

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: P303026

Luminaire Tested: **CTW-F-0100-40L930-UNV-STD-8**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P303026
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-181-17)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: CTW-F-0100-40L930-UNV-STD-8
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE
0% UPLIGHT, 100% DOWNLIGHT, 4000 LUMEN PACKAGE
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6757.3 lumens
Efficiency: N/A
Efficacy: 91.9 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.23 / 1.32
Luminous Opening: Rectangular (W 8' x L: 0.12' x H: 0')
CIE Type: Direct

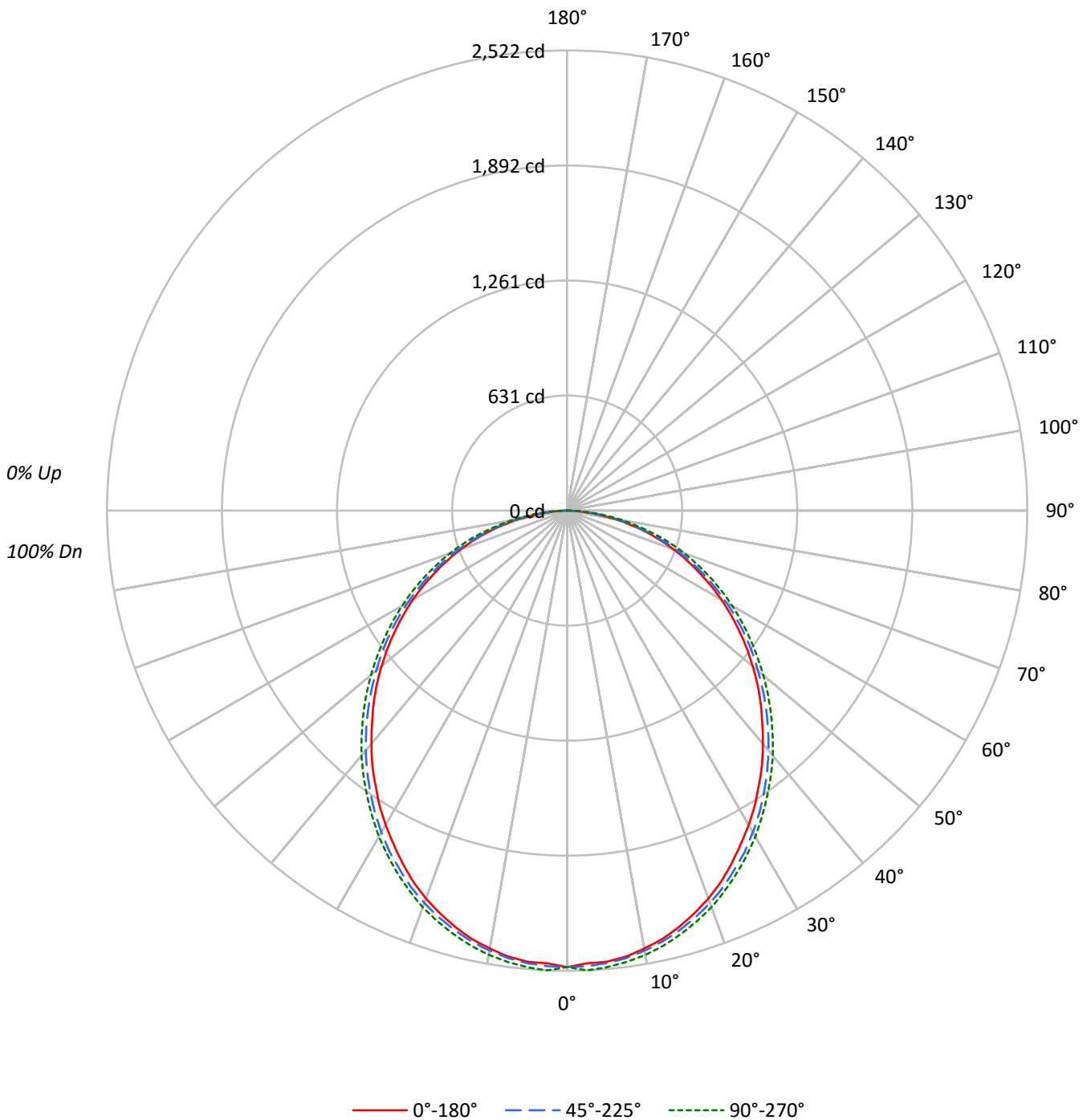
Input Watts (W): 73.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P303026

CATALOG NUMBER: CTW-F-0100-40L930-UNV-STD-8

Luminous Intensity Polar Plot





TEST NUMBER: P303026

CATALOG NUMBER: CTW-F-0100-40L930-UNV-STD-8

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	91	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	83	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°	26929	26929	26929
5°	26817	26907	27140
10°	26636	26763	27018
15°	26341	26526	26786
20°	25914	26219	26505
25°	25328	25782	26079
30°	24728	25307	25638
35°	24088	24722	25115
40°	23445	24122	24636
45°	22840	23473	24056
50°	22228	22870	23511
55°	21634	22321	22944
60°	21022	21702	22490
65°	20251	21015	21988
70°	19528	20208	21464
75°	18332	19164	20615
80°	16191	17425	19284
85°	11708	13770	17253



TEST NUMBER: P303026

CATALOG NUMBER: CTW-F-0100-40L930-UNV-STD-8

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	236.1	3.5
10°-20°	669.7	9.9
20°-30°	994.5	14.7
30°-40°	1169.2	17.3
40°-50°	1185.7	17.5
50°-60°	1061.5	15.7
60°-70°	818.6	12.1
70°-80°	488.4	7.2
80°-90°	133.6	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°	1900.3	28.1
0°-40°	3069.5	45.4
0°-60°	5316.7	78.7
0°-90°	6757.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6757.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2502	2502	2502	2502	2502	
5°	2482	2482	2490	2482	2512	235
15°	2364	2367	2380	2372	2404	666
25°	2133	2136	2171	2166	2196	982
35°	1833	1838	1881	1883	1911	1148
45°	1500	1505	1542	1559	1580	1158
55°	1153	1161	1189	1211	1223	1031
65°	795	804	825	848	863	788
75°	441	444	461	477	496	465
85°	95	98	112	130	140	116
90°	0	0	0	0	0	



TEST NUMBER: P303026

CATALOG NUMBER: CTW-F-0100-40L930-UNV-STD-8

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2501.8	2501.8	2501.8	2501.8	2501.8
2.5°	2483.6	2493.5	2498.5	2491.9	2521.8
5°	2481.9	2481.9	2490.2	2481.9	2511.8
7.5°	2465.3	2465.3	2473.6	2465.3	2495.2
10°	2437.0	2438.6	2448.6	2442.0	2471.9
12.5°	2405.4	2403.7	2418.7	2410.4	2442.0
15°	2363.8	2367.1	2380.4	2372.1	2403.7
17.5°	2315.5	2320.5	2337.2	2328.8	2360.5
20°	2262.3	2264.0	2288.9	2278.9	2313.9
22.5°	2202.4	2200.8	2234.0	2225.7	2255.7
25°	2132.6	2135.9	2170.8	2165.8	2195.8
27.5°	2061.0	2066.0	2107.6	2099.3	2130.9
30°	1989.5	1992.8	2036.1	2029.4	2062.7
32.5°	1914.6	1918.0	1961.2	1959.6	1987.8
35°	1833.1	1838.1	1881.4	1883.0	1911.3
37.5°	1755.0	1756.6	1799.9	1804.9	1833.1
40°	1668.5	1675.1	1716.7	1725.0	1753.3
42.5°	1583.6	1590.3	1630.2	1641.8	1666.8
45°	1500.4	1505.4	1542.0	1558.7	1580.3
47.5°	1415.6	1418.9	1453.9	1472.2	1492.1
50°	1327.4	1334.1	1365.7	1384.0	1404.0
52.5°	1240.9	1247.6	1279.2	1297.5	1312.5
55°	1152.8	1161.1	1189.4	1211.0	1222.6
57.5°	1064.6	1072.9	1099.5	1121.2	1134.5
60°	976.5	984.8	1008.1	1031.3	1044.7
62.5°	885.0	894.9	916.6	941.5	954.8
65°	795.1	803.5	825.1	848.4	863.3
67.5°	707.0	715.3	733.6	755.2	771.8
70°	620.5	625.5	642.1	663.7	682.0
72.5°	532.3	537.3	550.6	570.6	590.5
75°	440.8	444.1	460.8	477.4	495.7
77.5°	349.3	352.7	367.6	385.9	400.9
80°	261.2	266.2	281.1	297.8	311.1
82.5°	174.7	178.0	196.3	212.9	222.9
85°	94.8	98.1	111.5	129.8	139.7
87.5°	25.0	26.6	34.9	51.6	63.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)