

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: P302069

Luminaire Tested: **ZX-WO-29L840-UNV-14-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302069  
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-29L840-UNV-14-STD  
Description: CORELITE CLASS RX 1X4 LED LUMINAIRE.  
FLAT LENS  
Light Source: (84)4000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3052.1 lumens  
Efficiency: N/A  
Efficacy: 125.6 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

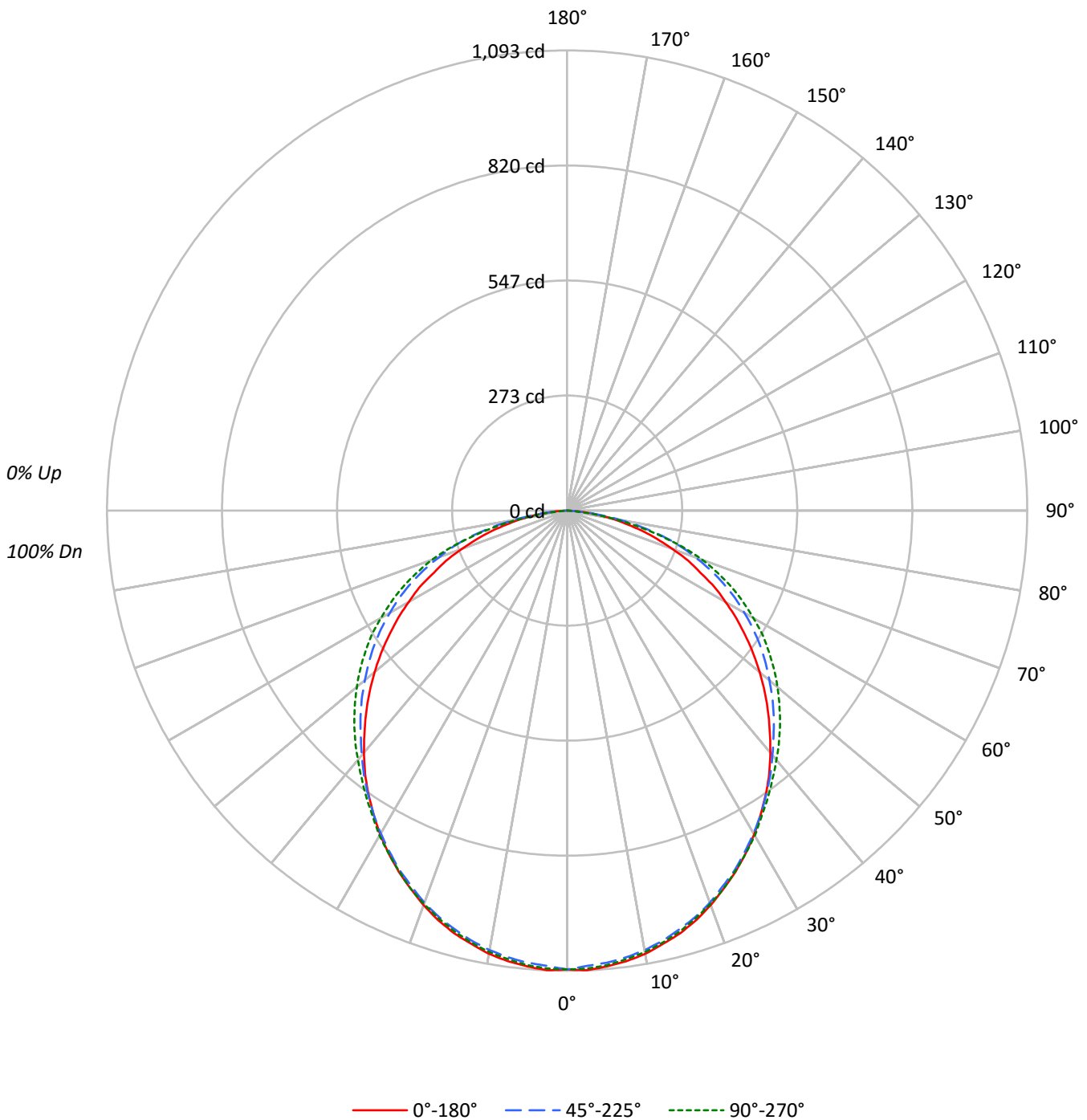
Input Watts (W): 24.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	2933	2933	2933
5°	2936	2912	2928
10°	2921	2896	2909
15°	2895	2870	2882
20°	2856	2839	2847
25°	2810	2797	2806
30°	2760	2751	2770
35°	2702	2707	2732
40°	2638	2664	2716
45°	2568	2642	2721
50°	2500	2625	2731
55°	2424	2627	2746
60°	2338	2619	2748
65°	2224	2605	2748
70°	2090	2549	2690
75°	1893	2437	2359
80°	1619	1967	1736
85°	1152	923	278



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	102.8	3.4
10°-20°	291.8	9.6
20°-30°	435.3	14.3
30°-40°	517.2	16.9
40°-50°	536.8	17.6
50°-60°	496.4	16.3
60°-70°	395.4	13.0
70°-80°	231.4	7.6
80°-90°	44.9	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°	829.9	27.2
0°-40°	1347.1	44.1
0°-60°	2380.3	78.0
0°-90°	3052.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3052.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1090	1090	1090	1090	1090	
5°	1087	1084	1078	1084	1084	103
15°	1039	1038	1030	1038	1035	293
25°	946	945	942	946	945	436
35°	823	823	824	830	832	514
45°	675	682	694	711	715	521
55°	517	532	560	579	585	462
65°	349	375	409	426	432	348
75°	182	212	234	231	227	193
85°	37	45	30	15	9	47
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1089.9	1089.9	1089.9	1089.9	1089.9
2.5°	1092.8	1089.9	1082.4	1089.9	1088.4
5°	1086.9	1083.9	1077.9	1083.9	1083.9
7.5°	1079.4	1076.4	1070.4	1076.4	1074.9
10°	1069.0	1066.0	1060.0	1066.0	1064.5
12.5°	1054.0	1052.5	1046.6	1052.5	1051.0
15°	1039.1	1037.6	1030.1	1037.6	1034.6
17.5°	1019.7	1018.2	1012.2	1016.7	1015.2
20°	997.3	994.3	991.3	995.8	994.3
22.5°	971.9	970.4	965.9	973.4	971.9
25°	946.5	945.0	942.0	946.5	945.0
27.5°	918.2	916.7	913.7	919.7	918.2
30°	888.3	888.3	885.3	892.8	891.3
32.5°	855.5	855.5	855.5	859.9	859.9
35°	822.6	822.6	824.1	830.1	831.6
37.5°	788.3	788.3	792.8	801.7	801.7
40°	751.0	753.9	758.4	771.9	773.3
42.5°	712.1	718.1	725.6	742.0	745.0
45°	674.8	682.3	694.2	710.6	715.1
47.5°	636.0	645.0	661.4	679.3	683.8
50°	597.2	609.1	627.0	647.9	652.4
52.5°	556.9	570.3	594.2	615.1	619.6
55°	516.6	531.5	559.9	579.3	585.2
57.5°	476.3	492.7	524.0	543.4	550.9
60°	434.4	452.4	486.7	504.6	510.6
62.5°	395.6	415.0	449.4	465.8	471.8
65°	349.3	374.7	409.1	425.5	431.5
67.5°	312.0	335.9	367.3	385.2	386.7
70°	265.7	295.6	324.0	338.9	341.9
72.5°	223.9	253.8	282.2	288.1	288.1
75°	182.1	212.0	234.4	231.4	226.9
77.5°	140.3	170.2	182.1	171.7	167.2
80°	104.5	129.9	126.9	116.4	112.0
82.5°	68.7	88.1	74.6	62.7	56.7
85°	37.3	44.8	29.9	14.9	9.0
87.5°	13.4	9.0	1.5	1.5	1.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)