

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: P567337

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567337
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-126SL-SLW-UNV-L950-CD
Description: 8FT 12600 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

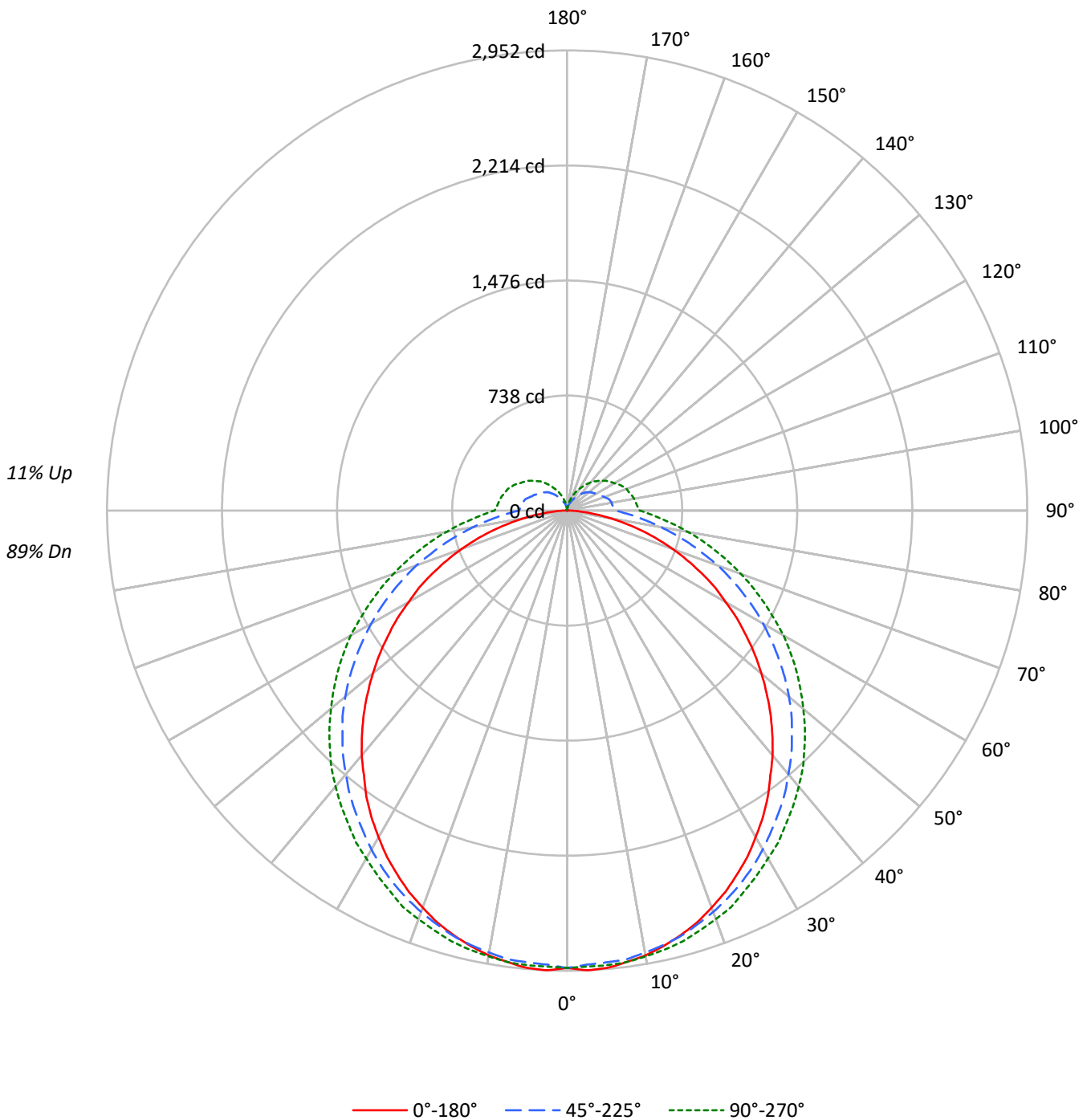
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10443.9 lumens
Efficiency: N/A
Efficacy: 117.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.08')
CIE Type: Semi-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	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89				
1	105	100	95	90	101	96	92	88	90	86	83	84	81	79	79	76	74	71				
2	95	86	79	73	91	83	77	71	78	72	68	73	68	64	68	65	61	58				
3	86	75	67	60	83	73	65	59	68	61	56	64	58	54	60	55	51	49				
4	79	66	57	50	75	64	56	49	60	53	47	57	50	46	53	48	44	41				
5	72	59	50	43	69	57	49	42	54	46	41	51	44	39	48	42	38	35				
6	67	53	44	37	64	51	43	37	48	41	35	46	39	34	43	38	33	31				
7	62	48	39	33	59	47	38	32	44	37	31	42	35	30	39	34	29	27				
8	57	44	35	29	55	42	34	29	40	33	28	38	32	27	36	30	26	24				
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	28	24	22				
10	50	37	29	24	48	36	28	23	34	27	23	32	26	22	31	25	21	20				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	15789	15789	15789
5°	15900	15393	15370
10°	15806	15091	14990
15°	15662	14781	14640
20°	15462	14423	14249
25°	15229	14073	13842
30°	14947	13687	13438
35°	14638	13287	13060
40°	14282	12893	12697
45°	13898	12491	12305
50°	13458	12067	11866
55°	12976	11556	11435
60°	12408	11009	10955
65°	11831	10395	10349
70°	11013	9717	9757
75°	9929	8855	9100
80°	8146	7979	8455
85°	6012	7239	7790



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	278.7	2.7
10°-20°	800.9	7.7
20°-30°	1217.9	11.7
30°-40°	1478.4	14.2
40°-50°	1562.2	15.0
50°-60°	1461.8	14.0
60°-70°	1199.4	11.5
70°-80°	825.0	7.9
80°-90°	451.8	4.3
90°-100°	290.9	2.8
100°-110°	261.1	2.5
110°-120°	216.1	2.1
120°-130°	166.4	1.6
130°-140°	116.9	1.1
140°-150°	70.4	0.7
150°-160°	33.7	0.3
160°-170°	11.1	0.1
170°-180°	1.3	0.0
0°-30°	2297.5	22.0
0°-40°	3775.8	36.2
0°-60°	6799.8	65.1
0°-90°	9276.0	88.8
90°-120°	768.1	7.4
90°-150°	1121.8	10.7
90°-180°	1168.0	11.2
0°-180°	10443.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2934	2934	2934	2934	2934	
5°	2946	2940	2910	2934	2928	279
15°	2819	2831	2825	2861	2861	795
25°	2577	2607	2637	2692	2692	1187
35°	2244	2299	2365	2432	2450	1402
45°	1845	1930	2038	2129	2153	1422
55°	1403	1518	1657	1760	1796	1256
65°	950	1077	1240	1355	1391	941
75°	496	629	811	938	980	522
85°	109	260	442	563	605	126
90°	0	145	308	423	466	7
95°	0	139	296	405	448	0
105°	0	115	278	381	417	4
115°	6	103	236	339	381	6
125°	6	85	200	290	327	5
135°	6	66	163	236	266	5
145°	6	48	115	182	200	4
155°	6	30	73	115	133	3
165°	6	18	36	54	66	2
175°	6	6	12	12	6	1
180°	6	6	6	6	6	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2933.7	2933.7	2933.7	2933.7	2933.7
2.5°	2951.9	2945.8	2915.6	2939.8	2927.7
5°	2945.8	2939.8	2909.5	2933.7	2927.7
7.5°	2921.6	2921.6	2903.5	2927.7	2921.6
10°	2897.5	2897.5	2879.3	2909.5	2903.5
12.5°	2861.2	2867.2	2855.1	2891.4	2885.4
15°	2818.8	2830.9	2824.9	2861.2	2861.2
17.5°	2770.4	2782.5	2782.5	2824.9	2824.9
20°	2709.9	2728.1	2740.2	2788.6	2788.6
22.5°	2649.4	2673.6	2691.8	2734.1	2752.3
25°	2576.9	2607.1	2637.3	2691.8	2691.8
27.5°	2504.3	2540.6	2576.9	2631.3	2637.3
30°	2419.6	2461.9	2510.3	2564.8	2576.9
32.5°	2334.9	2389.3	2437.7	2504.3	2522.4
35°	2244.2	2298.6	2365.1	2431.7	2449.8
37.5°	2141.3	2207.9	2292.6	2365.1	2383.3
40°	2050.6	2123.2	2207.9	2292.6	2310.7
42.5°	1947.8	2026.4	2129.2	2207.9	2238.1
45°	1844.9	1929.6	2038.5	2129.2	2153.4
47.5°	1736.1	1832.8	1953.8	2038.5	2068.7
50°	1627.2	1730.0	1857.0	1953.8	1978.0
52.5°	1518.3	1627.2	1760.2	1857.0	1887.3
55°	1403.4	1518.3	1657.4	1760.2	1796.5
57.5°	1294.5	1409.4	1554.6	1663.5	1699.8
60°	1173.5	1306.6	1451.7	1560.6	1603.0
62.5°	1070.7	1191.6	1348.9	1457.8	1494.1
65°	949.7	1076.7	1240.0	1355.0	1391.3
67.5°	834.8	967.8	1131.2	1252.1	1288.4
70°	719.8	852.9	1028.3	1143.3	1185.6
72.5°	604.9	744.0	913.4	1040.4	1082.8
75°	496.0	629.1	810.6	937.6	979.9
77.5°	381.1	526.3	707.7	834.8	883.1
80°	278.3	429.5	610.9	738.0	786.4
82.5°	187.5	338.7	520.2	647.2	695.6
85°	108.9	260.1	441.6	562.6	604.9
87.5°	54.4	199.6	369.0	490.0	532.3
90°	0.0	145.2	308.5	423.4	465.8
92.5°	0.0	139.1	302.4	411.3	453.7
95°	0.0	139.1	296.4	405.3	447.6
97.5°	0.0	133.1	290.3	405.3	441.6
100°	0.0	127.0	290.3	399.2	435.5
102.5°	0.0	121.0	284.3	393.2	429.5
105°	0.0	114.9	278.3	381.1	417.4
107.5°	6.0	114.9	266.2	375.0	411.3
110°	6.0	108.9	254.1	369.0	405.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	6.0	102.8	242.0	356.9	393.2
115°	6.0	102.8	235.9	338.7	381.1
117.5°	6.0	96.8	223.8	326.6	369.0
120°	6.0	96.8	217.8	314.5	350.8
122.5°	6.0	90.7	205.7	302.4	338.7
125°	6.0	84.7	199.6	290.3	326.6
127.5°	6.0	78.6	193.6	278.3	314.5
130°	6.0	72.6	181.5	266.2	296.4
132.5°	6.0	72.6	175.4	248.0	284.3
135°	6.0	66.5	163.3	235.9	266.2
137.5°	6.0	60.5	151.2	223.8	254.1
140°	6.0	54.4	139.1	211.7	235.9
142.5°	6.0	54.4	127.0	193.6	217.8
145°	6.0	48.4	114.9	181.5	199.6
147.5°	6.0	42.3	102.8	163.3	181.5
150°	6.0	42.3	90.7	145.2	163.3
152.5°	6.0	36.3	78.6	133.1	151.2
155°	6.0	30.2	72.6	114.9	133.1
157.5°	6.0	30.2	60.5	96.8	114.9
160°	6.0	24.2	54.4	78.6	96.8
162.5°	6.0	24.2	48.4	66.5	84.7
165°	6.0	18.1	36.3	54.4	66.5
167.5°	6.0	18.1	30.2	42.3	54.4
170°	6.0	12.1	24.2	30.2	42.3
172.5°	6.0	12.1	18.1	18.1	18.1
175°	6.0	6.0	12.1	12.1	6.0
177.5°	6.0	6.0	6.0	6.0	6.0
180°	6.0	6.0	6.0	6.0	6.0

(END OF REPORT)