

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: P302997

Luminaire Tested: **CTW-F-0100-30L930-UNV-STD-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302997
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-4
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: 2501.1 lumens
Efficiency: N/A
Efficacy: 91.6 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.23 / 1.32
Luminous Opening: Rectangular (W 4' x L: 0.12' x H: 0')
CIE Type: Direct

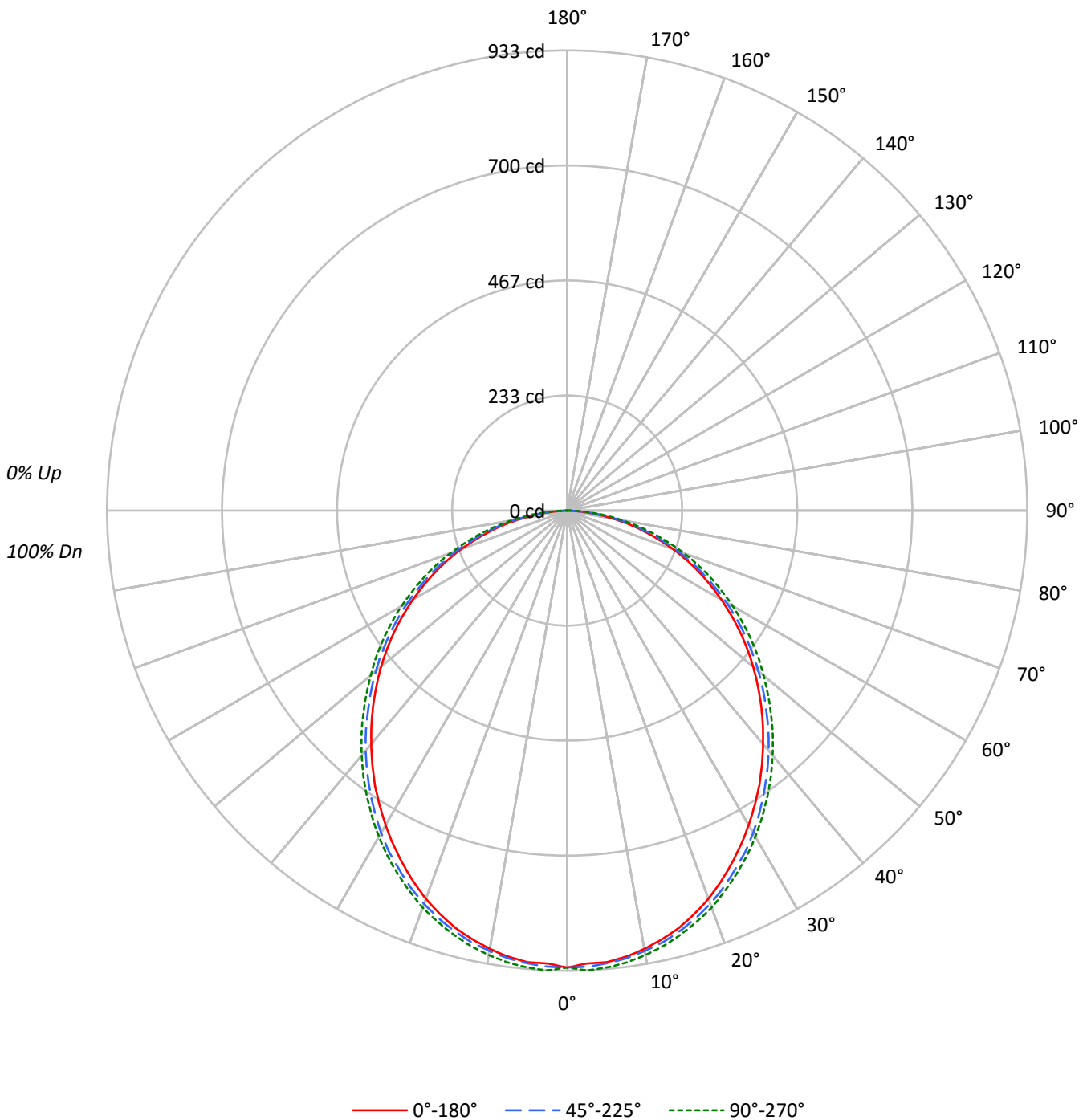
Input Watts (W): 27.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	19946	19946	19946
5°	19862	19916	20095
10°	19726	19818	20000
15°	19519	19668	19836
20°	19189	19436	19627
25°	18749	19105	19302
30°	18298	18753	18979
35°	17858	18297	18601
40°	17367	17856	18208
45°	16915	17372	17801
50°	16491	16963	17409
55°	16045	16514	17077
60°	15543	16077	16723
65°	15042	15547	16311
70°	14395	15025	15811
75°	13350	14115	15080
80°	11753	12992	14121
85°	8423	9855	12745



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.4	3.5
10°-20°	248.1	9.9
20°-30°	368.3	14.7
30°-40°	433.0	17.3
40°-50°	439.2	17.6
50°-60°	393.1	15.7
60°-70°	302.9	12.1
70°-80°	179.9	7.2
80°-90°	49.1	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°	703.9	28.1
0°-40°	1136.8	45.5
0°-60°	1969.1	78.7
0°-90°	2501.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2501.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	926	926	926	926	926	
5°	919	919	922	919	930	87
15°	876	878	882	879	890	247
25°	789	790	804	802	813	364
35°	680	681	696	697	708	425
45°	556	558	571	577	585	429
55°	428	429	440	448	455	382
65°	295	298	305	314	320	292
75°	160	164	170	176	181	170
85°	34	35	40	49	52	42
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	926.5	926.5	926.5	926.5	926.5
2.5°	919.1	923.2	925.7	923.2	933.2
5°	919.1	919.1	921.6	919.1	929.9
7.5°	912.4	912.4	915.7	913.2	924.1
10°	902.4	903.3	906.6	904.1	914.9
12.5°	890.0	890.8	896.6	892.4	904.1
15°	875.8	877.5	882.5	879.1	890.0
17.5°	857.5	860.0	866.7	862.5	874.1
20°	837.6	838.4	848.4	845.0	856.7
22.5°	814.3	814.3	827.6	824.2	835.1
25°	789.3	790.1	804.3	801.8	812.6
27.5°	763.5	766.0	781.0	778.5	789.3
30°	736.1	738.6	754.4	752.7	763.5
32.5°	707.8	710.3	726.1	725.3	736.1
35°	679.5	681.2	696.2	697.0	707.8
37.5°	648.8	651.2	666.2	668.7	678.7
40°	618.0	621.3	635.4	638.8	647.9
42.5°	587.2	589.7	603.8	608.0	617.1
45°	555.6	558.1	570.6	577.2	584.7
47.5°	524.0	526.5	539.0	544.0	552.3
50°	492.4	494.0	506.5	513.2	519.8
52.5°	459.9	462.4	473.3	479.9	488.2
55°	427.5	429.2	440.0	447.5	455.0
57.5°	394.2	396.7	406.7	415.0	421.7
60°	361.0	363.5	373.4	380.9	388.4
62.5°	327.7	331.0	339.3	348.5	353.5
65°	295.3	297.8	305.2	313.6	320.2
67.5°	262.0	264.5	271.1	279.5	286.1
70°	228.7	231.2	238.7	245.4	251.2
72.5°	193.8	196.3	202.1	209.6	215.4
75°	160.5	163.9	169.7	175.5	181.3
77.5°	128.1	131.4	137.2	143.9	147.2
80°	94.8	98.1	104.8	110.6	113.9
82.5°	63.2	64.9	72.4	79.8	82.3
85°	34.1	34.9	39.9	49.1	51.6
87.5°	8.3	9.1	12.5	19.1	22.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)