

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: P303033

Luminaire Tested: **CTW-F-0100-50L940-UNV-STD-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P303033
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-4
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: 4470.2 lumens
Efficiency: N/A
Efficacy: 94.5 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

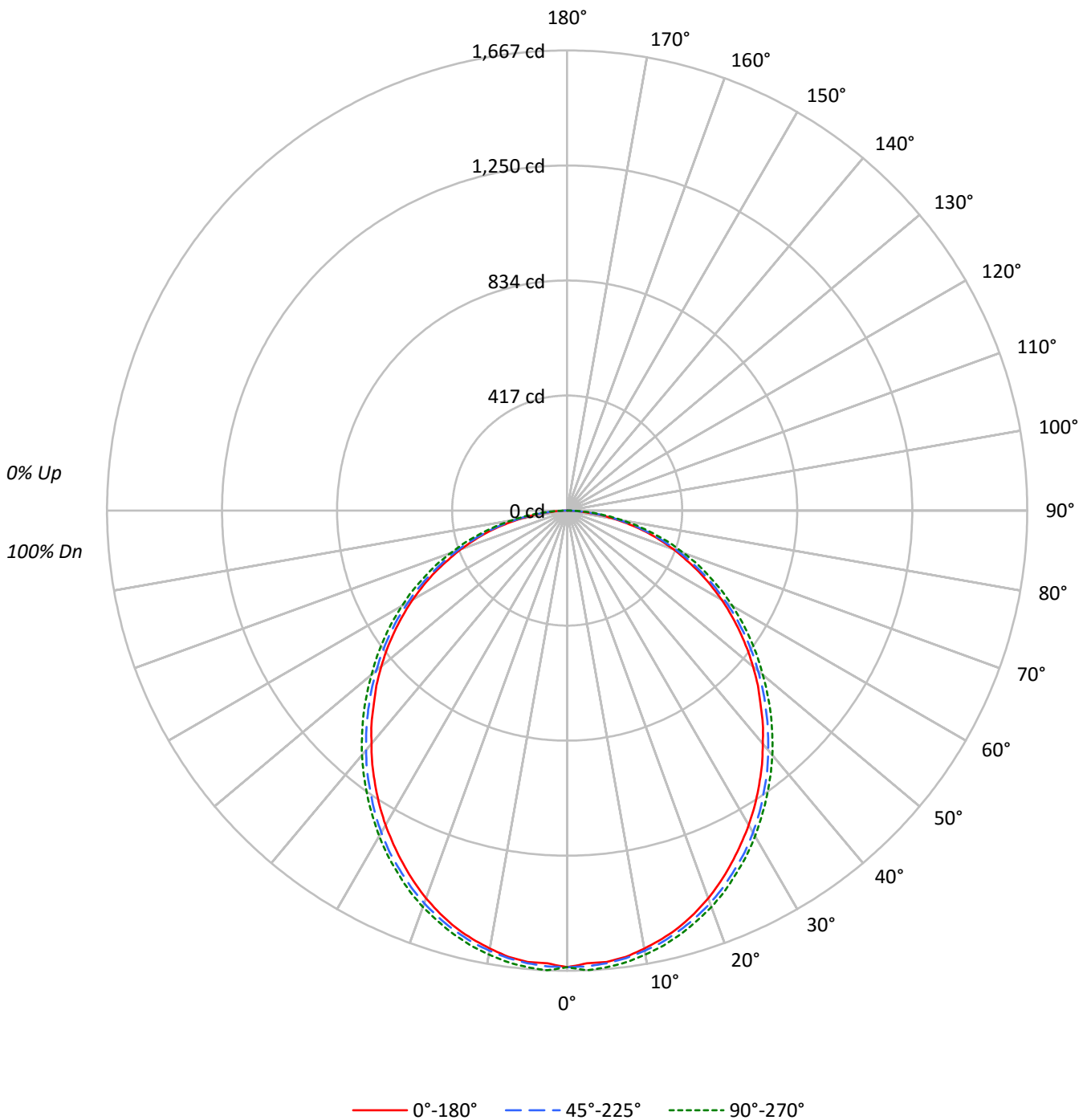
Input Watts (W): 47.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	35611	35611	35611
5°	35475	35572	35884
10°	35216	35393	35708
15°	34842	35102	35403
20°	34247	34680	35010
25°	33478	34098	34440
30°	32708	33469	33849
35°	31860	32664	33161
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°	156.1	3.5
10°-20°	442.9	9.9
20°-30°	657.7	14.7
30°-40°	773.3	17.3
40°-50°	783.9	17.5
50°-60°	702.1	15.7
60°-70°	541.5	12.1
70°-80°	323.5	7.2
80°-90°	89.1	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°	1256.8	28.1
0°-40°	2030.0	45.4
0°-60°	3516.0	78.7
0°-90°	4470.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4470.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1654	1654	1654	1654	1654	
5°	1642	1642	1646	1642	1660	156
15°	1563	1566	1575	1569	1588	440
25°	1409	1414	1436	1432	1450	649
35°	1212	1217	1243	1246	1262	759
45°	990	997	1019	1029	1043	766
55°	763	767	786	800	810	683
65°	527	532	545	562	571	522
75°	294	296	303	318	325	308
85°	65	66	74	87	91	78
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1654.2	1654.2	1654.2	1654.2	1654.2
2.5°	1641.6	1648.8	1652.4	1647.9	1666.8
5°	1641.6	1641.6	1646.1	1641.6	1660.5
7.5°	1630.8	1629.9	1635.3	1630.8	1649.7
10°	1611.0	1611.9	1619.1	1614.6	1633.5
12.5°	1589.4	1590.3	1600.2	1593.9	1613.7
15°	1563.3	1566.0	1575.0	1568.7	1588.5
17.5°	1530.9	1535.4	1546.2	1540.8	1559.7
20°	1494.9	1496.7	1513.8	1508.4	1528.2
22.5°	1453.5	1456.2	1476.9	1471.5	1492.2
25°	1409.4	1413.9	1435.5	1431.9	1449.9
27.5°	1362.6	1368.0	1394.1	1389.6	1408.5
30°	1315.8	1320.3	1346.4	1343.7	1361.7
32.5°	1265.4	1269.9	1296.9	1296.0	1312.2
35°	1212.3	1216.8	1242.9	1246.5	1261.8
37.5°	1160.1	1163.7	1190.7	1195.2	1209.6
40°	1102.5	1109.7	1133.1	1139.4	1156.5
42.5°	1049.4	1053.9	1076.4	1085.4	1099.8
45°	990.0	997.2	1018.8	1028.7	1043.1
47.5°	936.9	940.5	961.2	973.8	984.6
50°	879.3	882.9	902.7	916.2	925.2
52.5°	821.7	825.3	845.1	858.6	868.5
55°	763.2	766.8	785.7	800.1	810.0
57.5°	704.7	709.2	726.3	743.4	750.6
60°	646.2	650.7	666.0	683.1	691.2
62.5°	586.8	591.3	605.7	622.8	633.6
65°	527.4	531.9	545.4	562.5	570.6
67.5°	466.2	472.5	485.1	501.3	513.0
70°	409.5	413.1	423.0	438.3	448.2
72.5°	350.1	355.5	362.7	377.1	389.7
75°	294.3	296.1	303.3	317.7	324.9
77.5°	231.3	235.8	245.7	258.3	264.6
80°	175.5	177.3	186.3	198.9	203.4
82.5°	117.0	119.7	129.6	142.2	145.8
85°	64.8	65.7	73.8	87.3	90.9
87.5°	18.0	18.9	23.4	35.1	40.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)