

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: P303040

Luminaire Tested: **CTW-F-0100-50L830-UNV-STD-8**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P303040
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-8
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

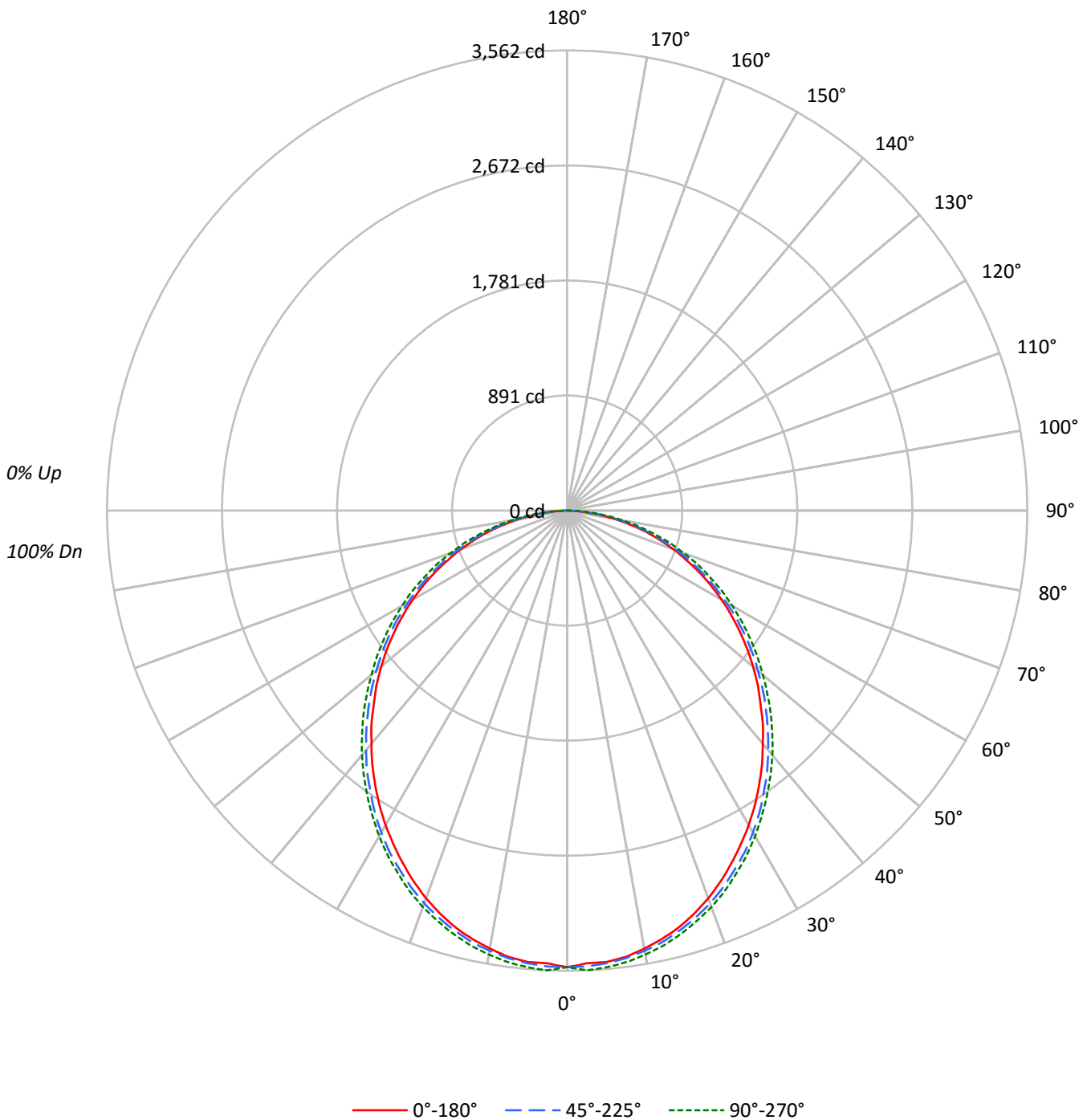
Lumens per Lamp: N/A
Luminaire Lumens: 9551.6 lumens
Efficiency: N/A
Efficacy: 102.3 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.22 / 1.32
Luminous Opening: Rectangular (W 8' x L: 0.12' x H: 0')
CIE Type: Direct

Input Watts (W): 93.4
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°	38046	38046	38046
5°	37901	38005	38337
10°	37624	37813	38150
15°	37224	37503	37824
20°	36589	37051	37404
25°	35767	36429	36795
30°	34944	35757	36164
35°	34039	34898	35429
40°	33102	34021	34724
45°	32202	33138	33928
50°	31462	32299	33105
55°	30604	31505	32481
60°	29726	30636	31794
65°	28702	29682	31053
70°	27538	28444	30140
75°	26151	26954	28871
80°	23245	24677	26940
85°	17105	19476	23984



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	333.6	3.5
10°-20°	946.4	9.9
20°-30°	1405.4	14.7
30°-40°	1652.3	17.3
40°-50°	1675.1	17.5
50°-60°	1500.1	15.7
60°-70°	1157.1	12.1
70°-80°	691.3	7.2
80°-90°	190.3	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°	2685.4	28.1
0°-40°	4337.7	45.4
0°-60°	7512.9	78.7
0°-90°	9551.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9551.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3535	3535	3535	3535	3535	
5°	3508	3508	3517	3508	3548	333
15°	3340	3346	3365	3352	3394	941
25°	3012	3021	3067	3060	3098	1387
35°	2590	2600	2656	2664	2696	1621
45°	2115	2131	2177	2198	2229	1636
55°	1631	1638	1679	1710	1731	1459
65°	1127	1136	1165	1202	1219	1115
75°	629	633	648	679	694	658
85°	138	140	158	186	194	167
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3534.6	3534.6	3534.6	3534.6	3534.6
2.5°	3507.7	3523.1	3530.8	3521.2	3561.5
5°	3507.7	3507.7	3517.3	3507.7	3548.1
7.5°	3484.6	3482.7	3494.2	3484.6	3525.0
10°	3442.3	3444.2	3459.6	3450.0	3490.4
12.5°	3396.2	3398.1	3419.2	3405.8	3448.1
15°	3340.4	3346.2	3365.4	3351.9	3394.2
17.5°	3271.2	3280.8	3303.8	3292.3	3332.7
20°	3194.2	3198.1	3234.6	3223.1	3265.4
22.5°	3105.8	3111.5	3155.8	3144.2	3188.5
25°	3011.5	3021.2	3067.3	3059.6	3098.1
27.5°	2911.5	2923.1	2978.8	2969.2	3009.6
30°	2811.5	2821.2	2876.9	2871.2	2909.6
32.5°	2703.8	2713.5	2771.2	2769.2	2803.8
35°	2590.4	2600.0	2655.8	2663.5	2696.2
37.5°	2478.8	2486.5	2544.2	2553.8	2584.6
40°	2355.8	2371.2	2421.2	2434.6	2471.2
42.5°	2242.3	2251.9	2300.0	2319.2	2350.0
45°	2115.4	2130.8	2176.9	2198.1	2228.8
47.5°	2001.9	2009.6	2053.8	2080.8	2103.8
50°	1878.8	1886.5	1928.8	1957.7	1976.9
52.5°	1755.8	1763.5	1805.8	1834.6	1855.8
55°	1630.8	1638.5	1678.8	1709.6	1730.8
57.5°	1505.8	1515.4	1551.9	1588.5	1603.8
60°	1380.8	1390.4	1423.1	1459.6	1476.9
62.5°	1253.8	1263.5	1294.2	1330.8	1353.8
65°	1126.9	1136.5	1165.4	1201.9	1219.2
67.5°	996.2	1009.6	1036.5	1071.2	1096.2
70°	875.0	882.7	903.8	936.5	957.7
72.5°	748.1	759.6	775.0	805.8	832.7
75°	628.8	632.7	648.1	678.8	694.2
77.5°	494.2	503.8	525.0	551.9	565.4
80°	375.0	378.8	398.1	425.0	434.6
82.5°	250.0	255.8	276.9	303.8	311.5
85°	138.5	140.4	157.7	186.5	194.2
87.5°	38.5	40.4	50.0	75.0	86.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)