

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: P303016

Luminaire Tested: **CTW-F-0100-40L940-UNV-STD-4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P303016  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-181-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: CTW-F-0100-40L940-UNV-STD-4  
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE  
0% UPLIGHT, 100% DOWNLIGHT, 4000 LUMEN PACKAGE  
Light Source: 4000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3656.0 lumens  
Efficiency: N/A  
Efficacy: 98.3 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.23 / 1.32  
Luminous Opening: Rectangular (W 4' x L: 0.12' x H: 0')  
CIE Type: Direct

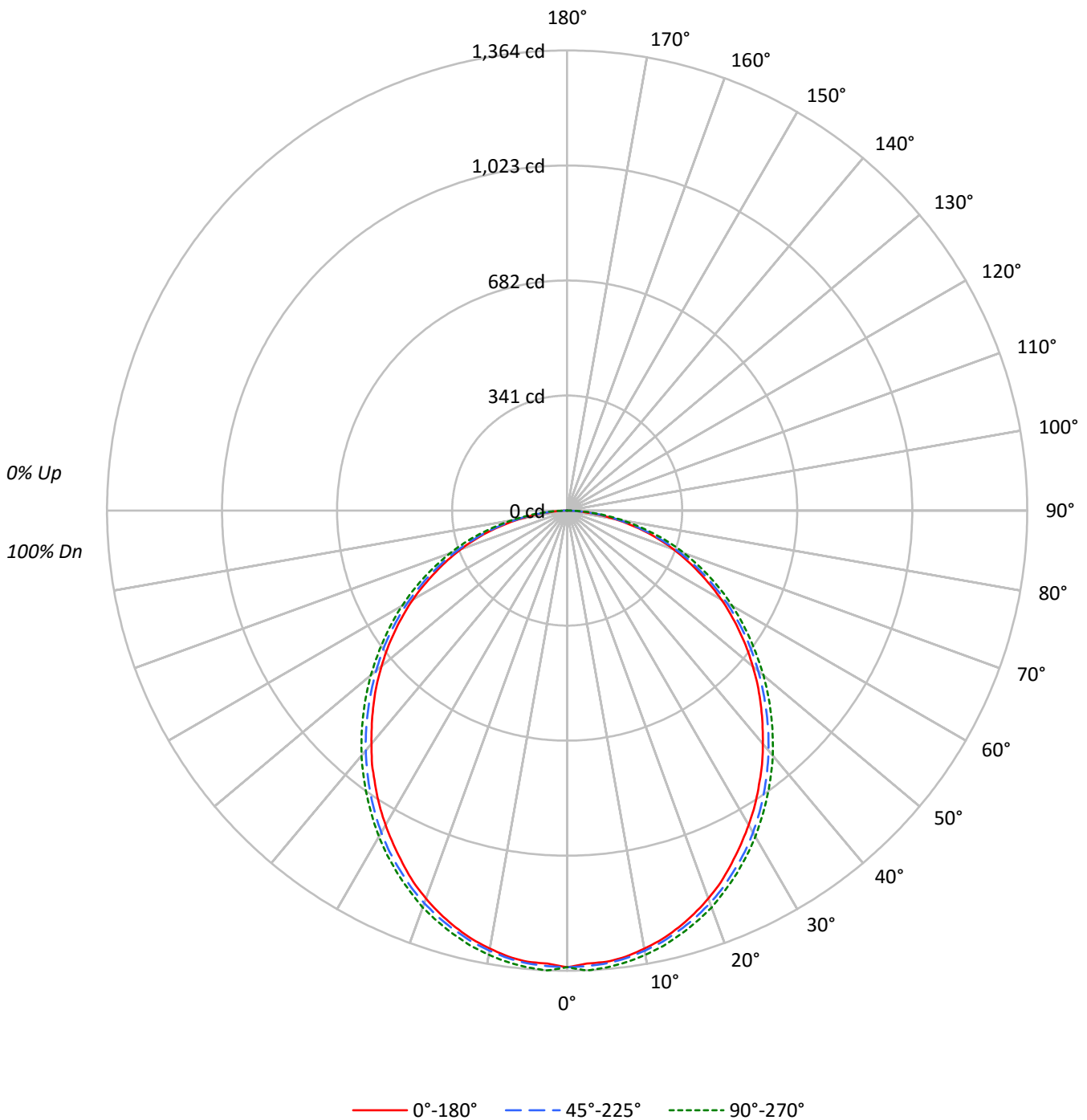
Input Watts (W): 37.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	79	71	65	88	78	70	64	75	68	63	72	67	62	70	65	61	59
4	83	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°	29140	29140	29140
5°	29018	29115	29368
10°	28822	28960	29235
15°	28503	28704	28985
20°	28041	28371	28680
25°	27407	27898	28219
30°	26757	27384	27742
35°	26065	26751	27177
40°	25368	26102	26658
45°	24715	25400	26030
50°	24053	24747	25440
55°	23409	24152	24828
60°	22746	23483	24335
65°	21914	22739	23794
70°	21130	21866	23226
75°	19838	20736	22308
80°	17518	18856	20865
85°	12671	14894	18674



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	127.8	3.5
10°-20°	362.3	9.9
20°-30°	538.0	14.7
30°-40°	632.6	17.3
40°-50°	641.5	17.5
50°-60°	574.3	15.7
60°-70°	442.9	12.1
70°-80°	264.3	7.2
80°-90°	72.3	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°	1028.1	28.1
0°-40°	1660.7	45.4
0°-60°	2876.5	78.7
0°-90°	3656.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3656.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1354	1354	1354	1354	1354	
5°	1343	1343	1347	1343	1359	127
15°	1279	1281	1288	1283	1300	360
25°	1154	1156	1174	1172	1188	532
35°	992	994	1018	1019	1034	621
45°	812	814	834	843	855	626
55°	624	628	644	655	662	558
65°	430	435	446	459	467	426
75°	238	240	249	258	268	252
85°	51	53	60	70	76	63
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1353.6	1353.6	1353.6	1353.6	1353.6
2.5°	1343.7	1349.1	1351.8	1348.2	1364.4
5°	1342.8	1342.8	1347.3	1342.8	1359.0
7.5°	1333.8	1333.8	1338.3	1333.8	1350.0
10°	1318.5	1319.4	1324.8	1321.2	1337.4
12.5°	1301.4	1300.5	1308.6	1304.1	1321.2
15°	1278.9	1280.7	1287.9	1283.4	1300.5
17.5°	1252.8	1255.5	1264.5	1260.0	1277.1
20°	1224.0	1224.9	1238.4	1233.0	1251.9
22.5°	1191.6	1190.7	1208.7	1204.2	1220.4
25°	1153.8	1155.6	1174.5	1171.8	1188.0
27.5°	1115.1	1117.8	1140.3	1135.8	1152.9
30°	1076.4	1078.2	1101.6	1098.0	1116.0
32.5°	1035.9	1037.7	1061.1	1060.2	1075.5
35°	991.8	994.5	1017.9	1018.8	1034.1
37.5°	949.5	950.4	973.8	976.5	991.8
40°	902.7	906.3	928.8	933.3	948.6
42.5°	856.8	860.4	882.0	888.3	901.8
45°	811.8	814.5	834.3	843.3	855.0
47.5°	765.9	767.7	786.6	796.5	807.3
50°	718.2	721.8	738.9	748.8	759.6
52.5°	671.4	675.0	692.1	702.0	710.1
55°	623.7	628.2	643.5	655.2	661.5
57.5°	576.0	580.5	594.9	606.6	613.8
60°	528.3	532.8	545.4	558.0	565.2
62.5°	478.8	484.2	495.9	509.4	516.6
65°	430.2	434.7	446.4	459.0	467.1
67.5°	382.5	387.0	396.9	408.6	417.6
70°	335.7	338.4	347.4	359.1	369.0
72.5°	288.0	290.7	297.9	308.7	319.5
75°	238.5	240.3	249.3	258.3	268.2
77.5°	189.0	190.8	198.9	208.8	216.9
80°	141.3	144.0	152.1	161.1	168.3
82.5°	94.5	96.3	106.2	115.2	120.6
85°	51.3	53.1	60.3	70.2	75.6
87.5°	13.5	14.4	18.9	27.9	34.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)