

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: P520665

Luminaire Tested: **8WSLA-125-L930-UPL8-UNV-U**

Issue Date: 5/3/2021



Test Information

Test Method: LM-79-08
Report Number: P520665
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-174-3)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 8WSLA-125-L930-UPL8-UNV-U
Description: 8 FOOT, 2500 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 3000K, 90 CRI
LEDS WITH 8% UPLIGHT
Light Source: -
Ballast/Driver: -

Summary

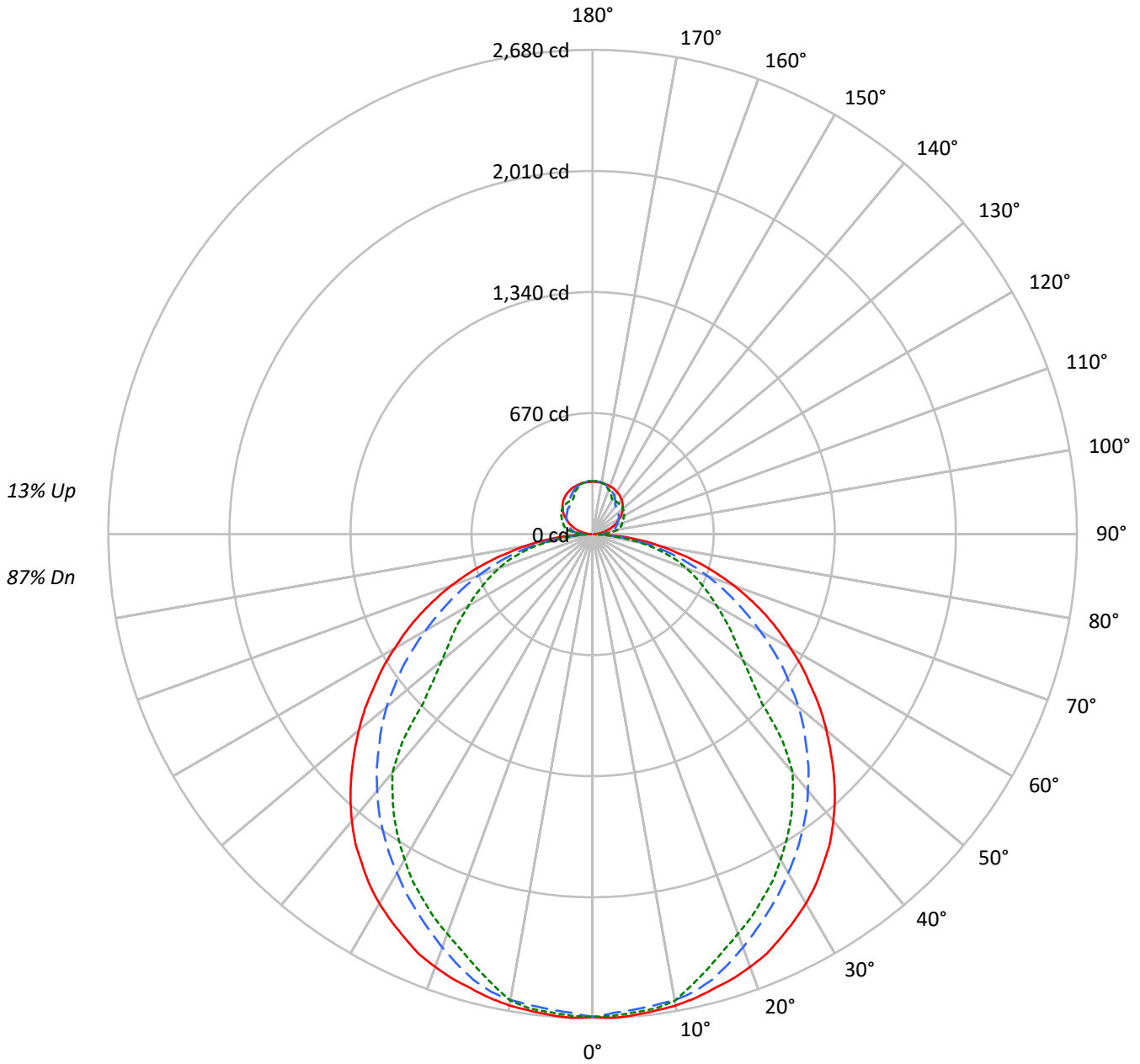
Lumens per Lamp: N/A
Luminaire Lumens: 8317.0 lumens
Efficiency: N/A
Efficacy: 106.4 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.17 / 1.33
Luminous Opening: Rectangular (W 0.5' x L: 8' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 78.2
Input Voltage (V): NR
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									
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	116	116	116	116	112	112	112	112	104	104	104	97	97	97	90	90	90	87																			
1	106	101	97	93	102	98	94	90	91	88	85	85	83	80	79	78	76	73																			
2	96	88	82	76	92	85	79	74	80	75	70	74	70	67	70	66	64	61																			
3	88	78	70	63	84	75	68	62	70	64	59	66	61	56	62	58	54	51																			
4	80	69	60	54	77	67	59	53	62	56	50	59	53	48	55	50	46	44																			
5	74	61	53	46	71	60	51	45	56	49	44	53	47	42	50	45	40	38																			
6	68	55	47	40	66	54	46	40	51	44	38	48	42	37	45	40	36	33																			
7	63	50	42	36	61	49	41	35	46	39	34	43	37	33	41	36	32	30																			
8	59	46	37	32	57	44	37	31	42	35	30	40	34	29	38	32	28	26																			
9	55	42	34	28	53	41	33	28	39	32	27	37	31	26	35	30	26	24																			
10	52	39	31	26	50	38	30	25	36	29	25	34	28	24	32	27	23	22																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7191	7191	7191
5°	7219	7136	7178
10°	7239	7155	7166
15°	7252	7113	6920
20°	7301	6970	6739
25°	7318	6839	6611
30°	7336	6727	6464
35°	7314	6632	6291
40°	7281	6511	6052
45°	7185	6366	5049
50°	7067	6230	4556
55°	6928	6025	4384
60°	6809	5753	4263
65°	6709	5509	4260
70°	6535	5294	4327
75°	6237	5037	4357
80°	5839	4528	4052
85°	5341	3205	2729



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	253.0	3.0
10°-20°	719.3	8.6
20°-30°	1074.7	12.9
30°-40°	1282.9	15.4
40°-50°	1283.0	15.4
50°-60°	1110.4	13.4
60°-70°	852.3	10.2
70°-80°	522.2	6.3
80°-90°	147.0	1.8
90°-100°	83.1	1.0
100°-110°	131.9	1.6
110°-120°	154.2	1.9
120°-130°	166.5	2.0
130°-140°	164.0	2.0
140°-150°	145.1	1.7
150°-160°	119.4	1.4
160°-170°	79.9	1.0
170°-180°	27.8	0.3
0°-30°	2047.0	24.6
0°-40°	3330.0	40.0
0°-60°	5723.4	68.8
0°-90°	7245.0	87.1
90°-120°	369.2	4.4
90°-150°	844.8	10.2
90°-180°	1072.0	12.9
0°-180°	8317.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2672	2672	2672	2672	2672	
5°	2672	2665	2642	2661	2657	254
15°	2603	2599	2553	2507	2484	736
25°	2465	2434	2303	2242	2226	1137
35°	2226	2169	2019	1946	1915	1394
45°	1888	1834	1673	1523	1327	1456
55°	1477	1442	1284	1027	934	1324
65°	1054	1015	865	696	669	1041
75°	600	569	484	419	419	633
85°	173	142	104	88	88	181
90°	8	27	42	54	58	12
95°	31	65	88	92	92	30
105°	88	92	131	154	162	93
115°	146	123	154	177	188	143
125°	196	158	177	204	212	175
135°	235	212	196	215	227	181
145°	262	250	219	215	223	163
155°	277	273	258	246	242	128
165°	284	288	281	281	281	81
175°	288	292	292	296	296	28
180°	292	292	292	292	292	



TEST NUMBER: P520665

CATALOG NUMBER: 8WSLA-125-L930-UPL8-UNV-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2672.4	2672.4	2672.4	2672.4	2672.4
2.5°	2680.1	2672.4	2653.2	2672.4	2668.6
5°	2672.4	2664.8	2641.7	2660.9	2657.1
7.5°	2660.9	2653.2	2630.2	2653.2	2649.4
10°	2649.4	2641.7	2618.6	2634.0	2622.5
12.5°	2630.2	2622.5	2595.5	2576.3	2553.2
15°	2603.2	2599.4	2553.2	2507.1	2484.0
17.5°	2580.2	2568.6	2495.6	2441.7	2414.8
20°	2549.4	2530.2	2434.0	2372.5	2353.3
22.5°	2514.8	2484.0	2368.7	2311.0	2295.6
25°	2464.8	2434.0	2303.3	2241.8	2226.4
27.5°	2414.8	2376.4	2237.9	2176.4	2161.0
30°	2361.0	2307.1	2164.9	2107.2	2080.3
32.5°	2299.5	2245.6	2095.7	2030.3	1999.5
35°	2226.4	2168.7	2018.8	1945.7	1914.9
37.5°	2157.2	2095.7	1941.9	1861.1	1818.8
40°	2072.6	2011.1	1853.4	1765.0	1722.7
42.5°	1984.1	1926.5	1768.8	1661.1	1557.3
45°	1888.0	1834.2	1672.7	1522.7	1326.6
47.5°	1788.0	1741.9	1584.2	1380.4	1192.0
50°	1688.1	1641.9	1488.1	1245.9	1088.2
52.5°	1588.1	1549.6	1380.4	1134.3	1003.6
55°	1476.6	1442.0	1284.3	1026.7	934.4
57.5°	1376.6	1342.0	1172.8	938.2	861.3
60°	1265.1	1234.3	1069.0	849.8	792.1
62.5°	1161.3	1126.7	965.2	772.9	730.6
65°	1053.6	1015.1	865.2	696.0	669.1
67.5°	942.1	903.6	769.0	626.8	611.4
70°	830.6	799.8	672.9	557.6	549.9
72.5°	715.2	680.6	576.8	492.2	492.2
75°	599.9	569.1	484.5	419.1	419.1
77.5°	480.7	465.3	388.4	342.2	346.1
80°	376.8	357.6	292.2	261.5	261.5
82.5°	276.9	253.8	196.1	173.0	180.7
85°	173.0	142.3	103.8	88.4	88.4
87.5°	53.8	42.3	30.8	34.6	34.6
90°	7.7	26.9	42.3	53.8	57.7
92.5°	19.2	50.0	61.5	73.1	76.9
95°	30.8	65.4	88.4	92.3	92.3
97.5°	42.3	73.1	107.7	123.0	123.0
100°	57.7	76.9	115.4	138.4	142.3
102.5°	73.1	84.6	123.0	146.1	153.8
105°	88.4	92.3	130.7	153.8	161.5



TEST NUMBER: P520665

CATALOG NUMBER: 8WSLA-125-L930-UPL8-UNV-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	130.7	115.4	146.1	173.0	180.7
115°	146.1	123.0	153.8	176.9	188.4
117.5°	157.7	134.6	161.5	184.6	192.3
120°	169.2	142.3	165.3	192.3	200.0
122.5°	184.6	150.0	173.0	196.1	207.6
125°	196.1	157.7	176.9	203.8	211.5
127.5°	207.6	173.0	180.7	207.6	215.3
130°	215.3	188.4	184.6	211.5	219.2
132.5°	226.9	200.0	188.4	215.3	223.0
135°	234.6	211.5	196.1	215.3	226.9
137.5°	242.3	223.0	196.1	215.3	223.0
140°	249.9	234.6	200.0	215.3	223.0
142.5°	253.8	242.3	203.8	215.3	223.0
145°	261.5	249.9	219.2	215.3	223.0
147.5°	265.3	257.6	230.7	215.3	223.0
150°	269.2	265.3	242.3	219.2	219.2
152.5°	273.0	269.2	249.9	234.6	226.9
155°	276.9	273.0	257.6	246.1	242.3
157.5°	280.7	280.7	265.3	257.6	253.8
160°	280.7	284.5	273.0	265.3	261.5
162.5°	284.5	288.4	276.9	273.0	269.2
165°	284.5	288.4	280.7	280.7	280.7
167.5°	288.4	292.2	288.4	284.5	284.5
170°	288.4	292.2	288.4	288.4	288.4
172.5°	288.4	292.2	292.2	292.2	292.2
175°	288.4	292.2	292.2	296.1	296.1
177.5°	288.4	292.2	292.2	292.2	292.2
180°	292.2	292.2	292.2	292.2	292.2



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - - 90°-270°







107.5°	103.8	100.0	134.6	161.5	169.2
110°	115.4	107.7	142.3	165.3	173.0



(END OF REPORT)