

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: P303036

Luminaire Tested: **CTW-F-0100-50L840-UNV-STD-6**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P303036  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-181-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: CTW-F-0100-50L840-UNV-STD-6  
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE  
0% UPLIGHT, 100% DOWNLIGHT, 5000 LUMEN PACKAGE  
Light Source: 4000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

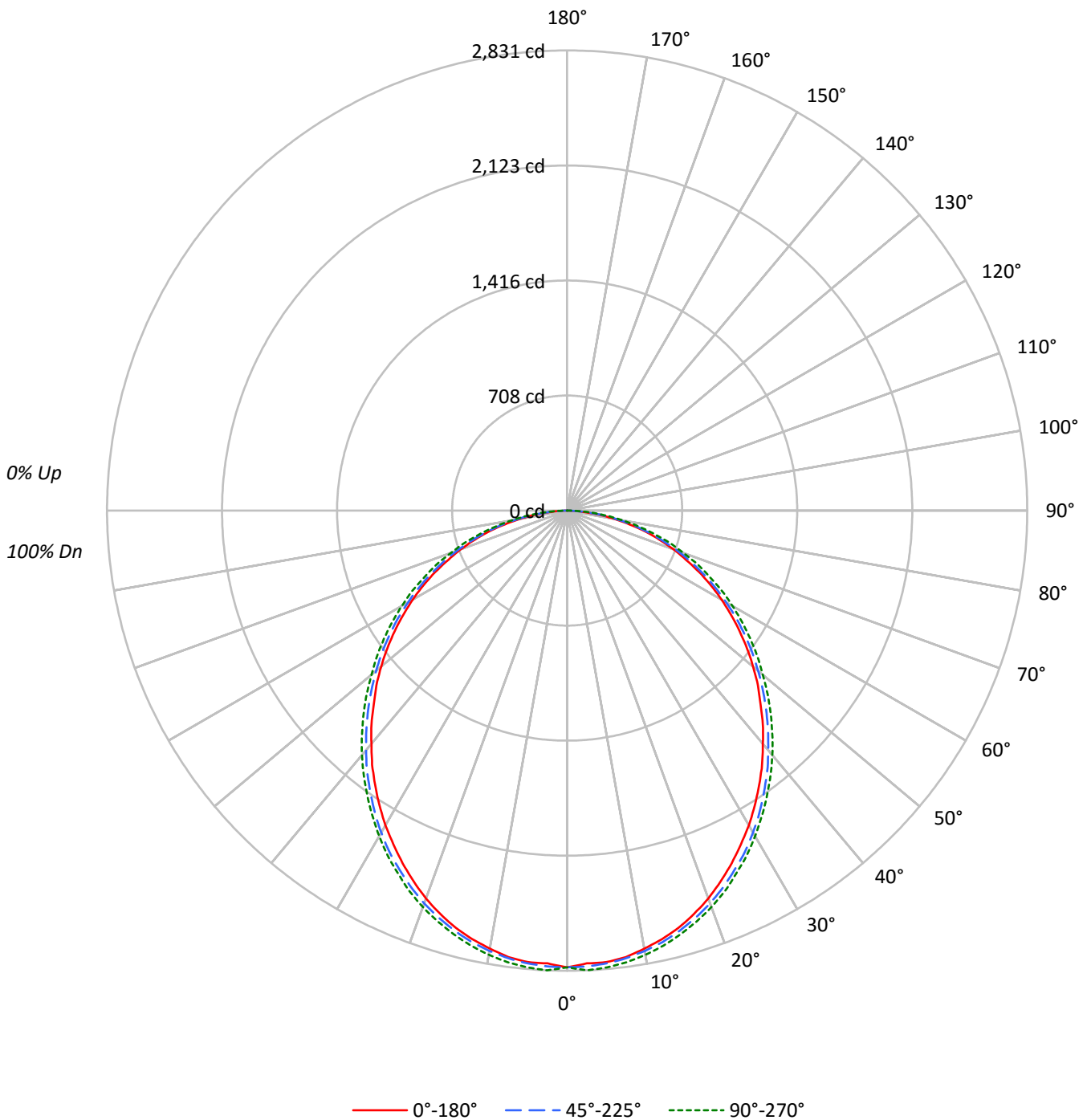
Lumens per Lamp: N/A  
Luminaire Lumens: 7593.6 lumens  
Efficiency: N/A  
Efficacy: 108.8 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.22 / 1.32  
Luminous Opening: Rectangular (W 6' x L: 0.12' x H: 0')  
CIE Type: Direct

Input Watts (W): 69.8  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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	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					100			
1	109	104	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86	84					84			
2	99	90	84	78	96	89	82	77	85	80	75	82	77	73	79	75	72	70					70			
3	90	79	71	65	88	78	70	64	75	68	63	72	67	62	70	65	61	59					59			
4	82	70	62	55	80	69	61	55	67	59	54	64	58	53	62	57	52	50					50			
5	76	63	54	47	74	62	53	47	60	52	47	58	51	46	56	50	46	43					43			
6	70	57	48	41	68	56	47	41	54	46	41	52	46	40	51	45	40	38					38			
7	65	52	43	37	63	51	42	36	49	42	36	48	41	36	46	40	36	34					34			
8	61	47	39	33	59	46	38	33	45	38	32	44	37	32	43	37	32	30					30			
9	57	43	35	29	55	43	35	29	41	34	29	40	34	29	39	33	29	27					27			
10	53	40	32	27	52	39	32	27	38	31	27	37	31	26	37	31	26	25					25			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	40329	40329	40329
5°	40175	40285	40637
10°	39881	40082	40439
15°	39457	39753	40093
20°	38784	39274	39649
25°	37913	38615	39003
30°	37042	37904	38333
35°	36082	36991	37553
40°	35087	36061	36807
45°	34133	35127	35964
50°	33351	34237	35092
55°	32441	33397	34430
60°	31508	32473	33704
65°	30424	31463	32917
70°	29189	30154	31950
75°	27720	28569	30604
80°	24638	26158	28555
85°	18130	20650	25425



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	265.3	3.5
10°-20°	752.4	9.9
20°-30°	1117.3	14.7
30°-40°	1313.5	17.3
40°-50°	1331.7	17.5
50°-60°	1192.6	15.7
60°-70°	919.9	12.1
70°-80°	549.6	7.2
80°-90°	151.3	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°	2134.9	28.1
0°-40°	3448.5	45.4
0°-60°	5972.7	78.7
0°-90°	7593.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7593.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2810	2810	2810	2810	2810	
5°	2789	2789	2796	2789	2821	265
15°	2656	2660	2676	2665	2698	748
25°	2394	2402	2438	2432	2463	1103
35°	2059	2067	2111	2118	2143	1289
45°	1682	1694	1731	1748	1772	1301
55°	1296	1303	1335	1359	1376	1160
65°	896	904	926	956	969	886
75°	500	503	515	540	552	523
85°	110	112	125	148	154	133
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2810.0	2810.0	2810.0	2810.0	2810.0
2.5°	2788.6	2800.8	2807.0	2799.3	2831.4
5°	2788.6	2788.6	2796.3	2788.6	2820.7
7.5°	2770.3	2768.7	2777.9	2770.3	2802.4
10°	2736.6	2738.2	2750.4	2742.8	2774.9
12.5°	2699.9	2701.5	2718.3	2707.6	2741.2
15°	2655.6	2660.2	2675.5	2664.8	2698.4
17.5°	2600.6	2608.2	2626.6	2617.4	2649.5
20°	2539.4	2542.5	2571.5	2562.3	2596.0
22.5°	2469.1	2473.7	2508.8	2499.7	2534.8
25°	2394.2	2401.8	2438.5	2432.4	2463.0
27.5°	2314.7	2323.8	2368.2	2360.5	2392.6
30°	2235.2	2242.8	2287.2	2282.6	2313.1
32.5°	2149.6	2157.2	2203.1	2201.5	2229.1
35°	2059.4	2067.0	2111.3	2117.5	2143.4
37.5°	1970.7	1976.8	2022.7	2030.3	2054.8
40°	1872.8	1885.1	1924.8	1935.5	1964.6
42.5°	1782.6	1790.3	1828.5	1843.8	1868.3
45°	1681.7	1694.0	1730.7	1747.5	1771.9
47.5°	1591.5	1597.6	1632.8	1654.2	1672.6
50°	1493.7	1499.8	1533.4	1556.4	1571.7
52.5°	1395.8	1402.0	1435.6	1458.5	1475.3
55°	1296.5	1302.6	1334.7	1359.1	1376.0
57.5°	1197.1	1204.7	1233.8	1262.8	1275.1
60°	1097.7	1105.4	1131.3	1160.4	1174.2
62.5°	996.8	1004.5	1028.9	1058.0	1076.3
65°	895.9	903.5	926.5	955.5	969.3
67.5°	791.9	802.6	824.0	851.6	871.4
70°	695.6	701.7	718.6	744.5	761.4
72.5°	594.7	603.9	616.1	640.6	662.0
75°	499.9	503.0	515.2	539.7	551.9
77.5°	392.9	400.6	417.4	438.8	449.5
80°	298.1	301.2	316.5	337.9	345.5
82.5°	198.8	203.3	220.2	241.6	247.7
85°	110.1	111.6	125.4	148.3	154.4
87.5°	30.6	32.1	39.8	59.6	68.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)