

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: P303031

Luminaire Tested: **CTW-F-0100-50L930-UNV-STD-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P303031
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-0100-50L930-UNV-STD-4
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE
0% UPLIGHT, 100% DOWNLIGHT, 5000 LUMEN PACKAGE
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

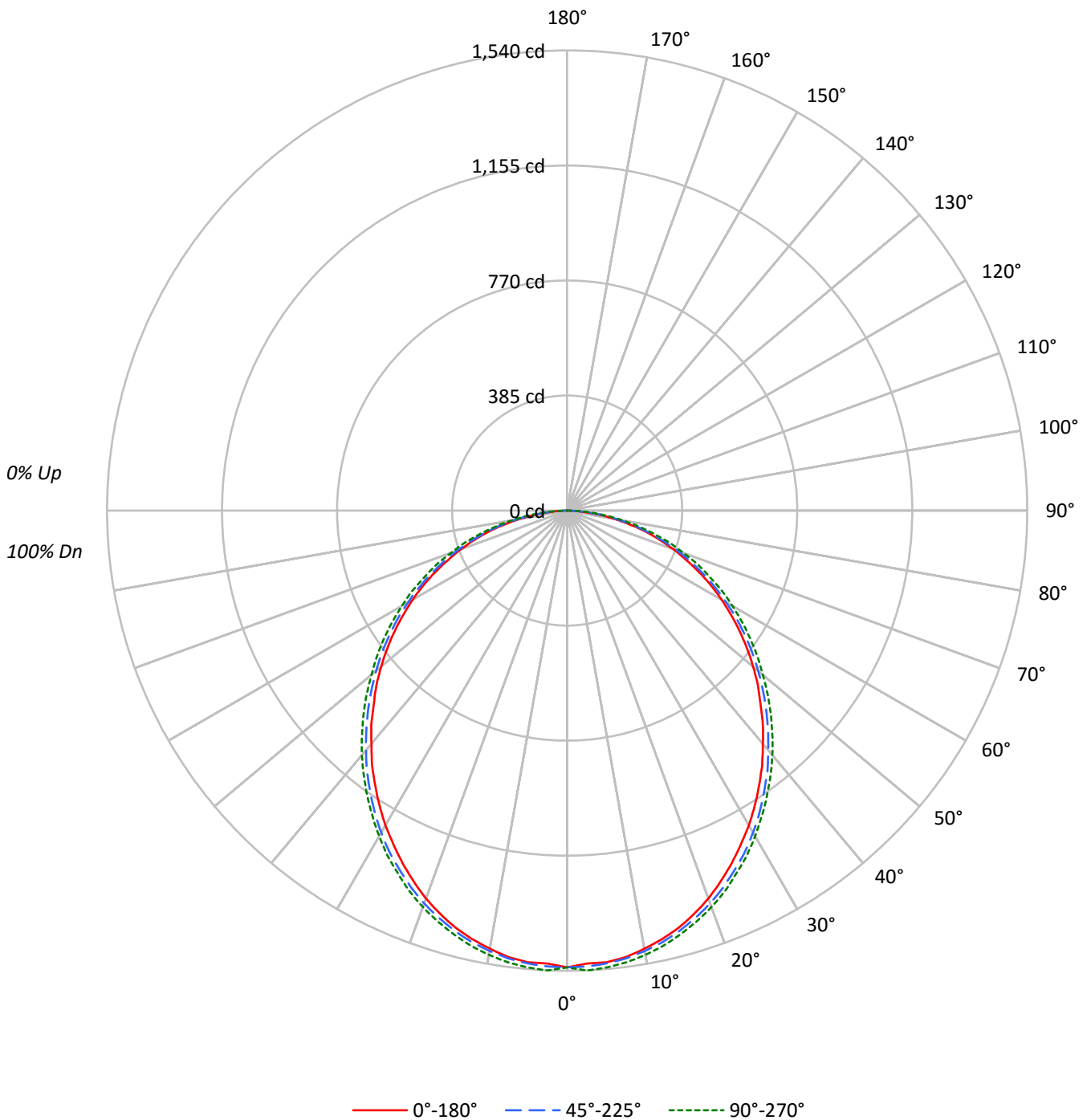
Lumens per Lamp: N/A
Luminaire Lumens: 4131.1 lumens
Efficiency: N/A
Efficacy: 87.3 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.22 / 1.32
Luminous Opening: Rectangular (W 4' x L: 0.12' x H: 0')
CIE Type: Direct

Input Watts (W): 47.3
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°	32910	32910	32910
5°	32785	32873	33161
10°	32545	32709	33000
15°	32198	32439	32718
20°	31649	32050	32355
25°	30939	31511	31827
30°	30228	30931	31282
35°	29442	30186	30646
40°	28634	29426	30036
45°	27854	28664	29349
50°	27215	27938	28635
55°	26472	27252	28097
60°	25713	26501	27504
65°	24828	25673	26860
70°	23818	24604	26071
75°	22624	23315	24978
80°	20109	21348	23307
85°	14796	16846	20748



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.3	3.5
10°-20°	409.3	9.9
20°-30°	607.8	14.7
30°-40°	714.6	17.3
40°-50°	724.5	17.5
50°-60°	648.8	15.7
60°-70°	500.4	12.1
70°-80°	299.0	7.2
80°-90°	82.3	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°	1161.4	28.1
0°-40°	1876.0	45.4
0°-60°	3249.3	78.7
0°-90°	4131.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4131.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1529	1529	1529	1529	1529	
5°	1517	1517	1521	1517	1534	144
15°	1445	1447	1456	1450	1468	407
25°	1302	1307	1327	1323	1340	600
35°	1120	1124	1149	1152	1166	701
45°	915	922	942	951	964	708
55°	705	709	726	739	749	631
65°	487	492	504	520	527	482
75°	272	274	280	294	300	285
85°	60	61	68	81	84	72
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1528.7	1528.7	1528.7	1528.7	1528.7
2.5°	1517.1	1523.7	1527.1	1522.9	1540.4
5°	1517.1	1517.1	1521.2	1517.1	1534.5
7.5°	1507.1	1506.3	1511.3	1507.1	1524.6
10°	1488.8	1489.6	1496.3	1492.1	1509.6
12.5°	1468.8	1469.7	1478.8	1473.0	1491.3
15°	1444.7	1447.2	1455.5	1449.7	1468.0
17.5°	1414.8	1418.9	1428.9	1423.9	1441.4
20°	1381.5	1383.2	1399.0	1394.0	1412.3
22.5°	1343.2	1345.7	1364.9	1359.9	1379.0
25°	1302.5	1306.6	1326.6	1323.3	1339.9
27.5°	1259.2	1264.2	1288.4	1284.2	1301.7
30°	1216.0	1220.1	1244.3	1241.8	1258.4
32.5°	1169.4	1173.6	1198.5	1197.7	1212.7
35°	1120.3	1124.5	1148.6	1151.9	1166.1
37.5°	1072.1	1075.4	1100.4	1104.5	1117.8
40°	1018.9	1025.5	1047.1	1053.0	1068.8
42.5°	969.8	974.0	994.8	1003.1	1016.4
45°	914.9	921.6	941.5	950.7	964.0
47.5°	865.8	869.2	888.3	899.9	909.9
50°	812.6	815.9	834.2	846.7	855.0
52.5°	759.4	762.7	781.0	793.5	802.6
55°	705.3	708.6	726.1	739.4	748.6
57.5°	651.2	655.4	671.2	687.0	693.7
60°	597.2	601.3	615.5	631.3	638.8
62.5°	542.3	546.4	559.8	575.6	585.5
65°	487.4	491.6	504.0	519.8	527.3
67.5°	430.8	436.7	448.3	463.3	474.1
70°	378.4	381.8	390.9	405.1	414.2
72.5°	323.5	328.5	335.2	348.5	360.1
75°	272.0	273.6	280.3	293.6	300.3
77.5°	213.8	217.9	227.1	238.7	244.5
80°	162.2	163.9	172.2	183.8	188.0
82.5°	108.1	110.6	119.8	131.4	134.7
85°	59.9	60.7	68.2	80.7	84.0
87.5°	16.6	17.5	21.6	32.4	37.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)