

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: P303044

Luminaire Tested: **CTW-F-0100-50L935-UNV-STD-8**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P303044
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-0100-50L935-UNV-STD-8
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE
0% UPLIGHT, 100% DOWNLIGHT, 5000 LUMEN PACKAGE
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8552.9 lumens
Efficiency: N/A
Efficacy: 91.6 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

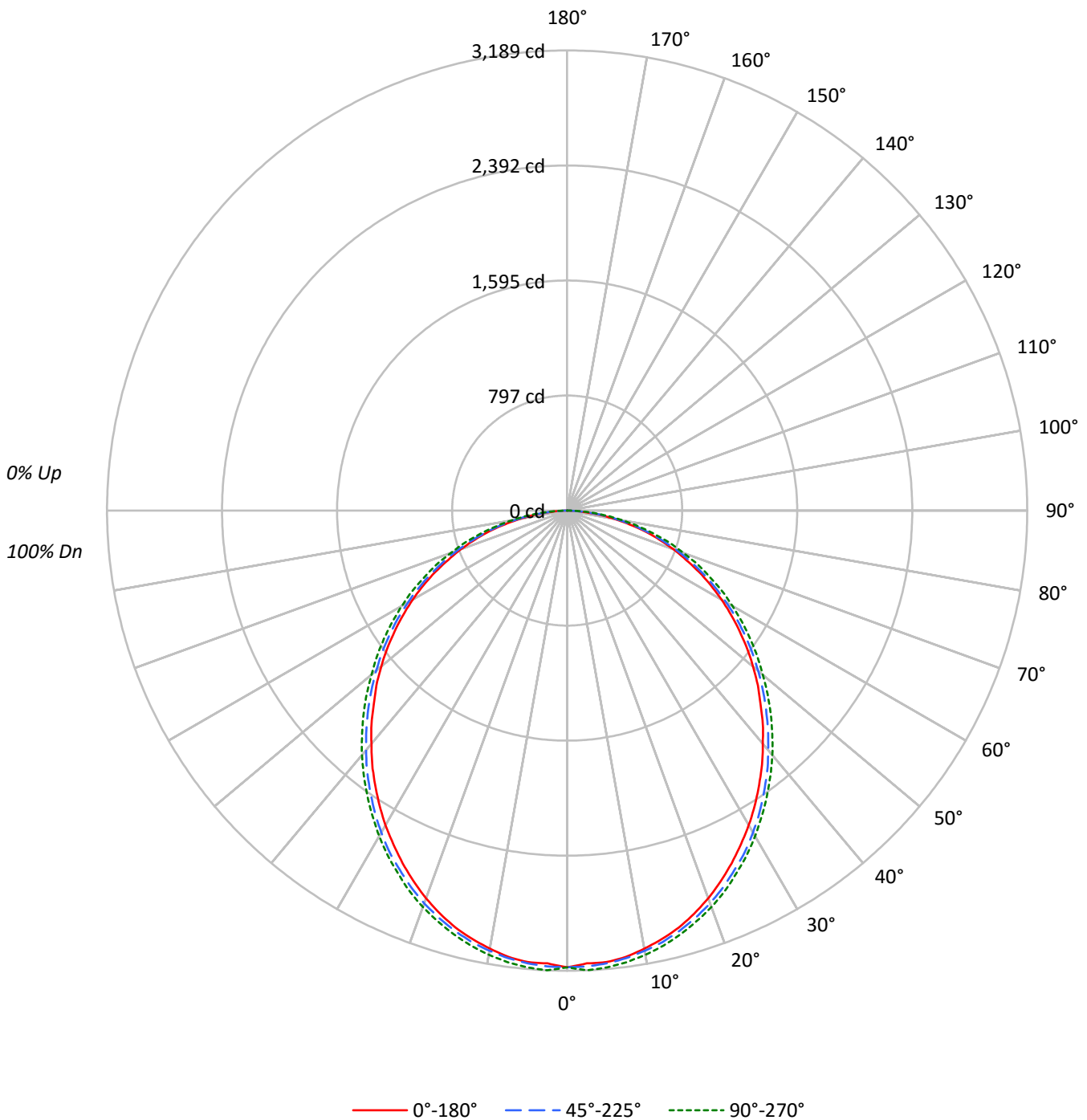
Input Watts (W): 93.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	34068	34068	34068
5°	33938	34030	34329
10°	33691	33860	34161
15°	33332	33581	33869
20°	32763	33177	33494
25°	32028	32620	32947
30°	31291	32019	32383
35°	30479	31249	31723
40°	29641	30463	31093
45°	28834	29673	30381
50°	28173	28923	29643
55°	27404	28211	29084
60°	26617	27433	28471
65°	25701	26578	27805
70°	24658	25470	26990
75°	23419	24134	25851
80°	20815	22098	24125
85°	15314	17438	21477



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	298.8	3.5
10°-20°	847.4	9.9
20°-30°	1258.4	14.7
30°-40°	1479.5	17.3
40°-50°	1499.9	17.5
50°-60°	1343.3	15.7
60°-70°	1036.1	12.1
70°-80°	619.1	7.2
80°-90°	170.5	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°	2404.6	28.1
0°-40°	3884.1	45.4
0°-60°	6727.3	78.7
0°-90°	8552.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8552.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3165	3165	3165	3165	3165	
5°	3141	3141	3150	3141	3177	298
15°	2991	2996	3014	3001	3039	842
25°	2697	2705	2747	2740	2774	1242
35°	2320	2328	2378	2385	2414	1451
45°	1894	1908	1949	1968	1996	1465
55°	1460	1467	1503	1531	1550	1306
65°	1009	1018	1044	1076	1092	998
75°	563	566	580	608	622	589
85°	124	126	141	167	174	150
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3165.0	3165.0	3165.0	3165.0	3165.0
2.5°	3140.9	3154.7	3161.6	3153.0	3189.1
5°	3140.9	3140.9	3149.5	3140.9	3177.1
7.5°	3120.3	3118.5	3128.9	3120.3	3156.4
10°	3082.4	3084.1	3097.9	3089.3	3125.4
12.5°	3041.1	3042.8	3061.7	3049.7	3087.5
15°	2991.1	2996.3	3013.5	3001.4	3039.3
17.5°	2929.1	2937.7	2958.4	2948.1	2984.2
20°	2860.2	2863.7	2896.4	2886.1	2924.0
22.5°	2781.0	2786.2	2825.8	2815.5	2855.1
25°	2696.7	2705.3	2746.6	2739.7	2774.1
27.5°	2607.1	2617.4	2667.4	2658.8	2694.9
30°	2517.6	2526.2	2576.1	2570.9	2605.4
32.5°	2421.1	2429.7	2481.4	2479.7	2510.7
35°	2319.5	2328.1	2378.1	2385.0	2414.2
37.5°	2219.7	2226.5	2278.2	2286.8	2314.4
40°	2109.5	2123.2	2168.0	2180.1	2212.8
42.5°	2007.9	2016.5	2059.5	2076.7	2104.3
45°	1894.2	1908.0	1949.3	1968.2	1995.8
47.5°	1792.6	1799.5	1839.1	1863.2	1883.9
50°	1682.4	1689.3	1727.2	1753.0	1770.2
52.5°	1572.2	1579.1	1617.0	1642.8	1661.7
55°	1460.3	1467.1	1503.3	1530.9	1549.8
57.5°	1348.3	1356.9	1389.7	1422.4	1436.1
60°	1236.4	1245.0	1274.3	1307.0	1322.5
62.5°	1122.7	1131.4	1158.9	1191.6	1212.3
65°	1009.1	1017.7	1043.5	1076.3	1091.7
67.5°	892.0	904.1	928.2	959.2	981.5
70°	783.5	790.4	809.3	838.6	857.6
72.5°	669.9	680.2	694.0	721.5	745.6
75°	563.1	566.5	580.3	607.9	621.6
77.5°	442.6	451.2	470.1	494.2	506.3
80°	335.8	339.2	356.5	380.6	389.2
82.5°	223.9	229.0	248.0	272.1	279.0
85°	124.0	125.7	141.2	167.0	173.9
87.5°	34.4	36.2	44.8	67.2	77.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)