

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: P303035

Luminaire Tested: **CTW-F-0100-50L835-UNV-STD-6**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P303035
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-0100-50L835-UNV-STD-6
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE
0% UPLIGHT, 100% DOWNLIGHT, 5000 LUMEN PACKAGE
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7450.3 lumens
Efficiency: N/A
Efficacy: 106.7 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

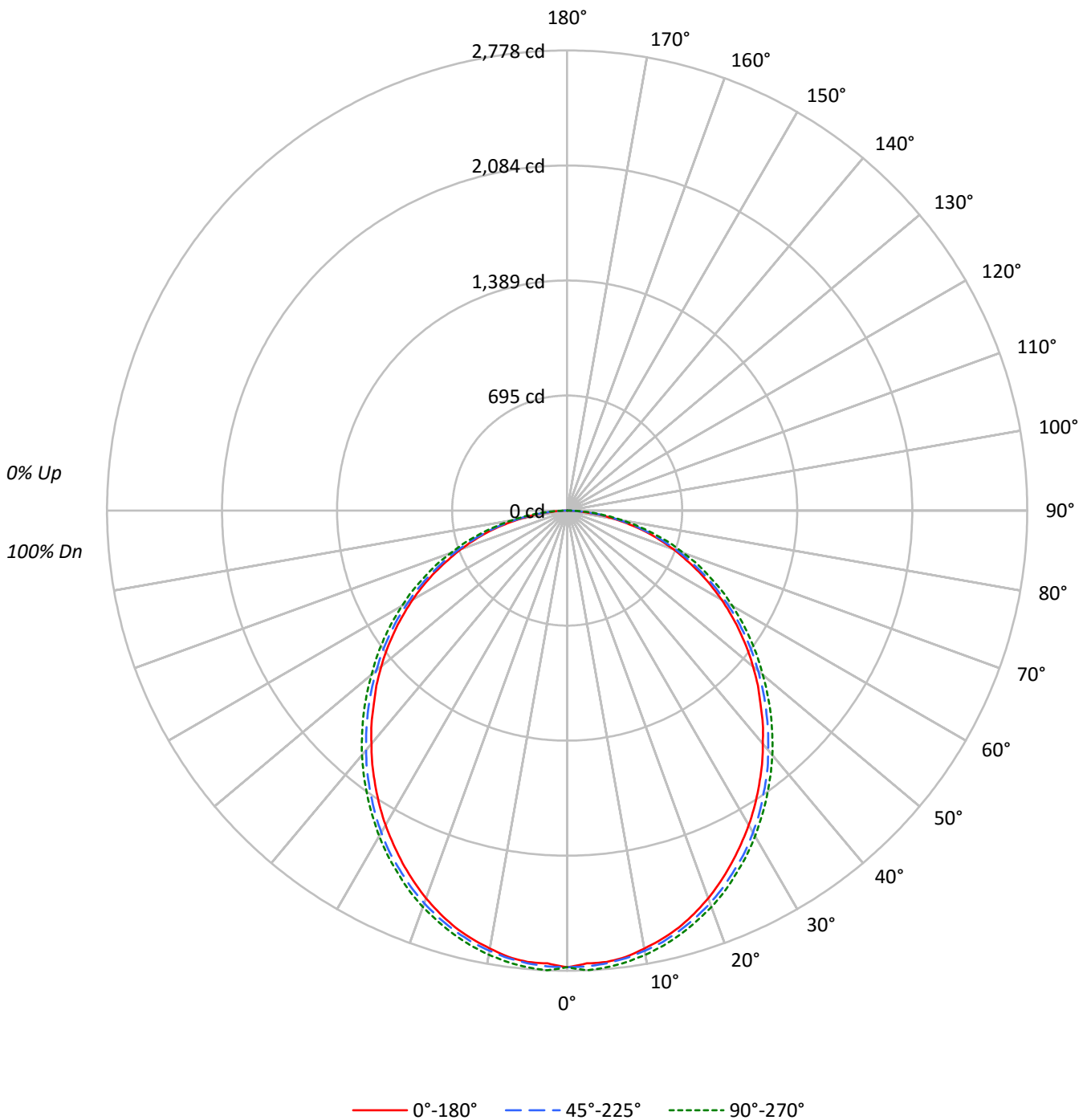
Input Watts (W): 69.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	39568	39568	39568
5°	39417	39525	39871
10°	39129	39326	39676
15°	38713	39003	39337
20°	38053	38534	38900
25°	37198	37887	38267
30°	36343	37188	37610
35°	35400	36294	36845
40°	34426	35381	36112
45°	33489	34464	35286
50°	32721	33592	34429
55°	31828	32766	33779
60°	30914	31861	33067
65°	29850	30869	32295
70°	28639	29583	31346
75°	27199	28031	30027
80°	24175	25663	28018
85°	17784	20254	24947



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	260.2	3.5
10°-20°	738.2	9.9
20°-30°	1096.2	14.7
30°-40°	1288.8	17.3
40°-50°	1306.6	17.5
50°-60°	1170.1	15.7
60°-70°	902.5	12.1
70°-80°	539.2	7.2
80°-90°	148.5	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°	2094.6	28.1
0°-40°	3383.4	45.4
0°-60°	5860.0	78.7
0°-90°	7450.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7450.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2757	2757	2757	2757	2757	
5°	2736	2736	2744	2736	2768	260
15°	2606	2610	2625	2614	2648	734
25°	2349	2356	2392	2386	2416	1082
35°	2020	2028	2072	2078	2103	1264
45°	1650	1662	1698	1714	1738	1276
55°	1272	1278	1310	1334	1350	1138
65°	879	886	909	938	951	869
75°	490	494	506	530	542	513
85°	108	110	123	146	152	130
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2757.0	2757.0	2757.0	2757.0	2757.0
2.5°	2736.0	2748.0	2754.0	2746.5	2778.0
5°	2736.0	2736.0	2743.5	2736.0	2767.5
7.5°	2718.0	2716.5	2725.5	2718.0	2749.5
10°	2685.0	2686.5	2698.5	2691.0	2722.5
12.5°	2649.0	2650.5	2667.0	2656.5	2689.5
15°	2605.5	2610.0	2625.0	2614.5	2647.5
17.5°	2551.5	2559.0	2577.0	2568.0	2599.5
20°	2491.5	2494.5	2523.0	2514.0	2547.0
22.5°	2422.5	2427.0	2461.5	2452.5	2487.0
25°	2349.0	2356.5	2392.5	2386.5	2416.5
27.5°	2271.0	2280.0	2323.5	2316.0	2347.5
30°	2193.0	2200.5	2244.0	2239.5	2269.5
32.5°	2109.0	2116.5	2161.5	2160.0	2187.0
35°	2020.5	2028.0	2071.5	2077.5	2103.0
37.5°	1933.5	1939.5	1984.5	1992.0	2016.0
40°	1837.5	1849.5	1888.5	1899.0	1927.5
42.5°	1749.0	1756.5	1794.0	1809.0	1833.0
45°	1650.0	1662.0	1698.0	1714.5	1738.5
47.5°	1561.5	1567.5	1602.0	1623.0	1641.0
50°	1465.5	1471.5	1504.5	1527.0	1542.0
52.5°	1369.5	1375.5	1408.5	1431.0	1447.5
55°	1272.0	1278.0	1309.5	1333.5	1350.0
57.5°	1174.5	1182.0	1210.5	1239.0	1251.0
60°	1077.0	1084.5	1110.0	1138.5	1152.0
62.5°	978.0	985.5	1009.5	1038.0	1056.0
65°	879.0	886.5	909.0	937.5	951.0
67.5°	777.0	787.5	808.5	835.5	855.0
70°	682.5	688.5	705.0	730.5	747.0
72.5°	583.5	592.5	604.5	628.5	649.5
75°	490.5	493.5	505.5	529.5	541.5
77.5°	385.5	393.0	409.5	430.5	441.0
80°	292.5	295.5	310.5	331.5	339.0
82.5°	195.0	199.5	216.0	237.0	243.0
85°	108.0	109.5	123.0	145.5	151.5
87.5°	30.0	31.5	39.0	58.5	67.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)