

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: P302063

Luminaire Tested: **ZX-WO-29L835-UNV-14-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302063  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: ZX-WO-29L835-UNV-14-STD  
Description: CORELITE CLASS RX 1X4 LED LUMINAIRE.  
FLAT LENS  
Light Source: (84)3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2988.5 lumens  
Efficiency: N/A  
Efficacy: 123.0 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.34  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

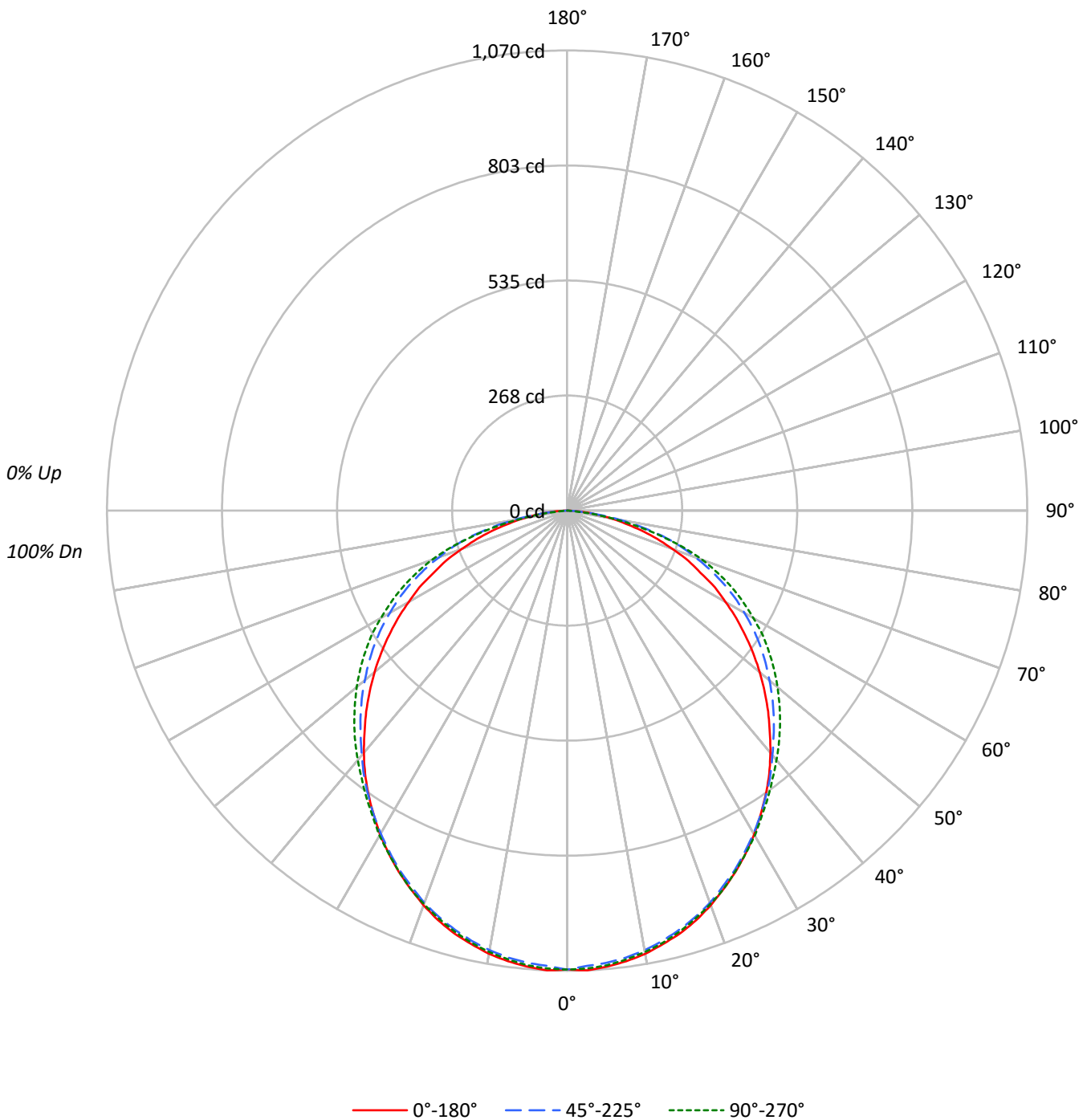
Input Watts (W): 24.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	109	104	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86	84					84			
2	99	90	83	78	96	88	82	77	85	79	75	82	77	73	79	75	71	69					69			
3	90	79	71	64	87	78	70	64	75	68	63	72	66	61	69	64	60	58					58			
4	82	70	61	54	80	69	60	54	66	59	53	64	58	52	62	56	52	50					50			
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43					43			
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37					37			
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33					33			
8	60	46	38	32	59	46	38	32	44	37	32	43	36	32	42	36	31	29					29			
9	56	43	34	29	55	42	34	29	41	34	29	40	33	28	39	33	28	26					26			
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24					24			

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

	0°	45°	90°
0°	2872	2872	2872
5°	2875	2851	2867
10°	2860	2836	2848
15°	2835	2810	2822
20°	2796	2780	2788
25°	2752	2739	2748
30°	2703	2694	2712
35°	2646	2651	2675
40°	2583	2609	2660
45°	2515	2587	2665
50°	2448	2570	2674
55°	2373	2572	2688
60°	2289	2565	2691
65°	2178	2551	2690
70°	2047	2496	2634
75°	1854	2386	2310
80°	1585	1926	1698
85°	1127	902	272



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	100.7	3.4
10°-20°	285.7	9.6
20°-30°	426.2	14.3
30°-40°	506.4	16.9
40°-50°	525.6	17.6
50°-60°	486.1	16.3
60°-70°	387.2	13.0
70°-80°	226.6	7.6
80°-90°	44.0	1.5
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°	812.6	27.2
0°-40°	1319.0	44.1
0°-60°	2330.7	78.0
0°-90°	2988.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2988.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1067	1067	1067	1067	1067	
5°	1064	1061	1056	1061	1061	101
15°	1018	1016	1009	1016	1013	287
25°	927	925	922	927	925	427
35°	806	806	807	813	814	504
45°	661	668	680	696	700	510
55°	506	520	548	567	573	452
65°	342	367	401	417	422	341
75°	178	208	230	227	222	189
85°	36	44	29	15	9	46
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1067.2	1067.2	1067.2	1067.2	1067.2
2.5°	1070.1	1067.2	1059.8	1067.2	1065.7
5°	1064.2	1061.3	1055.5	1061.3	1061.3
7.5°	1056.9	1054.0	1048.2	1054.0	1052.5
10°	1046.7	1043.8	1037.9	1043.8	1042.3
12.5°	1032.1	1030.6	1024.8	1030.6	1029.2
15°	1017.5	1016.0	1008.7	1016.0	1013.1
17.5°	998.5	997.0	991.1	995.5	994.1
20°	976.5	973.6	970.7	975.1	973.6
22.5°	951.7	950.2	945.8	953.1	951.7
25°	926.8	925.4	922.4	926.8	925.4
27.5°	899.0	897.6	894.7	900.5	899.0
30°	869.8	869.8	866.9	874.2	872.7
32.5°	837.6	837.6	837.6	842.0	842.0
35°	805.5	805.5	806.9	812.8	814.3
37.5°	771.9	771.9	776.2	785.0	785.0
40°	735.3	738.2	742.6	755.8	757.2
42.5°	697.3	703.2	710.5	726.5	729.5
45°	660.8	668.1	679.8	695.8	700.2
47.5°	622.8	631.5	647.6	665.1	669.5
50°	584.7	596.4	614.0	634.4	638.8
52.5°	545.3	558.4	581.8	602.3	606.7
55°	505.8	520.4	548.2	567.2	573.0
57.5°	466.3	482.4	513.1	532.1	539.4
60°	425.4	442.9	476.6	494.1	500.0
62.5°	387.4	406.4	440.0	456.1	461.9
65°	342.1	366.9	400.6	416.6	422.5
67.5°	305.5	328.9	359.6	377.2	378.6
70°	260.2	289.4	317.2	331.8	334.8
72.5°	219.3	248.5	276.3	282.1	282.1
75°	178.3	207.6	229.5	226.6	222.2
77.5°	137.4	166.7	178.3	168.1	163.7
80°	102.3	127.2	124.3	114.0	109.6
82.5°	67.2	86.2	73.1	61.4	55.6
85°	36.5	43.9	29.2	14.6	8.8
87.5°	13.2	8.8	1.5	1.5	1.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)