

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: P303020

Luminaire Tested: **CTW-F-0100-40L930-UNV-STD-6**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P303020
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-0100-40L930-UNV-STD-6
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE
0% UPLIGHT, 100% DOWNLIGHT, 4000 LUMEN PACKAGE
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

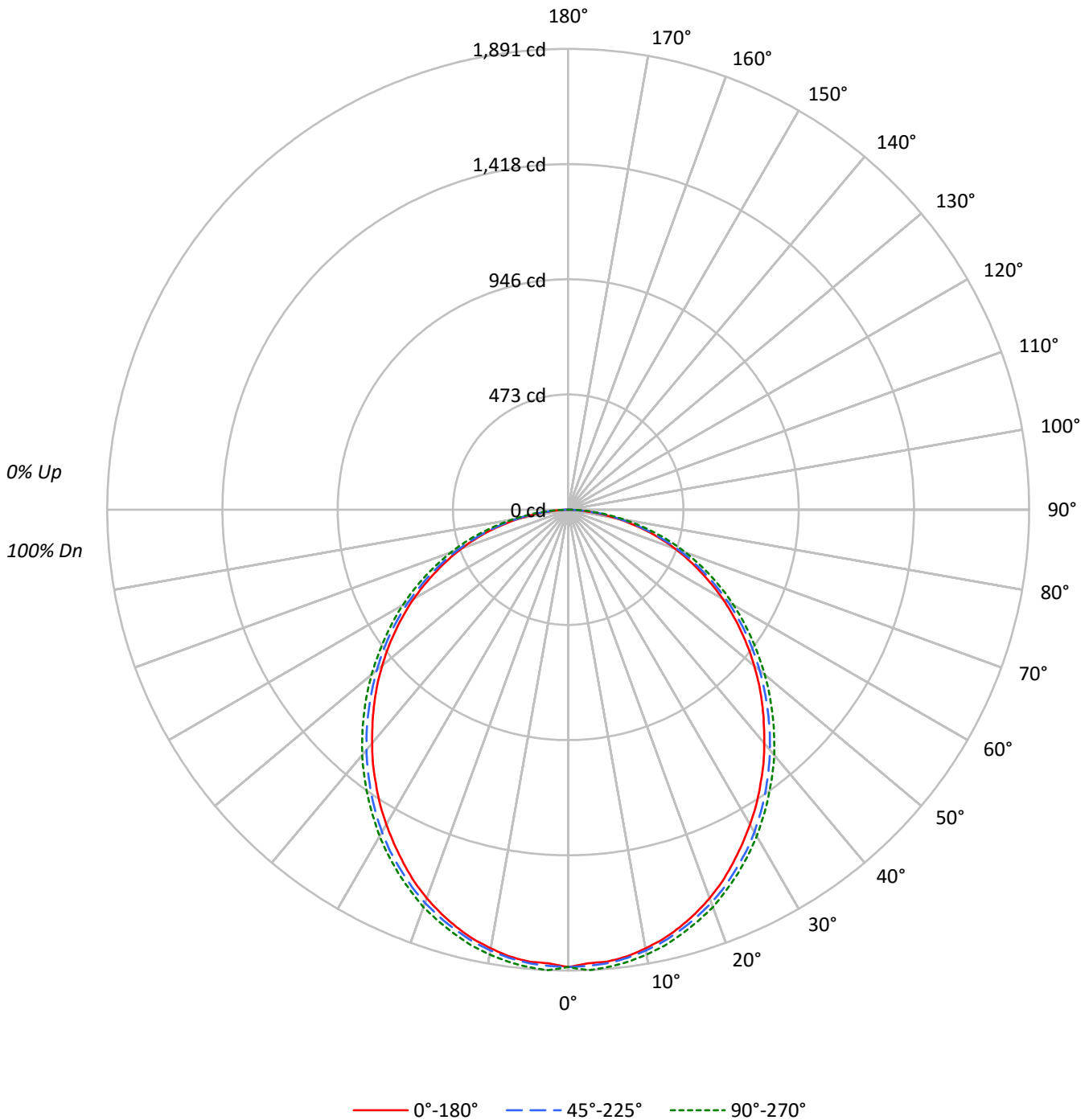
Lumens per Lamp: N/A
Luminaire Lumens: 5068.0 lumens
Efficiency: N/A
Efficacy: 89.4 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.23 / 1.32
Luminous Opening: Rectangular (W 6' x L: 0.12' x H: 0')
CIE Type: Direct

Input Watts (W): 56.7
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°	26930	26930	26930
5°	26817	26907	27141
10°	26636	26764	27017
15°	26341	26526	26786
20°	25914	26219	26505
25°	25327	25782	26078
30°	24727	25307	25637
35°	24089	24721	25116
40°	23443	24121	24637
45°	22840	23473	24056
50°	22229	22870	23511
55°	21634	22319	22945
60°	21020	21700	22489
65°	20253	21014	21989
70°	19529	20209	21464
75°	18332	19164	20617
80°	16191	17422	19282
85°	11708	13766	17257



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	177.1	3.5
10°-20°	502.3	9.9
20°-30°	745.8	14.7
30°-40°	876.9	17.3
40°-50°	889.3	17.5
50°-60°	796.2	15.7
60°-70°	613.9	12.1
70°-80°	366.3	7.2
80°-90°	100.2	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°	1425.2	28.1
0°-40°	2302.1	45.4
0°-60°	3987.5	78.7
0°-90°	5068.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5068.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1876	1876	1876	1876	1876	
5°	1861	1861	1868	1861	1884	177
15°	1773	1775	1785	1779	1803	500
25°	1599	1602	1628	1624	1647	737
35°	1375	1379	1411	1412	1434	861
45°	1125	1129	1156	1169	1185	868
55°	865	871	892	908	917	773
65°	596	603	619	636	648	591
75°	331	333	346	358	372	349
85°	71	74	84	97	105	87
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1876.4	1876.4	1876.4	1876.4	1876.4
2.5°	1862.7	1870.1	1873.9	1868.9	1891.4
5°	1861.4	1861.4	1867.7	1861.4	1883.9
7.5°	1848.9	1848.9	1855.2	1848.9	1871.4
10°	1827.7	1829.0	1836.5	1831.5	1853.9
12.5°	1804.0	1802.8	1814.0	1807.8	1831.5
15°	1772.8	1775.3	1785.3	1779.1	1802.8
17.5°	1736.7	1740.4	1752.9	1746.6	1770.3
20°	1696.7	1698.0	1716.7	1709.2	1735.4
22.5°	1651.8	1650.6	1675.5	1669.3	1691.7
25°	1599.4	1601.9	1628.1	1624.4	1646.8
27.5°	1545.8	1549.5	1580.7	1574.5	1598.2
30°	1492.1	1494.6	1527.1	1522.1	1547.0
32.5°	1436.0	1438.5	1470.9	1469.7	1490.9
35°	1374.9	1378.6	1411.0	1412.3	1433.5
37.5°	1316.2	1317.5	1349.9	1353.6	1374.9
40°	1251.3	1256.3	1287.5	1293.8	1315.0
42.5°	1187.7	1192.7	1222.6	1231.4	1250.1
45°	1125.3	1129.1	1156.5	1169.0	1185.2
47.5°	1061.7	1064.2	1090.4	1104.1	1119.1
50°	995.6	1000.6	1024.3	1038.0	1053.0
52.5°	930.7	935.7	959.4	973.1	984.4
55°	864.6	870.8	892.0	908.3	917.0
57.5°	798.5	804.7	824.7	840.9	850.9
60°	732.3	738.6	756.0	773.5	783.5
62.5°	663.7	671.2	687.4	706.1	716.1
65°	596.4	602.6	618.8	636.3	647.5
67.5°	530.2	536.5	550.2	566.4	578.9
70°	465.4	469.1	481.6	497.8	511.5
72.5°	399.2	403.0	413.0	427.9	442.9
75°	330.6	333.1	345.6	358.1	371.8
77.5°	262.0	264.5	275.7	289.4	300.7
80°	195.9	199.6	210.8	223.3	233.3
82.5°	131.0	133.5	147.2	159.7	167.2
85°	71.1	73.6	83.6	97.3	104.8
87.5°	18.7	20.0	26.2	38.7	47.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)