

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: P303030

Luminaire Tested: **CTW-F-0100-50L840-UNV-STD-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P303030
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-0100-50L840-UNV-STD-4
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE
0% UPLIGHT, 100% DOWNLIGHT, 5000 LUMEN PACKAGE
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

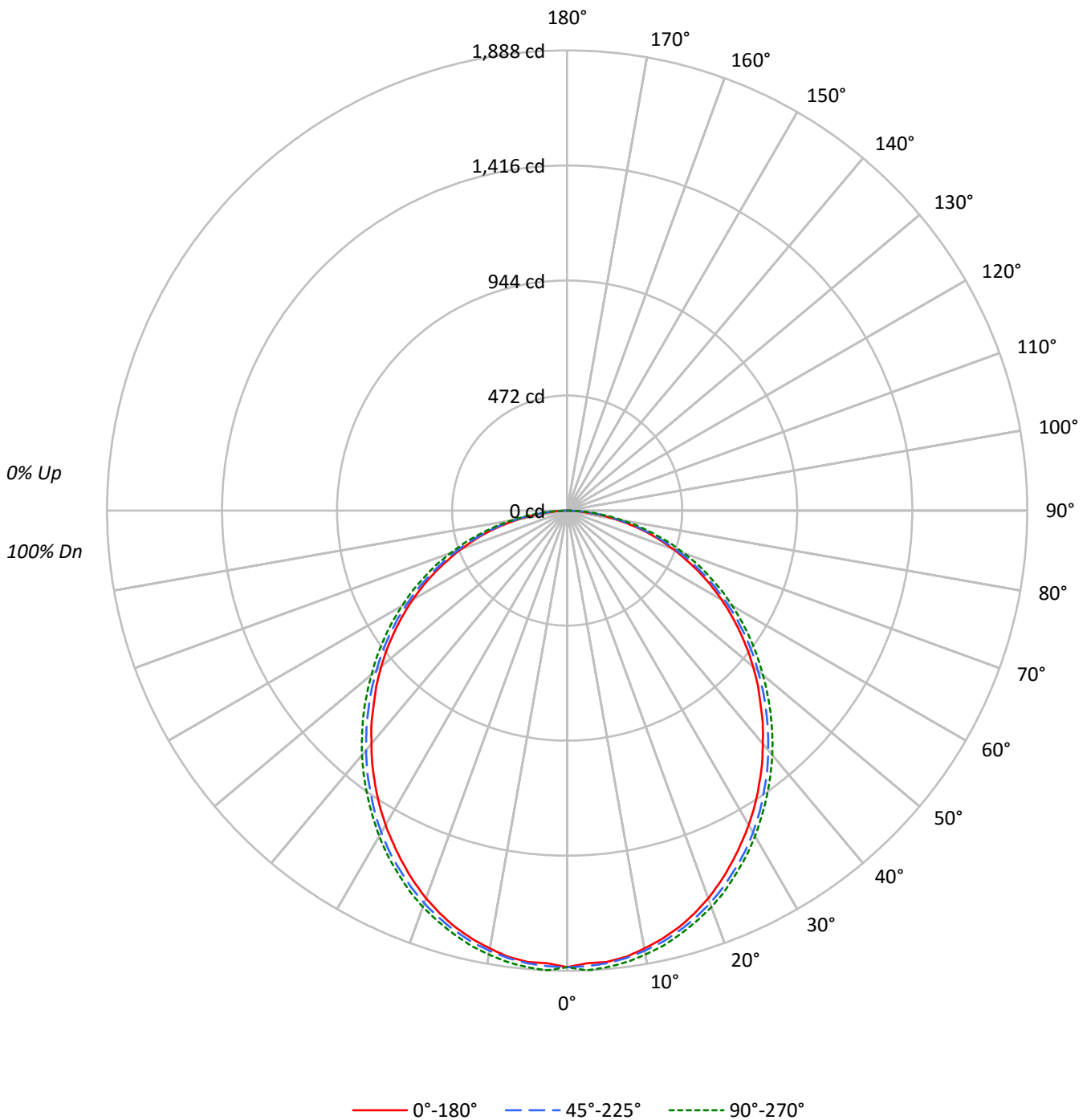
Lumens per Lamp: N/A
Luminaire Lumens: 5062.4 lumens
Efficiency: N/A
Efficacy: 107.0 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.22 / 1.32
Luminous Opening: Rectangular (W 4' x L: 0.12' x H: 0')
CIE Type: Direct

Input Watts (W): 47.3
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°	40328	40328	40328
5°	40175	40285	40638
10°	39881	40082	40439
15°	39457	39754	40093
20°	38783	39274	39649
25°	37913	38616	39003
30°	37041	37904	38334
35°	36081	36993	37555
40°	35089	36061	36806
45°	34135	35127	35965
50°	33351	34238	35092
55°	32439	33397	34429
60°	31508	32473	33704
65°	30426	31465	32917
70°	29193	30150	31950
75°	27723	28571	30601
80°	24646	26158	28551
85°	18130	20650	25417



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.8	3.5
10°-20°	501.6	9.9
20°-30°	744.9	14.7
30°-40°	875.7	17.3
40°-50°	887.8	17.5
50°-60°	795.1	15.7
60°-70°	613.3	12.1
70°-80°	366.4	7.2
80°-90°	100.9	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°	1423.3	28.1
0°-40°	2299.0	45.4
0°-60°	3981.8	78.7
0°-90°	5062.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5062.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1873	1873	1873	1873	1873	
5°	1859	1859	1864	1859	1880	176
15°	1770	1774	1784	1776	1799	499
25°	1596	1601	1626	1622	1642	735
35°	1373	1378	1408	1412	1429	859
45°	1121	1129	1154	1165	1181	867
55°	864	868	890	906	917	773
65°	597	602	618	637	646	591
75°	333	335	344	360	368	349
85°	73	74	84	99	103	89
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1873.3	1873.3	1873.3	1873.3	1873.3
2.5°	1859.1	1867.2	1871.3	1866.2	1887.6
5°	1859.1	1859.1	1864.2	1859.1	1880.5
7.5°	1846.8	1845.8	1851.9	1846.8	1868.3
10°	1824.4	1825.4	1833.6	1828.5	1849.9
12.5°	1800.0	1801.0	1812.2	1805.1	1827.5
15°	1770.4	1773.5	1783.7	1776.5	1798.9
17.5°	1733.7	1738.8	1751.0	1744.9	1766.3
20°	1692.9	1695.0	1714.3	1708.2	1730.7
22.5°	1646.1	1649.1	1672.6	1666.4	1689.9
25°	1596.1	1601.2	1625.7	1621.6	1642.0
27.5°	1543.1	1549.2	1578.8	1573.7	1595.1
30°	1490.1	1495.2	1524.8	1521.7	1542.1
32.5°	1433.0	1438.1	1468.7	1467.7	1486.0
35°	1372.9	1378.0	1407.6	1411.6	1429.0
37.5°	1313.8	1317.9	1348.4	1353.5	1369.8
40°	1248.6	1256.7	1283.2	1290.3	1309.7
42.5°	1188.4	1193.5	1219.0	1229.2	1245.5
45°	1121.2	1129.3	1153.8	1165.0	1181.3
47.5°	1061.0	1065.1	1088.5	1102.8	1115.0
50°	995.8	999.9	1022.3	1037.6	1047.8
52.5°	930.6	934.6	957.1	972.3	983.6
55°	864.3	868.4	889.8	906.1	917.3
57.5°	798.1	803.2	822.5	841.9	850.0
60°	731.8	736.9	754.2	773.6	782.8
62.5°	664.5	669.6	685.9	705.3	717.5
65°	597.3	602.4	617.7	637.0	646.2
67.5°	528.0	535.1	549.4	567.7	581.0
70°	463.8	467.8	479.0	496.4	507.6
72.5°	396.5	402.6	410.8	427.1	441.3
75°	333.3	335.3	343.5	359.8	367.9
77.5°	261.9	267.0	278.3	292.5	299.7
80°	198.8	200.8	211.0	225.3	230.3
82.5°	132.5	135.6	146.8	161.0	165.1
85°	73.4	74.4	83.6	98.9	102.9
87.5°	20.4	21.4	26.5	39.8	45.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)