

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: P567313

Luminaire Tested: **8SNX-126SL-LC-UNV-L950-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567313  
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-L950-CD  
Description: 8FT 12600 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LC LENS  
Light Source: -  
Ballast/Driver: -

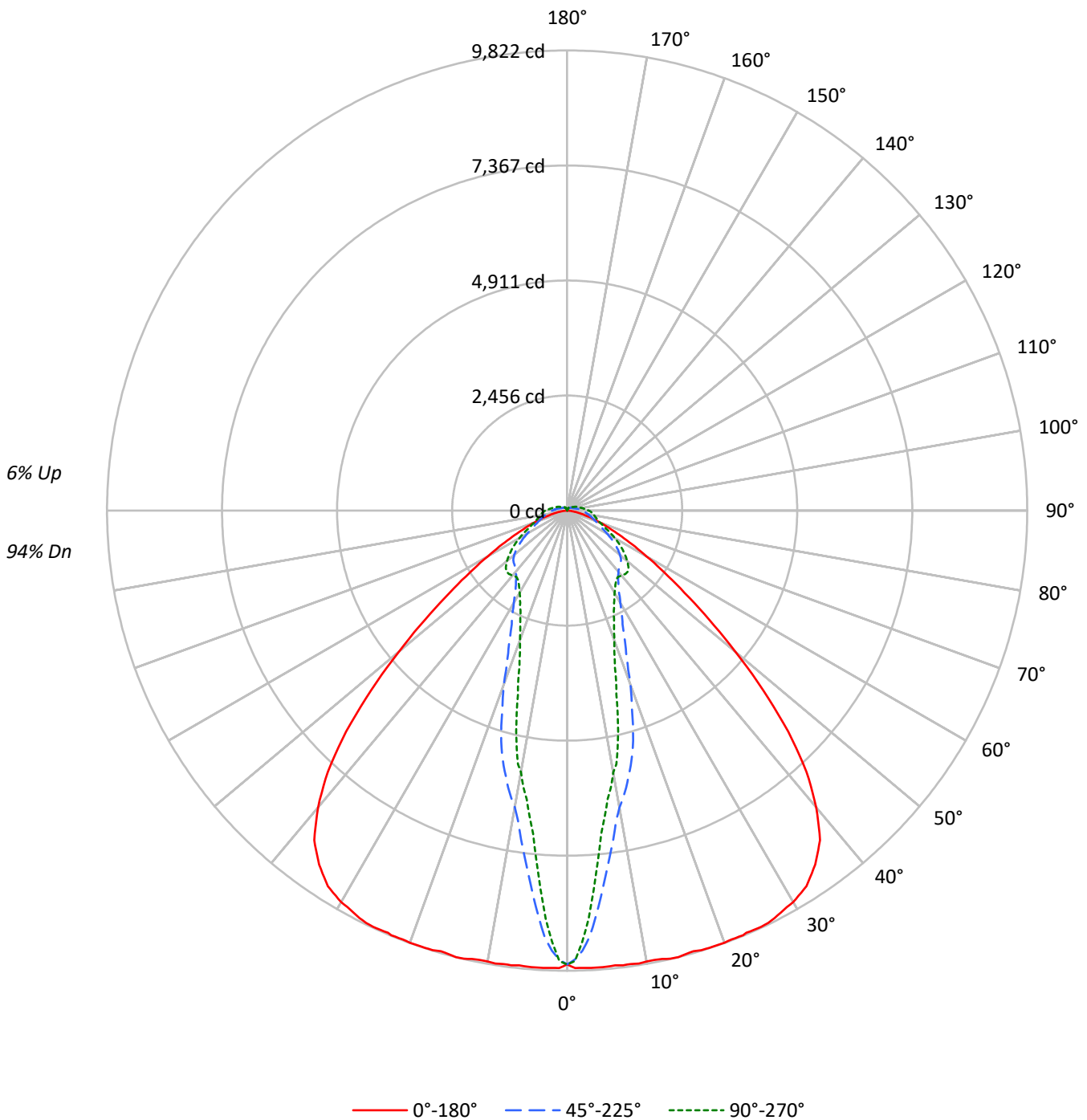
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11941.0 lumens  
Efficiency: N/A  
Efficacy: 134.5 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

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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	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°	52136	52136	52136
5°	52702	42874	38330
10°	53213	32404	27740
15°	54286	26517	19209
20°	55794	19208	13567
25°	57656	13775	10673
30°	59260	11017	9089
35°	59759	9329	8141
40°	57128	8489	8161
45°	49732	8211	8384
50°	38297	7818	7823
55°	27880	6846	6942
60°	20344	5721	5869
65°	14920	4846	4811
70°	11112	4288	4149
75°	8028	3979	3867
80°	5427	3735	3809
85°	2748	3573	3814



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	761.8	6.4
10°-20°	1654.3	13.9
20°-30°	1893.6	15.9
30°-40°	1897.0	15.9
40°-50°	1795.7	15.0
50°-60°	1377.2	11.5
60°-70°	887.7	7.4
70°-80°	566.1	4.7
80°-90°	375.9	3.1
90°-100°	252.7	2.1
100°-110°	166.5	1.4
110°-120°	115.8	1.0
120°-130°	80.8	0.7
130°-140°	56.1	0.5
140°-150°	34.3	0.3
150°-160°	17.4	0.1
160°-170°	6.7	0.1
170°-180°	1.3	0.0
0°-30°	4309.7	36.1
0°-40°	6206.7	52.0
0°-60°	9379.7	78.6
0°-90°	11209.4	93.9
90°-120°	535.0	4.5
90°-150°	706.2	5.9
90°-180°	732.0	6.1
0°-180°	11941.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	9687	9687	9687	9687	9687	
5°	9773	9234	8274	7717	7509	933
15°	9797	7056	5379	4418	4063	2779
25°	9803	4994	2846	2472	2356	4519
35°	9228	2778	1903	1842	1818	5726
45°	6670	1756	1603	1775	1836	5071
55°	3060	1254	1236	1389	1444	2814
65°	1224	789	777	887	918	1259
75°	416	428	538	618	649	457
85°	55	196	379	496	532	76
90°	0	135	318	441	459	3
95°	0	98	263	361	379	0
105°	0	73	171	245	263	4
115°	6	61	128	178	190	6
125°	6	55	110	128	135	5
135°	6	43	86	104	110	5
145°	6	31	61	80	86	4
155°	6	18	37	55	61	3
165°	12	12	24	31	37	3
175°	12	12	12	12	6	1
180°	12	12	12	12	12	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	9687.1	9687.1	9687.1	9687.1	9687.1
1°	9766.7	9711.6	9583.1	9619.8	9613.7
2°	9766.7	9650.4	9399.5	9326.1	9215.9
3°	9772.8	9546.4	9118.0	8879.3	8726.4
4°	9772.8	9393.4	8701.9	8304.1	8108.3
5°	9772.8	9234.3	8273.5	7716.6	7508.6
6°	9760.6	9044.6	7839.0	7251.6	6939.5
7°	9778.9	8836.5	7447.4	6817.1	6572.3
8°	9772.8	8591.7	7086.3	6486.6	6217.4
9°	9791.1	8353.1	6694.7	6174.5	5972.6
10°	9772.8	8132.8	6437.7	5880.8	5672.7
11°	9772.8	7918.6	6254.1	5691.1	5513.6
12°	9785.0	7673.8	6052.2	5421.8	5177.1
13°	9815.6	7422.9	5819.6	5128.1	4840.5
14°	9821.7	7233.2	5605.4	4754.8	4455.0
15°	9797.3	7055.7	5379.0	4418.3	4063.3
16°	9785.0	6872.2	5109.8	4100.0	3781.8
17°	9809.5	6658.0	4803.8	3775.7	3482.0
18°	9815.6	6462.2	4479.5	3530.9	3273.9
19°	9815.6	6309.2	4216.3	3304.5	3084.2
20°	9815.6	6162.3	3947.1	3133.2	2943.5
21°	9803.4	5978.7	3641.1	2955.7	2796.6
22.5°	9809.5	5636.0	3292.3	2747.6	2619.1
23°	9791.1	5550.4	3206.6	2692.6	2557.9
24°	9797.3	5305.6	3023.0	2582.4	2453.9
25°	9803.4	4993.5	2845.6	2472.3	2356.0
26°	9791.1	4742.6	2698.7	2368.2	2288.7
27°	9760.6	4540.6	2594.7	2282.6	2209.1
28°	9717.7	4271.4	2484.5	2209.1	2141.8
29°	9674.9	3965.4	2374.4	2129.6	2080.6
30°	9650.4	3720.6	2270.3	2068.4	2025.5
32.5°	9503.5	3237.2	2056.1	1946.0	1909.3
35°	9228.2	2778.2	1903.2	1842.0	1817.5
37.5°	8867.1	2423.3	1786.9	1774.6	1780.8
40°	8273.5	2141.8	1701.2	1756.3	1811.4
42.5°	7563.7	1921.5	1640.0	1774.6	1835.8
45°	6670.2	1756.3	1603.3	1774.6	1835.8
47.5°	5678.9	1621.7	1560.5	1713.5	1774.6
50°	4687.5	1499.3	1474.8	1621.7	1676.7
52.5°	3812.4	1383.0	1364.6	1505.4	1560.5
55°	3059.7	1254.5	1236.1	1389.1	1444.2
57.5°	2453.9	1132.1	1113.7	1254.5	1309.6
60°	1958.2	1009.7	979.1	1119.9	1174.9
62.5°	1560.5	893.4	875.1	997.5	1046.4
65°	1223.9	789.4	777.2	887.3	917.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	966.9	691.5	697.6	789.4	826.1
70°	746.6	599.7	636.4	722.1	746.6
72.5°	563.0	507.9	587.5	660.9	691.5
75°	416.1	428.4	538.5	618.1	648.7
77.5°	287.6	354.9	495.7	581.3	611.9
80°	195.8	287.6	452.8	550.8	587.5
82.5°	116.3	238.7	416.1	520.2	563.0
85°	55.1	195.8	379.4	495.7	532.4
87.5°	18.4	159.1	342.7	471.2	501.8
90°	0.0	134.6	318.2	440.6	459.0
92.5°	0.0	116.3	287.6	403.9	416.1
95°	0.0	97.9	263.1	361.0	379.4
97.5°	0.0	91.8	244.8	324.3	348.8
100°	0.0	85.7	220.3	293.7	318.2
102.5°	0.0	73.4	195.8	263.1	287.6
105°	0.0	73.4	171.3	244.8	263.1
107.5°	6.1	67.3	159.1	220.3	244.8
110°	6.1	67.3	140.7	208.1	226.4
112.5°	6.1	67.3	134.6	189.7	214.2
115°	6.1	61.2	128.5	177.5	189.7
117.5°	6.1	61.2	122.4	159.1	171.3
120°	6.1	55.1	116.3	146.9	153.0
122.5°	6.1	55.1	110.2	134.6	140.7
125°	6.1	55.1	110.2	128.5	134.6
127.5°	6.1	49.0	104.0	122.4	122.4
130°	6.1	49.0	97.9	116.3	116.3
132.5°	6.1	42.8	91.8	110.2	116.3
135°	6.1	42.8	85.7	104.0	110.2
137.5°	6.1	36.7	79.6	97.9	104.0
140°	6.1	36.7	73.4	91.8	97.9
142.5°	6.1	30.6	67.3	85.7	91.8
145°	6.1	30.6	61.2	79.6	85.7
147.5°	6.1	30.6	55.1	73.4	79.6
150°	6.1	24.5	49.0	67.3	73.4
152.5°	6.1	24.5	42.8	61.2	67.3
155°	6.1	18.4	36.7	55.1	61.2
157.5°	6.1	18.4	36.7	49.0	55.1
160°	12.2	18.4	30.6	42.8	49.0
162.5°	6.1	12.2	30.6	36.7	42.8
165°	12.2	12.2	24.5	30.6	36.7
167.5°	12.2	12.2	18.4	24.5	30.6
170°	12.2	12.2	18.4	18.4	24.5
172.5°	12.2	12.2	12.2	18.4	12.2
175°	12.2	12.2	12.2	12.2	6.1
177.5°	12.2	12.2	12.2	12.2	6.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	12.2	12.2	12.2	12.2	12.2

(END OF REPORT)