

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: P520714

Luminaire Tested: **8WSLA-175-L935-UNV-U**

Issue Date: 5/3/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P520714  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2002-689-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 8WSLA-175-L935-UNV-U  
Description: 8 FOOT, 3500 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 3500K, 90 CRI  
LEDS WITH NO UPLIGHT  
Light Source: -  
Ballast/Driver: -

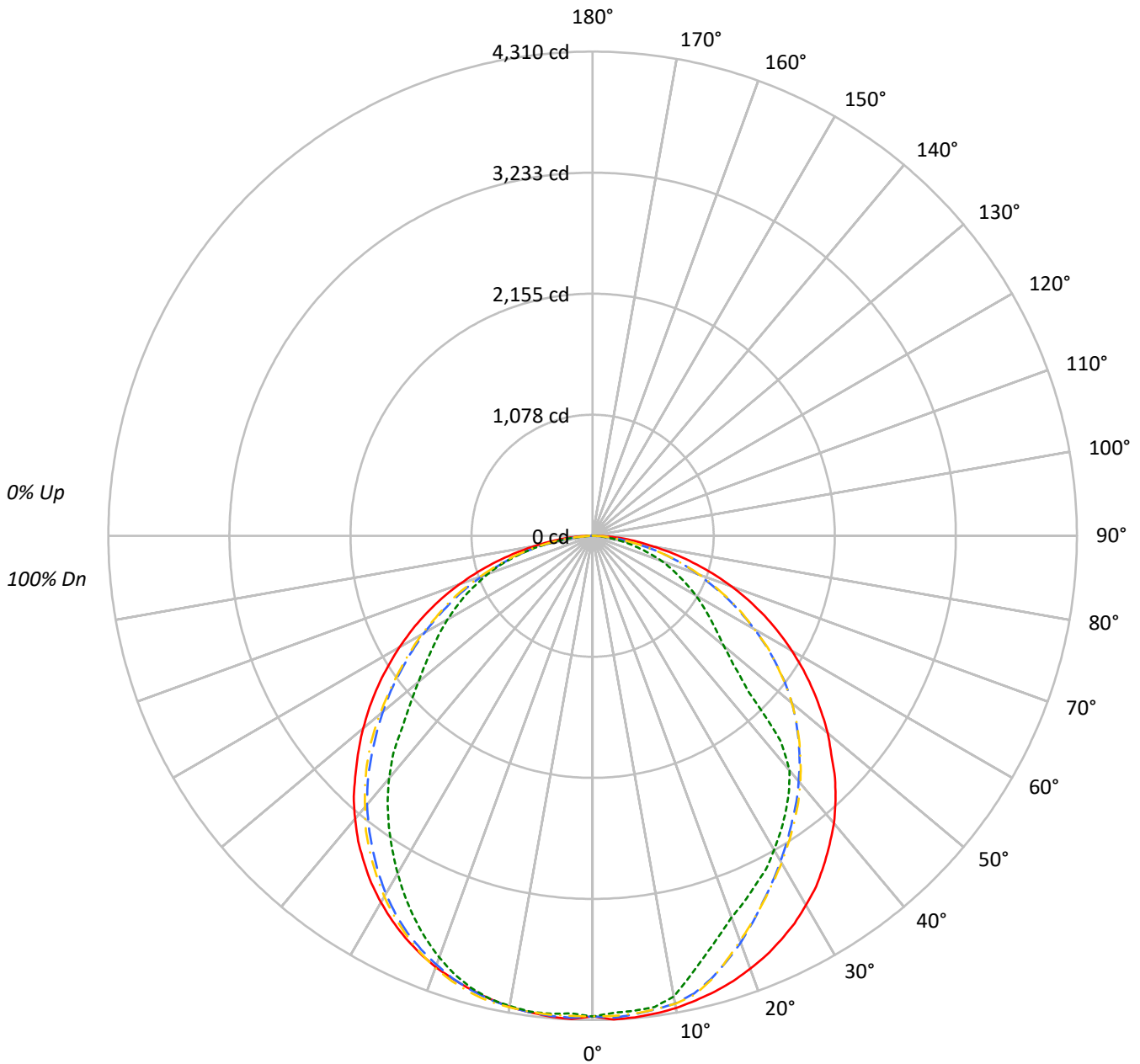
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11477.0 lumens  
Efficiency: N/A  
Efficacy: 96.4 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 1.17 / 1.33  
Luminous Opening: Rectangular (W 0.5' x L: 8' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 119  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	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	95	98	95	92	94	91	89	90	88	86	84																			
2	99	91	84	79	97	89	83	78	86	80	76	82	78	74	79	76	73	70																			
3	91	80	72	66	88	79	71	65	76	69	64	73	67	63	70	66	62	60																			
4	83	71	62	56	81	70	62	55	67	60	55	65	59	54	63	58	53	51																			
5	76	64	55	48	74	63	54	48	60	53	47	58	52	47	57	51	46	44																			
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	46	41	39																			
7	66	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34																			
8	61	48	39	33	60	47	39	33	46	38	33	44	38	33	43	37	33	31																			
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28																			
10	54	40	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25																			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	11513	11513	11513	11513
5°	11625	11464	11606	11538
10°	11665	11377	11634	11615
15°	11701	10774	11650	11612
20°	11745	10352	11699	11436
25°	11783	10181	11721	11149
30°	11796	10034	11710	10783
35°	11777	9839	11657	10382
40°	11739	9578	11554	9901
45°	11608	7442	11346	9084
50°	11434	6370	11156	8475
55°	11231	5965	10940	8152
60°	11018	5695	10685	8017
65°	10756	5393	10391	7921
70°	10330	5128	9896	7801
75°	9617	4510	9164	7421
80°	8536	3770	8003	6295
85°	8080	2692	7086	3616



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	406.5	3.5
10°-20°	1159.4	10.1
20°-30°	1732.5	15.1
30°-40°	2062.3	18.0
40°-50°	2061.4	18.0
50°-60°	1773.8	15.5
60°-70°	1335.1	11.6
70°-80°	760.8	6.6
80°-90°	185.2	1.6
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°	3298.5	28.7
0°-40°	5360.8	46.7
0°-60°	9196.0	80.1
0°-90°	11477.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11477.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	4278	4278	4278	4278	4278	
5°	4304	4244	4297	4271	4304	410
15°	4200	3867	4182	4168	4200	1187
25°	3968	3429	3948	3755	3968	1830
35°	3585	2995	3548	3160	3585	2243
45°	3050	1956	2982	2387	3050	2349
55°	2394	1272	2332	1738	2394	2140
65°	1689	847	1632	1244	1689	1668
75°	925	434	881	714	925	979
85°	262	87	230	117	262	285
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	4278.2	4278.2	4278.2	4278.2	4278.2	4278.2	4278.2	4278.2	4278.2	4278.2	4278.2
2.5°	4310.4	4271.4	4294.3	4287.4	4250.7	4264.5	4278.2	4264.5	4305.8	4269.1	4294.3
5°	4303.5	4262.2	4276.0	4262.2	4243.8	4248.4	4269.1	4255.3	4296.6	4257.6	4289.7
7.5°	4289.7	4239.2	4253.0	4246.1	4230.0	4232.3	4253.0	4241.5	4278.2	4241.5	4278.2
10°	4269.1	4216.3	4227.8	4197.9	4163.5	4188.7	4230.0	4218.6	4257.6	4216.3	4257.6
12.5°	4236.9	4184.1	4172.7	4074.0	4012.0	4060.2	4186.4	4186.4	4223.2	4184.1	4227.8
15°	4200.2	4142.8	4080.9	3931.7	3867.4	3915.6	4090.0	4149.7	4181.8	4142.8	4186.4
17.5°	4156.6	4090.0	3970.7	3796.3	3736.6	3784.8	3963.8	4094.6	4135.9	4094.6	4133.6
20°	4101.5	4023.5	3853.6	3654.0	3614.9	3658.5	3837.6	4028.1	4085.4	4035.0	4062.5
22.5°	4041.8	3947.7	3722.8	3543.8	3525.4	3553.0	3715.9	3945.4	4021.2	3968.4	3986.8
25°	3968.4	3858.2	3592.0	3442.8	3429.0	3445.1	3596.6	3849.0	3947.7	3892.7	3899.5
27.5°	3890.4	3771.0	3468.0	3357.9	3344.1	3351.0	3477.2	3741.2	3862.8	3807.7	3796.3
30°	3796.3	3667.7	3344.1	3243.1	3229.3	3254.6	3362.5	3631.0	3768.7	3713.6	3679.2
32.5°	3702.2	3555.3	3222.5	3144.4	3116.9	3139.8	3243.1	3516.2	3665.4	3608.0	3550.7
35°	3585.1	3435.9	3096.2	3018.2	2995.2	3020.5	3123.8	3396.9	3548.4	3491.0	3413.0
37.5°	3463.5	3309.7	2981.5	2910.3	2869.0	2898.8	3002.1	3273.0	3426.7	3367.1	3270.7
40°	3341.8	3176.6	2852.9	2779.5	2726.7	2770.3	2875.9	3142.1	3289.0	3233.9	3123.8
42.5°	3199.5	3043.4	2726.7	2623.4	2474.2	2614.2	2740.5	3011.3	3146.7	3093.9	2960.8
45°	3050.3	2901.1	2593.6	2343.4	1955.5	2366.3	2602.8	2873.6	2981.5	2931.0	2786.4
47.5°	2880.5	2754.2	2458.2	2077.2	1700.7	2100.1	2462.7	2742.8	2825.4	2770.3	2609.6
50°	2731.3	2607.3	2315.9	1852.2	1521.7	1877.5	2313.6	2595.9	2664.7	2614.2	2435.2
52.5°	2561.4	2453.6	2162.1	1652.5	1388.6	1677.8	2157.5	2444.4	2499.5	2439.8	2260.8
55°	2393.9	2297.5	1999.1	1475.8	1271.5	1498.8	1994.5	2288.3	2331.9	2263.1	2077.2
57.5°	2224.0	2136.8	1831.6	1317.4	1163.7	1342.7	1843.0	2127.6	2157.5	2070.3	1900.4
60°	2047.3	1973.9	1661.7	1177.4	1058.1	1198.1	1657.1	1967.0	1985.3	1891.2	1728.3
62.5°	1870.6	1804.0	1491.9	1048.9	950.2	1062.7	1503.4	1797.1	1808.6	1719.1	1551.6
65°	1689.3	1627.3	1326.6	913.5	846.9	936.4	1338.1	1620.4	1631.9	1530.9	1379.4
67.5°	1501.1	1450.6	1149.9	810.2	748.2	817.1	1172.8	1441.4	1448.3	1349.6	1211.9
70°	1312.9	1269.2	993.8	697.7	651.8	700.0	1009.9	1244.0	1257.8	1152.2	1042.0
72.5°	1120.1	1085.6	842.3	580.7	539.4	580.7	851.5	1062.7	1071.9	984.6	876.8
75°	925.0	899.7	688.6	465.9	433.8	463.6	693.1	881.4	881.4	798.7	713.8
77.5°	736.8	718.4	527.9	358.1	335.1	353.5	530.2	697.7	693.1	628.9	562.3
80°	550.8	537.1	378.7	259.4	243.3	252.5	378.7	516.4	516.4	470.5	390.2
82.5°	394.8	378.7	250.2	169.8	160.7	165.3	245.6	360.3	367.2	332.8	263.9
85°	261.7	224.9	135.4	94.1	87.2	89.5	128.5	208.9	229.5	192.8	137.7
87.5°	114.8	75.7	34.4	13.8	6.9	9.2	27.5	66.6	87.2	57.4	18.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
0°	4278.2	4278.2	4278.2	4278.2	4278.2	4278.2
2.5°	4292.0	4255.3	4269.1	4278.2	4269.1	4310.4
5°	4287.4	4271.4	4269.1	4280.5	4262.2	4303.5
7.5°	4280.5	4271.4	4269.1	4273.7	4250.7	4289.7
10°	4264.5	4250.7	4255.3	4262.2	4232.3	4269.1
12.5°	4234.6	4220.9	4223.2	4246.1	4204.8	4236.9
15°	4184.1	4168.1	4184.1	4209.4	4172.7	4200.2
17.5°	4117.6	4092.3	4119.9	4158.9	4131.4	4156.6
20°	4032.7	3993.6	4023.5	4094.6	4069.4	4101.5
22.5°	3929.4	3881.2	3911.0	4014.3	4007.4	4041.8
25°	3812.3	3754.9	3796.3	3922.5	3936.3	3968.4
27.5°	3681.5	3617.2	3672.3	3821.5	3853.6	3890.4
30°	3539.2	3470.3	3534.6	3709.0	3757.2	3796.3
32.5°	3392.3	3316.6	3390.0	3582.8	3651.7	3702.2
35°	3238.5	3160.5	3243.1	3452.0	3534.6	3585.1
37.5°	3073.3	2997.5	3087.0	3314.3	3413.0	3463.5
40°	2903.4	2818.5	2919.5	3151.3	3282.1	3341.8
42.5°	2729.0	2623.4	2747.4	2997.5	3139.8	3199.5
45°	2533.9	2387.0	2554.6	2834.6	2983.8	3050.3
47.5°	2338.8	2191.9	2361.8	2660.1	2820.8	2880.5
50°	2150.6	2024.4	2159.8	2469.6	2655.5	2731.3
52.5°	1978.5	1875.2	1989.9	2283.7	2485.7	2561.4
55°	1817.8	1737.5	1831.6	2100.1	2306.7	2393.9
57.5°	1666.3	1615.8	1680.1	1925.7	2141.4	2224.0
60°	1524.0	1489.6	1535.5	1753.5	1946.3	2047.3
62.5°	1384.0	1365.6	1400.1	1572.2	1765.0	1870.6
65°	1248.6	1244.0	1262.4	1413.8	1574.5	1689.3
67.5°	1113.2	1110.9	1122.4	1246.3	1388.6	1501.1
70°	977.8	991.5	984.6	1065.0	1202.7	1312.9
72.5°	840.0	860.7	849.2	899.7	1032.8	1120.1
75°	686.3	713.8	690.9	748.2	830.9	925.0
77.5°	527.9	557.7	530.2	580.7	670.2	736.8
80°	378.7	406.2	383.3	422.3	500.4	550.8
82.5°	238.7	259.4	241.0	280.0	358.1	394.8
85°	105.6	117.1	121.6	151.5	220.3	261.7
87.5°	4.6	2.3	4.6	29.8	78.0	114.8
90°	0.0	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC







— 0°-180°    - - 45°-225°    - - - - 90°-270°    - · - · 135°-315°









(END OF REPORT)