

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: P567314

Luminaire Tested: **8SNX-126SL-LN-UNV-L830-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567314  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SNX-126SL-LN-UNV-L830-CD  
Description: 8FT 12600 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND LN LENS  
Light Source: -  
Ballast/Driver: -

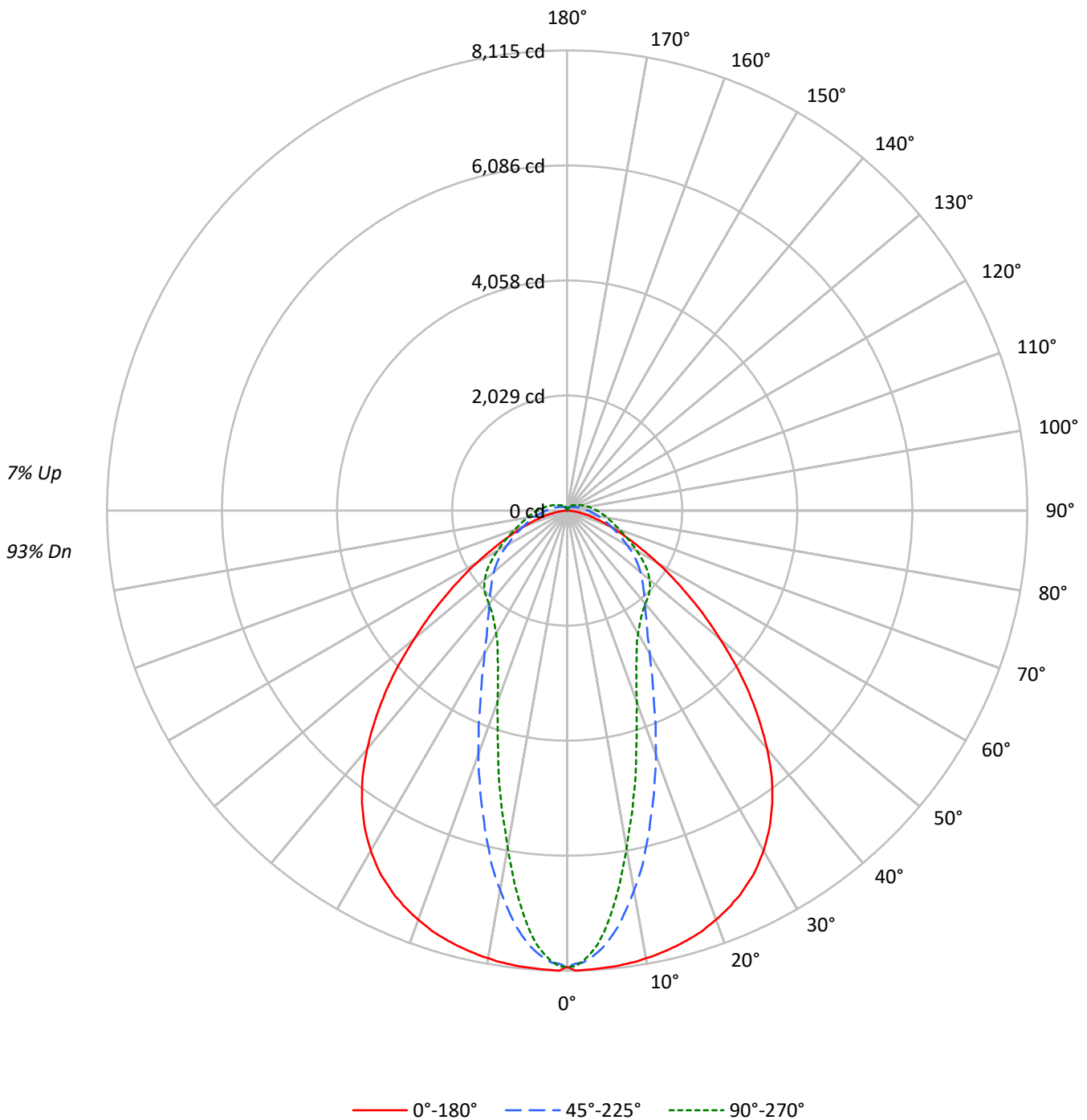
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12828.0 lumens  
Efficiency: N/A  
Efficacy: 144.5 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78  
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

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### Luminous Intensity Polar Plot





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**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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93				
1	107	103	99	95	104	100	96	93	94	91	88	89	87	85	85	83	81	78				
2	99	91	84	79	95	88	82	77	84	79	75	79	75	72	76	72	69	67				
3	91	81	73	67	88	79	72	66	75	69	64	71	66	62	68	64	60	58				
4	84	73	64	58	81	71	63	57	67	61	56	64	59	54	62	57	53	51				
5	78	66	57	51	75	64	56	51	61	55	49	59	53	48	56	51	47	45				
6	72	60	51	45	70	59	51	45	56	49	44	54	48	43	52	46	42	40				
7	67	55	47	41	65	54	46	41	52	45	40	50	44	39	48	42	38	36				
8	63	51	43	37	61	50	42	37	48	41	36	46	40	36	44	39	35	33				
9	59	47	39	34	58	46	39	34	44	38	33	43	37	33	41	36	32	30				
10	56	44	36	31	54	43	36	31	41	35	31	40	34	30	39	34	30	28				

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

	0°	45°	90°
0°	43311	43311	43311
5°	43614	39856	38094
10°	43635	34212	29555
15°	43695	27939	22152
20°	43641	22279	16578
25°	43335	17477	13157
30°	42522	14159	11222
35°	40836	11995	10209
40°	37880	10601	9662
45°	33785	9710	9364
50°	28726	8946	8846
55°	23708	8117	8079
60°	19068	7150	7086
65°	14916	6287	6166
70°	11708	5571	5455
75°	9209	5017	4970
80°	6708	4603	4620
85°	4025	4306	4431



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	712.6	5.6
10°-20°	1670.5	13.0
20°-30°	1982.9	15.5
30°-40°	1995.0	15.6
40°-50°	1854.4	14.5
50°-60°	1527.0	11.9
60°-70°	1076.0	8.4
70°-80°	702.9	5.5
80°-90°	448.8	3.5
90°-100°	294.3	2.3
100°-110°	199.8	1.6
110°-120°	136.9	1.1
120°-130°	94.7	0.7
130°-140°	63.8	0.5
140°-150°	39.3	0.3
150°-160°	20.4	0.2
160°-170°	7.4	0.1
170°-180°	1.3	0.0
0°-30°	4366.0	34.0
0°-40°	6360.9	49.6
0°-60°	9742.3	75.9
0°-90°	11970.1	93.3
90°-120°	631.1	4.9
90°-150°	828.9	6.5
90°-180°	858.0	6.7
0°-180°	12828.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	8047	8047	8047	8047	8047	
5°	8088	7980	7691	7543	7462	770
15°	7886	7046	5668	4955	4686	2227
25°	7368	5446	3610	3032	2904	3391
35°	6306	3684	2447	2292	2279	3922
45°	4531	2427	1896	1997	2050	3479
55°	2602	1593	1466	1627	1681	2350
65°	1224	961	1008	1136	1176	1241
75°	477	498	679	800	834	516
85°	81	229	457	592	618	101
90°	0	155	370	504	524	5
95°	0	114	309	424	444	0
105°	0	81	208	296	323	0
115°	7	67	148	215	229	6
125°	7	54	121	155	168	6
135°	7	47	94	121	128	5
145°	7	34	67	94	101	4
155°	7	27	47	67	74	3
165°	7	13	27	34	40	2
175°	13	13	13	13	7	1
180°	7	7	7	7	7	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	8047.4	8047.4	8047.4	8047.4	8047.4
1°	8114.6	8081.0	7993.6	8054.1	8040.7
2°	8107.9	8074.3	7973.4	8000.3	7953.3
3°	8101.2	8054.1	7899.5	7892.8	7825.5
4°	8094.4	8020.5	7805.4	7724.7	7670.9
5°	8087.7	7980.2	7691.1	7543.2	7462.5
6°	8081.0	7933.1	7543.2	7321.3	7207.0
7°	8067.6	7859.1	7388.5	7086.0	6938.1
8°	8054.1	7791.9	7193.6	6830.5	6649.0
9°	8040.7	7704.5	6998.6	6554.9	6339.8
10°	8013.8	7617.1	6796.9	6272.5	6043.9
11°	8000.3	7516.3	6602.0	6003.6	5734.7
12°	7973.4	7408.7	6393.5	5721.2	5485.9
13°	7946.5	7294.4	6138.1	5479.2	5196.9
14°	7919.7	7173.4	5916.2	5210.3	4948.1
15°	7886.0	7045.7	5667.5	4954.8	4685.9
16°	7852.4	6897.8	5445.6	4692.6	4410.3
17°	7818.8	6756.6	5237.2	4450.6	4195.1
18°	7778.5	6615.4	4995.2	4215.3	3966.5
19°	7724.7	6454.0	4800.2	4000.2	3771.6
20°	7677.6	6306.1	4578.3	3798.5	3596.8
21°	7623.8	6124.6	4356.5	3610.2	3408.5
22.5°	7543.2	5869.1	4074.1	3374.9	3186.7
23°	7502.8	5795.2	3959.8	3287.5	3126.2
24°	7449.0	5600.2	3771.6	3153.1	2991.7
25°	7368.4	5445.6	3610.2	3032.1	2904.3
26°	7294.4	5257.4	3448.9	2924.5	2796.8
27°	7220.5	5075.8	3307.7	2810.2	2702.6
28°	7126.3	4887.6	3153.1	2716.1	2622.0
29°	7025.5	4712.8	3025.3	2635.4	2561.4
30°	6924.7	4517.8	2917.8	2561.4	2500.9
32.5°	6642.3	4087.6	2642.1	2420.3	2379.9
35°	6306.1	3684.2	2447.2	2292.5	2279.1
37.5°	5929.7	3314.4	2272.4	2191.7	2205.1
40°	5485.9	2978.3	2124.5	2117.7	2144.6
42.5°	5015.3	2689.2	2010.2	2057.2	2097.6
45°	4531.3	2427.0	1895.9	1996.7	2050.5
47.5°	4027.1	2198.4	1795.0	1922.8	1983.3
50°	3516.1	1976.6	1687.5	1835.4	1895.9
52.5°	3058.9	1781.6	1579.9	1734.5	1801.8
55°	2601.8	1593.3	1465.6	1627.0	1680.7
57.5°	2205.1	1418.5	1344.6	1505.9	1546.3
60°	1835.4	1250.5	1223.6	1371.5	1418.5
62.5°	1499.2	1102.6	1109.3	1250.5	1297.5
65°	1223.6	961.4	1008.4	1136.2	1176.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	995.0	826.9	907.6	1042.1	1075.7
70°	786.6	705.9	826.9	947.9	981.6
72.5°	625.2	598.3	746.2	874.0	900.9
75°	477.3	497.5	679.0	800.0	833.6
77.5°	342.9	416.8	611.8	739.5	766.4
80°	242.0	342.9	558.0	685.7	712.6
82.5°	154.6	282.4	504.2	638.7	665.6
85°	80.7	228.6	457.2	591.6	618.5
87.5°	33.6	188.2	410.1	544.6	571.5
90°	0.0	154.6	369.8	504.2	524.4
92.5°	0.0	134.5	336.1	463.9	484.1
95°	0.0	114.3	309.3	423.5	443.7
97.5°	0.0	107.6	275.6	389.9	410.1
100°	0.0	94.1	248.7	356.3	383.2
102.5°	0.0	87.4	228.6	322.7	349.6
105°	0.0	80.7	208.4	295.8	322.7
107.5°	0.0	74.0	195.0	275.6	295.8
110°	0.0	74.0	174.8	255.5	275.6
112.5°	6.7	67.2	161.4	228.6	248.7
115°	6.7	67.2	147.9	215.1	228.6
117.5°	6.7	67.2	141.2	195.0	208.4
120°	6.7	60.5	134.5	181.5	195.0
122.5°	6.7	60.5	127.7	168.1	174.8
125°	6.7	53.8	121.0	154.6	168.1
127.5°	6.7	53.8	114.3	147.9	154.6
130°	6.7	53.8	107.6	134.5	147.9
132.5°	6.7	47.1	100.8	127.7	134.5
135°	6.7	47.1	94.1	121.0	127.7
137.5°	6.7	40.3	87.4	114.3	121.0
140°	6.7	40.3	80.7	107.6	114.3
142.5°	6.7	33.6	74.0	100.8	107.6
145°	6.7	33.6	67.2	94.1	100.8
147.5°	6.7	33.6	60.5	87.4	94.1
150°	6.7	26.9	53.8	80.7	87.4
152.5°	6.7	26.9	47.1	74.0	80.7
155°	6.7	26.9	47.1	67.2	74.0
157.5°	6.7	20.2	40.3	53.8	67.2
160°	6.7	20.2	33.6	47.1	60.5
162.5°	6.7	20.2	33.6	40.3	47.1
165°	6.7	13.4	26.9	33.6	40.3
167.5°	6.7	13.4	20.2	26.9	33.6
170°	6.7	13.4	20.2	20.2	26.9
172.5°	6.7	13.4	13.4	13.4	13.4
175°	13.4	13.4	13.4	13.4	6.7
177.5°	13.4	13.4	13.4	6.7	6.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	6.7	6.7	6.7	6.7	6.7

(END OF REPORT)