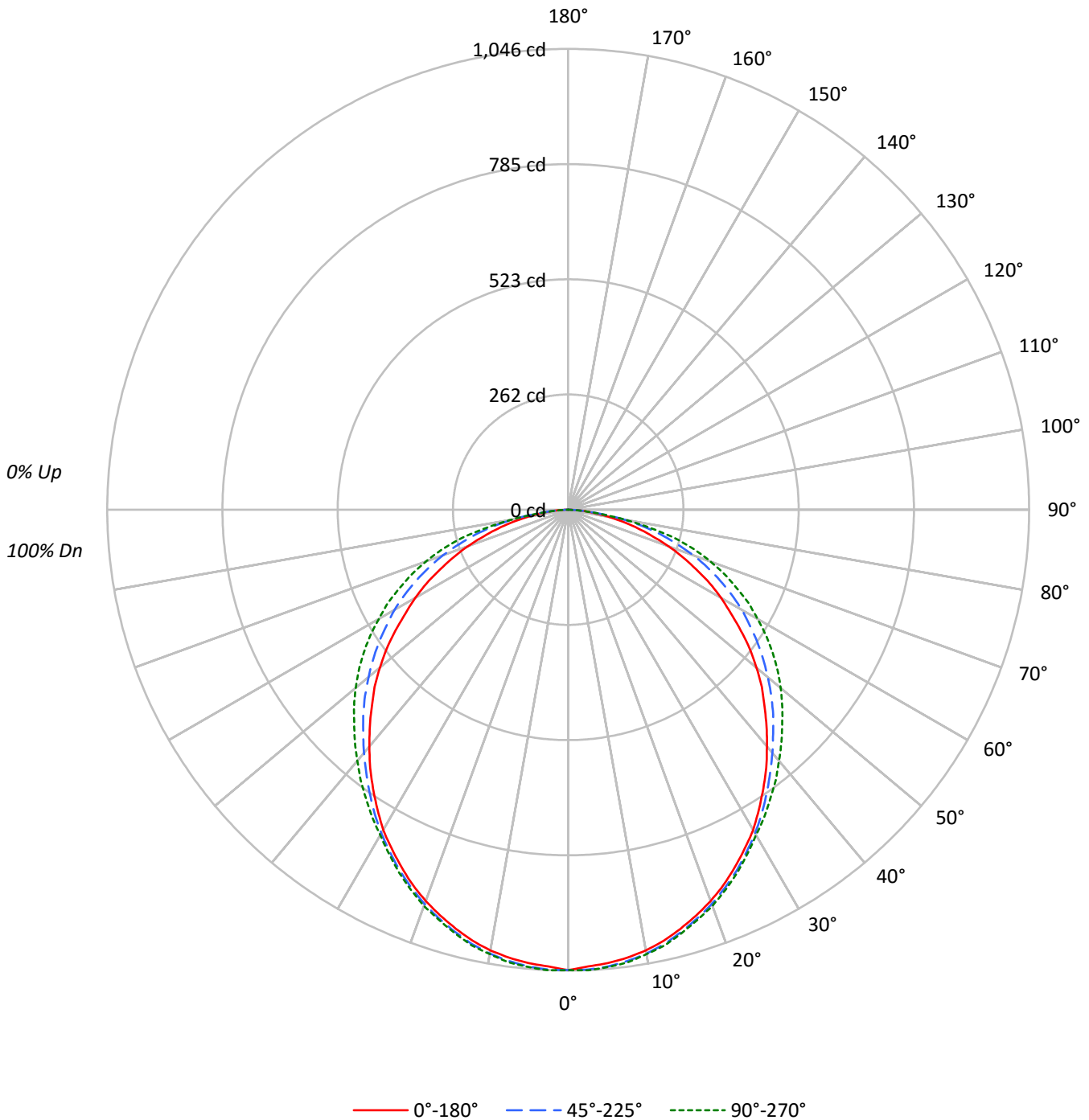
Lumens per Lamp: N/A  
Luminaire Lumens: 2904.3 lumens  
Efficiency: N/A  
Efficacy: 130.8 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.22 / 1.34  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 22.2  
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°	2812	2812	2812
5°	2791	2811	2815
10°	2775	2795	2799
15°	2743	2764	2772
20°	2706	2728	2740
25°	2658	2684	2697
30°	2608	2636	2650
35°	2536	2579	2627
40°	2464	2531	2614
45°	2396	2502	2614
50°	2335	2476	2636
55°	2244	2458	2658
60°	2156	2448	2669
65°	2037	2420	2691
70°	1905	2378	2702
75°	1709	2258	2610
80°	1433	1979	2001
85°	1133	1133	908



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	98.6	3.4
10°-20°	279.5	9.6
20°-30°	415.9	14.3
30°-40°	491.9	16.9
40°-50°	508.3	17.5
50°-60°	467.3	16.1
60°-70°	371.6	12.8
70°-80°	222.6	7.7
80°-90°	48.5	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°	793.9	27.3
0°-40°	1285.9	44.3
0°-60°	2261.5	77.9
0°-90°	2904.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2904.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1045	1045	1045	1045	1045	
5°	1033	1036	1040	1042	1042	98
15°	985	988	992	995	995	278
25°	895	898	904	908	908	412
35°	772	776	785	795	800	483
45°	630	636	658	681	687	487
55°	478	489	524	556	566	428
65°	320	339	380	414	423	318
75°	164	186	217	242	251	174
85°	37	40	37	34	29	43
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1044.9	1044.9	1044.9	1044.9	1044.9
2.5°	1037.6	1040.5	1044.9	1046.4	1046.4
5°	1033.2	1036.1	1040.5	1042.0	1042.0
7.5°	1025.8	1028.8	1033.2	1034.6	1036.1
10°	1015.6	1018.5	1022.9	1024.4	1024.4
12.5°	1002.3	1003.8	1009.7	1011.2	1012.6
15°	984.7	987.7	992.1	995.0	995.0
17.5°	965.7	968.6	973.0	975.9	975.9
20°	945.1	948.0	952.5	955.4	956.9
22.5°	921.6	924.6	929.0	933.4	933.4
25°	895.2	898.2	904.0	908.4	908.4
27.5°	867.3	870.3	876.1	880.5	880.5
30°	839.4	840.9	848.3	851.2	852.7
32.5°	805.7	810.1	817.4	823.3	827.7
35°	771.9	776.3	785.1	795.4	799.8
37.5°	738.2	742.6	752.9	767.5	773.4
40°	701.5	707.4	720.6	739.7	744.1
42.5°	666.3	673.6	688.3	710.3	716.2
45°	629.6	635.5	657.5	681.0	686.8
47.5°	595.8	600.2	625.2	651.6	658.9
50°	557.7	563.5	591.4	620.8	629.6
52.5°	519.5	526.9	557.7	588.5	598.8
55°	478.4	488.7	523.9	556.2	566.5
57.5°	437.3	452.0	488.7	521.0	532.7
60°	400.6	413.9	454.9	485.8	496.0
62.5°	362.5	377.2	418.3	449.1	462.3
65°	319.9	339.0	380.1	413.9	422.7
67.5°	281.8	300.9	341.9	372.8	384.5
70°	242.1	264.2	302.3	330.2	343.4
72.5°	201.1	224.5	258.3	287.6	300.9
75°	164.4	186.4	217.2	242.1	251.0
77.5°	127.7	148.2	173.2	187.8	190.8
80°	92.5	108.6	127.7	130.6	129.1
82.5°	61.6	73.4	79.2	76.3	76.3
85°	36.7	39.6	36.7	33.8	29.4
87.5°	13.2	11.7	8.8	5.9	2.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)