

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: P303009

Luminaire Tested: **CTW-F-0100-30L930-UNV-STD-8**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P303009
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-181-16)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: CTW-F-0100-30L930-UNV-STD-8
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE
0% UPLIGHT, 100% DOWNLIGHT, 3000 LUMEN PACKAGE
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5002.1 lumens
Efficiency: N/A
Efficacy: 91.1 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.23 / 1.32
Luminous Opening: Rectangular (W 8' x L: 0.12' x H: 0')
CIE Type: Direct

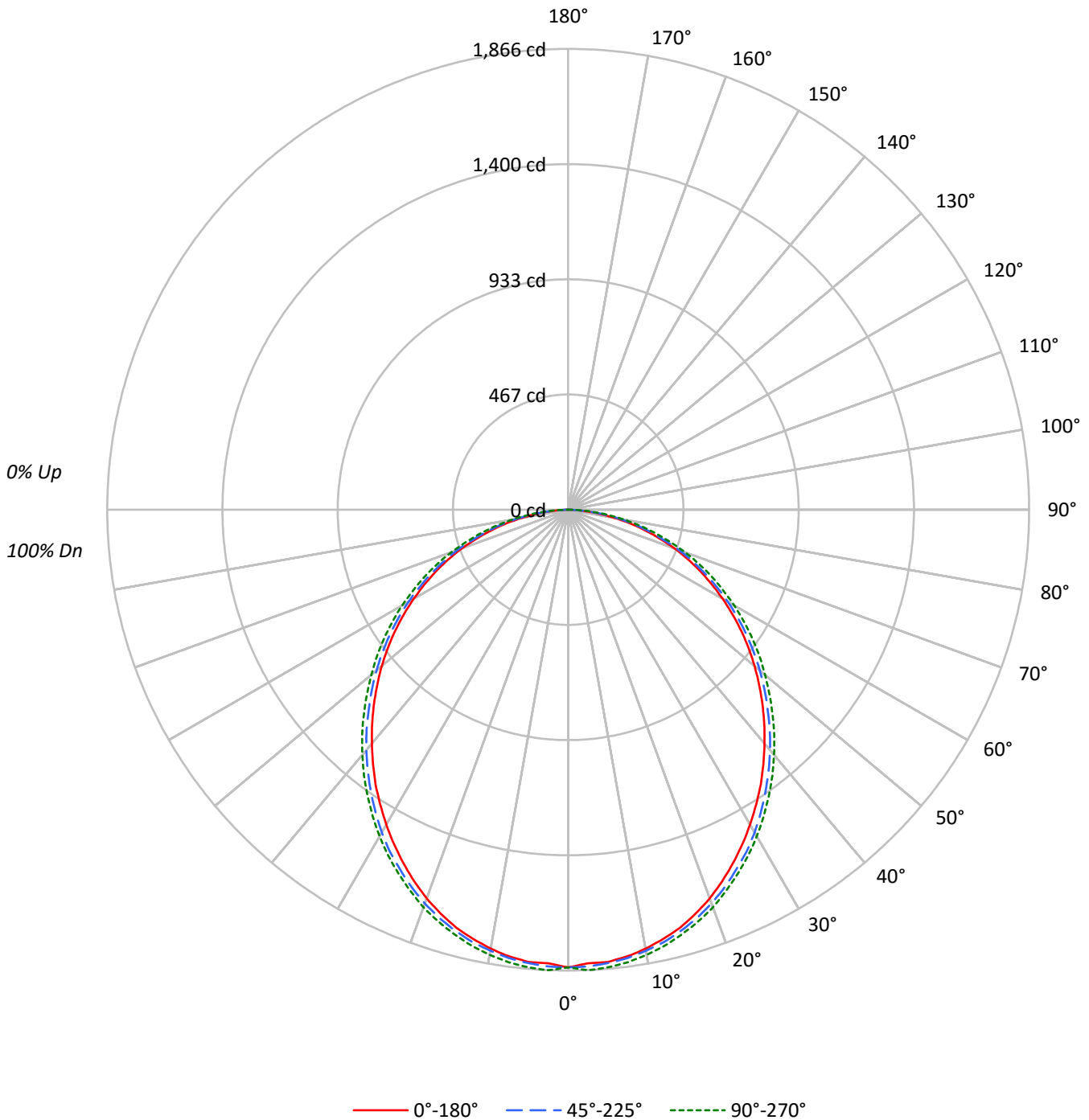
Input Watts (W): 54.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	91	84	78	96	89	82	77	85	80	75	82	77	73	79	75	72	70
3	90	80	71	65	88	78	70	64	75	68	63	72	67	62	70	65	61	59
4	83	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	42	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°	19947	19947	19947
5°	19861	19915	20095
10°	19727	19818	20000
15°	19519	19667	19835
20°	19188	19435	19627
25°	18749	19105	19302
30°	18298	18753	18980
35°	17858	18295	18601
40°	17367	17858	18208
45°	16915	17370	17801
50°	16491	16963	17410
55°	16045	16514	17075
60°	15541	16079	16723
65°	15040	15549	16311
70°	14398	15025	15811
75°	13350	14111	15080
80°	11753	12992	14127
85°	8423	9855	12733



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.9	3.5
10°-20°	496.2	9.9
20°-30°	736.7	14.7
30°-40°	865.9	17.3
40°-50°	878.4	17.6
50°-60°	786.1	15.7
60°-70°	605.9	12.1
70°-80°	359.9	7.2
80°-90°	98.1	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°	1407.8	28.1
0°-40°	2273.7	45.5
0°-60°	3938.2	78.7
0°-90°	5002.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5002.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1853	1853	1853	1853	1853	
5°	1838	1838	1843	1838	1860	174
15°	1752	1755	1765	1758	1780	493
25°	1579	1580	1609	1604	1625	727
35°	1359	1362	1392	1394	1416	849
45°	1111	1116	1141	1154	1169	858
55°	855	858	880	895	910	764
65°	590	596	610	627	640	584
75°	321	328	339	351	363	340
85°	68	70	80	98	103	83
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1853.1	1853.1	1853.1	1853.1	1853.1
2.5°	1838.1	1846.4	1851.4	1846.4	1866.4
5°	1838.1	1838.1	1843.1	1838.1	1859.8
7.5°	1824.8	1824.8	1831.5	1826.5	1848.1
10°	1804.9	1806.5	1813.2	1808.2	1829.8
12.5°	1779.9	1781.6	1793.2	1784.9	1808.2
15°	1751.6	1755.0	1764.9	1758.3	1779.9
17.5°	1715.0	1720.0	1733.3	1725.0	1748.3
20°	1675.1	1676.8	1696.7	1690.1	1713.4
22.5°	1628.5	1628.5	1655.1	1648.5	1670.1
25°	1578.6	1580.3	1608.6	1603.6	1625.2
27.5°	1527.1	1532.0	1562.0	1557.0	1578.6
30°	1472.2	1477.2	1508.8	1505.4	1527.1
32.5°	1415.6	1420.6	1452.2	1450.5	1472.2
35°	1359.0	1362.4	1392.3	1394.0	1415.6
37.5°	1297.5	1302.5	1332.4	1337.4	1357.4
40°	1236.0	1242.6	1270.9	1277.5	1295.8
42.5°	1174.4	1179.4	1207.7	1216.0	1234.3
45°	1111.2	1116.2	1141.1	1154.4	1169.4
47.5°	1048.0	1053.0	1077.9	1087.9	1104.5
50°	984.8	988.1	1013.0	1026.4	1039.7
52.5°	919.9	924.9	946.5	959.8	976.5
55°	855.0	858.3	880.0	894.9	909.9
57.5°	788.5	793.5	813.4	830.1	843.4
60°	721.9	726.9	746.9	761.9	776.8
62.5°	655.4	662.1	678.7	697.0	707.0
65°	590.5	595.5	610.5	627.1	640.4
67.5°	524.0	529.0	542.3	558.9	572.2
70°	457.5	462.4	477.4	490.7	502.4
72.5°	387.6	392.6	404.2	419.2	430.8
75°	321.0	327.7	339.3	351.0	362.6
77.5°	256.2	262.8	274.5	287.8	294.4
80°	189.6	196.3	209.6	221.2	227.9
82.5°	126.4	129.8	144.7	159.7	164.7
85°	68.2	69.9	79.8	98.1	103.1
87.5°	16.6	18.3	25.0	38.3	44.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)