

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: P302991

Luminaire Tested: **CTW-F-0100-20L840-UNV-STD-8**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302991  
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-8  
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: 4057.6 lumens  
Efficiency: N/A  
Efficacy: 118.3 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

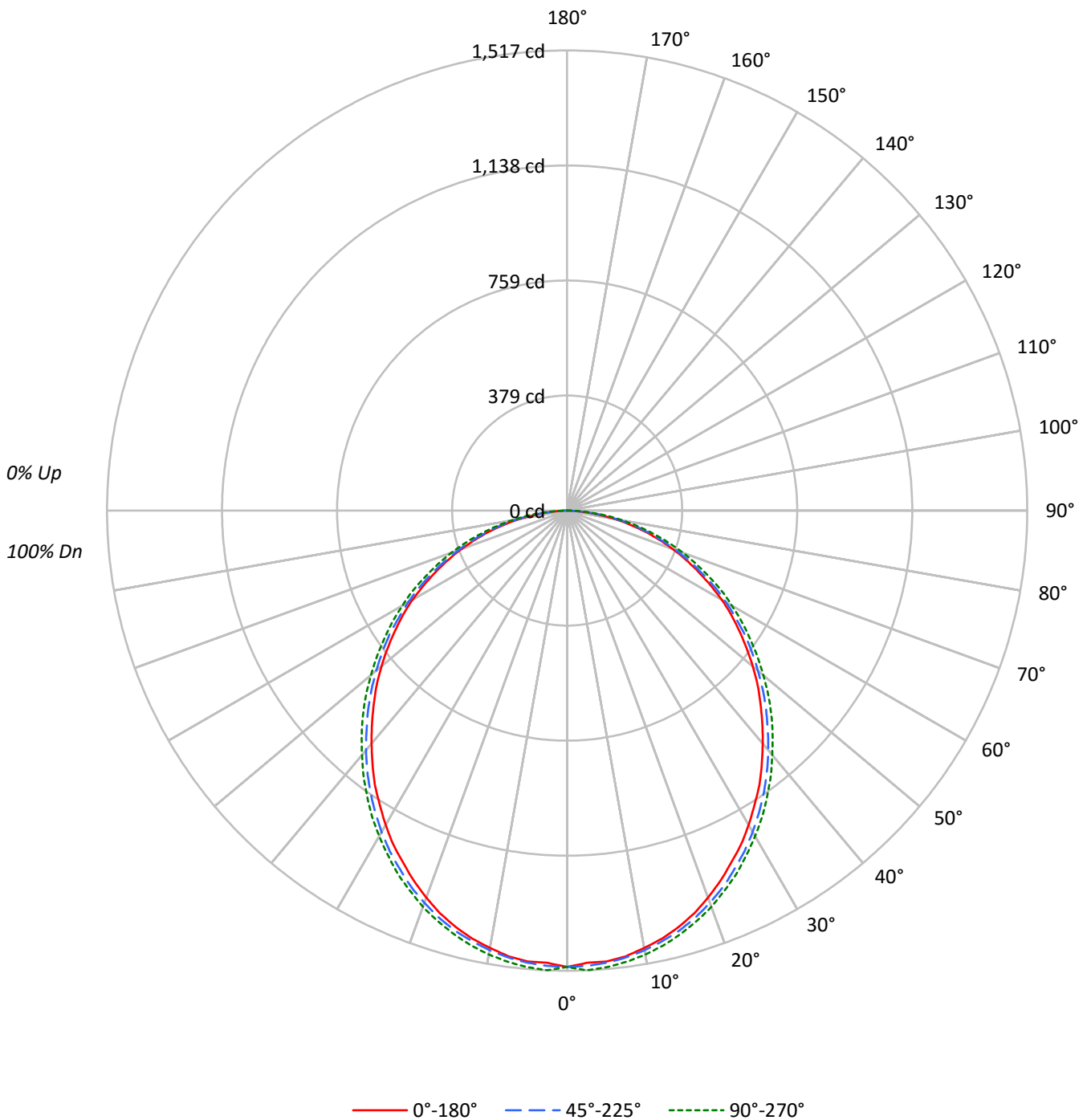
Input Watts (W): 34.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	16321
10°	15997	16087	16242
15°	15833	15969	16106
20°	15551	15762	15924
25°	15205	15494	15688
30°	14873	15202	15405
35°	14517	14866	15107
40°	14092	14494	14779
45°	13715	14119	14492
50°	13381	13757	14132
55°	13007	13427	13810
60°	12682	13033	13515
65°	12149	12513	13135
70°	11676	11997	12768
75°	10938	11362	12206
80°	9732	10364	11499
85°	6793	8052	10325



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	142.0	3.5
10°-20°	402.8	9.9
20°-30°	597.9	14.7
30°-40°	703.0	17.3
40°-50°	713.1	17.6
50°-60°	638.0	15.7
60°-70°	489.3	12.1
70°-80°	291.4	7.2
80°-90°	80.2	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°	1142.6	28.2
0°-40°	1845.6	45.5
0°-60°	3196.7	78.8
0°-90°	4057.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4057.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1504	1504	1504	1504	1504	
5°	1492	1492	1496	1492	1510	142
15°	1421	1425	1433	1427	1445	400
25°	1280	1284	1305	1303	1321	590
35°	1105	1105	1131	1131	1150	690
45°	901	905	928	938	952	696
55°	693	697	716	728	736	621
65°	477	479	491	504	516	473
75°	263	265	273	285	294	278
85°	55	59	65	80	84	68
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1504.4	1504.4	1504.4	1504.4	1504.4
2.5°	1492.2	1500.3	1502.3	1498.3	1516.6
5°	1492.2	1492.2	1496.2	1492.2	1510.5
7.5°	1482.0	1482.0	1486.0	1482.0	1500.3
10°	1463.6	1465.7	1471.8	1467.7	1486.0
12.5°	1445.3	1445.3	1453.4	1449.3	1467.7
15°	1420.8	1424.9	1433.0	1426.9	1445.3
17.5°	1392.3	1396.3	1406.5	1402.5	1418.8
20°	1357.6	1361.7	1376.0	1371.9	1390.2
22.5°	1320.9	1323.0	1343.3	1337.2	1355.6
25°	1280.2	1284.2	1304.6	1302.6	1320.9
27.5°	1241.4	1243.5	1265.9	1261.8	1280.2
30°	1196.6	1200.7	1223.1	1223.1	1239.4
32.5°	1149.7	1153.8	1178.2	1178.2	1196.6
35°	1104.8	1104.8	1131.3	1131.3	1149.7
37.5°	1053.9	1055.9	1082.4	1084.5	1102.8
40°	1002.9	1007.0	1031.5	1037.6	1051.8
42.5°	952.0	958.1	978.5	988.7	1002.9
45°	901.0	905.1	927.5	937.7	952.0
47.5°	852.1	854.1	874.5	884.7	899.0
50°	799.1	801.1	821.5	831.7	843.9
52.5°	746.1	750.2	768.5	780.7	790.9
55°	693.1	697.2	715.5	727.7	735.9
57.5°	642.1	644.2	658.4	672.7	682.9
60°	589.1	591.2	605.4	619.7	627.8
62.5°	532.0	536.1	550.4	564.7	574.8
65°	477.0	479.0	491.3	503.5	515.7
67.5°	424.0	426.0	436.2	450.5	460.7
70°	371.0	373.0	381.2	393.4	405.7
72.5°	316.0	318.0	326.2	340.4	348.6
75°	263.0	265.0	273.2	285.4	293.5
77.5°	210.0	214.0	220.2	234.4	238.5
80°	157.0	161.0	167.2	181.4	185.5
82.5°	104.0	108.0	118.2	128.4	132.5
85°	55.0	59.1	65.2	79.5	83.6
87.5°	14.3	14.3	20.4	32.6	36.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)