

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: P303025

Luminaire Tested: **CTW-F-0100-40L840-UNV-STD-8**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P303025
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-8
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: 8280.6 lumens
Efficiency: N/A
Efficacy: 112.7 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

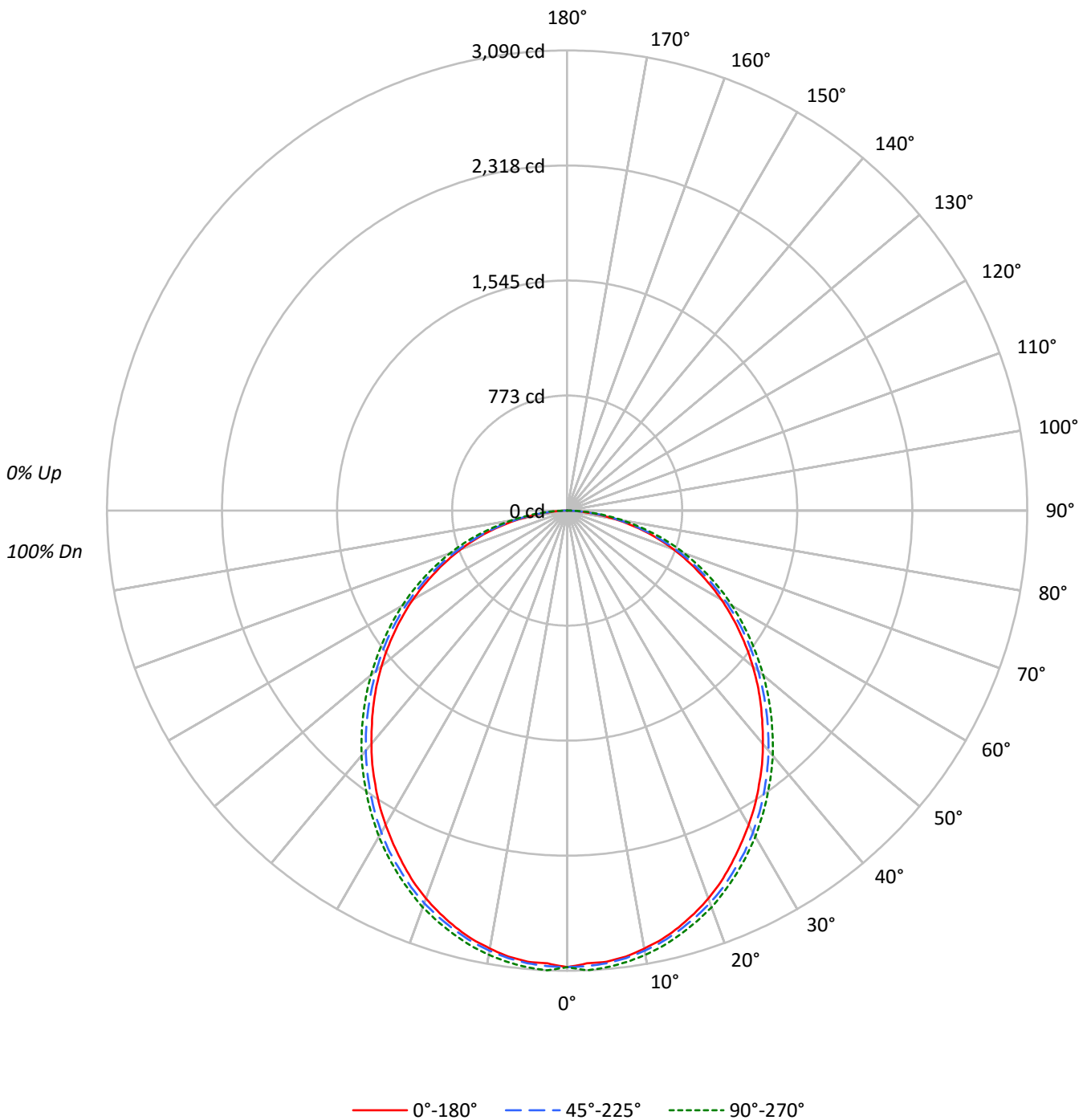
Input Watts (W): 73.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	33000	33000	33000
5°	32862	32973	33259
10°	32640	32796	33109
15°	32280	32506	32825
20°	31756	32129	32480
25°	31037	31594	31958
30°	30302	31012	31417
35°	29518	30295	30777
40°	28729	29560	30189
45°	27990	28766	29478
50°	27240	28026	28811
55°	26511	27352	28118
60°	25760	26593	27560
65°	24818	25752	26947
70°	23928	24762	26304
75°	22466	23485	25265
80°	19836	21354	23629
85°	14351	16870	21144



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	289.4	3.5
10°-20°	820.7	9.9
20°-30°	1218.6	14.7
30°-40°	1432.7	17.3
40°-50°	1453.0	17.5
50°-60°	1300.8	15.7
60°-70°	1003.1	12.1
70°-80°	598.6	7.2
80°-90°	163.8	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°	2328.7	28.1
0°-40°	3761.4	45.4
0°-60°	6515.2	78.7
0°-90°	8280.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8280.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3066	3066	3066	3066	3066	
5°	3041	3041	3052	3041	3078	289
15°	2897	2901	2917	2907	2946	816
25°	2613	2617	2660	2654	2691	1204
35°	2246	2252	2306	2308	2342	1406
45°	1839	1845	1890	1910	1936	1419
55°	1413	1423	1458	1484	1498	1263
65°	974	985	1011	1040	1058	966
75°	540	544	565	585	608	570
85°	116	120	137	159	171	142
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3065.8	3065.8	3065.8	3065.8	3065.8
2.5°	3043.4	3055.7	3061.8	3053.6	3090.3
5°	3041.4	3041.4	3051.6	3041.4	3078.1
7.5°	3021.0	3021.0	3031.2	3021.0	3057.7
10°	2986.3	2988.4	3000.6	2992.5	3029.2
12.5°	2947.6	2945.6	2963.9	2953.7	2992.5
15°	2896.7	2900.7	2917.0	2906.8	2945.6
17.5°	2837.5	2843.7	2864.0	2853.8	2892.6
20°	2772.3	2774.3	2804.9	2792.7	2835.5
22.5°	2698.9	2696.9	2737.7	2727.5	2764.2
25°	2613.3	2617.4	2660.2	2654.1	2690.8
27.5°	2525.7	2531.8	2582.7	2572.5	2611.3
30°	2438.0	2442.1	2495.1	2486.9	2527.7
32.5°	2346.3	2350.3	2403.3	2401.3	2436.0
35°	2246.4	2252.5	2305.5	2307.5	2342.2
37.5°	2150.6	2152.6	2205.6	2211.7	2246.4
40°	2044.6	2052.7	2103.7	2113.9	2148.5
42.5°	1940.6	1948.8	1997.7	2012.0	2042.5
45°	1838.7	1844.8	1889.7	1910.0	1936.5
47.5°	1734.7	1738.8	1781.6	1804.0	1828.5
50°	1626.7	1634.8	1673.6	1696.0	1720.5
52.5°	1520.7	1528.8	1567.6	1590.0	1608.3
55°	1412.7	1422.8	1457.5	1484.0	1498.3
57.5°	1304.6	1314.8	1347.4	1373.9	1390.2
60°	1196.6	1206.8	1235.3	1263.8	1280.2
62.5°	1084.5	1096.7	1123.2	1153.8	1170.1
65°	974.4	984.6	1011.1	1039.6	1058.0
67.5°	866.3	876.5	899.0	925.5	945.8
70°	760.3	766.5	786.8	813.3	835.8
72.5°	652.3	658.4	674.7	699.2	723.7
75°	540.2	544.3	564.7	585.0	607.5
77.5°	428.1	432.2	450.5	472.9	491.3
80°	320.0	326.2	344.5	364.9	381.2
82.5°	214.0	218.1	240.5	260.9	273.2
85°	116.2	120.3	136.6	159.0	171.2
87.5°	30.6	32.6	42.8	63.2	77.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)