

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: P303019

Luminaire Tested: **CTW-F-0100-40L840-UNV-STD-6**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P303019
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-0100-40L840-UNV-STD-6
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE
0% UPLIGHT, 100% DOWNLIGHT, 4000 LUMEN PACKAGE
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6210.5 lumens
Efficiency: N/A
Efficacy: 109.5 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.23 / 1.32
Luminous Opening: Rectangular (W 6' x L: 0.12' x H: 0')
CIE Type: Direct

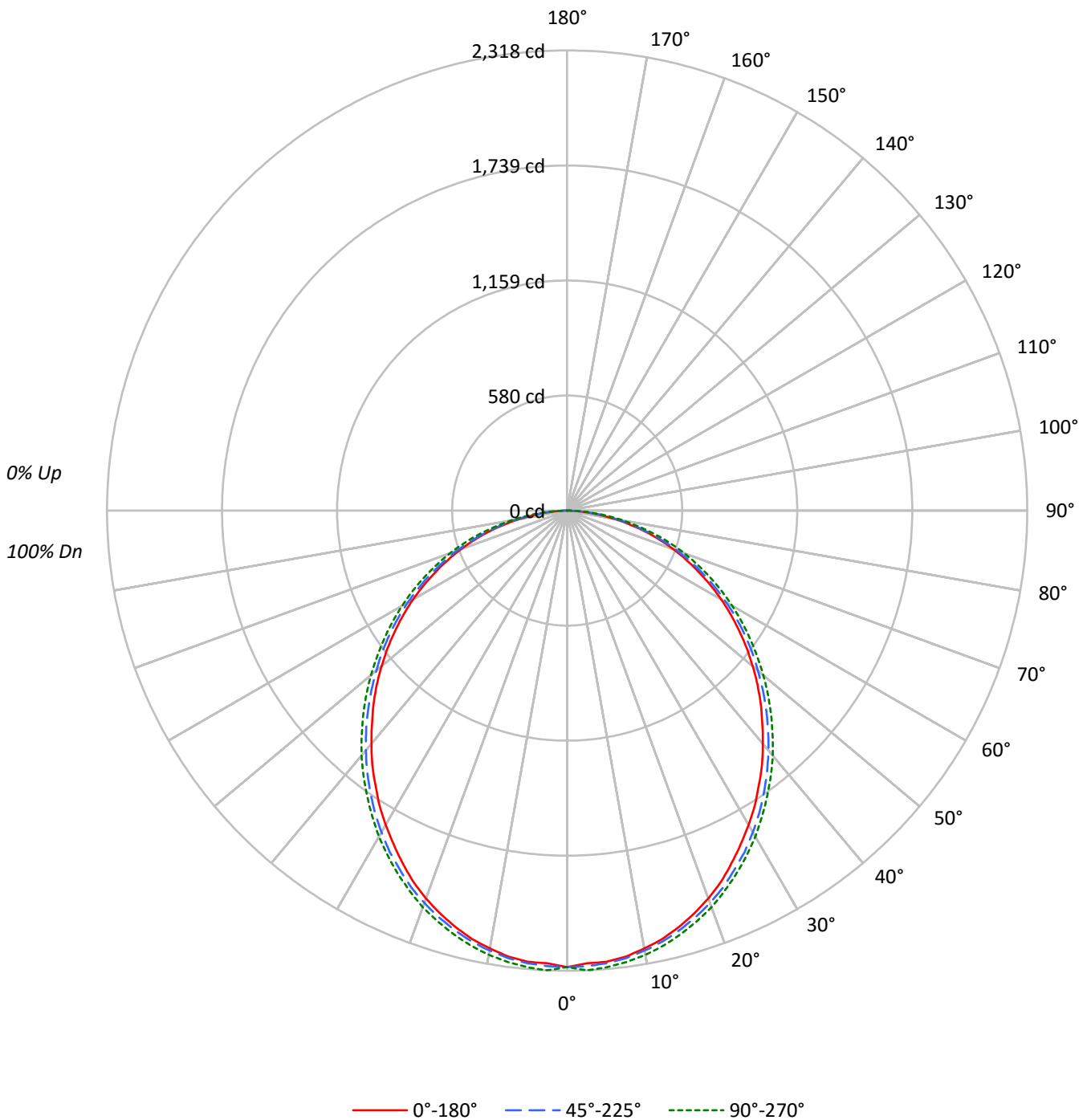
Input Watts (W): 56.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	33001	33001	33001
5°	32862	32973	33259
10°	32641	32797	33109
15°	32279	32507	32825
20°	31756	32130	32479
25°	31038	31594	31958
30°	30302	31011	31417
35°	29518	30295	30776
40°	28728	29560	30190
45°	27989	28764	29479
50°	27240	28026	28809
55°	26511	27351	28117
60°	25759	26594	27558
65°	24818	25751	26947
70°	23931	24762	26302
75°	22463	23484	25264
80°	19836	21357	23629
85°	14343	16862	21144



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	217.0	3.5
10°-20°	615.5	9.9
20°-30°	914.0	14.7
30°-40°	1074.5	17.3
40°-50°	1089.7	17.5
50°-60°	975.6	15.7
60°-70°	752.3	12.1
70°-80°	448.9	7.2
80°-90°	122.8	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°	1746.5	28.1
0°-40°	2821.1	45.4
0°-60°	4886.4	78.7
0°-90°	6210.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6210.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2299	2299	2299	2299	2299	
5°	2281	2281	2289	2281	2309	216
15°	2172	2176	2188	2180	2209	612
25°	1960	1963	1995	1991	2018	903
35°	1685	1689	1729	1731	1757	1055
45°	1379	1384	1417	1432	1452	1064
55°	1060	1067	1093	1113	1124	948
65°	731	738	758	780	794	724
75°	405	408	424	439	456	427
85°	87	90	102	119	128	106
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2299.4	2299.4	2299.4	2299.4	2299.4
2.5°	2282.6	2291.7	2296.3	2290.2	2317.7
5°	2281.0	2281.0	2288.7	2281.0	2308.6
7.5°	2265.8	2265.8	2273.4	2265.8	2293.3
10°	2239.8	2241.3	2250.5	2244.3	2271.9
12.5°	2210.7	2209.2	2222.9	2215.3	2244.3
15°	2172.5	2175.6	2187.8	2180.1	2209.2
17.5°	2128.2	2132.7	2148.0	2140.4	2169.4
20°	2079.2	2080.8	2103.7	2094.5	2126.6
22.5°	2024.2	2022.7	2053.2	2045.6	2073.1
25°	1960.0	1963.0	1995.1	1990.6	2018.1
27.5°	1894.2	1898.8	1937.0	1929.4	1958.5
30°	1828.5	1831.6	1871.3	1865.2	1895.8
32.5°	1759.7	1762.8	1802.5	1801.0	1827.0
35°	1684.8	1689.4	1729.1	1730.7	1756.6
37.5°	1612.9	1614.5	1654.2	1658.8	1684.8
40°	1533.4	1539.5	1577.8	1585.4	1611.4
42.5°	1455.5	1461.6	1498.3	1509.0	1531.9
45°	1379.0	1383.6	1417.2	1432.5	1452.4
47.5°	1301.0	1304.1	1336.2	1353.0	1371.4
50°	1220.0	1226.1	1255.2	1272.0	1290.3
52.5°	1140.5	1146.6	1175.7	1192.5	1206.3
55°	1059.5	1067.1	1093.1	1113.0	1123.7
57.5°	978.5	986.1	1010.6	1030.4	1042.7
60°	897.4	905.1	926.5	947.9	960.1
62.5°	813.3	822.5	842.4	865.3	877.6
65°	730.8	738.4	758.3	779.7	793.5
67.5°	649.8	657.4	674.2	694.1	709.4
70°	570.3	574.8	590.1	610.0	626.8
72.5°	489.2	493.8	506.0	524.4	542.7
75°	405.1	408.2	423.5	438.8	455.6
77.5°	321.1	324.1	337.9	354.7	368.5
80°	240.0	244.6	258.4	273.7	285.9
82.5°	160.5	163.6	180.4	195.7	204.9
85°	87.1	90.2	102.4	119.3	128.4
87.5°	22.9	24.5	32.1	47.4	58.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)