

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: P302081

Luminaire Tested: **ZX-WO-29L935-UNV-14-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302081  
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-29L935-UNV-14-STD  
Description: CORELITE CLASS RX 1X4 LED LUMINAIRE.  
FLAT LENS  
Light Source: (84)3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2498.9 lumens  
Efficiency: N/A  
Efficacy: 102.8 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

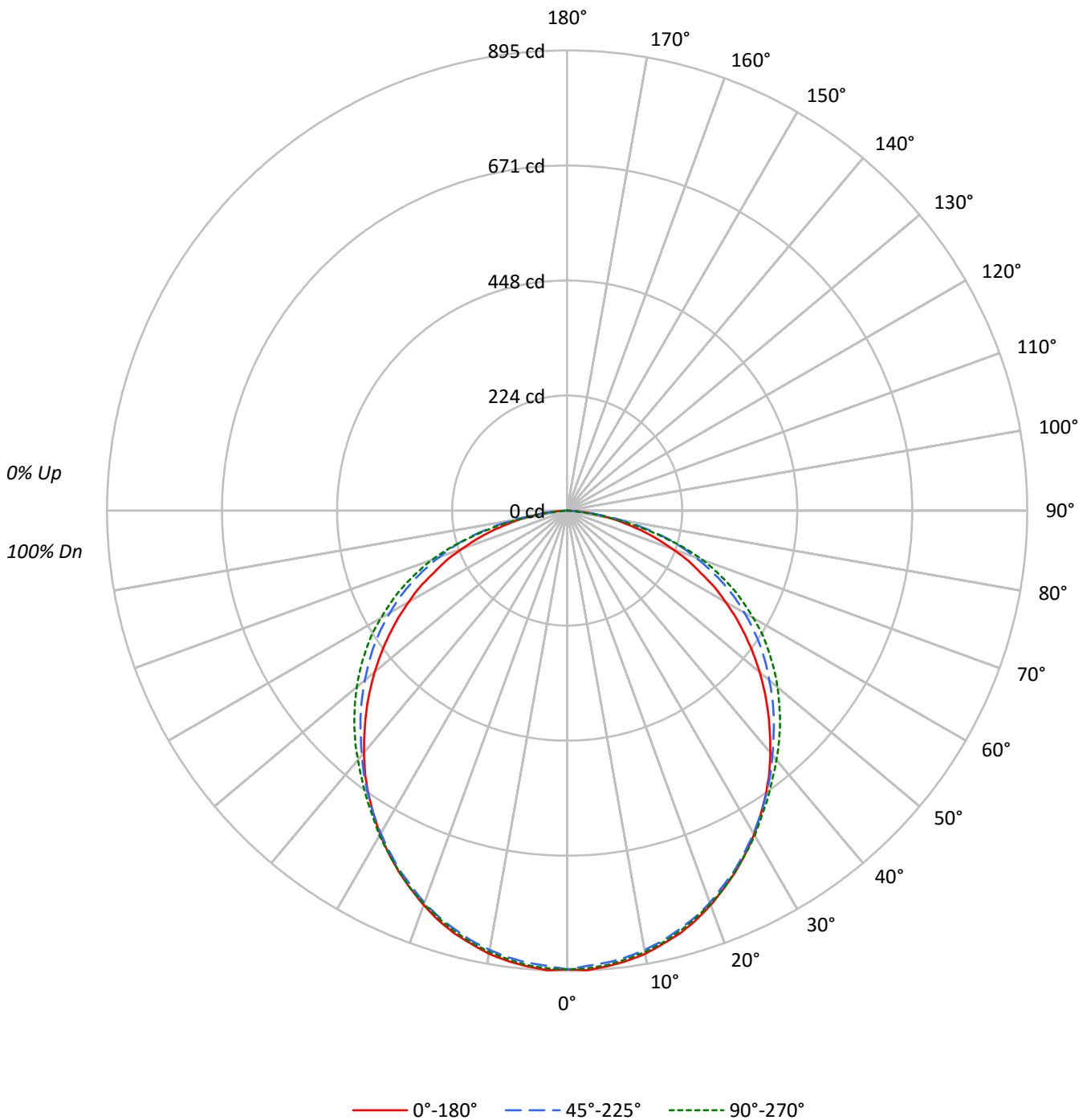
Input Watts (W): 24.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	109	104	100	96	106	102	98	94	97	94	91		93	91	88		90	88	86	84
2	99	90	83	78	96	88	82	77	85	79	75		82	77	73		79	75	71	69
3	90	79	71	64	87	78	70	64	75	68	63		72	66	61		69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53		64	58	52		62	56	52	50
5	75	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	46	38	32	59	46	38	32	44	37	32		43	36	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°	2401	2401	2401
5°	2404	2384	2397
10°	2391	2372	2382
15°	2370	2350	2360
20°	2338	2324	2331
25°	2301	2290	2298
30°	2260	2252	2268
35°	2213	2217	2237
40°	2160	2181	2224
45°	2103	2163	2228
50°	2047	2149	2236
55°	1984	2151	2248
60°	1914	2145	2250
65°	1821	2132	2250
70°	1712	2087	2202
75°	1550	1995	1932
80°	1327	1610	1421
85°	945	753	225



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	84.2	3.4
10°-20°	238.9	9.6
20°-30°	356.4	14.3
30°-40°	423.4	16.9
40°-50°	439.5	17.6
50°-60°	406.4	16.3
60°-70°	323.8	13.0
70°-80°	189.5	7.6
80°-90°	36.7	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°	679.5	27.2
0°-40°	1102.9	44.1
0°-60°	1948.9	78.0
0°-90°	2498.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2498.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	892	892	892	892	892	
5°	890	887	883	887	887	84
15°	851	850	843	850	847	240
25°	775	774	771	775	774	357
35°	674	674	675	680	681	421
45°	552	559	568	582	586	426
55°	423	435	458	474	479	378
65°	286	307	335	348	353	285
75°	149	174	192	190	186	158
85°	31	37	24	12	7	38
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	892.3	892.3	892.3	892.3	892.3
2.5°	894.8	892.3	886.2	892.3	891.1
5°	889.9	887.4	882.6	887.4	887.4
7.5°	883.8	881.3	876.4	881.3	880.1
10°	875.2	872.8	867.9	872.8	871.6
12.5°	863.0	861.8	856.9	861.8	860.6
15°	850.8	849.6	843.4	849.6	847.1
17.5°	834.9	833.7	828.8	832.4	831.2
20°	816.5	814.1	811.7	815.3	814.1
22.5°	795.8	794.5	790.9	797.0	795.8
25°	775.0	773.8	771.3	775.0	773.8
27.5°	751.8	750.5	748.1	753.0	751.8
30°	727.3	727.3	724.9	731.0	729.8
32.5°	700.4	700.4	700.4	704.1	704.1
35°	673.5	673.5	674.8	679.6	680.9
37.5°	645.4	645.4	649.1	656.4	656.4
40°	614.9	617.3	621.0	632.0	633.2
42.5°	583.1	588.0	594.1	607.5	610.0
45°	552.5	558.6	568.4	581.9	585.5
47.5°	520.7	528.1	541.5	556.2	559.9
50°	489.0	498.7	513.4	530.5	534.2
52.5°	455.9	466.9	486.5	503.6	507.3
55°	422.9	435.2	458.4	474.3	479.2
57.5°	389.9	403.4	429.1	444.9	451.1
60°	355.7	370.4	398.5	413.2	418.1
62.5°	323.9	339.8	367.9	381.4	386.3
65°	286.0	306.8	334.9	348.4	353.3
67.5°	255.5	275.0	300.7	315.4	316.6
70°	217.6	242.0	265.3	277.5	279.9
72.5°	183.4	207.8	231.0	235.9	235.9
75°	149.1	173.6	191.9	189.5	185.8
77.5°	114.9	139.4	149.1	140.6	136.9
80°	85.6	106.3	103.9	95.3	91.7
82.5°	56.2	72.1	61.1	51.3	46.5
85°	30.6	36.7	24.4	12.2	7.3
87.5°	11.0	7.3	1.2	1.2	1.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)