

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: P520664

Luminaire Tested: **8WSLA-125-L930-UPL15-UNV-U**

Issue Date: 5/3/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P520664  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-174-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 8WSLA-125-L930-UPL15-UNV-U  
Description: 8 FOOT, 2500 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 3000K, 90 CRI  
LEDS WITH 15% UPLIGHT  
Light Source: -  
Ballast/Driver: -

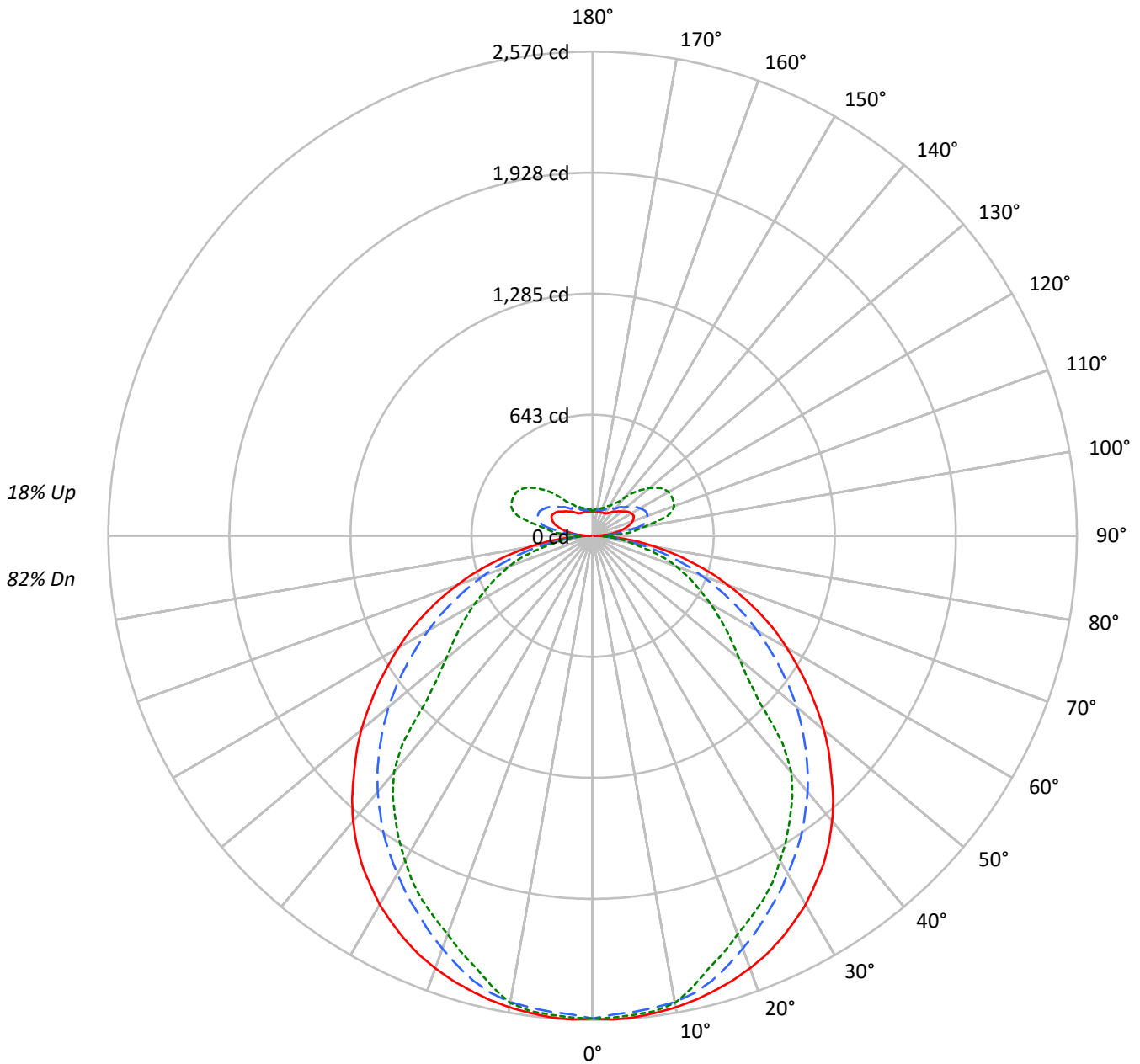
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8298.0 lumens  
Efficiency: N/A  
Efficacy: 106.1 lumens/watt  
Spacing Criteria (0/90/45): 1.3 / 1.16 / 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<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

TEST NUMBER: P520664

CATALOG NUMBER: 8WSLA-125-L930-UPL15-UNV-U

### Luminous Intensity Polar Plot





TEST NUMBER: P520664

CATALOG NUMBER: 8WSLA-125-L930-UPL15-UNV-U

**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	115	115	115	115	110	110	110	110	101	101	101	93	93	93	86	86	86	82																			
1	105	100	96	92	100	96	93	89	89	86	83	82	80	78	76	74	72	69																			
2	96	88	81	76	91	84	78	73	78	73	69	72	68	65	67	64	61	58																			
3	87	77	69	63	83	74	67	61	69	63	58	64	59	55	59	55	52	49																			
4	80	68	60	53	76	66	58	52	61	55	50	57	51	47	53	48	45	42																			
5	73	61	52	46	70	59	51	45	55	48	43	51	45	41	48	43	39	36																			
6	68	55	46	40	65	53	45	39	50	43	38	46	40	36	43	38	34	32																			
7	63	50	41	35	60	48	40	35	45	38	33	42	36	32	39	34	30	28																			
8	58	45	37	32	56	44	36	31	41	35	30	39	33	29	36	31	27	25																			
9	55	42	34	28	52	40	33	28	38	31	27	36	30	26	33	28	25	23																			
10	51	38	31	26	49	37	30	25	35	29	24	33	27	23	31	26	23	21																			

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

	0°	45°	90°
0°	6895	6895	6895
5°	6928	6851	6893
10°	6944	6866	6880
15°	6964	6812	6624
20°	6995	6675	6444
25°	7013	6543	6342
30°	7025	6435	6185
35°	7008	6351	6001
40°	6947	6235	5760
45°	6814	6082	4776
50°	6712	5918	4253
55°	6547	5681	4047
60°	6405	5426	3888
65°	6255	5130	3773
70°	6011	4805	3700
75°	5674	4404	3404
80°	5195	3705	3020
85°	4653	3208	3047



TEST NUMBER: P520664

CATALOG NUMBER: 8WSLA-125-L930-UPL15-UNV-U

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	242.8	2.9
10°-20°	689.8	8.3
20°-30°	1029.5	12.4
30°-40°	1226.6	14.8
40°-50°	1220.1	14.7
50°-60°	1045.6	12.6
60°-70°	787.5	9.5
70°-80°	456.1	5.5
80°-90°	137.1	1.7
90°-100°	147.2	1.8
100°-110°	302.2	3.6
110°-120°	319.5	3.9
120°-130°	266.6	3.2
130°-140°	186.2	2.2
140°-150°	115.9	1.4
150°-160°	71.8	0.9
160°-170°	40.5	0.5
170°-180°	13.0	0.2
0°-30°	1962.1	23.6
0°-40°	3188.7	38.4
0°-60°	5454.4	65.7
0°-90°	6835.1	82.4
90°-120°	768.9	9.3
90°-150°	1337.6	16.1
90°-180°	1463.0	17.6
0°-180°	8298.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2562	2562	2562	2562	2562	
5°	2565	2557	2536	2554	2552	244
15°	2500	2497	2445	2404	2378	706
25°	2362	2328	2204	2149	2136	1089
35°	2133	2076	1933	1858	1827	1333
45°	1790	1746	1598	1440	1255	1384
55°	1395	1375	1211	962	863	1247
65°	982	959	806	626	592	971
75°	546	528	424	338	327	578
85°	151	132	104	99	99	161
90°	8	36	62	78	83	15
95°	83	112	127	187	203	80
105°	195	203	291	390	413	202
115°	242	205	309	426	468	235
125°	224	198	268	392	442	199
135°	182	198	216	291	335	142
145°	148	172	187	200	213	94
155°	135	143	153	166	169	62
165°	132	138	143	148	148	38
175°	130	132	135	138	140	12
180°	127	127	127	127	127	



TEST NUMBER: P520664

CATALOG NUMBER: 8WSLA-125-L930-UPL15-UNV-U

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2562.2	2562.2	2562.2	2562.2	2562.2
2.5°	2570.0	2564.8	2544.0	2564.8	2559.6
5°	2564.8	2557.0	2536.2	2554.4	2551.8
7.5°	2554.4	2549.2	2525.8	2546.6	2544.0
10°	2541.4	2533.6	2512.8	2528.4	2518.0
12.5°	2523.2	2518.0	2486.8	2473.8	2453.1
15°	2499.8	2497.2	2445.3	2403.7	2377.7
17.5°	2473.8	2463.4	2390.7	2341.3	2317.9
20°	2442.7	2427.1	2330.9	2273.8	2250.4
22.5°	2406.3	2382.9	2271.2	2216.6	2193.2
25°	2362.1	2328.3	2203.6	2149.0	2136.0
27.5°	2312.7	2273.8	2141.2	2086.7	2071.1
30°	2260.8	2211.4	2071.1	2019.1	1990.5
32.5°	2195.8	2149.0	2003.5	1943.7	1912.5
35°	2133.4	2076.3	1933.3	1858.0	1826.8
37.5°	2058.1	2000.9	1852.8	1777.4	1741.0
40°	1977.5	1920.3	1774.8	1686.5	1639.7
42.5°	1889.2	1837.2	1689.1	1582.5	1491.6
45°	1790.4	1746.2	1598.1	1439.6	1255.1
47.5°	1699.5	1657.9	1507.2	1301.9	1112.2
50°	1603.3	1564.3	1413.6	1172.0	1016.0
52.5°	1496.8	1468.2	1312.3	1060.2	935.5
55°	1395.4	1374.6	1210.9	961.5	862.7
57.5°	1288.9	1268.1	1109.6	867.9	790.0
60°	1190.1	1169.4	1008.2	784.8	722.4
62.5°	1091.4	1062.8	909.5	704.2	652.2
65°	982.3	958.9	805.6	626.3	592.5
67.5°	873.1	852.3	709.4	553.5	530.1
70°	764.0	745.8	610.7	483.3	470.3
72.5°	657.4	634.1	522.3	413.2	408.0
75°	545.7	527.5	423.6	337.8	327.4
77.5°	439.2	423.6	332.6	257.3	249.5
80°	335.2	319.6	239.1	187.1	194.9
82.5°	246.9	226.1	161.1	145.5	153.3
85°	150.7	132.5	103.9	98.7	98.7
87.5°	52.0	49.4	46.8	54.6	57.2
90°	7.8	36.4	62.4	78.0	83.2
92.5°	44.2	65.0	85.8	101.3	106.5
95°	83.2	111.7	127.3	187.1	202.7
97.5°	114.3	148.1	166.3	220.9	236.5
100°	145.5	176.7	233.9	262.5	280.6
102.5°	171.5	194.9	275.4	332.6	343.0
105°	194.9	202.7	291.0	389.8	413.2



TEST NUMBER: P520664

CATALOG NUMBER: 8WSLA-125-L930-UPL15-UNV-U

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	233.9	207.9	311.8	423.6	465.1
115°	241.7	205.3	309.2	426.2	467.7
117.5°	241.7	205.3	301.4	426.2	467.7
120°	236.5	207.9	291.0	421.0	465.1
122.5°	231.3	202.7	280.6	410.6	454.8
125°	223.5	197.5	267.7	392.4	441.8
127.5°	210.5	202.7	254.7	369.0	418.4
130°	200.1	205.3	239.1	345.6	395.0
132.5°	192.3	200.1	223.5	319.6	363.8
135°	181.9	197.5	215.7	291.0	335.2
137.5°	174.1	189.7	202.7	265.1	301.4
140°	166.3	184.5	189.7	231.3	262.5
142.5°	155.9	176.7	179.3	215.7	228.7
145°	148.1	171.5	187.1	200.1	213.1
147.5°	140.3	161.1	181.9	184.5	197.5
150°	137.7	150.7	174.1	176.7	181.9
152.5°	135.1	145.5	161.1	176.7	179.3
155°	135.1	142.9	153.3	166.3	168.9
157.5°	132.5	142.9	148.1	158.5	161.1
160°	132.5	140.3	145.5	153.3	155.9
162.5°	132.5	140.3	142.9	150.7	153.3
165°	132.5	137.7	142.9	148.1	148.1
167.5°	132.5	137.7	140.3	145.5	145.5
170°	132.5	135.1	140.3	142.9	142.9
172.5°	129.9	135.1	137.7	142.9	142.9
175°	129.9	132.5	135.1	137.7	140.3
177.5°	124.7	132.5	135.1	137.7	135.1
180°	127.3	127.3	127.3	127.3	127.3



Report Generated By 670246072 / DESKTOP-MV3F9LC







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







107.5°	213.1	205.3	301.4	410.6	444.4
110°	226.1	207.9	309.2	418.4	459.9



(END OF REPORT)