

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: P302981

Luminaire Tested: **CTW-F-0100-20L935-UNV-STD-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302981
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-181-15)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: CTW-F-0100-20L935-UNV-STD-4
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE
0% UPLIGHT, 100% DOWNLIGHT, 2000 LUMEN PACKAGE
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

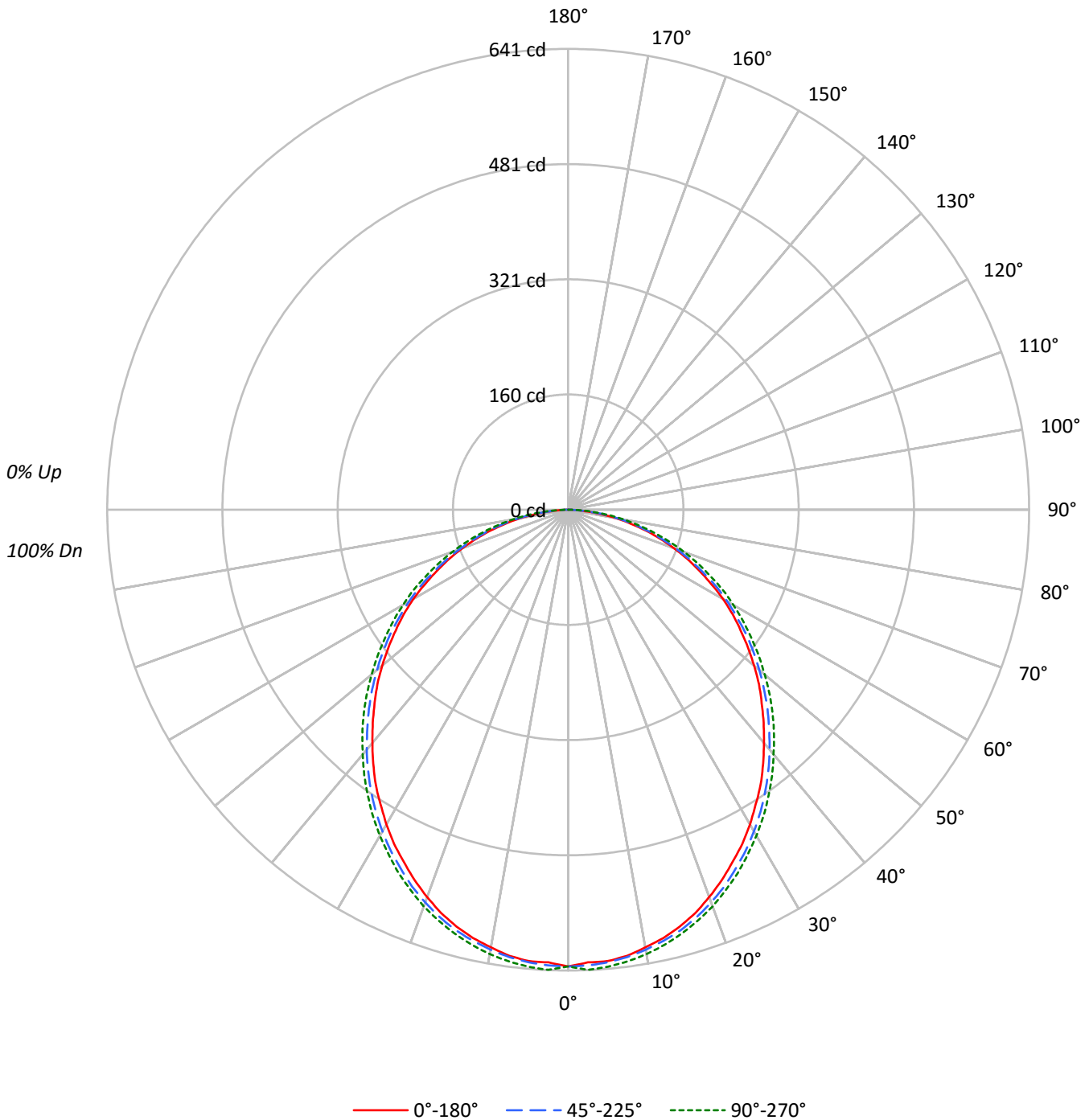
Lumens per Lamp: N/A
Luminaire Lumens: 1713.9 lumens
Efficiency: N/A
Efficacy: 96.3 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.23 / 1.32
Luminous Opening: Rectangular (W 4' x L: 0.12' x H: 0')
CIE Type: Direct

Input Watts (W): 17.8
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	71	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	47	41	52	46	41	51	45	40	38
7	65	52	43	37	63	51	42	37	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	30	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°	13679	13679	13679
5°	13621	13658	13787
10°	13514	13588	13721
15°	13375	13490	13604
20°	13136	13315	13452
25°	12843	13088	13252
30°	12563	12842	13013
35°	12265	12560	12762
40°	11904	12244	12486
45°	11587	11928	12242
50°	11303	11622	11940
55°	10986	11342	11665
60°	10712	11009	11418
65°	10264	10570	11095
70°	9863	10134	10782
75°	9241	9599	10314
80°	8219	8753	9720
85°	5730	6817	8719



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.0	3.5
10°-20°	170.1	9.9
20°-30°	252.5	14.7
30°-40°	296.9	17.3
40°-50°	301.2	17.6
50°-60°	269.5	15.7
60°-70°	206.7	12.1
70°-80°	123.1	7.2
80°-90°	33.9	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°	482.6	28.2
0°-40°	779.5	45.5
0°-60°	1350.2	78.8
0°-90°	1713.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1713.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	635	635	635	635	635	
5°	630	630	632	630	638	60
15°	600	602	605	603	610	169
25°	541	542	551	550	558	249
35°	467	467	478	478	486	291
45°	381	382	392	396	402	294
55°	293	294	302	307	311	262
65°	202	202	208	213	218	200
75°	111	112	115	120	124	117
85°	23	25	28	34	35	29
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	635.4	635.4	635.4	635.4	635.4
2.5°	630.3	633.7	634.6	632.8	640.6
5°	630.3	630.3	632.0	630.3	638.0
7.5°	625.9	625.9	627.7	625.9	633.7
10°	618.2	619.1	621.6	619.9	627.7
12.5°	610.4	610.4	613.9	612.2	619.9
15°	600.1	601.8	605.3	602.7	610.4
17.5°	588.1	589.8	594.1	592.4	599.3
20°	573.4	575.1	581.2	579.5	587.2
22.5°	557.9	558.8	567.4	564.8	572.6
25°	540.7	542.4	551.0	550.2	557.9
27.5°	524.3	525.2	534.7	533.0	540.7
30°	505.4	507.1	516.6	516.6	523.5
32.5°	485.6	487.3	497.7	497.7	505.4
35°	466.7	466.7	477.9	477.9	485.6
37.5°	445.1	446.0	457.2	458.1	465.8
40°	423.6	425.3	435.7	438.2	444.3
42.5°	402.1	404.7	413.3	417.6	423.6
45°	380.6	382.3	391.8	396.1	402.1
47.5°	359.9	360.8	369.4	373.7	379.7
50°	337.5	338.4	347.0	351.3	356.5
52.5°	315.1	316.8	324.6	329.8	334.1
55°	292.7	294.5	302.2	307.4	310.8
57.5°	271.2	272.1	278.1	284.1	288.4
60°	248.8	249.7	255.7	261.7	265.2
62.5°	224.7	226.4	232.5	238.5	242.8
65°	201.5	202.3	207.5	212.7	217.8
67.5°	179.1	179.9	184.3	190.3	194.6
70°	156.7	157.6	161.0	166.2	171.3
72.5°	133.5	134.3	137.8	143.8	147.2
75°	111.1	111.9	115.4	120.5	124.0
77.5°	88.7	90.4	93.0	99.0	100.7
80°	66.3	68.0	70.6	76.6	78.4
82.5°	43.9	45.6	49.9	54.2	56.0
85°	23.2	25.0	27.6	33.6	35.3
87.5°	6.0	6.0	8.6	13.8	15.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)