

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: P303037

Luminaire Tested: **CTW-F-0100-50L930-UNV-STD-6**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P303037
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-6
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: 6196.6 lumens
Efficiency: N/A
Efficacy: 88.8 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.22 / 1.32
Luminous Opening: Rectangular (W 6' x L: 0.12' x H: 0')
CIE Type: Direct

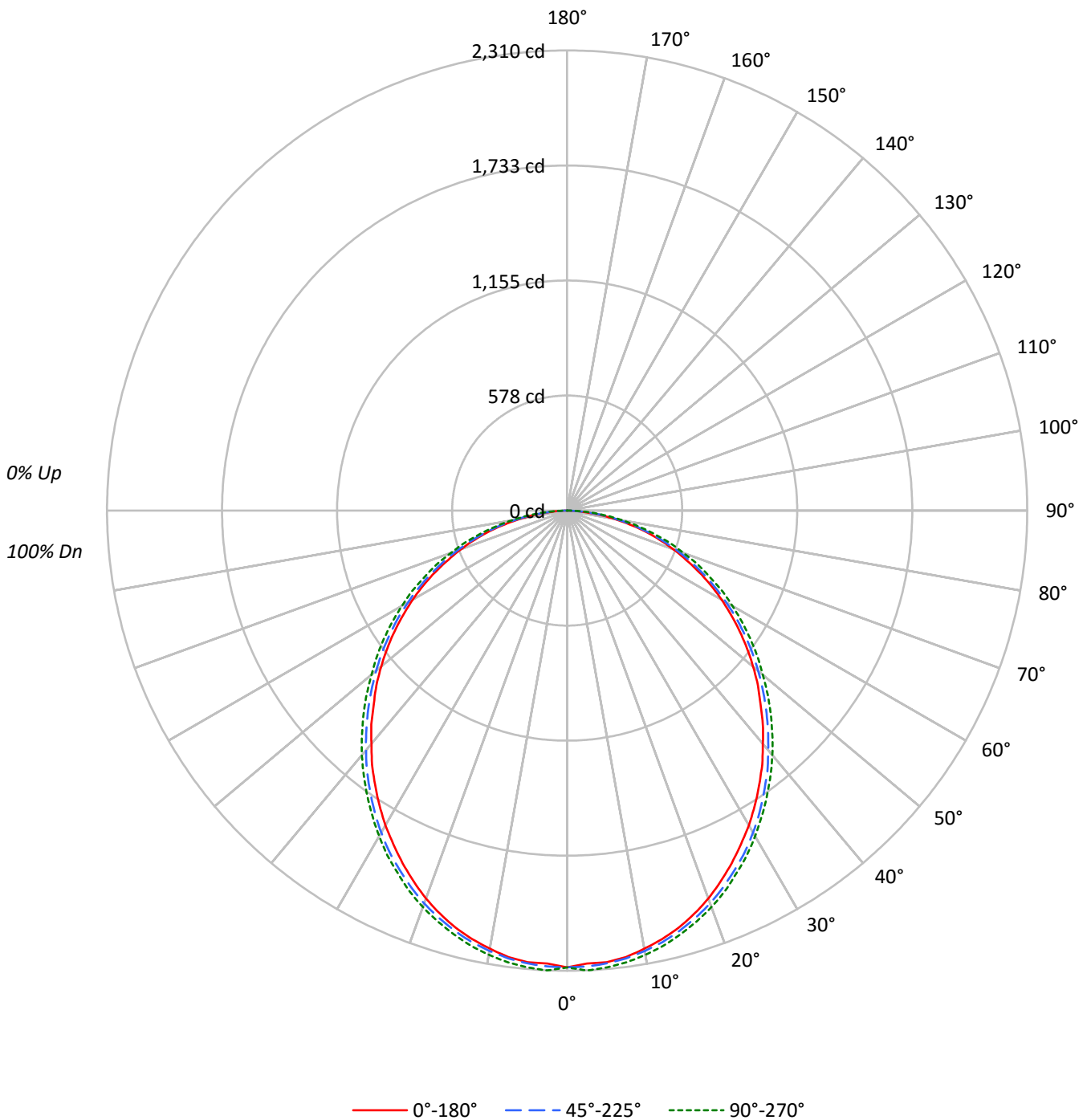
Input Watts (W): 69.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	32910	32910	32910
5°	32784	32875	33161
10°	32545	32708	33000
15°	32199	32440	32718
20°	31650	32050	32354
25°	30938	31511	31828
30°	30228	30930	31282
35°	29443	30186	30645
40°	28633	29427	30036
45°	27855	28665	29349
50°	27215	27938	28635
55°	26473	27254	28094
60°	25713	26499	27504
65°	24828	25673	26862
70°	23822	24607	26071
75°	22624	23312	24975
80°	20109	21348	23307
85°	14787	16846	20748



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	216.5	3.5
10°-20°	614.0	9.9
20°-30°	911.7	14.7
30°-40°	1071.9	17.3
40°-50°	1086.7	17.5
50°-60°	973.2	15.7
60°-70°	750.6	12.1
70°-80°	448.5	7.2
80°-90°	123.5	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°	1742.2	28.1
0°-40°	2814.1	45.4
0°-60°	4874.0	78.7
0°-90°	6196.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6196.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2293	2293	2293	2293	2293	
5°	2276	2276	2282	2276	2302	216
15°	2167	2171	2183	2175	2202	610
25°	1954	1960	1990	1985	2010	900
35°	1680	1687	1723	1728	1749	1052
45°	1372	1382	1412	1426	1446	1061
55°	1058	1063	1089	1109	1123	946
65°	731	737	756	780	791	723
75°	408	410	420	440	450	427
85°	90	91	102	121	126	108
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2293.1	2293.1	2293.1	2293.1	2293.1
2.5°	2275.6	2285.6	2290.6	2284.3	2310.5
5°	2275.6	2275.6	2281.9	2275.6	2301.8
7.5°	2260.6	2259.4	2266.9	2260.6	2286.8
10°	2233.2	2234.4	2244.4	2238.2	2264.4
12.5°	2203.3	2204.5	2218.2	2209.5	2236.9
15°	2167.1	2170.8	2183.3	2174.6	2202.0
17.5°	2122.2	2128.4	2143.4	2135.9	2162.1
20°	2072.3	2074.8	2098.5	2091.0	2118.4
22.5°	2014.9	2018.6	2047.3	2039.8	2068.5
25°	1953.7	1960.0	1989.9	1984.9	2009.9
27.5°	1888.9	1896.3	1932.5	1926.3	1952.5
30°	1824.0	1830.2	1866.4	1862.7	1887.6
32.5°	1754.1	1760.4	1797.8	1796.5	1819.0
35°	1680.5	1686.8	1722.9	1727.9	1749.1
37.5°	1608.2	1613.1	1650.6	1656.8	1676.8
40°	1528.3	1538.3	1570.7	1579.5	1603.2
42.5°	1454.7	1460.9	1492.1	1504.6	1524.6
45°	1372.4	1382.3	1412.3	1426.0	1446.0
47.5°	1298.7	1303.7	1332.4	1349.9	1364.9
50°	1218.9	1223.9	1251.3	1270.1	1282.5
52.5°	1139.1	1144.0	1171.5	1190.2	1203.9
55°	1058.0	1063.0	1089.2	1109.1	1122.8
57.5°	976.9	983.1	1006.8	1030.5	1040.5
60°	895.8	902.0	923.2	946.9	958.2
62.5°	813.4	819.7	839.6	863.3	878.3
65°	731.1	737.3	756.0	779.7	791.0
67.5°	646.3	655.0	672.5	694.9	711.1
70°	567.7	572.6	586.4	607.6	621.3
72.5°	485.3	492.8	502.8	522.7	540.2
75°	408.0	410.5	420.4	440.4	450.4
77.5°	320.6	326.9	340.6	358.1	366.8
80°	243.3	245.8	258.3	275.7	282.0
82.5°	162.2	165.9	179.7	197.1	202.1
85°	89.8	91.1	102.3	121.0	126.0
87.5°	25.0	26.2	32.4	48.7	56.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)