

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: P303032

Luminaire Tested: **CTW-F-0100-50L935-UNV-STD-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P303032
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-0100-50L935-UNV-STD-4
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE
0% UPLIGHT, 100% DOWNLIGHT, 5000 LUMEN PACKAGE
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

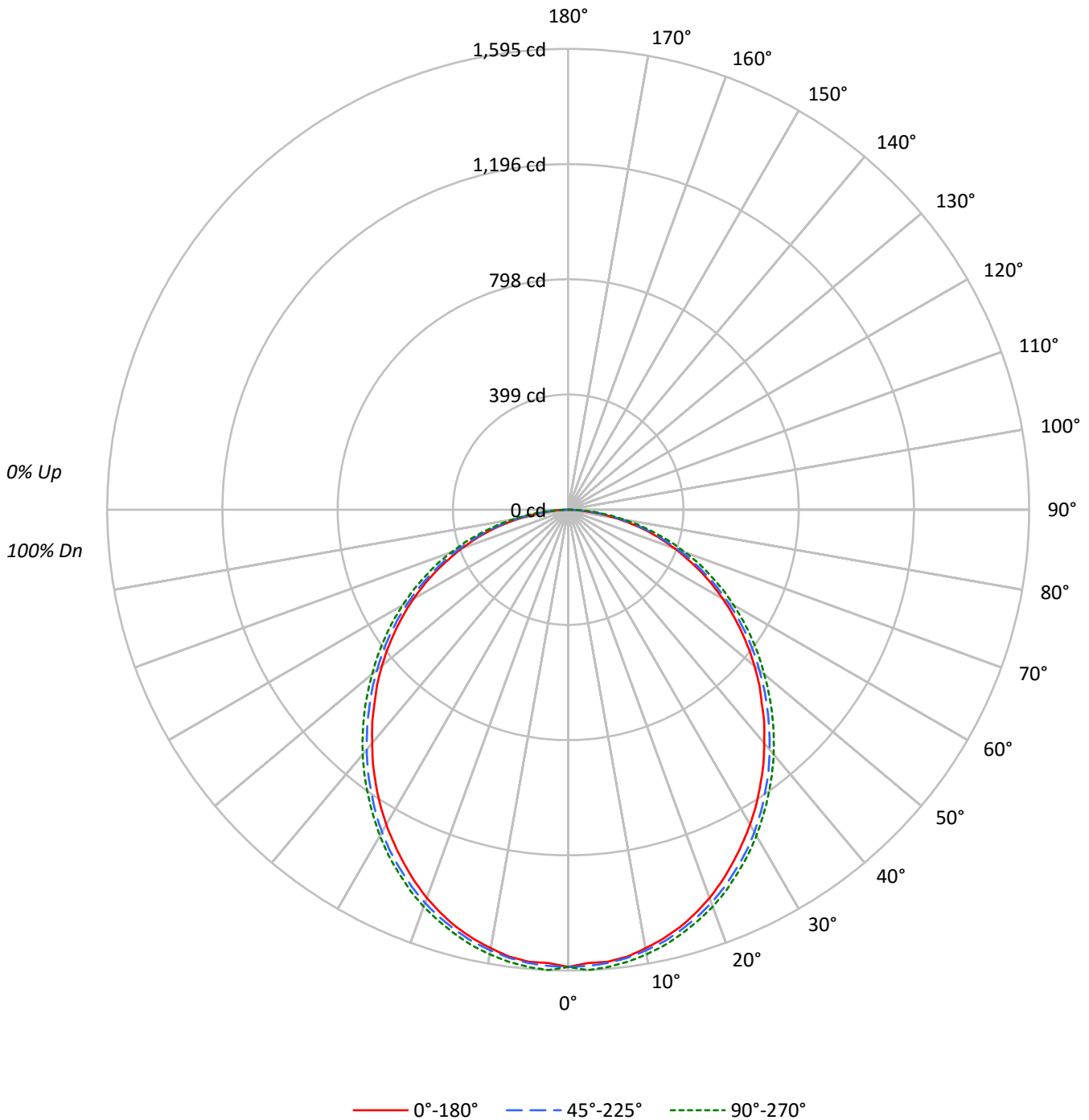
Lumens per Lamp: N/A
Luminaire Lumens: 4276.5 lumens
Efficiency: N/A
Efficacy: 90.4 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.22 / 1.32
Luminous Opening: Rectangular (W 4' x L: 0.12' x H: 0')
CIE Type: Direct

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°	34068	34068	34068
5°	33939	34032	34328
10°	33691	33859	34161
15°	33333	33582	33870
20°	32763	33177	33494
25°	32027	32620	32948
30°	31291	32020	32383
35°	30480	31248	31723
40°	29640	30463	31093
45°	28834	29675	30381
50°	28173	28923	29643
55°	27403	28213	29084
60°	26617	27431	28468
65°	25699	26580	27808
70°	24661	25473	26990
75°	23414	24138	25851
80°	20815	22092	24125
85°	15314	17438	21489



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.4	3.5
10°-20°	423.7	9.9
20°-30°	629.2	14.7
30°-40°	739.7	17.3
40°-50°	750.0	17.5
50°-60°	671.6	15.7
60°-70°	518.1	12.1
70°-80°	309.5	7.2
80°-90°	85.2	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°	1202.3	28.1
0°-40°	1942.1	45.4
0°-60°	3363.7	78.7
0°-90°	4276.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4276.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1582	1582	1582	1582	1582	
5°	1570	1570	1575	1570	1588	149
15°	1496	1498	1507	1501	1520	421
25°	1348	1353	1373	1370	1387	621
35°	1160	1164	1189	1192	1207	726
45°	947	954	975	984	998	733
55°	730	734	752	765	775	653
65°	504	509	522	538	546	499
75°	282	283	290	304	311	295
85°	62	63	71	84	87	75
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1582.5	1582.5	1582.5	1582.5	1582.5
2.5°	1570.5	1577.4	1580.8	1576.5	1594.6
5°	1570.5	1570.5	1574.8	1570.5	1588.5
7.5°	1560.1	1559.3	1564.4	1560.1	1578.2
10°	1541.2	1542.1	1548.9	1544.6	1562.7
12.5°	1520.5	1521.4	1530.9	1524.8	1543.8
15°	1495.6	1498.1	1506.8	1500.7	1519.7
17.5°	1464.6	1468.9	1479.2	1474.0	1492.1
20°	1430.1	1431.8	1448.2	1443.0	1462.0
22.5°	1390.5	1393.1	1412.9	1407.7	1427.5
25°	1348.3	1352.6	1373.3	1369.9	1387.1
27.5°	1303.6	1308.7	1333.7	1329.4	1347.5
30°	1258.8	1263.1	1288.1	1285.5	1302.7
32.5°	1210.6	1214.9	1240.7	1239.8	1255.3
35°	1159.8	1164.1	1189.0	1192.5	1207.1
37.5°	1109.8	1113.3	1139.1	1143.4	1157.2
40°	1054.7	1061.6	1084.0	1090.0	1106.4
42.5°	1003.9	1008.2	1029.8	1038.4	1052.1
45°	947.1	954.0	974.7	984.1	997.9
47.5°	896.3	899.7	919.5	931.6	941.9
50°	841.2	844.6	863.6	876.5	885.1
52.5°	786.1	789.5	808.5	821.4	830.9
55°	730.1	733.6	751.7	765.4	774.9
57.5°	674.2	678.5	694.8	711.2	718.1
60°	618.2	622.5	637.1	653.5	661.2
62.5°	561.4	565.7	579.5	595.8	606.1
65°	504.5	508.9	521.8	538.1	545.9
67.5°	446.0	452.0	464.1	479.6	490.8
70°	391.8	395.2	404.7	419.3	428.8
72.5°	334.9	340.1	347.0	360.8	372.8
75°	281.5	283.3	290.2	303.9	310.8
77.5°	221.3	225.6	235.1	247.1	253.1
80°	167.9	169.6	178.2	190.3	194.6
82.5°	111.9	114.5	124.0	136.0	139.5
85°	62.0	62.9	70.6	83.5	87.0
87.5°	17.2	18.1	22.4	33.6	38.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)