

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: P303029

Luminaire Tested: **CTW-F-0100-50L830-UNV-STD-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P303029
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-4
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

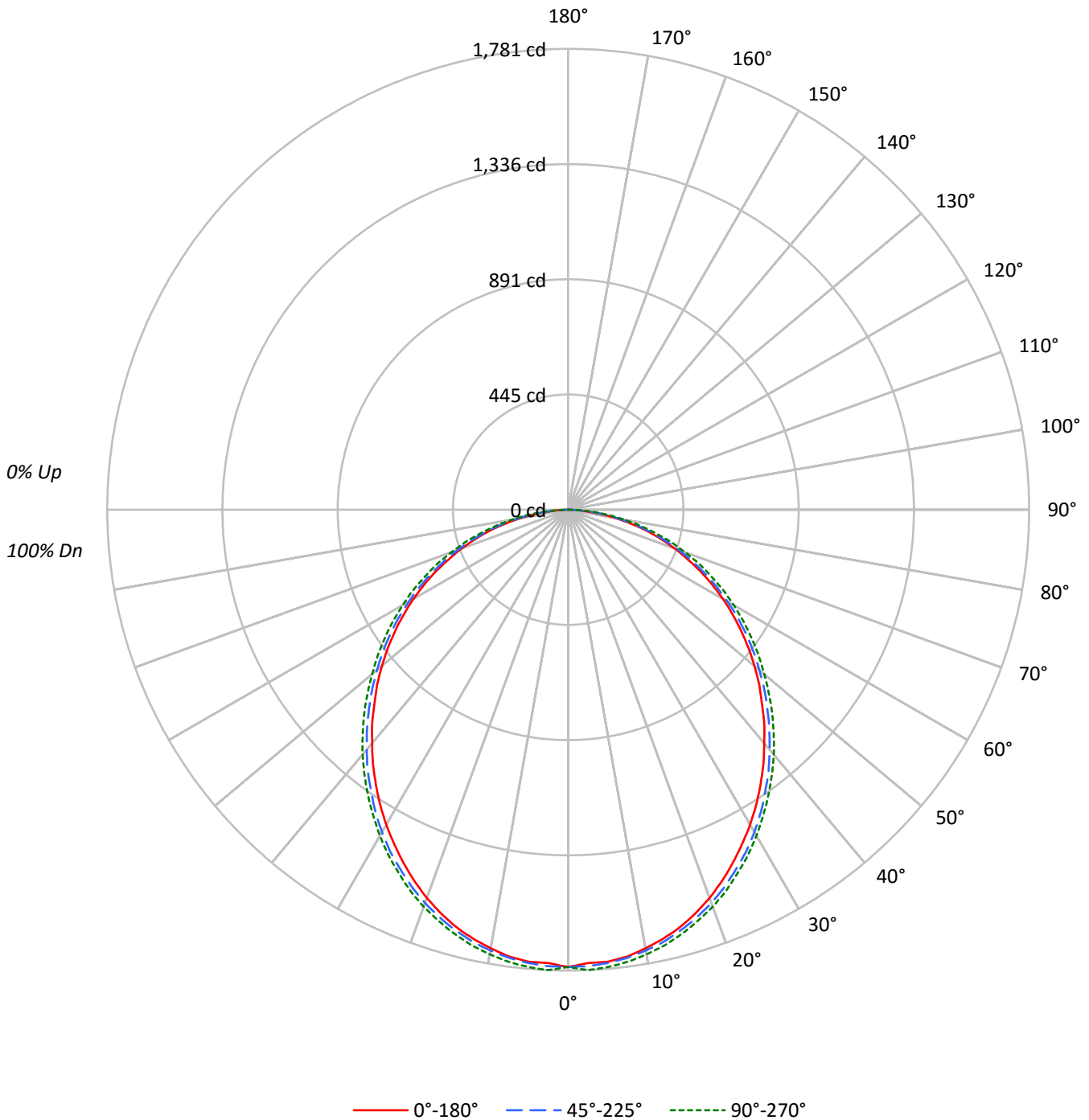
Lumens per Lamp: N/A
Luminaire Lumens: 4775.8 lumens
Efficiency: N/A
Efficacy: 101.0 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.22 / 1.32
Luminous Opening: Rectangular (W 4' x L: 0.12' x H: 0')
CIE Type: Direct

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°	38046	38046	38046
5°	37900	38006	38336
10°	37625	37813	38150
15°	37224	37503	37824
20°	36589	37051	37404
25°	35768	36430	36794
30°	34946	35759	36164
35°	34039	34898	35429
40°	33102	34021	34724
45°	32202	33139	33928
50°	31462	32299	33106
55°	30604	31505	32481
60°	29726	30634	31797
65°	28704	29682	31053
70°	27538	28444	30137
75°	26151	26949	28871
80°	23245	24671	26940
85°	17093	19464	23984



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	166.8	3.5
10°-20°	473.2	9.9
20°-30°	702.7	14.7
30°-40°	826.1	17.3
40°-50°	837.5	17.5
50°-60°	750.1	15.7
60°-70°	578.5	12.1
70°-80°	345.7	7.2
80°-90°	95.2	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°	1342.7	28.1
0°-40°	2168.8	45.4
0°-60°	3756.4	78.7
0°-90°	4775.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4775.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1767	1767	1767	1767	1767	
5°	1754	1754	1759	1754	1774	166
15°	1670	1673	1683	1676	1697	470
25°	1506	1511	1534	1530	1549	694
35°	1295	1300	1328	1332	1348	810
45°	1058	1065	1088	1099	1114	818
55°	815	819	839	855	865	729
65°	564	568	583	601	610	557
75°	314	316	324	339	347	329
85°	69	70	79	93	97	84
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1767.3	1767.3	1767.3	1767.3	1767.3
2.5°	1753.8	1761.5	1765.4	1760.6	1780.8
5°	1753.8	1753.8	1758.7	1753.8	1774.0
7.5°	1742.3	1741.3	1747.1	1742.3	1762.5
10°	1721.2	1722.1	1729.8	1725.0	1745.2
12.5°	1698.1	1699.0	1709.6	1702.9	1724.0
15°	1670.2	1673.1	1682.7	1676.0	1697.1
17.5°	1635.6	1640.4	1651.9	1646.2	1666.3
20°	1597.1	1599.0	1617.3	1611.5	1632.7
22.5°	1552.9	1555.8	1577.9	1572.1	1594.2
25°	1505.8	1510.6	1533.7	1529.8	1549.0
27.5°	1455.8	1461.5	1489.4	1484.6	1504.8
30°	1405.8	1410.6	1438.5	1435.6	1454.8
32.5°	1351.9	1356.7	1385.6	1384.6	1401.9
35°	1295.2	1300.0	1327.9	1331.7	1348.1
37.5°	1239.4	1243.3	1272.1	1276.9	1292.3
40°	1177.9	1185.6	1210.6	1217.3	1235.6
42.5°	1121.2	1126.0	1150.0	1159.6	1175.0
45°	1057.7	1065.4	1088.5	1099.0	1114.4
47.5°	1001.0	1004.8	1026.9	1040.4	1051.9
50°	939.4	943.3	964.4	978.8	988.5
52.5°	877.9	881.7	902.9	917.3	927.9
55°	815.4	819.2	839.4	854.8	865.4
57.5°	752.9	757.7	776.0	794.2	801.9
60°	690.4	695.2	711.5	729.8	738.5
62.5°	626.9	631.7	647.1	665.4	676.9
65°	563.5	568.3	582.7	601.0	609.6
67.5°	498.1	504.8	518.3	535.6	548.1
70°	437.5	441.3	451.9	468.3	478.8
72.5°	374.0	379.8	387.5	402.9	416.3
75°	314.4	316.3	324.0	339.4	347.1
77.5°	247.1	251.9	262.5	276.0	282.7
80°	187.5	189.4	199.0	212.5	217.3
82.5°	125.0	127.9	138.5	151.9	155.8
85°	69.2	70.2	78.8	93.3	97.1
87.5°	19.2	20.2	25.0	37.5	43.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)