

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: P303042

Luminaire Tested: **CTW-F-0100-50L840-UNV-STD-8**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P303042
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-8
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

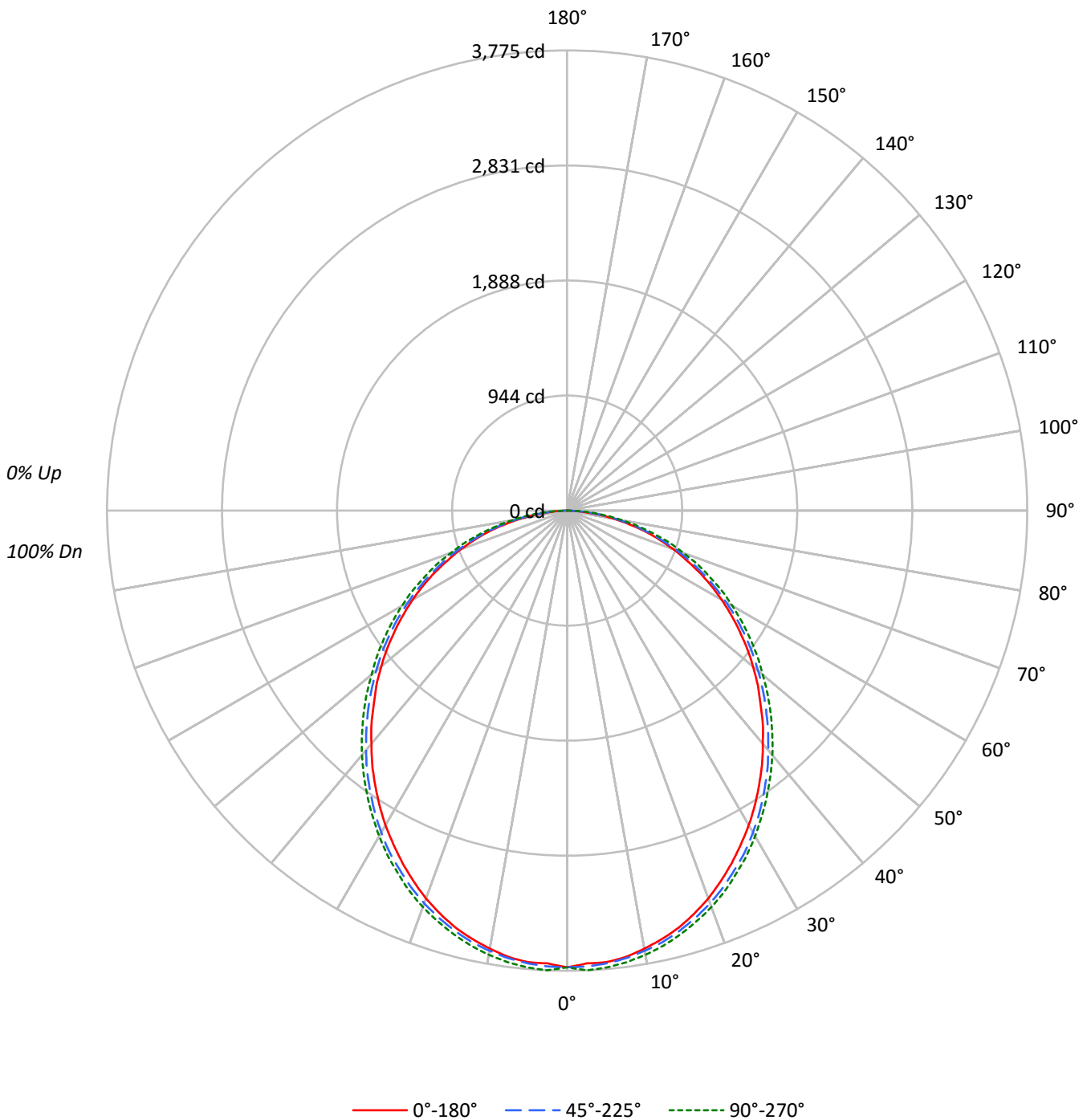
Lumens per Lamp: N/A
Luminaire Lumens: 10124.7 lumens
Efficiency: N/A
Efficacy: 108.4 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.22 / 1.32
Luminous Opening: Rectangular (W 8' x L: 0.12' x H: 0')
CIE Type: Direct

Input Watts (W): 93.4
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	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	40284	40638
10°	39881	40082	40439
15°	39457	39753	40094
20°	38785	39275	39648
25°	37913	38615	39003
30°	37041	37903	38334
35°	36081	36991	37554
40°	35087	36061	36806
45°	34133	35126	35965
50°	33351	34238	35091
55°	32439	33397	34429
60°	31508	32475	33702
65°	30423	31463	32917
70°	29190	30153	31950
75°	27723	28571	30605
80°	24640	26158	28557
85°	18130	20650	25429



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	353.7	3.5
10°-20°	1003.2	9.9
20°-30°	1489.7	14.7
30°-40°	1751.4	17.3
40°-50°	1775.6	17.5
50°-60°	1590.1	15.7
60°-70°	1226.5	12.1
70°-80°	732.8	7.2
80°-90°	201.8	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°	2846.6	28.1
0°-40°	4597.9	45.4
0°-60°	7963.6	78.7
0°-90°	10124.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10124.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3747	3747	3747	3747	3747	
5°	3718	3718	3728	3718	3761	353
15°	3541	3547	3567	3553	3598	997
25°	3192	3202	3251	3243	3284	1470
35°	2746	2756	2815	2823	2858	1718
45°	2242	2259	2308	2330	2363	1734
55°	1729	1737	1780	1812	1835	1546
65°	1194	1205	1235	1274	1292	1182
75°	667	671	687	720	736	698
85°	147	149	167	198	206	177
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3746.7	3746.7	3746.7	3746.7	3746.7
2.5°	3718.2	3734.5	3742.6	3732.4	3775.2
5°	3718.2	3718.2	3728.3	3718.2	3761.0
7.5°	3693.7	3691.7	3703.9	3693.7	3736.5
10°	3648.8	3650.9	3667.2	3657.0	3699.8
12.5°	3599.9	3602.0	3624.4	3610.1	3655.0
15°	3540.8	3546.9	3567.3	3553.0	3597.9
17.5°	3467.4	3477.6	3502.1	3489.8	3532.7
20°	3385.9	3390.0	3428.7	3416.5	3461.3
22.5°	3292.1	3298.2	3345.1	3332.9	3379.8
25°	3192.2	3202.4	3251.3	3243.2	3284.0
27.5°	3086.2	3098.5	3157.6	3147.4	3190.2
30°	2980.2	2990.4	3049.5	3043.4	3084.2
32.5°	2866.1	2876.3	2937.4	2935.4	2972.1
35°	2745.8	2756.0	2815.1	2823.3	2857.9
37.5°	2627.6	2635.7	2696.9	2707.1	2739.7
40°	2497.1	2513.4	2566.4	2580.7	2619.4
42.5°	2376.8	2387.0	2438.0	2458.4	2491.0
45°	2242.3	2258.6	2307.5	2330.0	2362.6
47.5°	2122.0	2130.2	2177.1	2205.6	2230.1
50°	1991.6	1999.7	2044.6	2075.2	2095.5
52.5°	1861.1	1869.3	1914.1	1944.7	1967.1
55°	1728.6	1736.8	1779.6	1812.2	1834.6
57.5°	1596.1	1606.3	1645.0	1683.8	1700.1
60°	1463.6	1473.8	1508.5	1547.2	1565.5
62.5°	1329.1	1339.3	1371.9	1410.6	1435.1
65°	1194.5	1204.7	1235.3	1274.0	1292.4
67.5°	1055.9	1070.2	1098.7	1135.4	1161.9
70°	927.5	935.7	958.1	992.7	1015.2
72.5°	793.0	805.2	821.5	854.1	882.7
75°	666.6	670.7	687.0	719.6	735.9
77.5°	523.9	534.1	556.5	585.0	599.3
80°	397.5	401.6	422.0	450.5	460.7
82.5°	265.0	271.1	293.5	322.1	330.2
85°	146.8	148.8	167.2	197.7	205.9
87.5°	40.8	42.8	53.0	79.5	91.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)