

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: P303022

Luminaire Tested: **CTW-F-0100-40L940-UNV-STD-6**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P303022  
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-0100-40L940-UNV-STD-6  
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE  
0% UPLIGHT, 100% DOWNLIGHT, 4000 LUMEN PACKAGE  
Light Source: 4000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

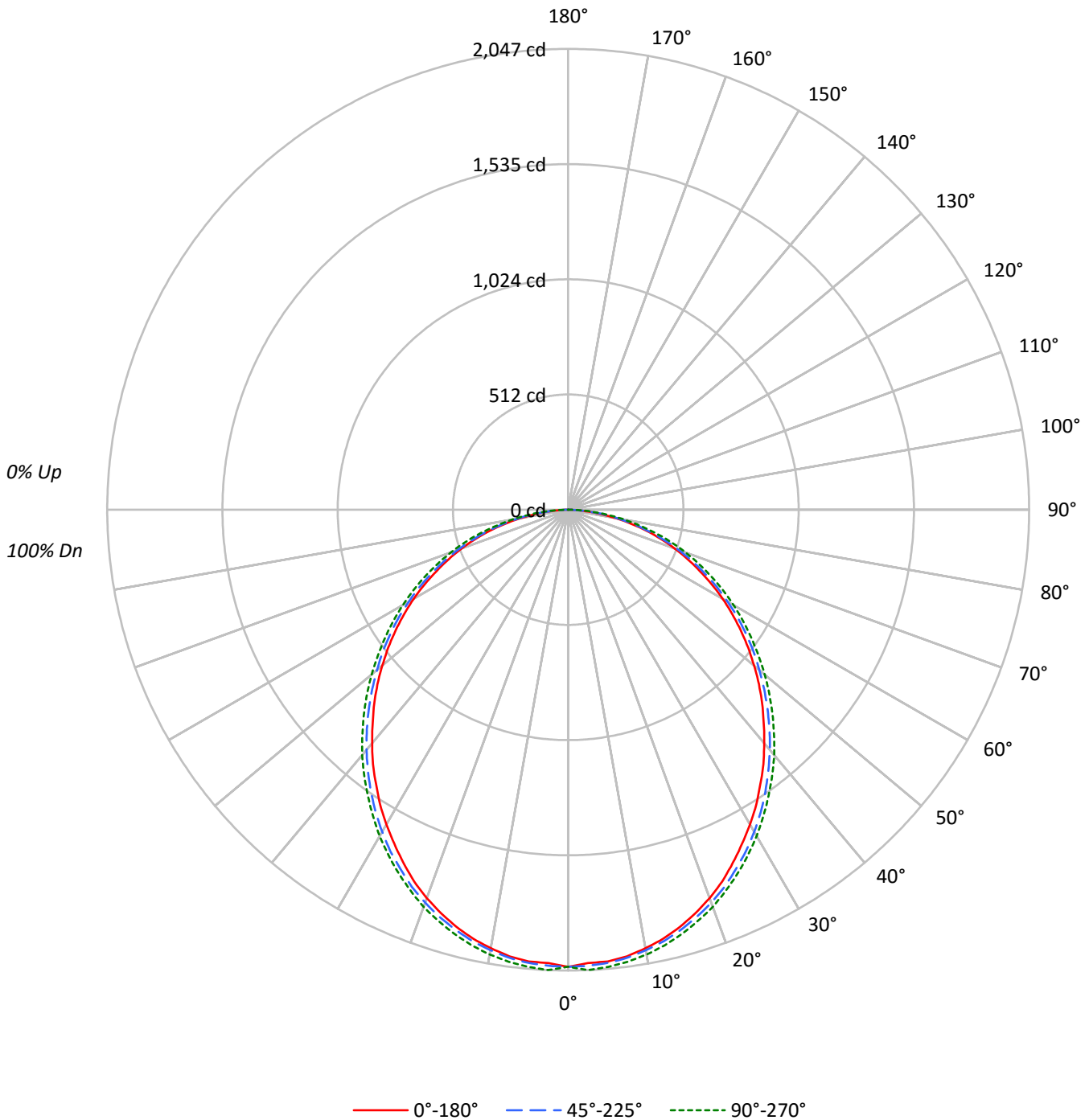
Lumens per Lamp: N/A  
Luminaire Lumens: 5483.8 lumens  
Efficiency: N/A  
Efficacy: 96.7 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.23 / 1.32  
Luminous Opening: Rectangular (W 6' x L: 0.12' x H: 0')  
CIE Type: Direct

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°	29140	29140	29140
5°	29018	29115	29368
10°	28822	28960	29235
15°	28502	28703	28984
20°	28041	28371	28680
25°	27407	27897	28219
30°	26757	27384	27742
35°	26065	26750	27176
40°	25367	26102	26658
45°	24715	25399	26030
50°	24053	24746	25440
55°	23408	24151	24827
60°	22745	23483	24335
65°	21914	22739	23792
70°	21128	21866	23226
75°	19835	20733	22308
80°	17513	18852	20861
85°	12663	14886	18674



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	191.6	3.5
10°-20°	543.5	9.9
20°-30°	807.1	14.7
30°-40°	948.8	17.3
40°-50°	962.2	17.5
50°-60°	861.5	15.7
60°-70°	664.3	12.1
70°-80°	396.4	7.2
80°-90°	108.4	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°	1542.2	28.1
0°-40°	2491.0	45.4
0°-60°	4314.7	78.7
0°-90°	5483.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5483.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2030	2030	2030	2030	2030	
5°	2014	2014	2021	2014	2038	191
15°	1918	1921	1932	1925	1951	541
25°	1731	1733	1762	1758	1782	797
35°	1488	1492	1527	1528	1551	931
45°	1218	1222	1251	1265	1282	939
55°	936	942	965	983	992	837
65°	645	652	670	688	701	640
75°	358	360	374	387	402	377
85°	77	80	90	105	113	94
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2030.4	2030.4	2030.4	2030.4	2030.4
2.5°	2015.5	2023.6	2027.7	2022.3	2046.6
5°	2014.2	2014.2	2020.9	2014.2	2038.5
7.5°	2000.7	2000.7	2007.4	2000.7	2025.0
10°	1977.7	1979.1	1987.2	1981.8	2006.1
12.5°	1952.1	1950.7	1962.9	1956.1	1981.8
15°	1918.3	1921.0	1931.8	1925.1	1950.7
17.5°	1879.2	1883.2	1896.7	1890.0	1915.6
20°	1836.0	1837.3	1857.6	1849.5	1877.8
22.5°	1787.4	1786.0	1813.0	1806.3	1830.6
25°	1730.7	1733.4	1761.7	1757.7	1782.0
27.5°	1672.6	1676.7	1710.4	1703.7	1729.3
30°	1614.6	1617.3	1652.4	1647.0	1674.0
32.5°	1553.8	1556.5	1591.6	1590.3	1613.2
35°	1487.7	1491.7	1526.8	1528.2	1551.1
37.5°	1424.2	1425.6	1460.7	1464.7	1487.7
40°	1354.0	1359.4	1393.2	1399.9	1422.9
42.5°	1285.2	1290.6	1323.0	1332.4	1352.7
45°	1217.7	1221.7	1251.4	1264.9	1282.5
47.5°	1148.8	1151.5	1179.9	1194.7	1210.9
50°	1077.3	1082.7	1108.3	1123.2	1139.4
52.5°	1007.1	1012.5	1038.1	1053.0	1065.1
55°	935.5	942.3	965.2	982.8	992.2
57.5°	864.0	870.7	892.3	909.9	920.7
60°	792.4	799.2	818.1	837.0	847.8
62.5°	718.2	726.3	743.8	764.1	774.9
65°	645.3	652.0	669.6	688.5	700.6
67.5°	573.7	580.5	595.3	612.9	626.4
70°	503.5	507.6	521.1	538.6	553.5
72.5°	432.0	436.0	446.8	463.0	479.2
75°	357.7	360.4	373.9	387.4	402.3
77.5°	283.5	286.2	298.3	313.2	325.3
80°	211.9	216.0	228.1	241.6	252.4
82.5°	141.7	144.4	159.3	172.8	180.9
85°	76.9	79.6	90.4	105.3	113.4
87.5°	20.2	21.6	28.3	41.8	51.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)