

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: P303034

Luminaire Tested: **CTW-F-0100-50L830-UNV-STD-6**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P303034
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-0100-50L830-UNV-STD-6
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE
0% UPLIGHT, 100% DOWNLIGHT, 5000 LUMEN PACKAGE
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

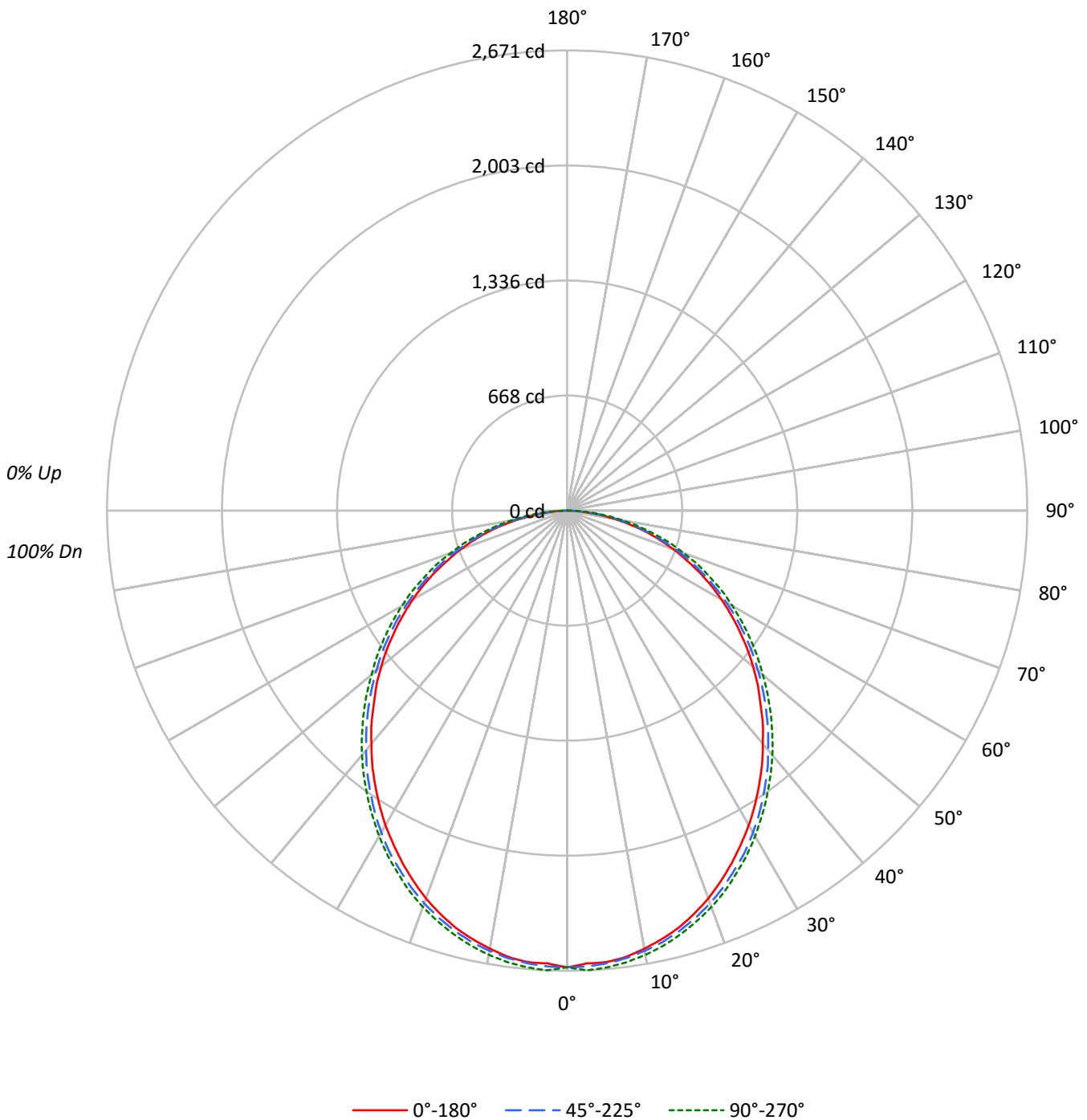
Lumens per Lamp: N/A
Luminaire Lumens: 7163.7 lumens
Efficiency: N/A
Efficacy: 102.6 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.22 / 1.32
Luminous Opening: Rectangular (W 6' x L: 0.12' x H: 0')
CIE Type: Direct

Input Watts (W): 69.8
Input Voltage (V): 120
Input Current (A_{in}): 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°	38047	38047	38047
5°	37901	38005	38338
10°	37624	37813	38150
15°	37224	37502	37824
20°	36589	37052	37403
25°	35768	36430	36795
30°	34946	35758	36164
35°	34039	34897	35428
40°	33101	34021	34724
45°	32201	33138	33928
50°	31462	32299	33105
55°	30604	31505	32481
60°	29726	30636	31795
65°	28703	29681	31053
70°	27540	28446	30141
75°	26151	26955	28874
80°	23249	24679	26944
85°	17093	19480	23992



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	250.2	3.5
10°-20°	709.8	9.9
20°-30°	1054.0	14.7
30°-40°	1239.2	17.3
40°-50°	1256.3	17.5
50°-60°	1125.1	15.7
60°-70°	867.8	12.1
70°-80°	518.5	7.2
80°-90°	142.8	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°	2014.1	28.1
0°-40°	3253.3	45.4
0°-60°	5634.7	78.7
0°-90°	7163.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7163.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2651	2651	2651	2651	2651	
5°	2631	2631	2638	2631	2661	250
15°	2505	2510	2524	2514	2546	706
25°	2259	2266	2300	2295	2324	1040
35°	1943	1950	1992	1998	2022	1216
45°	1586	1598	1633	1649	1672	1227
55°	1223	1229	1259	1282	1298	1094
65°	845	852	874	901	914	836
75°	472	474	486	509	521	494
85°	104	105	118	140	146	125
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2651.0	2651.0	2651.0	2651.0	2651.0
2.5°	2630.8	2642.3	2648.1	2640.9	2671.2
5°	2630.8	2630.8	2638.0	2630.8	2661.1
7.5°	2613.5	2612.0	2620.7	2613.5	2643.8
10°	2581.7	2583.2	2594.7	2587.5	2617.8
12.5°	2547.1	2548.6	2564.4	2554.3	2586.1
15°	2505.3	2509.6	2524.0	2513.9	2545.7
17.5°	2453.4	2460.6	2477.9	2469.2	2499.5
20°	2395.7	2398.6	2426.0	2417.3	2449.0
22.5°	2329.3	2333.7	2366.8	2358.2	2391.3
25°	2258.7	2265.9	2300.5	2294.7	2323.6
27.5°	2183.7	2192.3	2234.1	2226.9	2257.2
30°	2108.7	2115.9	2157.7	2153.4	2182.2
32.5°	2027.9	2035.1	2078.4	2076.9	2102.9
35°	1942.8	1950.0	1991.8	1997.6	2022.1
37.5°	1859.1	1864.9	1908.2	1915.4	1938.5
40°	1766.8	1778.4	1815.9	1826.0	1853.4
42.5°	1681.7	1688.9	1725.0	1739.4	1762.5
45°	1586.5	1598.1	1632.7	1648.6	1671.6
47.5°	1501.4	1507.2	1540.4	1560.6	1577.9
50°	1409.1	1414.9	1446.6	1468.3	1482.7
52.5°	1316.8	1322.6	1354.3	1376.0	1391.8
55°	1223.1	1228.8	1259.1	1282.2	1298.1
57.5°	1129.3	1136.5	1163.9	1191.3	1202.9
60°	1035.6	1042.8	1067.3	1094.7	1107.7
62.5°	940.4	947.6	970.7	998.1	1015.4
65°	845.2	852.4	874.0	901.4	914.4
67.5°	747.1	757.2	777.4	803.4	822.1
70°	656.3	662.0	677.9	702.4	718.3
72.5°	561.1	569.7	581.3	604.3	624.5
75°	471.6	474.5	486.1	509.1	520.7
77.5°	370.7	377.9	393.8	413.9	424.0
80°	281.3	284.1	298.6	318.8	326.0
82.5°	187.5	191.8	207.7	227.9	233.7
85°	103.8	105.3	118.3	139.9	145.7
87.5°	28.8	30.3	37.5	56.3	64.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)