

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: P302978

Luminaire Tested: **CTW-F-0100-20L830-UNV-STD-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302978
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-0100-20L830-UNV-STD-4
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE
0% UPLIGHT, 100% DOWNLIGHT, 2000 LUMEN PACKAGE
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

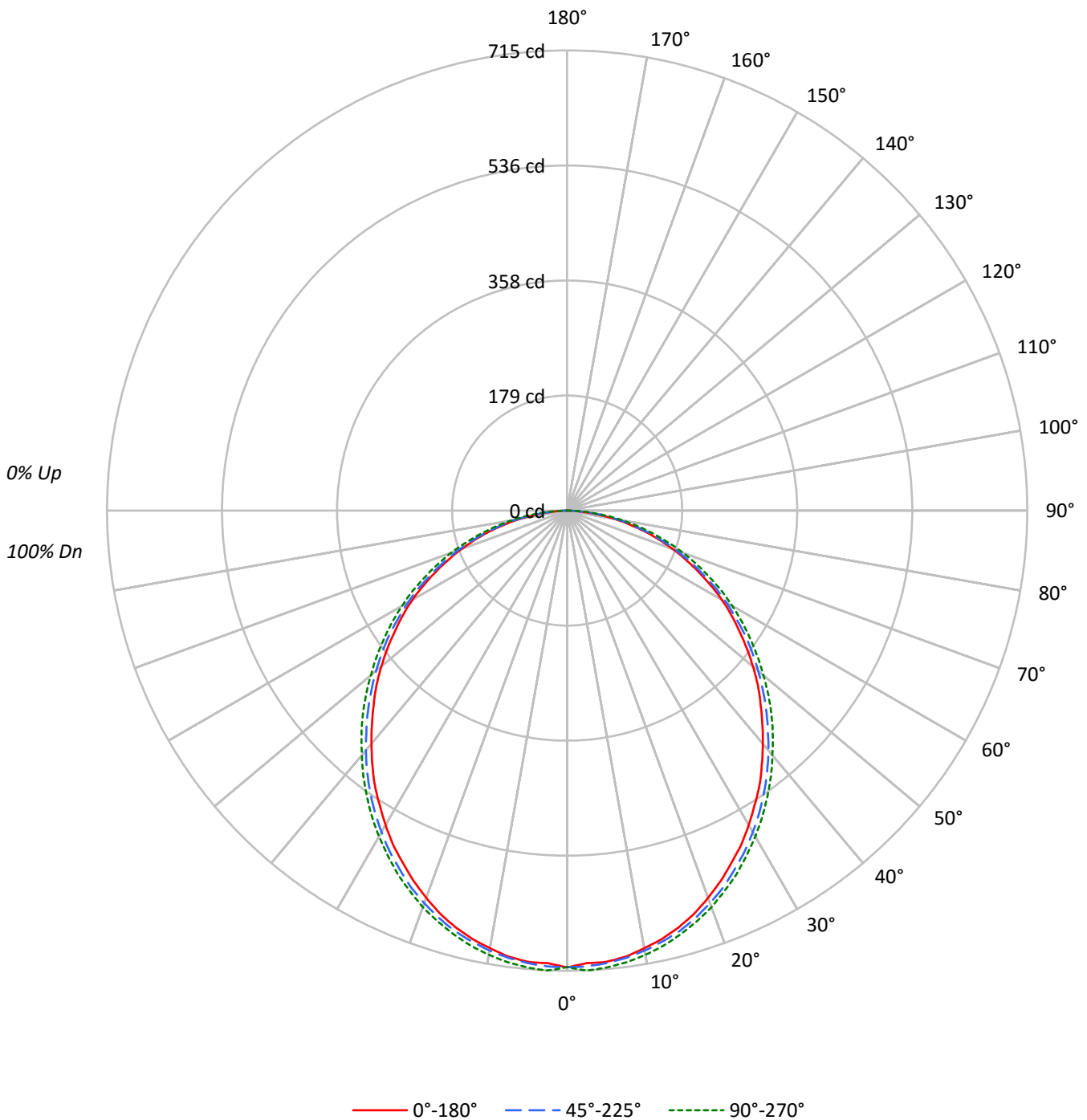
Lumens per Lamp: N/A
Luminaire Lumens: 1914.0 lumens
Efficiency: N/A
Efficacy: 107.5 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.23 / 1.32
Luminous Opening: Rectangular (W 4' x L: 0.12' x H: 0')
CIE Type: Direct

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°	15276	15276	15276
5°	15209	15252	15397
10°	15092	15175	15324
15°	14937	15066	15193
20°	14671	14868	15024
25°	14342	14618	14801
30°	14030	14341	14532
35°	13697	14026	14252
40°	13295	13672	13945
45°	12939	13320	13670
50°	12623	12978	13333
55°	12269	12667	13028
60°	11965	12297	12753
65°	11461	11803	12394
70°	11015	11317	12041
75°	10314	10713	11520
80°	9174	9769	10848
85°	6422	7608	9732



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.0	3.5
10°-20°	190.0	9.9
20°-30°	282.0	14.7
30°-40°	331.6	17.3
40°-50°	336.4	17.6
50°-60°	300.9	15.7
60°-70°	230.8	12.1
70°-80°	137.5	7.2
80°-90°	37.8	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°	539.0	28.2
0°-40°	870.6	45.5
0°-60°	1507.9	78.8
0°-90°	1914.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1914.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	710	710	710	710	710	
5°	704	704	706	704	712	67
15°	670	672	676	673	682	189
25°	604	606	615	614	623	278
35°	521	521	534	534	542	325
45°	425	427	438	442	449	328
55°	327	329	338	343	347	293
65°	225	226	232	238	243	223
75°	124	125	129	135	138	131
85°	26	28	31	38	39	32
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	709.6	709.6	709.6	709.6	709.6
2.5°	703.8	707.7	708.7	706.7	715.4
5°	703.8	703.8	705.8	703.8	712.5
7.5°	699.0	699.0	701.0	699.0	707.7
10°	690.4	691.3	694.2	692.3	701.0
12.5°	681.7	681.7	685.6	683.7	692.3
15°	670.2	672.1	676.0	673.1	681.7
17.5°	656.7	658.7	663.5	661.5	669.2
20°	640.4	642.3	649.0	647.1	655.8
22.5°	623.1	624.0	633.7	630.8	639.4
25°	603.8	605.8	615.4	614.4	623.1
27.5°	585.6	586.5	597.1	595.2	603.8
30°	564.4	566.3	576.9	576.9	584.6
32.5°	542.3	544.2	555.8	555.8	564.4
35°	521.2	521.2	533.7	533.7	542.3
37.5°	497.1	498.1	510.6	511.5	520.2
40°	473.1	475.0	486.5	489.4	496.2
42.5°	449.0	451.9	461.5	466.3	473.1
45°	425.0	426.9	437.5	442.3	449.0
47.5°	401.9	402.9	412.5	417.3	424.0
50°	376.9	377.9	387.5	392.3	398.1
52.5°	351.9	353.8	362.5	368.3	373.1
55°	326.9	328.8	337.5	343.3	347.1
57.5°	302.9	303.8	310.6	317.3	322.1
60°	277.9	278.8	285.6	292.3	296.2
62.5°	251.0	252.9	259.6	266.3	271.2
65°	225.0	226.0	231.7	237.5	243.3
67.5°	200.0	201.0	205.8	212.5	217.3
70°	175.0	176.0	179.8	185.6	191.3
72.5°	149.0	150.0	153.8	160.6	164.4
75°	124.0	125.0	128.8	134.6	138.5
77.5°	99.0	101.0	103.8	110.6	112.5
80°	74.0	76.0	78.8	85.6	87.5
82.5°	49.0	51.0	55.8	60.6	62.5
85°	26.0	27.9	30.8	37.5	39.4
87.5°	6.7	6.7	9.6	15.4	17.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)