

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: P303045

Luminaire Tested: **CTW-F-0100-50L940-UNV-STD-8**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P303045
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-0100-50L940-UNV-STD-8
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE
0% UPLIGHT, 100% DOWNLIGHT, 5000 LUMEN PACKAGE
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

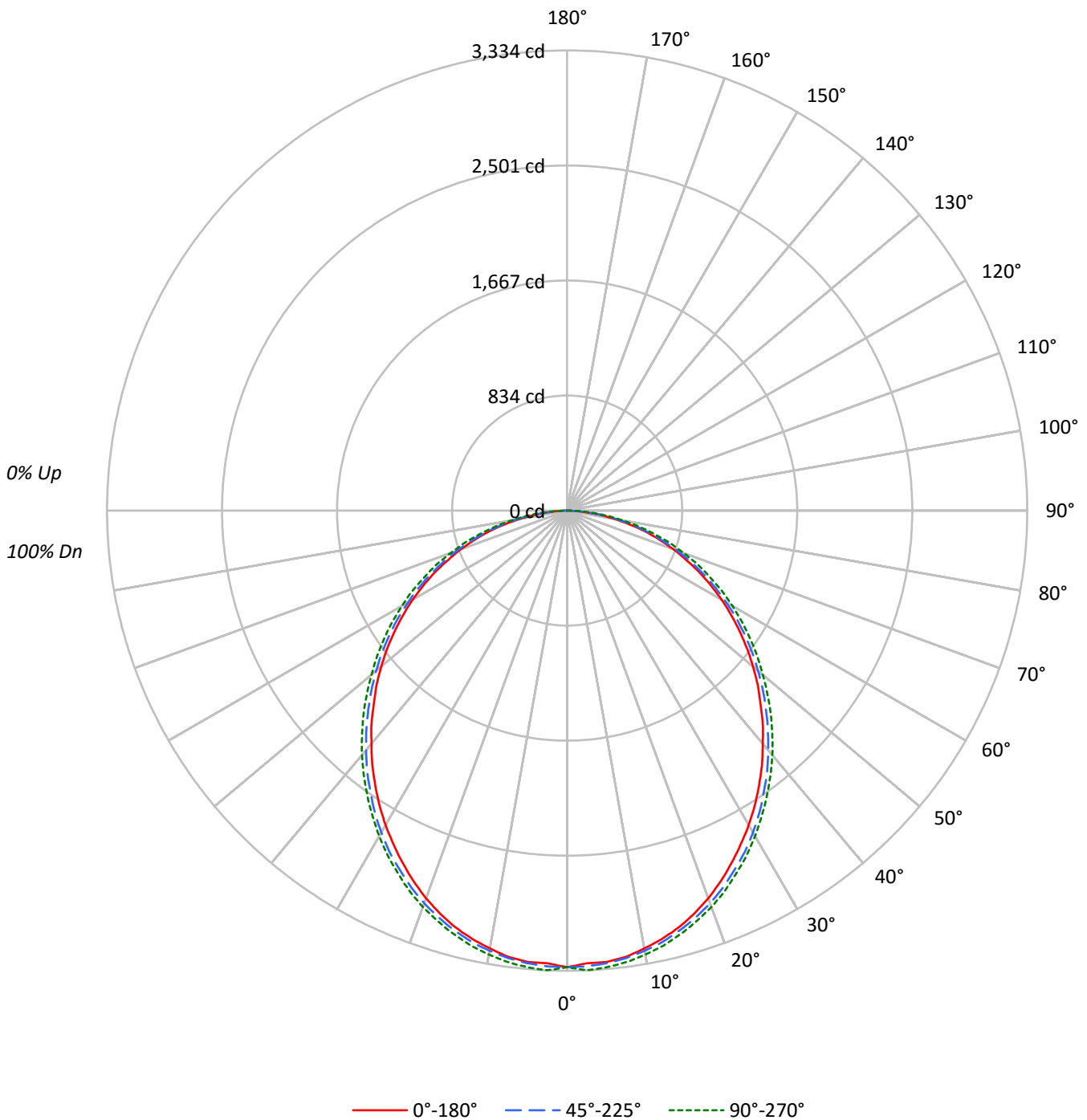
Lumens per Lamp: N/A
Luminaire Lumens: 8940.2 lumens
Efficiency: N/A
Efficacy: 95.7 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.22 / 1.32
Luminous Opening: Rectangular (W 8' x L: 0.12' x H: 0')
CIE Type: Direct

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	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	90	84	78	96	89	82	77	85	80	75	82	77	73	79	75	72	70
3	90	79	71	65	88	78	70	64	75	68	63	72	67	62	70	65	61	59
4	82	70	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	46	41	52	46	40	51	45	40	38
7	65	52	43	37	63	51	42	36	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	29	55	43	35	29	41	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°	35610	35610	35610
5°	35474	35571	35882
10°	35215	35392	35707
15°	34841	35101	35402
20°	34246	34679	35009
25°	33477	34097	34439
30°	32707	33468	33848
35°	31859	32663	33160
40°	30983	31843	32501
45°	30140	31017	31757
50°	29449	30233	30986
55°	28645	29489	30401
60°	27823	28675	29760
65°	26865	27782	29066
70°	25775	26625	28211
75°	24479	25228	27024
80°	21757	23096	25216
85°	16006	18229	22453



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	312.3	3.5
10°-20°	885.8	9.9
20°-30°	1315.4	14.7
30°-40°	1546.5	17.3
40°-50°	1567.9	17.5
50°-60°	1404.1	15.7
60°-70°	1083.0	12.1
70°-80°	647.1	7.2
80°-90°	178.2	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°	2513.5	28.1
0°-40°	4059.9	45.4
0°-60°	7031.9	78.7
0°-90°	8940.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8940.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3308	3308	3308	3308	3308	
5°	3283	3283	3292	3283	3321	311
15°	3126	3132	3150	3137	3177	881
25°	2819	2828	2871	2864	2900	1298
35°	2424	2434	2486	2493	2524	1517
45°	1980	1994	2038	2057	2086	1531
55°	1526	1534	1571	1600	1620	1365
65°	1055	1064	1091	1125	1141	1043
75°	589	592	607	635	650	616
85°	130	131	148	175	182	156
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3308.3	3308.3	3308.3	3308.3	3308.3
2.5°	3283.1	3297.5	3304.7	3295.7	3333.5
5°	3283.1	3283.1	3292.1	3283.1	3320.9
7.5°	3261.5	3259.7	3270.5	3261.5	3299.3
10°	3221.9	3223.7	3238.1	3229.1	3266.9
12.5°	3178.7	3180.5	3200.3	3187.7	3227.3
15°	3126.5	3131.9	3149.9	3137.3	3176.9
17.5°	3061.7	3070.7	3092.3	3081.5	3119.3
20°	2989.7	2993.3	3027.5	3016.7	3056.3
22.5°	2906.9	2912.3	2953.7	2942.9	2984.3
25°	2818.7	2827.7	2870.9	2863.7	2899.7
27.5°	2725.1	2735.9	2788.1	2779.1	2816.9
30°	2631.5	2640.5	2692.7	2687.3	2723.3
32.5°	2530.7	2539.7	2593.7	2591.9	2624.3
35°	2424.5	2433.5	2485.7	2492.9	2523.5
37.5°	2320.2	2327.4	2381.3	2390.3	2419.1
40°	2205.0	2219.4	2266.2	2278.8	2313.0
42.5°	2098.8	2107.8	2152.8	2170.8	2199.6
45°	1980.0	1994.4	2037.6	2057.4	2086.2
47.5°	1873.8	1881.0	1922.4	1947.6	1969.2
50°	1758.6	1765.8	1805.4	1832.4	1850.4
52.5°	1643.4	1650.6	1690.2	1717.2	1737.0
55°	1526.4	1533.6	1571.4	1600.2	1620.0
57.5°	1409.4	1418.4	1452.6	1486.8	1501.2
60°	1292.4	1301.4	1332.0	1366.2	1382.4
62.5°	1173.6	1182.6	1211.4	1245.6	1267.2
65°	1054.8	1063.8	1090.8	1125.0	1141.2
67.5°	932.4	945.0	970.2	1002.6	1026.0
70°	819.0	826.2	846.0	876.6	896.4
72.5°	700.2	711.0	725.4	754.2	779.4
75°	588.6	592.2	606.6	635.4	649.8
77.5°	462.6	471.6	491.4	516.6	529.2
80°	351.0	354.6	372.6	397.8	406.8
82.5°	234.0	239.4	259.2	284.4	291.6
85°	129.6	131.4	147.6	174.6	181.8
87.5°	36.0	37.8	46.8	70.2	81.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)