

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: P302985

Luminaire Tested: **CTW-F-0100-20L840-UNV-STD-6**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302985  
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-6  
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**

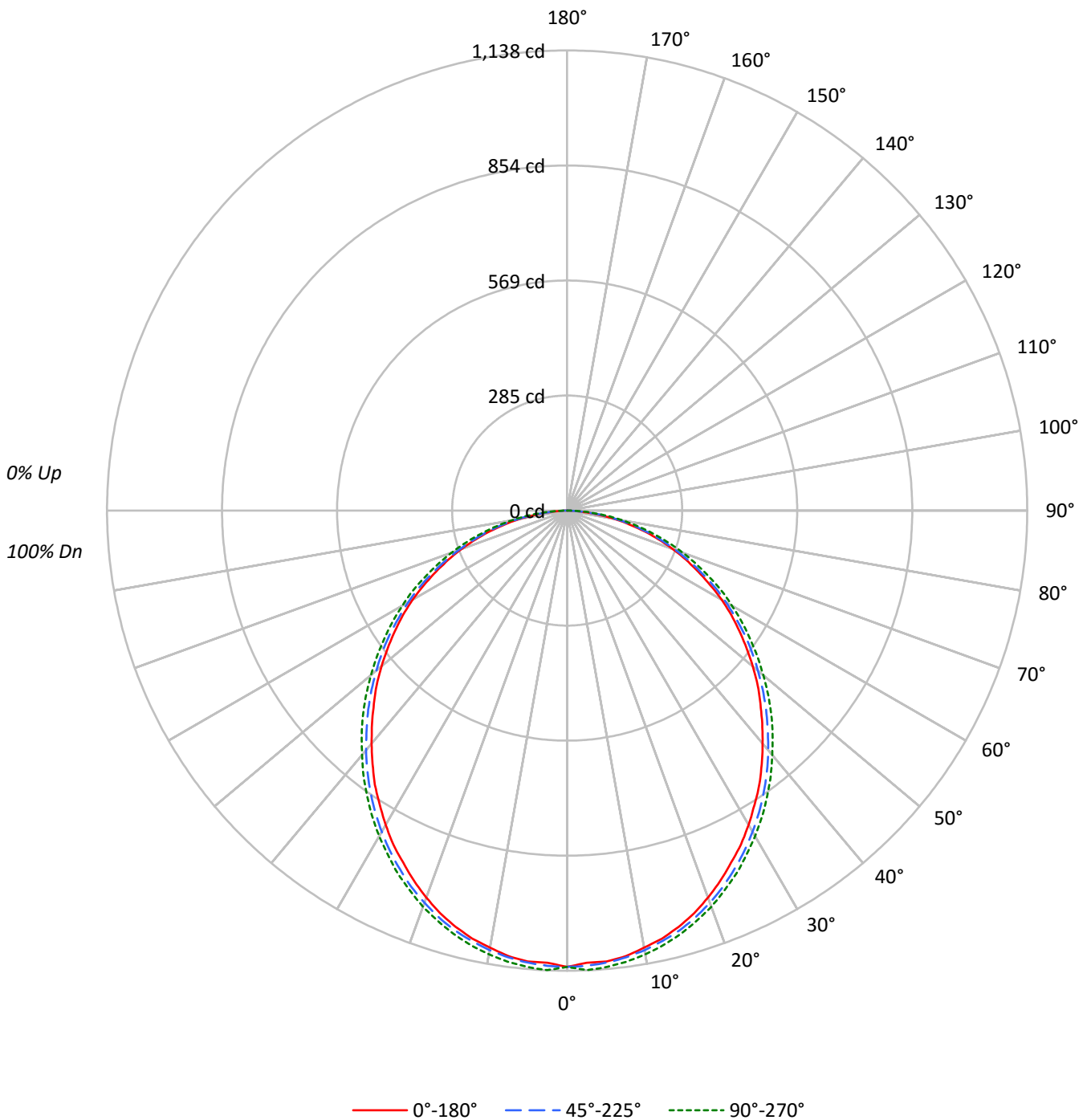
Lumens per Lamp: N/A  
Luminaire Lumens: 3043.2 lumens  
Efficiency: N/A  
Efficacy: 118.0 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.23 / 1.32  
Luminous Opening: Rectangular (W 6' x L: 0.12' x H: 0')  
CIE Type: Direct

Input Watts (W): 25.8  
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	16167	16321
10°	15997	16086	16242
15°	15833	15970	16106
20°	15551	15762	15925
25°	15204	15495	15688
30°	14872	15202	15404
35°	14517	14866	15108
40°	14093	14493	14780
45°	13716	14118	14492
50°	13381	13756	14131
55°	13006	13427	13810
60°	12681	13034	13517
65°	12151	12514	13136
70°	11678	11997	12765
75°	10935	11362	12210
80°	9728	10364	11497
85°	6801	8052	10325



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	106.5	3.5
10°-20°	302.1	9.9
20°-30°	448.4	14.7
30°-40°	527.2	17.3
40°-50°	534.8	17.6
50°-60°	478.5	15.7
60°-70°	367.0	12.1
70°-80°	218.6	7.2
80°-90°	60.1	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°	857.0	28.2
0°-40°	1384.2	45.5
0°-60°	2397.5	78.8
0°-90°	3043.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3043.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1128	1128	1128	1128	1128	
5°	1119	1119	1122	1119	1133	106
15°	1066	1069	1075	1070	1084	300
25°	960	963	978	977	991	443
35°	829	829	848	848	862	517
45°	676	679	696	703	714	522
55°	520	523	537	546	552	466
65°	358	359	368	378	387	355
75°	197	199	205	214	220	208
85°	41	44	49	60	63	51
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1128.3	1128.3	1128.3	1128.3	1128.3
2.5°	1119.1	1125.2	1126.8	1123.7	1137.5
5°	1119.1	1119.1	1122.2	1119.1	1132.9
7.5°	1111.5	1111.5	1114.5	1111.5	1125.2
10°	1097.7	1099.2	1103.8	1100.8	1114.5
12.5°	1084.0	1084.0	1090.1	1087.0	1100.8
15°	1065.6	1068.7	1074.8	1070.2	1084.0
17.5°	1044.2	1047.3	1054.9	1051.8	1064.1
20°	1018.2	1021.3	1032.0	1028.9	1042.7
22.5°	990.7	992.2	1007.5	1002.9	1016.7
25°	960.1	963.2	978.5	976.9	990.7
27.5°	931.1	932.6	949.4	946.4	960.1
30°	897.4	900.5	917.3	917.3	929.5
32.5°	862.3	865.3	883.7	883.7	897.4
35°	828.6	828.6	848.5	848.5	862.3
37.5°	790.4	791.9	811.8	813.3	827.1
40°	752.2	755.3	773.6	778.2	788.9
42.5°	714.0	718.6	733.8	741.5	752.2
45°	675.8	678.8	695.6	703.3	714.0
47.5°	639.1	640.6	655.9	663.5	674.2
50°	599.3	600.8	616.1	623.8	632.9
52.5°	559.6	562.6	576.4	585.5	593.2
55°	519.8	522.9	536.6	545.8	551.9
57.5°	481.6	483.1	493.8	504.5	512.2
60°	441.8	443.4	454.1	464.8	470.9
62.5°	399.0	402.1	412.8	423.5	431.1
65°	357.8	359.3	368.5	377.6	386.8
67.5°	318.0	319.5	327.2	337.9	345.5
70°	278.3	279.8	285.9	295.1	304.2
72.5°	237.0	238.5	244.6	255.3	261.4
75°	197.2	198.8	204.9	214.0	220.2
77.5°	157.5	160.5	165.1	175.8	178.9
80°	117.7	120.8	125.4	136.1	139.1
82.5°	78.0	81.0	88.7	96.3	99.4
85°	41.3	44.3	48.9	59.6	62.7
87.5°	10.7	10.7	15.3	24.5	27.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)