

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: P303011

Luminaire Tested: **CTW-F-0100-30L940-UNV-STD-8**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P303011
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-181-16)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: CTW-F-0100-30L940-UNV-STD-8
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE
0% UPLIGHT, 100% DOWNLIGHT, 3000 LUMEN PACKAGE
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5412.7 lumens
Efficiency: N/A
Efficacy: 98.6 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.23 / 1.32
Luminous Opening: Rectangular (W 8' x L: 0.12' x H: 0')
CIE Type: Direct

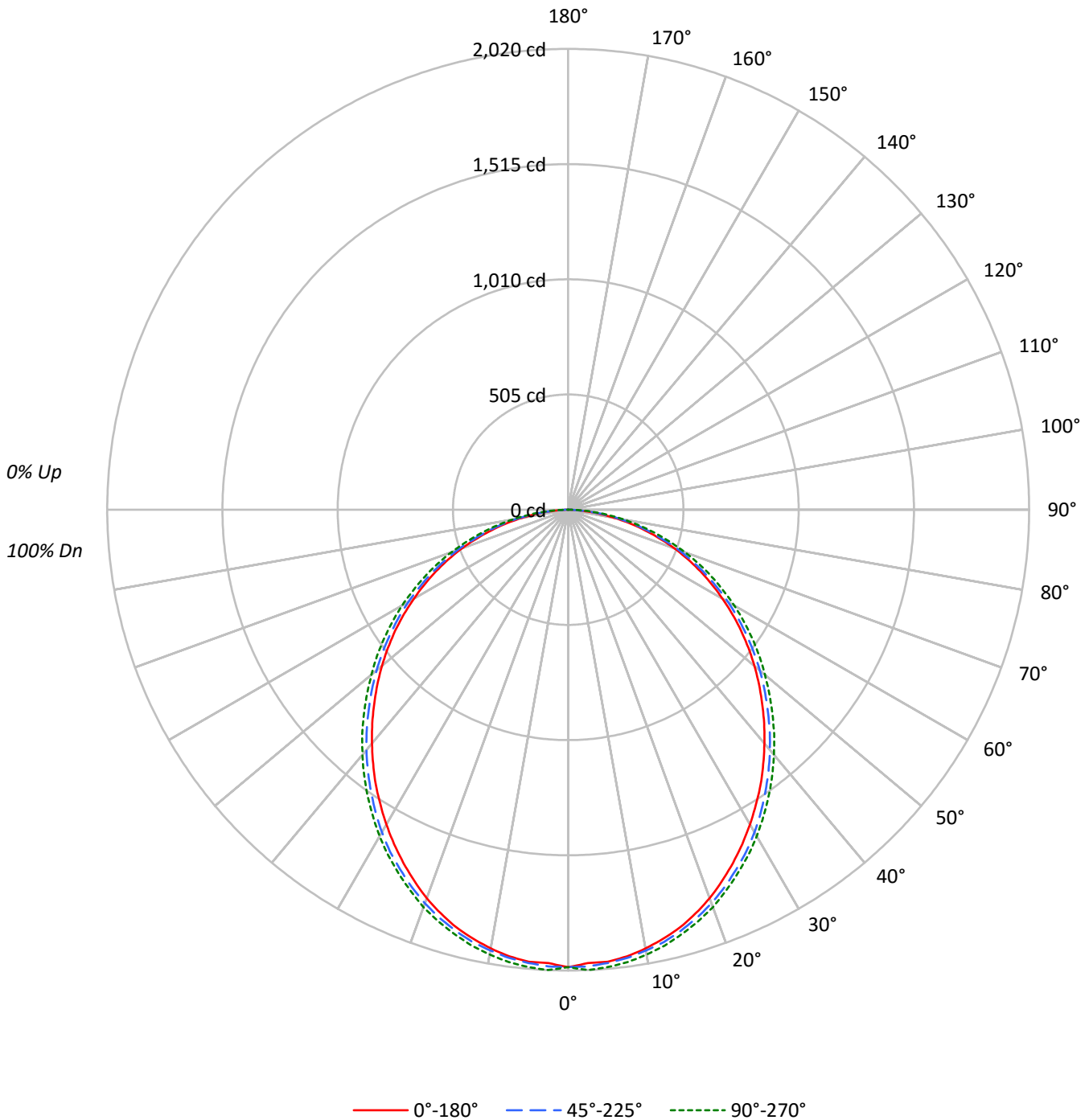
Input Watts (W): 54.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P303011

CATALOG NUMBER: CTW-F-0100-30L940-UNV-STD-8

Luminous Intensity Polar Plot





TEST NUMBER: P303011

CATALOG NUMBER: CTW-F-0100-30L940-UNV-STD-8

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	80	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	42	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°	21584	21584	21584
5°	21491	21550	21744
10°	21346	21445	21641
15°	21122	21282	21463
20°	20763	21031	21237
25°	20288	20673	20886
30°	19800	20292	20538
35°	19324	19797	20128
40°	18792	19323	19703
45°	18304	18797	19263
50°	17844	18357	18839
55°	17363	17869	18477
60°	16818	17399	18096
65°	16275	16825	17650
70°	15578	16258	17108
75°	14448	15271	16319
80°	12720	14059	15286
85°	9114	10671	13783



TEST NUMBER: P303011

CATALOG NUMBER: CTW-F-0100-30L940-UNV-STD-8

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	189.2	3.5
10°-20°	537.0	9.9
20°-30°	797.1	14.7
30°-40°	937.0	17.3
40°-50°	950.5	17.6
50°-60°	850.7	15.7
60°-70°	655.6	12.1
70°-80°	389.4	7.2
80°-90°	106.2	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°	1523.3	28.1
0°-40°	2460.3	45.5
0°-60°	4261.5	78.7
0°-90°	5412.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5412.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2005	2005	2005	2005	2005	
5°	1989	1989	1994	1989	2012	189
15°	1895	1899	1910	1903	1926	534
25°	1708	1710	1741	1735	1759	787
35°	1471	1474	1507	1508	1532	919
45°	1202	1208	1235	1249	1265	928
55°	925	929	952	968	985	827
65°	639	644	661	679	693	632
75°	347	355	367	380	392	368
85°	74	76	86	106	112	90
90°	0	0	0	0	0	



TEST NUMBER: P303011

CATALOG NUMBER: CTW-F-0100-30L940-UNV-STD-8

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2005.2	2005.2	2005.2	2005.2	2005.2
2.5°	1989.0	1998.0	2003.4	1998.0	2019.6
5°	1989.0	1989.0	1994.4	1989.0	2012.4
7.5°	1974.6	1974.6	1981.8	1976.4	1999.8
10°	1953.0	1954.8	1962.0	1956.6	1980.0
12.5°	1926.0	1927.8	1940.4	1931.4	1956.6
15°	1895.4	1899.0	1909.8	1902.6	1926.0
17.5°	1855.8	1861.2	1875.6	1866.6	1891.8
20°	1812.6	1814.4	1836.0	1828.8	1854.0
22.5°	1762.2	1762.2	1791.0	1783.8	1807.2
25°	1708.2	1710.0	1740.6	1735.2	1758.6
27.5°	1652.4	1657.8	1690.2	1684.8	1708.2
30°	1593.0	1598.4	1632.6	1629.0	1652.4
32.5°	1531.8	1537.2	1571.4	1569.6	1593.0
35°	1470.6	1474.2	1506.6	1508.4	1531.8
37.5°	1404.0	1409.4	1441.8	1447.2	1468.8
40°	1337.4	1344.6	1375.2	1382.4	1402.2
42.5°	1270.8	1276.2	1306.8	1315.8	1335.6
45°	1202.4	1207.8	1234.8	1249.2	1265.4
47.5°	1134.0	1139.4	1166.4	1177.2	1195.2
50°	1065.6	1069.2	1096.2	1110.6	1125.0
52.5°	995.4	1000.8	1024.2	1038.6	1056.6
55°	925.2	928.8	952.2	968.4	984.6
57.5°	853.2	858.6	880.2	898.2	912.6
60°	781.2	786.6	808.2	824.4	840.6
62.5°	709.2	716.4	734.4	754.2	765.0
65°	639.0	644.4	660.6	678.6	693.0
67.5°	567.0	572.4	586.8	604.8	619.2
70°	495.0	500.4	516.6	531.0	543.6
72.5°	419.4	424.8	437.4	453.6	466.2
75°	347.4	354.6	367.2	379.8	392.4
77.5°	277.2	284.4	297.0	311.4	318.6
80°	205.2	212.4	226.8	239.4	246.6
82.5°	136.8	140.4	156.6	172.8	178.2
85°	73.8	75.6	86.4	106.2	111.6
87.5°	18.0	19.8	27.0	41.4	48.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)