

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: P303027

Luminaire Tested: **CTW-F-0100-40L935-UNV-STD-8**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P303027  
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-0100-40L935-UNV-STD-8  
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE  
0% UPLIGHT, 100% DOWNLIGHT, 4000 LUMEN PACKAGE  
Light Source: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6995.1 lumens  
Efficiency: N/A  
Efficacy: 95.2 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

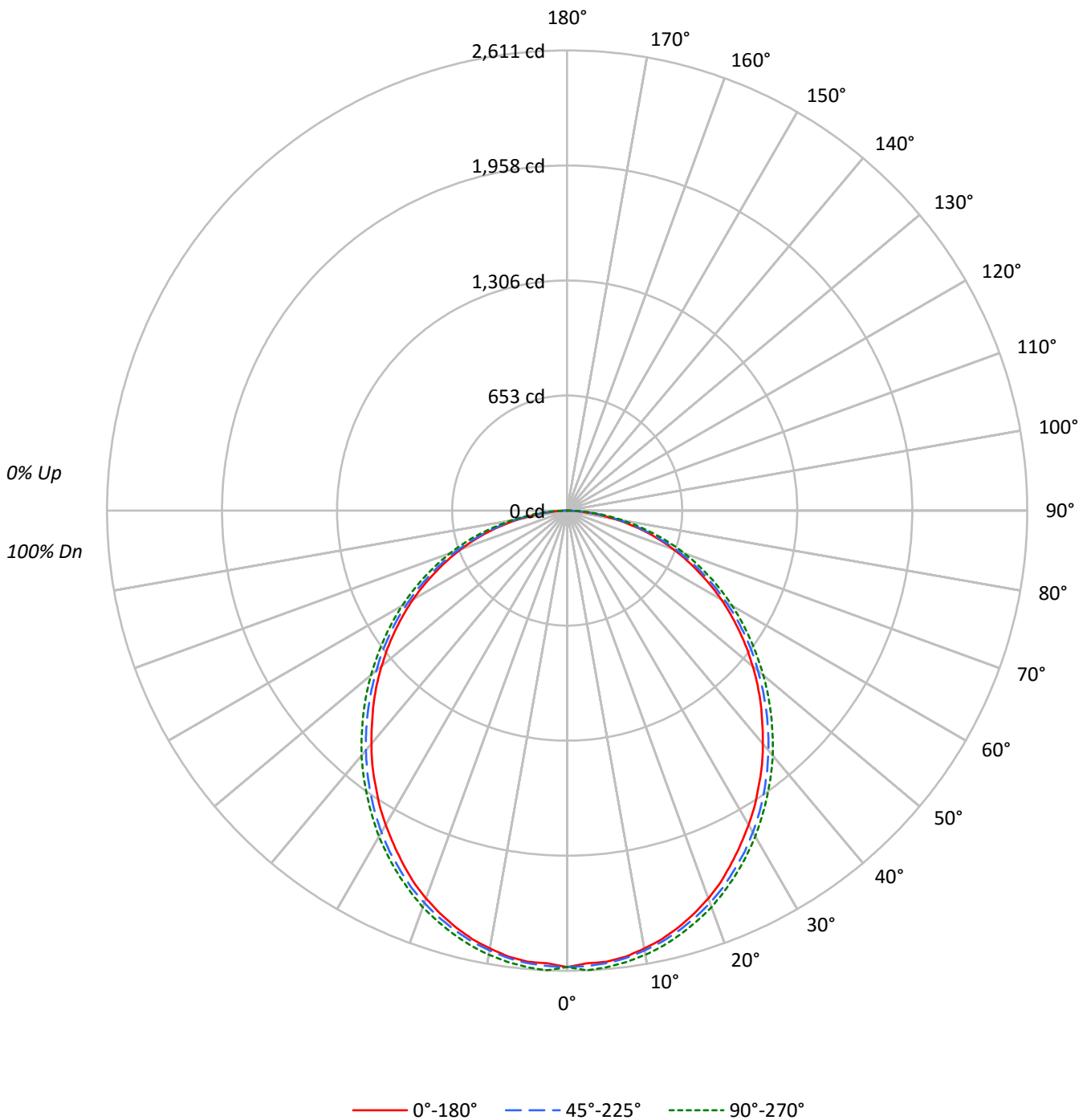
Input Watts (W): 73.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	27877	27877	27877
5°	27760	27853	28095
10°	27573	27705	27969
15°	27268	27460	27729
20°	26826	27142	27437
25°	26219	26689	26996
30°	25598	26197	26540
35°	24935	25592	25999
40°	24269	24971	25503
45°	23644	24300	24902
50°	23012	23675	24338
55°	22394	23105	23753
60°	21760	22464	23280
65°	20964	21754	22762
70°	20214	20919	22219
75°	18977	19838	21343
80°	16761	18038	19960
85°	12128	14252	17858



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	244.5	3.5
10°-20°	693.3	9.9
20°-30°	1029.5	14.7
30°-40°	1210.3	17.3
40°-50°	1227.4	17.5
50°-60°	1098.9	15.7
60°-70°	847.3	12.1
70°-80°	505.6	7.2
80°-90°	138.3	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°	1967.2	28.1
0°-40°	3177.5	45.4
0°-60°	5503.8	78.7
0°-90°	6995.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6995.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2590	2590	2590	2590	2590	
5°	2569	2569	2578	2569	2600	244
15°	2447	2450	2464	2456	2488	689
25°	2208	2211	2247	2242	2273	1017
35°	1898	1903	1948	1949	1979	1188
45°	1553	1558	1596	1614	1636	1198
55°	1193	1202	1231	1254	1266	1067
65°	823	832	854	878	894	816
75°	456	460	477	494	513	481
85°	98	102	115	134	145	120
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2589.9	2589.9	2589.9	2589.9	2589.9
2.5°	2570.9	2581.3	2586.4	2579.6	2610.6
5°	2569.2	2569.2	2577.8	2569.2	2600.2
7.5°	2552.0	2552.0	2560.6	2552.0	2583.0
10°	2522.7	2524.5	2534.8	2527.9	2558.9
12.5°	2490.0	2488.3	2503.8	2495.2	2527.9
15°	2447.0	2450.4	2464.2	2455.6	2488.3
17.5°	2397.0	2402.2	2419.4	2410.8	2443.5
20°	2341.9	2343.6	2369.5	2359.1	2395.3
22.5°	2279.9	2278.2	2312.6	2304.0	2335.0
25°	2207.6	2211.1	2247.2	2242.0	2273.0
27.5°	2133.6	2138.7	2181.8	2173.2	2205.9
30°	2059.5	2063.0	2107.7	2100.8	2135.3
32.5°	1982.0	1985.5	2030.2	2028.5	2057.8
35°	1897.6	1902.8	1947.6	1949.3	1978.6
37.5°	1816.7	1818.4	1863.2	1868.4	1897.6
40°	1727.2	1734.1	1777.1	1785.7	1815.0
42.5°	1639.3	1646.2	1687.6	1699.6	1725.4
45°	1553.2	1558.4	1596.3	1613.5	1635.9
47.5°	1465.4	1468.9	1505.0	1524.0	1544.6
50°	1374.2	1381.0	1413.8	1432.7	1453.4
52.5°	1284.6	1291.5	1324.2	1343.2	1358.7
55°	1193.3	1202.0	1231.2	1253.6	1265.7
57.5°	1102.1	1110.7	1138.2	1160.6	1174.4
60°	1010.8	1019.4	1043.5	1067.6	1081.4
62.5°	916.1	926.4	948.8	974.7	988.4
65°	823.1	831.7	854.1	878.2	893.7
67.5°	731.9	740.5	759.4	781.8	799.0
70°	642.3	647.5	664.7	687.1	706.0
72.5°	551.0	556.2	570.0	590.6	611.3
75°	456.3	459.8	477.0	494.2	513.2
77.5°	361.6	365.1	380.6	399.5	415.0
80°	270.4	275.5	291.0	308.2	322.0
82.5°	180.8	184.3	203.2	220.4	230.7
85°	98.2	101.6	115.4	134.3	144.6
87.5°	25.8	27.6	36.2	53.4	65.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)