

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: P302979

Luminaire Tested: **CTW-F-0100-20L840-UNV-STD-4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302979  
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-0100-20L840-UNV-STD-4  
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE  
0% UPLIGHT, 100% DOWNLIGHT, 2000 LUMEN PACKAGE  
Light Source: 4000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2028.8 lumens  
Efficiency: N/A  
Efficacy: 114.0 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

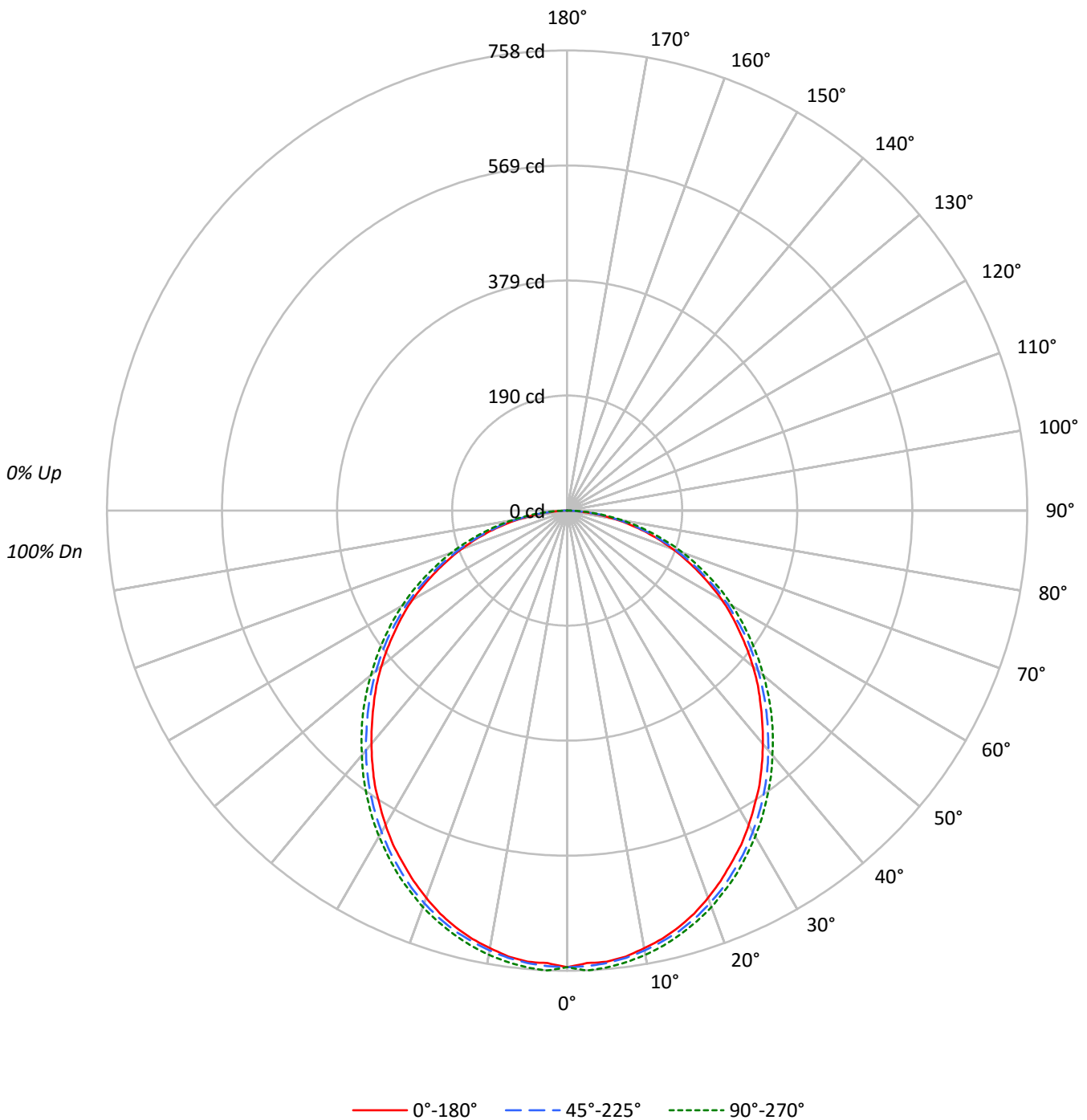
Input Watts (W): 17.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	16193	16193	16193
5°	16123	16166	16322
10°	15997	16087	16242
15°	15833	15969	16105
20°	15551	15762	15924
25°	15205	15494	15689
30°	14873	15201	15405
35°	14517	14867	15106
40°	14093	14493	14779
45°	13715	14120	14492
50°	13380	13758	14133
55°	13005	13429	13808
60°	12684	13033	13515
65°	12149	12511	13137
70°	11676	11997	12765
75°	10938	11362	12210
80°	9732	10364	11505
85°	6793	8052	10325



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	71.0	3.5
10°-20°	201.4	9.9
20°-30°	298.9	14.7
30°-40°	351.5	17.3
40°-50°	356.6	17.6
50°-60°	319.0	15.7
60°-70°	244.7	12.1
70°-80°	145.7	7.2
80°-90°	40.1	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°	571.3	28.2
0°-40°	922.8	45.5
0°-60°	1598.3	78.8
0°-90°	2028.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2028.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	752	752	752	752	752	
5°	746	746	748	746	755	71
15°	710	712	716	714	723	200
25°	640	642	652	651	660	295
35°	552	552	566	566	575	345
45°	450	452	464	469	476	348
55°	346	349	358	364	368	310
65°	238	240	246	252	258	237
75°	132	132	137	143	147	139
85°	28	30	33	40	42	34
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	752.2	752.2	752.2	752.2	752.2
2.5°	746.1	750.2	751.2	749.1	758.3
5°	746.1	746.1	748.1	746.1	755.3
7.5°	741.0	741.0	743.0	741.0	750.2
10°	731.8	732.8	735.9	733.8	743.0
12.5°	722.6	722.6	726.7	724.7	733.8
15°	710.4	712.4	716.5	713.5	722.6
17.5°	696.1	698.2	703.3	701.2	709.4
20°	678.8	680.8	688.0	685.9	695.1
22.5°	660.5	661.5	671.7	668.6	677.8
25°	640.1	642.1	652.3	651.3	660.5
27.5°	620.7	621.7	632.9	630.9	640.1
30°	598.3	600.3	611.5	611.5	619.7
32.5°	574.8	576.9	589.1	589.1	598.3
35°	552.4	552.4	565.7	565.7	574.8
37.5°	526.9	528.0	541.2	542.2	551.4
40°	501.5	503.5	515.7	518.8	525.9
42.5°	476.0	479.0	489.2	494.3	501.5
45°	450.5	452.5	463.8	468.8	476.0
47.5°	426.0	427.1	437.3	442.3	449.5
50°	399.5	400.6	410.8	415.8	422.0
52.5°	373.0	375.1	384.3	390.4	395.5
55°	346.5	348.6	357.8	363.9	367.9
57.5°	321.1	322.1	329.2	336.3	341.4
60°	294.6	295.6	302.7	309.8	313.9
62.5°	266.0	268.1	275.2	282.3	287.4
65°	238.5	239.5	245.6	251.8	257.9
67.5°	212.0	213.0	218.1	225.3	230.3
70°	185.5	186.5	190.6	196.7	202.8
72.5°	158.0	159.0	163.1	170.2	174.3
75°	131.5	132.5	136.6	142.7	146.8
77.5°	105.0	107.0	110.1	117.2	119.3
80°	78.5	80.5	83.6	90.7	92.8
82.5°	52.0	54.0	59.1	64.2	66.3
85°	27.5	29.6	32.6	39.8	41.8
87.5°	7.1	7.1	10.2	16.3	18.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)