

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: P567304

Luminaire Tested: **8SNX-126SL-FDL-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567304
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-15)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-126SL-FDL-UNV-L940-CD
Description: 8FT 12600 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

Summary

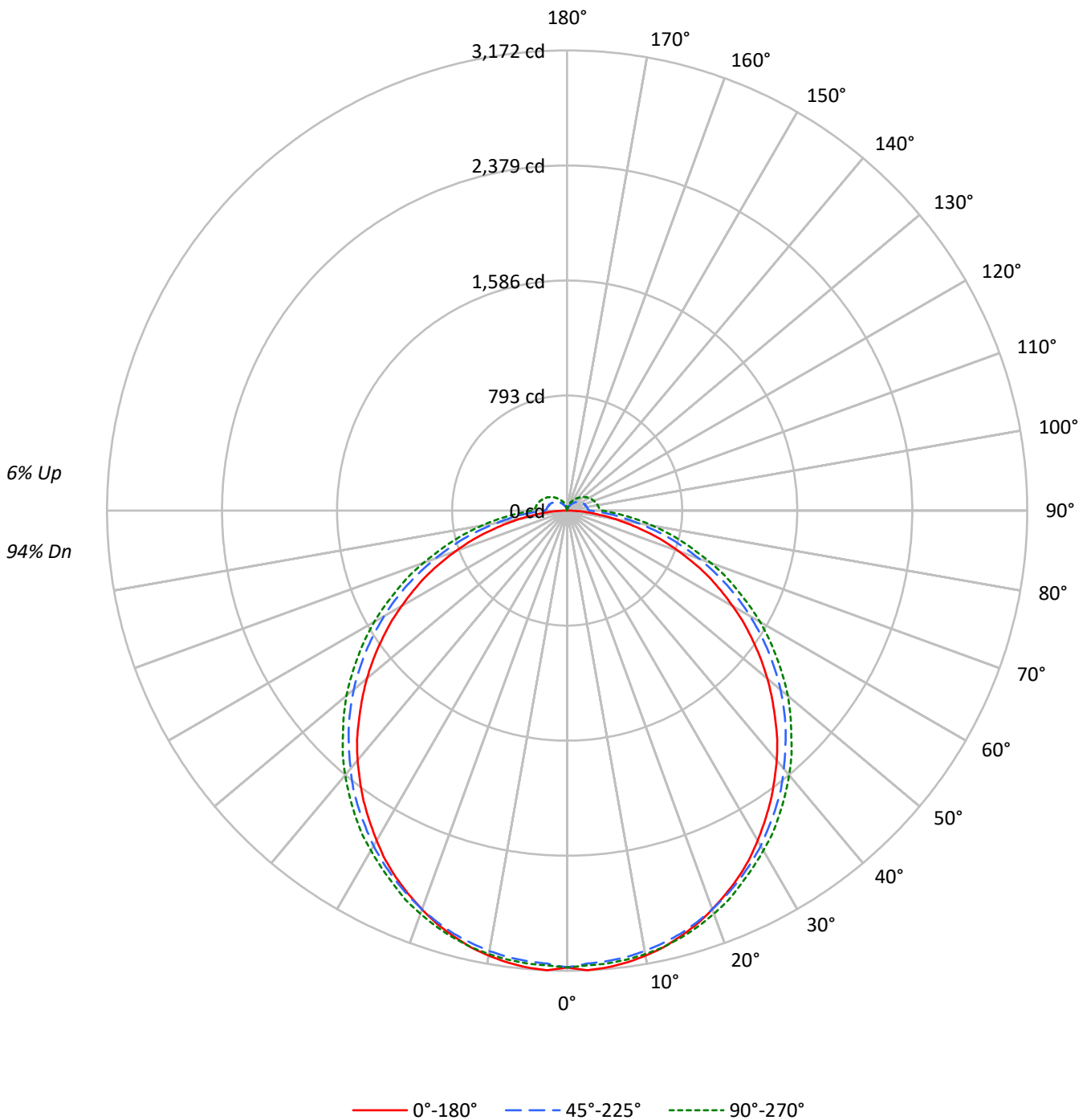
Lumens per Lamp: N/A
Luminaire Lumens: 10007.0 lumens
Efficiency: N/A
Efficacy: 112.7 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.04')
CIE Type: Direct

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: P567304

CATALOG NUMBER: 8SNX-126SL-FDL-UNV-L940-CD

Luminous Intensity Polar Plot





TEST NUMBER: P567304

CATALOG NUMBER: 8SNX-126SL-FDL-UNV-L940-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	0
RCR																		
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	107	102	97	93	103	99	95	91	93	90	87	88	86	83	84	82	80	77
2	97	88	81	75	93	86	79	74	81	76	71	77	73	69	73	69	66	64
3	88	77	69	62	85	75	67	61	71	65	59	68	62	57	64	60	56	53
4	80	68	59	52	78	66	58	52	63	56	50	60	54	49	57	52	48	45
5	74	61	52	45	71	59	51	44	56	49	43	54	47	42	51	46	41	39
6	68	55	46	39	66	53	45	39	51	43	38	49	42	37	47	41	36	34
7	63	49	41	34	61	48	40	34	46	39	33	44	38	33	43	37	32	30
8	59	45	36	31	57	44	36	30	42	35	30	41	34	29	39	33	29	27
9	55	41	33	27	53	40	33	27	39	32	27	37	31	26	36	30	26	24
10	51	38	30	25	50	37	30	25	36	29	24	35	28	24	33	28	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	16948	16948	16948
5°	17072	16673	16692
10°	17009	16497	16483
15°	16890	16295	16247
20°	16725	16047	15970
25°	16534	15775	15643
30°	16272	15498	15340
35°	16009	15172	15024
40°	15718	14812	14669
45°	15350	14456	14255
50°	14996	14049	13876
55°	14558	13545	13351
60°	14064	12968	12833
65°	13548	12281	12120
70°	12647	11414	11380
75°	11568	10394	10496
80°	9977	9038	9515
85°	8054	7878	8362



TEST NUMBER: P567304

CATALOG NUMBER: 8SNX-126SL-FDL-UNV-L940-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	298.6	3.0
10°-20°	857.0	8.6
20°-30°	1298.7	13.0
30°-40°	1567.8	15.7
40°-50°	1637.1	16.4
50°-60°	1504.0	15.0
60°-70°	1189.4	11.9
70°-80°	752.7	7.5
80°-90°	323.6	3.2
90°-100°	142.4	1.4
100°-110°	127.5	1.3
110°-120°	107.7	1.1
120°-130°	83.9	0.8
130°-140°	58.1	0.6
140°-150°	34.9	0.3
150°-160°	17.0	0.2
160°-170°	5.9	0.1
170°-180°	0.9	0.0
0°-30°	2454.3	24.5
0°-40°	4022.0	40.2
0°-60°	7163.2	71.6
0°-90°	9428.9	94.2
90°-120°	377.5	3.8
90°-150°	554.4	5.5
90°-180°	578.0	5.8
0°-180°	10007.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3149	3149	3149	3149	3149	
5°	3161	3153	3119	3146	3135	300
15°	3036	3036	3020	3052	3046	856
25°	2791	2804	2807	2844	2839	1285
35°	2446	2474	2506	2545	2554	1529
45°	2027	2077	2130	2171	2185	1566
55°	1563	1627	1694	1749	1762	1398
65°	1076	1136	1216	1272	1292	1059
75°	567	634	727	789	819	601
85°	138	213	305	370	393	153
90°	9	76	156	218	241	12
95°	2	66	142	198	220	1
105°	2	60	133	186	206	2
115°	2	51	120	168	186	2
125°	4	46	101	145	161	3
135°	4	35	82	115	129	3
145°	4	27	57	87	96	2
155°	4	18	37	55	66	2
165°	5	12	20	27	37	2
175°	5	7	9	9	5	1
180°	5	5	5	5	5	



TEST NUMBER: P567304

CATALOG NUMBER: 8SNX-126SL-FDL-UNV-L940-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3149.0	3149.0	3149.0	3149.0	3149.0
2.5°	3172.1	3161.4	3126.0	3150.8	3138.4
5°	3161.4	3152.6	3118.9	3145.5	3134.8
7.5°	3141.9	3134.8	3104.7	3133.1	3122.4
10°	3115.3	3110.0	3083.4	3111.8	3104.7
12.5°	3081.7	3079.9	3053.3	3085.2	3079.9
15°	3035.6	3035.6	3019.7	3051.5	3046.2
17.5°	2986.0	2987.8	2975.3	3009.0	3005.5
20°	2925.7	2934.6	2925.7	2961.2	2957.6
22.5°	2860.2	2872.6	2869.0	2904.5	2906.2
25°	2791.1	2803.5	2807.0	2844.2	2838.9
27.5°	2714.9	2734.3	2741.4	2775.1	2773.3
30°	2626.2	2652.8	2668.8	2697.1	2706.0
32.5°	2535.9	2567.8	2587.3	2626.2	2636.9
35°	2445.5	2473.8	2505.7	2544.7	2553.6
37.5°	2346.3	2378.2	2420.7	2457.9	2468.5
40°	2247.0	2282.5	2323.2	2364.0	2379.9
42.5°	2144.2	2181.5	2225.8	2273.6	2289.5
45°	2027.3	2076.9	2130.1	2170.8	2185.0
47.5°	1915.6	1970.6	2027.3	2071.6	2087.5
50°	1802.2	1860.7	1921.0	1961.7	1986.5
52.5°	1683.5	1747.3	1807.5	1858.9	1874.9
55°	1563.0	1626.8	1694.1	1749.1	1761.5
57.5°	1446.0	1508.1	1575.4	1626.8	1651.6
60°	1318.4	1385.8	1458.4	1509.8	1536.4
62.5°	1194.4	1260.0	1337.9	1392.9	1414.1
65°	1075.7	1135.9	1215.7	1272.4	1291.9
67.5°	944.5	1013.6	1089.8	1155.4	1180.2
70°	815.2	880.7	967.6	1029.6	1054.4
72.5°	694.7	758.5	845.3	907.3	930.4
75°	567.1	634.4	726.6	788.6	818.7
77.5°	444.8	519.2	607.8	675.2	708.8
80°	331.4	396.9	492.6	567.1	597.2
82.5°	225.1	295.9	395.2	464.3	498.0
85°	138.2	212.7	304.8	370.4	393.4
87.5°	65.6	136.5	221.5	285.3	313.7
90°	8.9	76.2	155.9	218.0	241.0
92.5°	1.8	65.6	143.5	202.0	223.3
95°	1.8	65.6	141.8	198.5	219.7
97.5°	1.8	63.8	140.0	196.7	216.2
100°	1.8	62.0	138.2	193.2	214.4
102.5°	1.8	62.0	134.7	189.6	209.1
105°	1.8	60.3	132.9	186.1	205.6
107.5°	1.8	58.5	129.4	182.5	202.0
110°	1.8	54.9	127.6	177.2	196.7



TEST NUMBER: P567304

CATALOG NUMBER: 8SNX-126SL-FDL-UNV-L940-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.8	53.2	124.0	173.7	191.4
115°	1.8	51.4	120.5	168.3	186.1
117.5°	1.8	49.6	115.2	163.0	180.8
120°	3.5	49.6	111.6	157.7	173.7
122.5°	3.5	47.8	106.3	150.6	166.6
125°	3.5	46.1	101.0	145.3	161.3
127.5°	3.5	44.3	95.7	138.2	152.4
130°	3.5	40.8	92.1	131.1	145.3
132.5°	3.5	39.0	86.8	122.3	136.5
135°	3.5	35.4	81.5	115.2	129.4
137.5°	3.5	33.7	76.2	108.1	120.5
140°	3.5	31.9	69.1	101.0	113.4
142.5°	3.5	28.4	63.8	93.9	104.6
145°	3.5	26.6	56.7	86.8	95.7
147.5°	3.5	23.0	51.4	79.7	88.6
150°	3.5	21.3	46.1	72.7	81.5
152.5°	3.5	19.5	40.8	63.8	72.7
155°	3.5	17.7	37.2	54.9	65.6
157.5°	3.5	15.9	31.9	47.8	58.5
160°	5.3	14.2	28.4	40.8	49.6
162.5°	5.3	12.4	23.0	33.7	44.3
165°	5.3	12.4	19.5	26.6	37.2
167.5°	5.3	10.6	15.9	21.3	30.1
170°	5.3	8.9	14.2	15.9	23.0
172.5°	5.3	7.1	10.6	10.6	12.4
175°	5.3	7.1	8.9	8.9	5.3
177.5°	5.3	5.3	5.3	5.3	3.5
180°	5.3	5.3	5.3	5.3	5.3

(END OF REPORT)