

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: P303017

Luminaire Tested: **CTW-F-0100-40L830-UNV-STD-6**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P303017
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-0100-40L830-UNV-STD-6
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE
0% UPLIGHT, 100% DOWNLIGHT, 4000 LUMEN PACKAGE
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

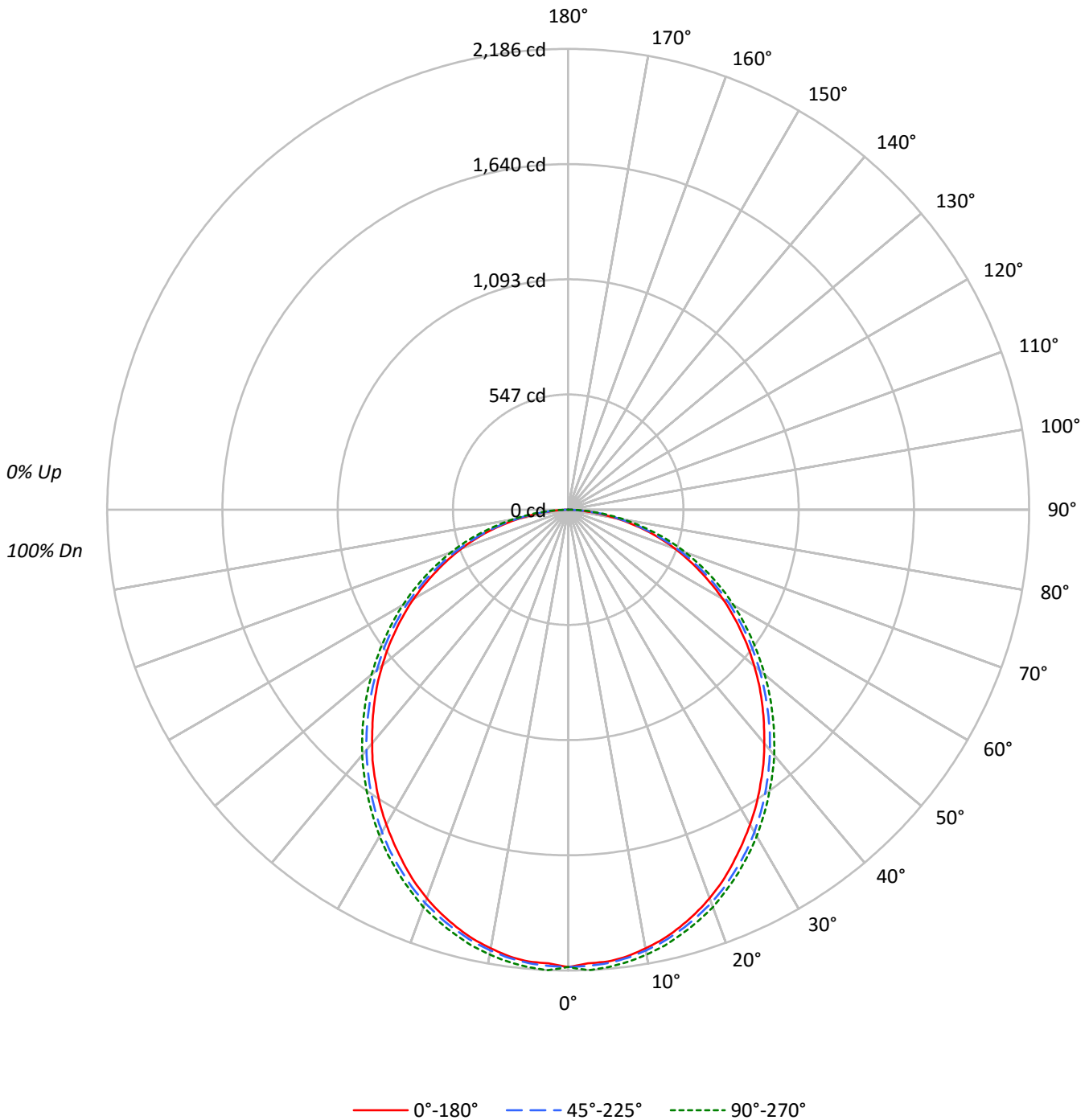
Lumens per Lamp: N/A
Luminaire Lumens: 5858.9 lumens
Efficiency: N/A
Efficacy: 103.3 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.23 / 1.32
Luminous Opening: Rectangular (W 6' x L: 0.12' x H: 0')
CIE Type: Direct

Input Watts (W): 56.7
Input Voltage (V): 120
Input Current (A_{in}): 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°	31132	31132	31132
5°	31002	31106	31376
10°	30793	30941	31235
15°	30452	30666	30966
20°	29958	30311	30642
25°	29280	29806	30148
30°	28587	29256	29639
35°	27847	28581	29035
40°	27102	27887	28481
45°	26406	27137	27810
50°	25699	26438	27179
55°	25009	25805	26526
60°	24301	25087	26000
65°	23412	24295	25422
70°	22576	23360	24812
75°	21194	22153	23833
80°	18712	20150	22290
85°	13536	15907	19958



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	204.8	3.5
10°-20°	580.7	9.9
20°-30°	862.2	14.7
30°-40°	1013.7	17.3
40°-50°	1028.1	17.5
50°-60°	920.4	15.7
60°-70°	709.7	12.1
70°-80°	423.5	7.2
80°-90°	115.9	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°	1647.7	28.1
0°-40°	2661.4	45.4
0°-60°	4609.8	78.7
0°-90°	5858.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5858.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2169	2169	2169	2169	2169	
5°	2152	2152	2159	2152	2178	204
15°	2050	2052	2064	2057	2084	577
25°	1849	1852	1882	1878	1904	852
35°	1589	1594	1631	1633	1657	995
45°	1301	1305	1337	1351	1370	1004
55°	1000	1007	1031	1050	1060	894
65°	689	697	715	736	749	683
75°	382	385	400	414	430	403
85°	82	85	97	112	121	100
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2169.2	2169.2	2169.2	2169.2	2169.2
2.5°	2153.4	2162.0	2166.3	2160.6	2186.5
5°	2151.9	2151.9	2159.1	2151.9	2177.9
7.5°	2137.5	2137.5	2144.7	2137.5	2163.5
10°	2113.0	2114.4	2123.1	2117.3	2143.3
12.5°	2085.6	2084.1	2097.1	2089.9	2117.3
15°	2049.5	2052.4	2063.9	2056.7	2084.1
17.5°	2007.7	2012.0	2026.4	2019.2	2046.6
20°	1961.5	1963.0	1984.6	1976.0	2006.3
22.5°	1909.6	1908.2	1937.0	1929.8	1955.8
25°	1849.0	1851.9	1882.2	1877.9	1903.8
27.5°	1787.0	1791.3	1827.4	1820.2	1847.6
30°	1725.0	1727.9	1765.4	1759.6	1788.5
32.5°	1660.1	1663.0	1700.5	1699.0	1723.6
35°	1589.4	1593.8	1631.3	1632.7	1657.2
37.5°	1521.6	1523.1	1560.6	1564.9	1589.4
40°	1446.6	1452.4	1488.5	1495.7	1520.2
42.5°	1373.1	1378.8	1413.5	1423.6	1445.2
45°	1301.0	1305.3	1337.0	1351.4	1370.2
47.5°	1227.4	1230.3	1260.6	1276.4	1293.8
50°	1151.0	1156.7	1184.1	1200.0	1217.3
52.5°	1076.0	1081.7	1109.1	1125.0	1138.0
55°	999.5	1006.7	1031.3	1050.0	1060.1
57.5°	923.1	930.3	953.4	972.1	983.7
60°	846.6	853.8	874.0	894.2	905.8
62.5°	767.3	776.0	794.7	816.3	827.9
65°	689.4	696.6	715.4	735.6	748.6
67.5°	613.0	620.2	636.1	654.8	669.2
70°	538.0	542.3	556.7	575.5	591.3
72.5°	461.5	465.9	477.4	494.7	512.0
75°	382.2	385.1	399.5	413.9	429.8
77.5°	302.9	305.8	318.8	334.6	347.6
80°	226.4	230.8	243.8	258.2	269.7
82.5°	151.4	154.3	170.2	184.6	193.3
85°	82.2	85.1	96.6	112.5	121.2
87.5°	21.6	23.1	30.3	44.7	54.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)