

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: P520672

Luminaire Tested: **8WSLA-125-L950-UNV-U**

Issue Date: 5/3/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P520672  
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-125-L950-UNV-U  
Description: 8 FOOT, 2500 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 5000K, 90 CRI  
LEDS WITH NO UPLIGHT  
Light Source: -  
Ballast/Driver: -

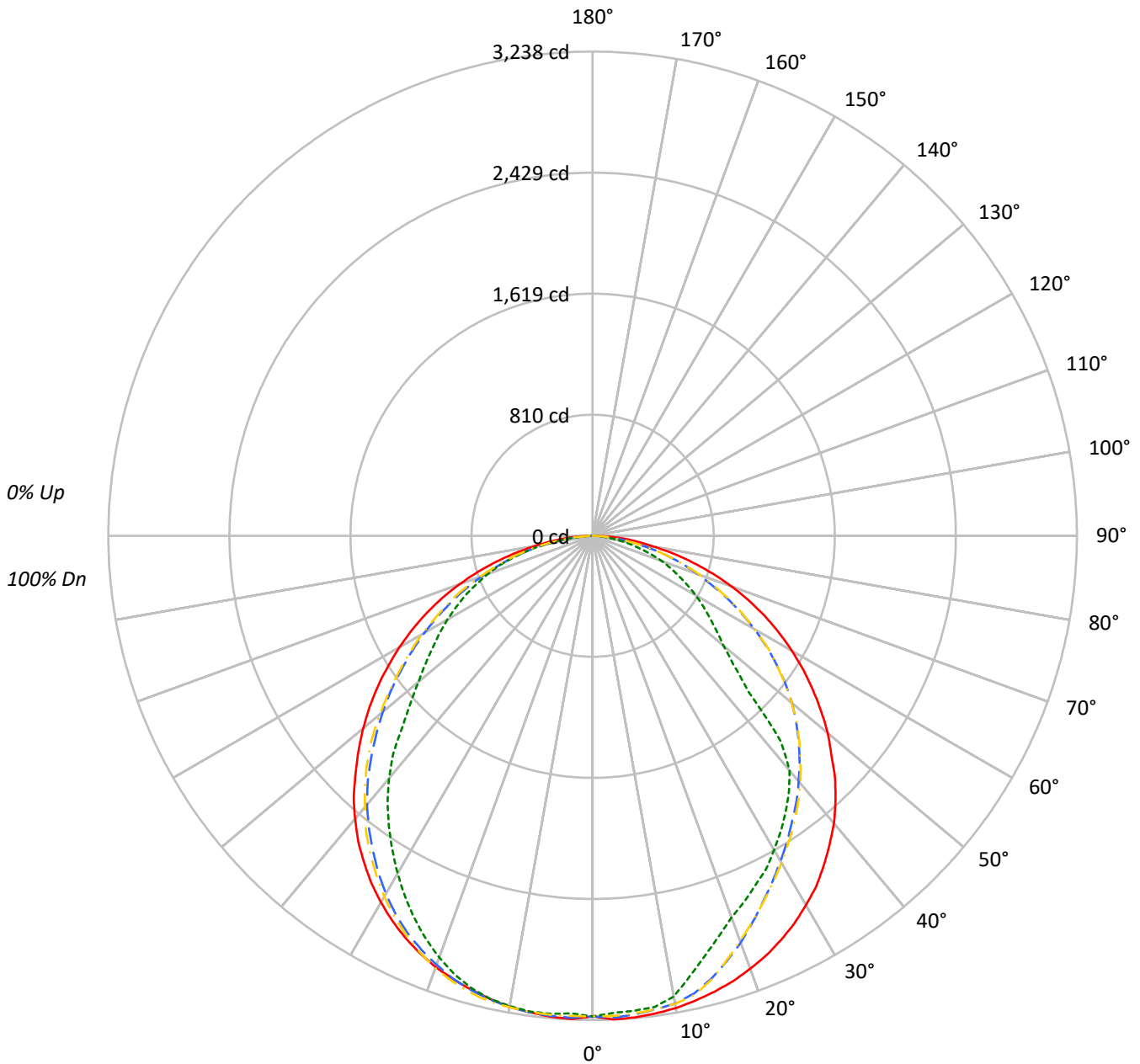
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8622.0 lumens  
Efficiency: N/A  
Efficacy: 110.3 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): 78.2  
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°	8649	8649	8649	8649
5°	8733	8612	8719	8668
10°	8763	8547	8740	8726
15°	8791	8094	8752	8723
20°	8824	7777	8789	8592
25°	8852	7649	8806	8376
30°	8862	7538	8797	8101
35°	8848	7392	8757	7800
40°	8819	7196	8679	7438
45°	8721	5591	8524	6824
50°	8590	4786	8381	6367
55°	8437	4481	8219	6124
60°	8277	4278	8027	6022
65°	8080	4051	7806	5950
70°	7760	3853	7434	5861
75°	7225	3388	6884	5575
80°	6413	2833	6013	4730
85°	6070	2022	5323	2714



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	305.4	3.5
10°-20°	871.0	10.1
20°-30°	1301.5	15.1
30°-40°	1549.3	18.0
40°-50°	1548.6	18.0
50°-60°	1332.6	15.5
60°-70°	1003.0	11.6
70°-80°	571.5	6.6
80°-90°	139.1	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°	2477.9	28.7
0°-40°	4027.2	46.7
0°-60°	6908.4	80.1
0°-90°	8622.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8622.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3214	3214	3214	3214	3214	
5°	3233	3188	3228	3209	3233	308
15°	3155	2905	3142	3131	3155	891
25°	2981	2576	2966	2821	2981	1375
35°	2693	2250	2666	2374	2693	1685
45°	2292	1469	2240	1793	2292	1765
55°	1798	955	1752	1305	1798	1608
65°	1269	636	1226	934	1269	1253
75°	695	326	662	536	695	736
85°	197	66	172	88	197	214
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°	3214.0	3214.0	3214.0	3214.0	3214.0	3214.0	3214.0	3214.0	3214.0	3214.0	3214.0
2.5°	3238.1	3208.8	3226.1	3220.9	3193.3	3203.7	3214.0	3203.7	3234.7	3207.1	3226.1
5°	3233.0	3201.9	3212.3	3201.9	3188.1	3191.6	3207.1	3196.8	3227.8	3198.5	3222.6
7.5°	3222.6	3184.7	3195.0	3189.9	3177.8	3179.5	3195.0	3186.4	3214.0	3186.4	3214.0
10°	3207.1	3167.4	3176.1	3153.6	3127.8	3146.8	3177.8	3169.2	3198.5	3167.4	3198.5
12.5°	3183.0	3143.3	3134.7	3060.5	3014.0	3050.2	3145.0	3145.0	3172.6	3143.3	3176.1
15°	3155.4	3112.3	3065.7	2953.6	2905.4	2941.6	3072.6	3117.4	3141.6	3112.3	3145.0
17.5°	3122.6	3072.6	2982.9	2851.9	2807.1	2843.3	2977.8	3076.1	3107.1	3076.1	3105.4
20°	3081.2	3022.6	2895.0	2745.0	2715.7	2748.4	2882.9	3026.1	3069.2	3031.2	3051.9
22.5°	3036.4	2965.7	2796.7	2662.2	2648.4	2669.1	2791.6	2964.0	3020.9	2981.2	2995.0
25°	2981.2	2898.5	2698.4	2586.4	2576.0	2588.1	2701.9	2891.6	2965.7	2924.3	2929.5
27.5°	2922.6	2832.9	2605.3	2522.6	2512.2	2517.4	2612.2	2810.5	2901.9	2860.5	2851.9
30°	2851.9	2755.3	2512.2	2436.4	2426.0	2445.0	2526.0	2727.8	2831.2	2789.8	2764.0
32.5°	2781.2	2670.9	2420.8	2362.2	2341.5	2358.8	2436.4	2641.5	2753.6	2710.5	2667.4
35°	2693.3	2581.2	2326.0	2267.4	2250.1	2269.1	2346.7	2551.9	2665.7	2622.6	2564.0
37.5°	2601.9	2486.4	2239.8	2186.3	2155.3	2177.7	2255.3	2458.8	2574.3	2529.5	2457.1
40°	2510.5	2386.4	2143.2	2088.1	2048.4	2081.2	2160.5	2360.5	2470.8	2429.5	2346.7
42.5°	2403.6	2286.4	2048.4	1970.8	1858.7	1963.9	2058.8	2262.2	2363.9	2324.3	2224.3
45°	2291.5	2179.4	1948.4	1760.5	1469.1	1777.7	1955.3	2158.8	2239.8	2201.9	2093.2
47.5°	2163.9	2069.1	1846.7	1560.4	1277.7	1577.7	1850.1	2060.5	2122.5	2081.2	1960.5
50°	2051.9	1958.7	1739.8	1391.5	1143.2	1410.4	1738.0	1950.1	2001.9	1963.9	1829.4
52.5°	1924.3	1843.2	1624.2	1241.5	1043.2	1260.4	1620.8	1836.3	1877.7	1832.9	1698.4
55°	1798.4	1726.0	1501.8	1108.7	955.2	1125.9	1498.4	1719.1	1751.8	1700.1	1560.4
57.5°	1670.8	1605.3	1375.9	989.7	874.2	1008.7	1384.6	1598.4	1620.8	1555.3	1427.7
60°	1538.0	1482.9	1248.4	884.5	794.9	900.1	1244.9	1477.7	1491.5	1420.8	1298.4
62.5°	1405.3	1355.3	1120.8	788.0	713.8	798.3	1129.4	1350.1	1358.7	1291.5	1165.6
65°	1269.0	1222.5	996.6	686.3	636.2	703.5	1005.2	1217.3	1225.9	1150.1	1036.3
67.5°	1127.7	1089.7	863.8	608.7	562.1	613.8	881.1	1082.8	1088.0	1013.9	910.4
70°	986.3	953.5	746.6	524.2	489.7	525.9	758.7	934.5	944.9	865.6	782.8
72.5°	841.4	815.6	632.8	436.2	405.2	436.2	639.7	798.3	805.2	739.7	658.7
75°	694.9	675.9	517.3	350.0	325.9	348.3	520.7	662.1	662.1	600.0	536.2
77.5°	553.5	539.7	396.6	269.0	251.7	265.5	398.3	524.2	520.7	472.4	422.4
80°	413.8	403.5	284.5	194.8	182.8	189.7	284.5	388.0	388.0	353.5	293.1
82.5°	296.6	284.5	187.9	127.6	120.7	124.1	184.5	270.7	275.9	250.0	198.3
85°	196.6	169.0	101.7	70.7	65.5	67.2	96.6	156.9	172.4	144.8	103.5
87.5°	86.2	56.9	25.9	10.3	5.2	6.9	20.7	50.0	65.5	43.1	13.8
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°	3214.0	3214.0	3214.0	3214.0	3214.0	3214.0
2.5°	3224.3	3196.8	3207.1	3214.0	3207.1	3238.1
5°	3220.9	3208.8	3207.1	3215.7	3201.9	3233.0
7.5°	3215.7	3208.8	3207.1	3210.5	3193.3	3222.6
10°	3203.7	3193.3	3196.8	3201.9	3179.5	3207.1
12.5°	3181.2	3170.9	3172.6	3189.9	3158.8	3183.0
15°	3143.3	3131.2	3143.3	3162.3	3134.7	3155.4
17.5°	3093.3	3074.3	3095.0	3124.3	3103.6	3122.6
20°	3029.5	3000.2	3022.6	3076.1	3057.1	3081.2
22.5°	2951.9	2915.7	2938.1	3015.7	3010.5	3036.4
25°	2864.0	2820.9	2851.9	2946.7	2957.1	2981.2
27.5°	2765.7	2717.4	2758.8	2870.9	2895.0	2922.6
30°	2658.8	2607.1	2655.3	2786.4	2822.6	2851.9
32.5°	2548.4	2491.5	2546.7	2691.5	2743.3	2781.2
35°	2432.9	2374.3	2436.4	2593.3	2655.3	2693.3
37.5°	2308.8	2251.9	2319.1	2489.8	2564.0	2601.9
40°	2181.2	2117.4	2193.2	2367.4	2465.7	2510.5
42.5°	2050.1	1970.8	2063.9	2251.9	2358.8	2403.6
45°	1903.6	1793.2	1919.1	2129.4	2241.5	2291.5
47.5°	1757.0	1646.7	1774.3	1998.4	2119.1	2163.9
50°	1615.6	1520.8	1622.5	1855.3	1995.0	2051.9
52.5°	1486.3	1408.7	1494.9	1715.6	1867.4	1924.3
55°	1365.6	1305.3	1375.9	1577.7	1732.9	1798.4
57.5°	1251.8	1213.9	1262.1	1446.6	1608.7	1670.8
60°	1144.9	1119.0	1153.5	1317.3	1462.2	1538.0
62.5°	1039.7	1025.9	1051.8	1181.1	1325.9	1405.3
65°	938.0	934.5	948.3	1062.1	1182.8	1269.0
67.5°	836.3	834.5	843.2	936.3	1043.2	1127.7
70°	734.5	744.9	739.7	800.1	903.5	986.3
72.5°	631.1	646.6	638.0	675.9	775.9	841.4
75°	515.5	536.2	519.0	562.1	624.2	694.9
77.5°	396.6	419.0	398.3	436.2	503.5	553.5
80°	284.5	305.2	287.9	317.3	375.9	413.8
82.5°	179.3	194.8	181.0	210.4	269.0	296.6
85°	79.3	87.9	91.4	113.8	165.5	196.6
87.5°	3.4	1.7	3.4	22.4	58.6	86.2
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)