

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: P303013

Luminaire Tested: **CTW-F-0100-40L840-UNV-STD-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P303013
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-0100-40L840-UNV-STD-4
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE
0% UPLIGHT, 100% DOWNLIGHT, 4000 LUMEN PACKAGE
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

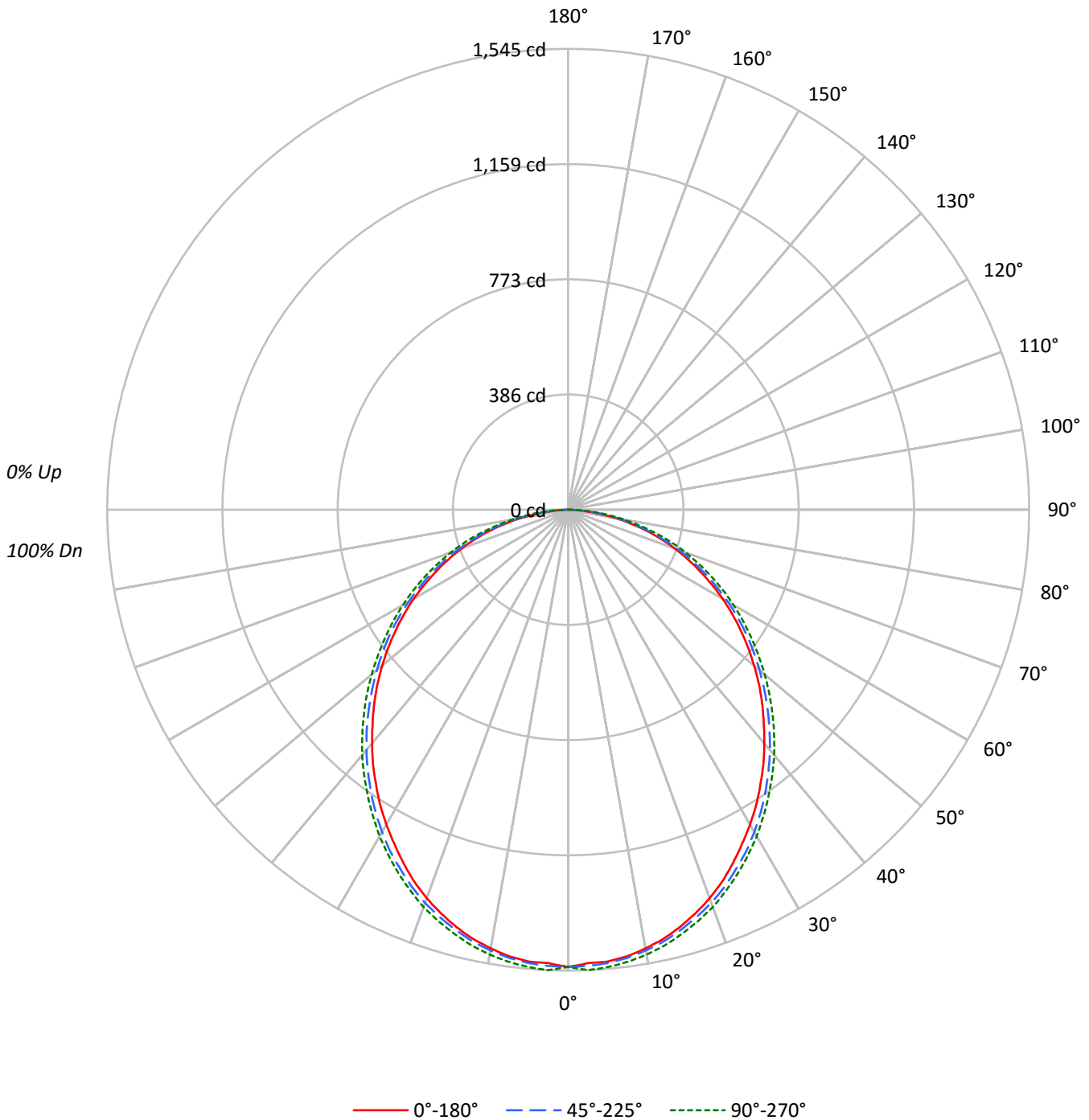
Lumens per Lamp: N/A
Luminaire Lumens: 4140.3 lumens
Efficiency: N/A
Efficacy: 111.3 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.23 / 1.32
Luminous Opening: Rectangular (W 4' x L: 0.12' x H: 0')
CIE Type: Direct

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°	33000	33000	33000
5°	32862	32973	33258
10°	32641	32796	33109
15°	32279	32506	32825
20°	31757	32130	32481
25°	31038	31594	31958
30°	30302	31011	31416
35°	29518	30296	30777
40°	28729	29558	30191
45°	27988	28764	29480
50°	27239	28026	28809
55°	26509	27354	28116
60°	25760	26595	27560
65°	24818	25750	26947
70°	23931	24762	26304
75°	22466	23481	25261
80°	19836	21361	23629
85°	14351	16870	21144



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.7	3.5
10°-20°	410.3	9.9
20°-30°	609.3	14.7
30°-40°	716.4	17.3
40°-50°	726.5	17.5
50°-60°	650.4	15.7
60°-70°	501.5	12.1
70°-80°	299.3	7.2
80°-90°	81.9	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°	1164.4	28.1
0°-40°	1880.7	45.4
0°-60°	3257.6	78.7
0°-90°	4140.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4140.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1533	1533	1533	1533	1533	
5°	1521	1521	1526	1521	1539	144
15°	1448	1450	1458	1453	1473	408
25°	1307	1309	1330	1327	1345	602
35°	1123	1126	1153	1154	1171	703
45°	919	922	945	955	968	709
55°	706	711	729	742	749	632
65°	487	492	506	520	529	483
75°	270	272	282	292	304	285
85°	58	60	68	80	86	71
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1532.9	1532.9	1532.9	1532.9	1532.9
2.5°	1521.7	1527.8	1530.9	1526.8	1545.2
5°	1520.7	1520.7	1525.8	1520.7	1539.0
7.5°	1510.5	1510.5	1515.6	1510.5	1528.8
10°	1493.2	1494.2	1500.3	1496.2	1514.6
12.5°	1473.8	1472.8	1482.0	1476.9	1496.2
15°	1448.3	1450.4	1458.5	1453.4	1472.8
17.5°	1418.8	1421.8	1432.0	1426.9	1446.3
20°	1386.2	1387.2	1402.5	1396.3	1417.8
22.5°	1349.5	1348.4	1368.8	1363.7	1382.1
25°	1306.7	1308.7	1330.1	1327.0	1345.4
27.5°	1262.8	1265.9	1291.4	1286.3	1305.6
30°	1219.0	1221.0	1247.5	1243.5	1263.8
32.5°	1173.1	1175.2	1201.7	1200.7	1218.0
35°	1123.2	1126.3	1152.8	1153.8	1171.1
37.5°	1075.3	1076.3	1102.8	1105.9	1123.2
40°	1022.3	1026.4	1051.8	1056.9	1074.3
42.5°	970.3	974.4	998.8	1006.0	1021.3
45°	919.3	922.4	944.8	955.0	968.3
47.5°	867.4	869.4	890.8	902.0	914.3
50°	813.3	817.4	836.8	848.0	860.2
52.5°	760.3	764.4	783.8	795.0	804.2
55°	706.3	711.4	728.8	742.0	749.1
57.5°	652.3	657.4	673.7	687.0	695.1
60°	598.3	603.4	617.7	631.9	640.1
62.5°	542.2	548.3	561.6	576.9	585.0
65°	487.2	492.3	505.5	519.8	529.0
67.5°	433.2	438.3	449.5	462.7	472.9
70°	380.2	383.2	393.4	406.7	417.9
72.5°	326.2	329.2	337.4	349.6	361.8
75°	270.1	272.1	282.3	292.5	303.7
77.5°	214.0	216.1	225.3	236.5	245.6
80°	160.0	163.1	172.3	182.4	190.6
82.5°	107.0	109.1	120.3	130.5	136.6
85°	58.1	60.1	68.3	79.5	85.6
87.5°	15.3	16.3	21.4	31.6	38.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)