

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: P303043

Luminaire Tested: **CTW-F-0100-50L930-UNV-STD-8**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P303043  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-181-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: CTW-F-0100-50L930-UNV-STD-8  
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE  
0% UPLIGHT, 100% DOWNLIGHT, 5000 LUMEN PACKAGE  
Light Source: 3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8262.2 lumens  
Efficiency: N/A  
Efficacy: 88.5 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.22 / 1.32  
Luminous Opening: Rectangular (W 8' x L: 0.12' x H: 0')  
CIE Type: Direct

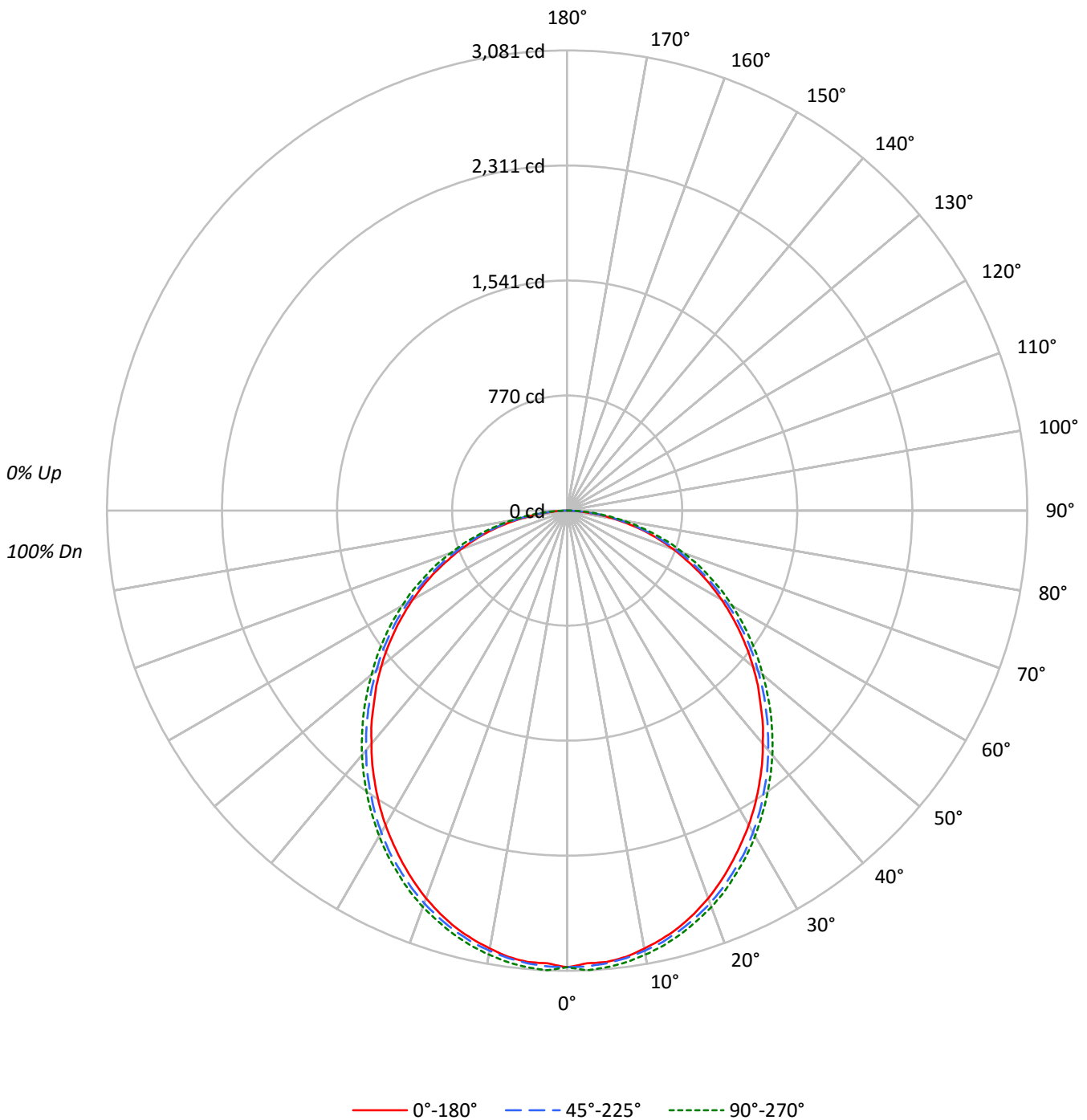
Input Watts (W): 93.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	84	78	96	89	82	77	85	80	75	82	77	73	79	75	72	70				70
3	90	79	71	65	88	78	70	64	75	68	63	72	67	62	70	65	61	59				59
4	82	70	62	55	80	69	61	55	67	59	54	64	58	53	62	57	52	50				50
5	76	63	54	47	74	62	53	47	60	52	47	58	51	46	56	50	46	43				43
6	70	57	48	41	68	56	47	41	54	46	41	52	46	40	51	45	40	38				38
7	65	52	43	37	63	51	42	36	49	42	36	48	41	36	46	40	36	34				34
8	61	47	39	33	59	46	38	33	45	38	32	44	37	32	43	37	32	30				30
9	57	43	35	29	55	43	35	29	41	34	29	40	34	29	39	33	29	27				27
10	53	40	32	27	52	39	32	27	38	31	27	37	31	26	37	31	26	25				25

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

	0°	45°	90°
0°	32910	32910	32910
5°	32785	32874	33162
10°	32545	32709	33000
15°	32198	32440	32718
20°	31649	32049	32355
25°	30939	31511	31827
30°	30228	30930	31282
35°	29444	30186	30646
40°	28632	29428	30035
45°	27854	28664	29349
50°	27215	27940	28635
55°	26472	27252	28095
60°	25713	26501	27502
65°	24828	25676	26860
70°	23821	24604	26071
75°	22624	23315	24974
80°	20109	21342	23301
85°	14796	16846	20748



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	288.6	3.5
10°-20°	818.6	9.9
20°-30°	1215.7	14.7
30°-40°	1429.2	17.3
40°-50°	1448.9	17.5
50°-60°	1297.6	15.7
60°-70°	1000.9	12.1
70°-80°	598.0	7.2
80°-90°	164.7	2.0
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°	2322.9	28.1
0°-40°	3752.1	45.4
0°-60°	6498.6	78.7
0°-90°	8262.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8262.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3057	3057	3057	3057	3057	
5°	3034	3034	3042	3034	3069	288
15°	2889	2894	2911	2899	2936	814
25°	2605	2613	2653	2647	2680	1200
35°	2241	2249	2297	2304	2332	1402
45°	1830	1843	1883	1901	1928	1415
55°	1411	1417	1452	1479	1497	1262
65°	975	983	1008	1040	1055	964
75°	544	547	561	587	600	569
85°	120	121	136	161	168	145
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3057.4	3057.4	3057.4	3057.4	3057.4
2.5°	3034.2	3047.5	3054.1	3045.8	3080.7
5°	3034.2	3034.2	3042.5	3034.2	3069.1
7.5°	3014.2	3012.5	3022.5	3014.2	3049.1
10°	2977.6	2979.3	2992.6	2984.3	3019.2
12.5°	2937.7	2939.3	2957.6	2946.0	2982.6
15°	2889.4	2894.4	2911.1	2899.4	2936.0
17.5°	2829.5	2837.9	2857.8	2847.8	2882.8
20°	2763.0	2766.3	2797.9	2788.0	2824.6
22.5°	2686.5	2691.5	2729.7	2719.8	2758.0
25°	2605.0	2613.3	2653.2	2646.6	2679.8
27.5°	2518.5	2528.5	2576.7	2568.4	2603.3
30°	2432.0	2440.3	2488.5	2483.5	2516.8
32.5°	2338.8	2347.1	2397.0	2395.4	2425.3
35°	2240.7	2249.0	2297.2	2303.9	2332.2
37.5°	2144.2	2150.9	2200.8	2209.1	2235.7
40°	2037.7	2051.0	2094.3	2105.9	2137.5
42.5°	1939.6	1947.9	1989.5	2006.1	2032.8
45°	1829.8	1843.1	1883.0	1901.3	1928.0
47.5°	1731.7	1738.3	1776.6	1799.9	1819.8
50°	1625.2	1631.9	1668.5	1693.4	1710.0
52.5°	1518.7	1525.4	1562.0	1586.9	1605.2
55°	1410.6	1417.3	1452.2	1478.8	1497.1
57.5°	1302.5	1310.8	1342.4	1374.0	1387.3
60°	1194.4	1202.7	1231.0	1262.6	1277.5
62.5°	1084.6	1092.9	1119.5	1151.1	1171.1
65°	974.8	983.1	1008.1	1039.7	1054.6
67.5°	861.7	873.3	896.6	926.5	948.2
70°	756.9	763.5	781.8	810.1	828.4
72.5°	647.1	657.1	670.4	697.0	720.3
75°	544.0	547.3	560.6	587.2	600.5
77.5°	427.5	435.8	454.1	477.4	489.1
80°	324.4	327.7	344.3	367.6	375.9
82.5°	216.3	221.2	239.5	262.8	269.5
85°	119.8	121.4	136.4	161.4	168.0
87.5°	33.3	34.9	43.3	64.9	74.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)