

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: METALUX

Report Number: P567307

Luminaire Tested: **8SNX-126SL-LC-UNV-L835-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567307  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2205-663-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SNX-126SL-LC-UNV-L835-CD  
Description: 8FT 12600 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LC LENS  
Light Source: -  
Ballast/Driver: -

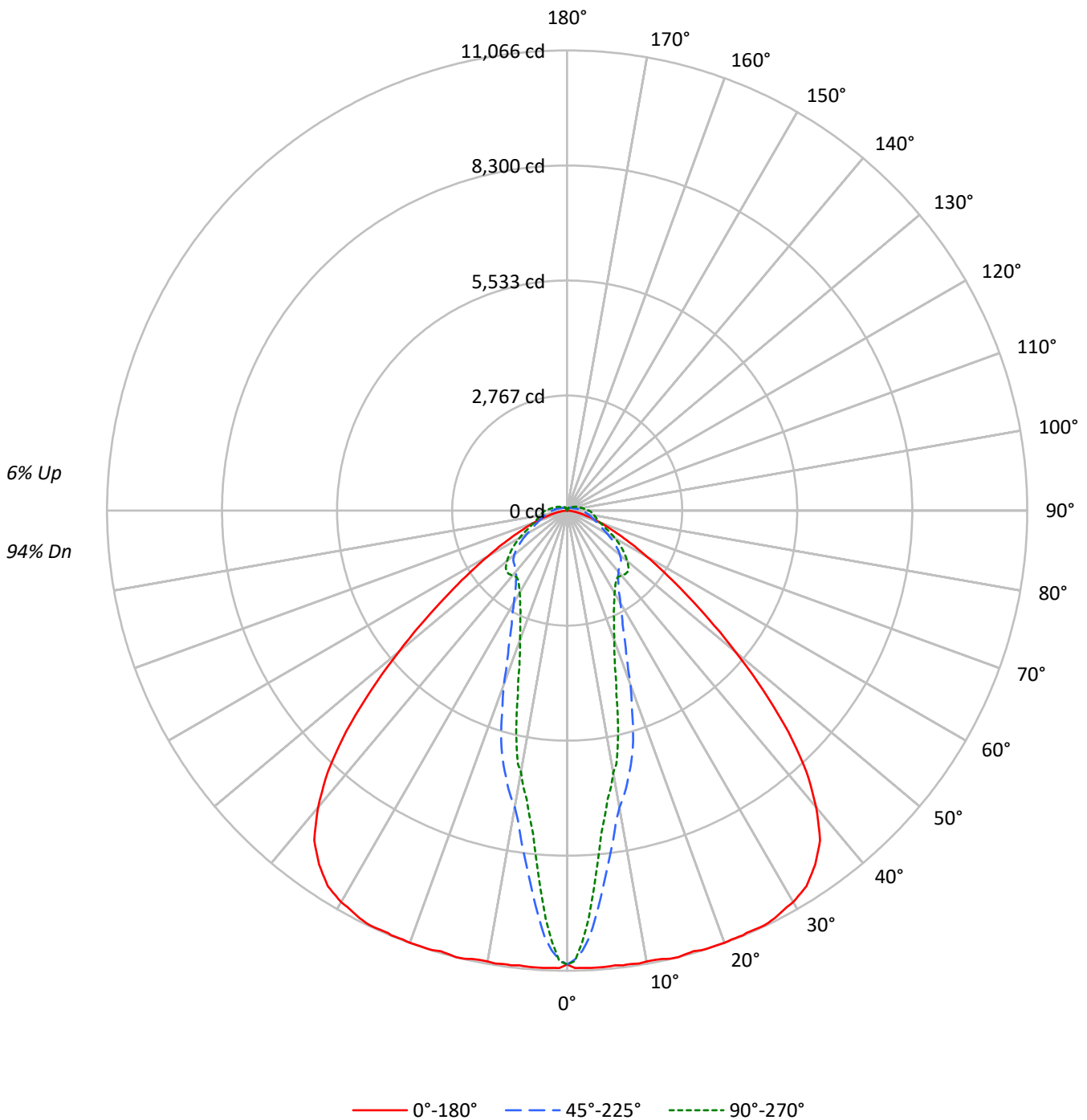
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13454.0 lumens  
Efficiency: N/A  
Efficacy: 151.5 lumens/watt  
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 88.8  
Input Voltage (V): NR  
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

TEST NUMBER: P567307  
CATALOG NUMBER: 8SNX-126SL-LC-UNV-L835-CD

### Luminous Intensity Polar Plot





TEST NUMBER: P567307

CATALOG NUMBER: 8SNX-126SL-LC-UNV-L835-CD

**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	50	30	10	0	
RCR																						
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	96	96	96	94				
1	108	103	99	96	105	101	97	94	95	92	90	90	88	86	86	84	82	80				
2	99	92	86	80	96	89	84	79	85	80	76	81	77	74	77	74	71	69				
3	92	82	75	69	89	80	73	68	76	71	66	73	68	64	70	66	62	60				
4	85	74	66	60	82	72	65	59	69	63	58	66	61	56	63	59	55	53				
5	79	67	59	53	76	66	58	52	63	56	51	60	55	50	58	53	49	47				
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	53	48	44	42				
7	69	56	48	43	67	55	48	42	53	46	42	51	45	41	50	44	40	38				
8	64	52	44	39	63	51	44	39	49	43	38	48	42	37	46	41	37	35				
9	61	48	41	36	59	47	40	35	46	39	35	44	39	34	43	38	34	32				
10	57	45	38	33	56	44	37	33	43	37	32	42	36	32	40	35	31	30				

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

	0°	45°	90°
0°	58741	58741	58741
5°	59379	48307	43186
10°	59955	36510	31255
15°	61164	29877	21643
20°	62864	21641	15285
25°	64961	15520	12025
30°	66769	12413	10241
35°	67330	10511	9173
40°	64366	9565	9195
45°	56034	9251	9446
50°	43150	8809	8815
55°	31413	7713	7821
60°	22922	6447	6613
65°	16810	5459	5421
70°	12520	4831	4675
75°	9045	4483	4357
80°	6115	4209	4291
85°	3097	4026	4297



TEST NUMBER: P567307

CATALOG NUMBER: 8SNX-126SL-LC-UNV-L835-CD

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	858.4	6.4
10°-20°	1863.9	13.9
20°-30°	2133.5	15.9
30°-40°	2137.4	15.9
40°-50°	2023.3	15.0
50°-60°	1551.7	11.5
60°-70°	1000.2	7.4
70°-80°	637.8	4.7
80°-90°	423.5	3.1
90°-100°	284.7	2.1
100°-110°	187.6	1.4
110°-120°	130.5	1.0
120°-130°	91.0	0.7
130°-140°	63.2	0.5
140°-150°	38.7	0.3
150°-160°	19.6	0.1
160°-170°	7.6	0.1
170°-180°	1.5	0.0
0°-30°	4855.8	36.1
0°-40°	6993.2	52.0
0°-60°	10568.1	78.6
0°-90°	12629.7	93.9
90°-120°	602.8	4.5
90°-150°	795.7	5.9
90°-180°	824.0	6.1
0°-180°	13454.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	10914	10914	10914	10914	10914	
5°	11011	10404	9322	8694	8460	###
15°	11039	7950	6061	4978	4578	3131
25°	11046	5626	3206	2786	2654	5092
35°	10397	3130	2144	2075	2048	6451
45°	7515	1979	1806	2000	2068	5714
55°	3447	1413	1393	1565	1627	3170
65°	1379	889	876	1000	1034	1418
75°	469	483	607	696	731	515
85°	62	221	428	558	600	85
90°	0	152	358	496	517	3
95°	0	110	296	407	428	0
105°	0	83	193	276	296	5
115°	7	69	145	200	214	7
125°	7	62	124	145	152	6
135°	7	48	96	117	124	5
145°	7	34	69	90	96	4
155°	7	21	41	62	69	4
165°	14	14	28	34	41	3
175°	14	14	14	14	7	1
180°	14	14	14	14	14	



TEST NUMBER: P567307

CATALOG NUMBER: 8SNX-126SL-LC-UNV-L835-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	10914.5	10914.5	10914.5	10914.5	10914.5
1°	11004.2	10942.1	10797.3	10838.7	10831.8
2°	11004.2	10873.2	10590.5	10507.7	10383.6
3°	11011.1	10756.0	10273.3	10004.4	9832.0
4°	11011.1	10583.6	9804.5	9356.3	9135.7
5°	11011.1	10404.3	9321.8	8694.4	8460.0
6°	10997.3	10190.6	8832.3	8170.4	7818.8
7°	11018.0	9956.2	8391.0	7680.9	7405.1
8°	11011.1	9680.4	7984.2	7308.5	7005.2
9°	11031.8	9411.5	7543.0	6956.9	6729.4
10°	11011.1	9163.2	7253.4	6625.9	6391.5
11°	11011.1	8921.9	7046.5	6412.2	6212.3
12°	11024.9	8646.1	6819.0	6108.8	5833.0
13°	11059.3	8363.4	6557.0	5777.9	5453.8
14°	11066.2	8149.7	6315.7	5357.3	5019.4
15°	11038.6	7949.8	6060.6	4978.1	4578.2
16°	11024.9	7742.9	5757.2	4619.5	4261.0
17°	11052.4	7501.6	5412.5	4254.1	3923.2
18°	11059.3	7281.0	5047.0	3978.3	3688.7
19°	11059.3	7108.6	4750.5	3723.2	3475.0
20°	11059.3	6943.1	4447.2	3530.2	3316.4
21°	11045.5	6736.3	4102.4	3330.2	3150.9
22.5°	11052.4	6350.2	3709.4	3095.8	2951.0
23°	11031.8	6253.6	3612.9	3033.7	2882.0
24°	11038.6	5977.8	3406.1	2909.6	2764.8
25°	11045.5	5626.2	3206.1	2785.5	2654.5
26°	11031.8	5343.5	3040.6	2668.3	2578.7
27°	10997.3	5116.0	2923.4	2571.8	2489.0
28°	10949.0	4812.6	2799.3	2489.0	2413.2
29°	10900.7	4467.9	2675.2	2399.4	2344.2
30°	10873.2	4192.1	2558.0	2330.5	2282.2
32.5°	10707.7	3647.4	2316.7	2192.6	2151.2
35°	10397.4	3130.3	2144.3	2075.3	2047.8
37.5°	9990.6	2730.4	2013.3	1999.5	2006.4
40°	9321.8	2413.2	1916.8	1978.8	2040.9
42.5°	8522.0	2165.0	1847.8	1999.5	2068.5
45°	7515.4	1978.8	1806.4	1999.5	2068.5
47.5°	6398.4	1827.1	1758.2	1930.6	1999.5
50°	5281.5	1689.2	1661.7	1827.1	1889.2
52.5°	4295.5	1558.2	1537.6	1696.1	1758.2
55°	3447.4	1413.4	1392.8	1565.1	1627.2
57.5°	2764.8	1275.5	1254.9	1413.4	1475.5
60°	2206.4	1137.6	1103.2	1261.8	1323.8
62.5°	1758.2	1006.6	986.0	1123.9	1179.0
65°	1379.0	889.4	875.6	999.8	1034.2



TEST NUMBER: P567307

CATALOG NUMBER: 8SNX-126SL-LC-UNV-L835-CD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	1089.4	779.1	786.0	889.4	930.8
70°	841.2	675.7	717.1	813.6	841.2
72.5°	634.3	572.3	661.9	744.6	779.1
75°	468.8	482.6	606.7	696.4	730.9
77.5°	324.1	399.9	558.5	655.0	689.5
80°	220.6	324.1	510.2	620.5	661.9
82.5°	131.0	268.9	468.8	586.1	634.3
85°	62.1	220.6	427.5	558.5	599.9
87.5°	20.7	179.3	386.1	530.9	565.4
90°	0.0	151.7	358.5	496.4	517.1
92.5°	0.0	131.0	324.1	455.1	468.8
95°	0.0	110.3	296.5	406.8	427.5
97.5°	0.0	103.4	275.8	365.4	393.0
100°	0.0	96.5	248.2	331.0	358.5
102.5°	0.0	82.7	220.6	296.5	324.1
105°	0.0	82.7	193.1	275.8	296.5
107.5°	6.9	75.8	179.3	248.2	275.8
110°	6.9	75.8	158.6	234.4	255.1
112.5°	6.9	75.8	151.7	213.7	241.3
115°	6.9	68.9	144.8	200.0	213.7
117.5°	6.9	68.9	137.9	179.3	193.1
120°	6.9	62.1	131.0	165.5	172.4
122.5°	6.9	62.1	124.1	151.7	158.6
125°	6.9	62.1	124.1	144.8	151.7
127.5°	6.9	55.2	117.2	137.9	137.9
130°	6.9	55.2	110.3	131.0	131.0
132.5°	6.9	48.3	103.4	124.1	131.0
135°	6.9	48.3	96.5	117.2	124.1
137.5°	6.9	41.4	89.6	110.3	117.2
140°	6.9	41.4	82.7	103.4	110.3
142.5°	6.9	34.5	75.8	96.5	103.4
145°	6.9	34.5	68.9	89.6	96.5
147.5°	6.9	34.5	62.1	82.7	89.6
150°	6.9	27.6	55.2	75.8	82.7
152.5°	6.9	27.6	48.3	68.9	75.8
155°	6.9	20.7	41.4	62.1	68.9
157.5°	6.9	20.7	41.4	55.2	62.1
160°	13.8	20.7	34.5	48.3	55.2
162.5°	6.9	13.8	34.5	41.4	48.3
165°	13.8	13.8	27.6	34.5	41.4
167.5°	13.8	13.8	20.7	27.6	34.5
170°	13.8	13.8	20.7	20.7	27.6
172.5°	13.8	13.8	13.8	20.7	13.8
175°	13.8	13.8	13.8	13.8	6.9
177.5°	13.8	13.8	13.8	13.8	6.9



TEST NUMBER: P567307

CATALOG NUMBER: 8SNX-126SL-LC-UNV-L835-CD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	13.8	13.8	13.8	13.8	13.8

(END OF REPORT)