

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: P567327

Luminaire Tested: **8SNX-126SL-LW-UNV-L935-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567327  
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-LW-UNV-L935-CD  
Description: 8FT 12600 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

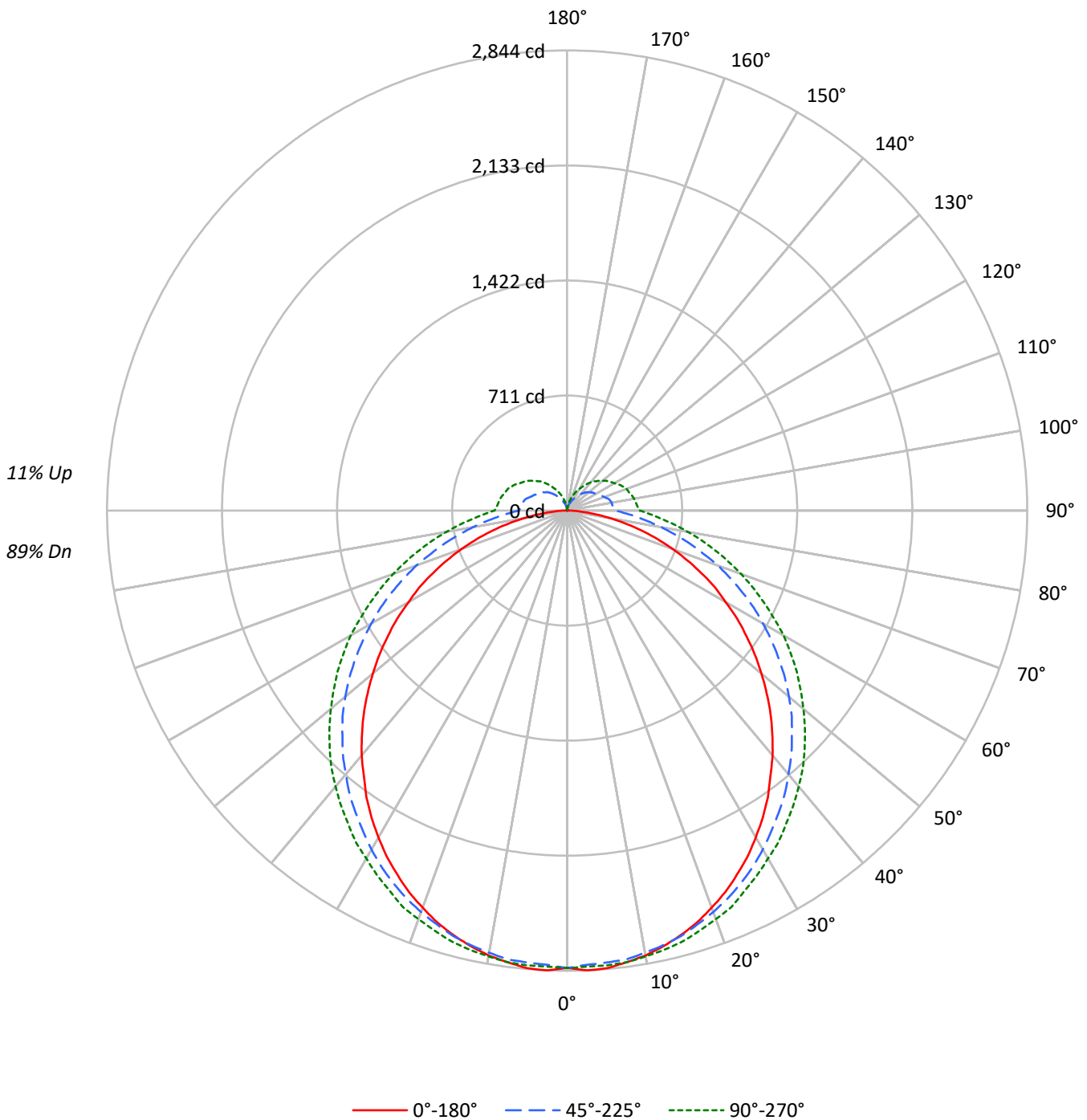
Lumens per Lamp: N/A  
Luminaire Lumens: 10064.0 lumens  
Efficiency: N/A  
Efficacy: 113.3 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')  
CIE Type: Semi-Direct

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	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	76	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°	15215	15215	15215
5°	15308	14529	14402
10°	15202	13965	13682
15°	15051	13419	13034
20°	14843	12849	12385
25°	14604	12303	11750
30°	14317	11738	11143
35°	14004	11171	10574
40°	13644	10616	10032
45°	13255	10060	9476
50°	12811	9487	8893
55°	12322	8845	8321
60°	11748	8174	7717
65°	11155	7450	7026
70°	10323	6676	6349
75°	9223	5771	5629
80°	7431	4856	4913
85°	5232	4007	4176



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	268.5	2.7
10°-20°	771.8	7.7
20°-30°	1173.5	11.7
30°-40°	1424.6	14.2
40°-50°	1505.3	15.0
50°-60°	1408.6	14.0
60°-70°	1155.8	11.5
70°-80°	795.0	7.9
80°-90°	435.4	4.3
90°-100°	280.3	2.8
100°-110°	251.6	2.5
110°-120°	208.2	2.1
120°-130°	160.3	1.6
130°-140°	112.7	1.1
140°-150°	67.9	0.7
150°-160°	32.5	0.3
160°-170°	10.7	0.1
170°-180°	1.3	0.0
0°-30°	2213.9	22.0
0°-40°	3638.4	36.2
0°-60°	6552.4	65.1
0°-90°	8938.5	88.8
90°-120°	740.1	7.4
90°-150°	1081.0	10.7
90°-180°	1125.0	11.2
0°-180°	10064.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2827	2827	2827	2827	2827	
5°	2839	2833	2804	2827	2821	269
15°	2716	2728	2722	2757	2757	766
25°	2483	2512	2541	2594	2594	1144
35°	2162	2215	2279	2343	2361	1351
45°	1778	1859	1964	2052	2075	1370
55°	1352	1463	1597	1696	1731	1210
65°	915	1038	1195	1306	1341	906
75°	478	606	781	904	944	503
85°	105	251	426	542	583	121
90°	0	140	297	408	449	7
95°	0	134	286	390	431	0
105°	0	111	268	367	402	4
115°	6	99	227	326	367	6
125°	6	82	192	280	315	5
135°	6	64	157	227	256	4
145°	6	47	111	175	192	4
155°	6	29	70	111	128	3
165°	6	18	35	52	64	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°	2827.0	2827.0	2827.0	2827.0	2827.0
2.5°	2844.5	2838.7	2809.5	2832.8	2821.2
5°	2838.7	2832.8	2803.7	2827.0	2821.2
7.5°	2815.3	2815.3	2797.9	2821.2	2815.3
10°	2792.0	2792.0	2774.5	2803.7	2797.9
12.5°	2757.1	2762.9	2751.2	2786.2	2780.4
15°	2716.3	2727.9	2722.1	2757.1	2757.1
17.5°	2669.6	2681.3	2681.3	2722.1	2722.1
20°	2611.3	2628.8	2640.5	2687.1	2687.1
22.5°	2553.0	2576.4	2593.8	2634.6	2652.1
25°	2483.1	2512.2	2541.4	2593.8	2593.8
27.5°	2413.2	2448.1	2483.1	2535.6	2541.4
30°	2331.5	2372.3	2419.0	2471.4	2483.1
32.5°	2249.9	2302.4	2349.0	2413.2	2430.6
35°	2162.5	2215.0	2279.1	2343.2	2360.7
37.5°	2063.4	2127.5	2209.1	2279.1	2296.6
40°	1976.0	2045.9	2127.5	2209.1	2226.6
42.5°	1876.9	1952.7	2051.8	2127.5	2156.7
45°	1777.8	1859.4	1964.3	2051.8	2075.1
47.5°	1672.9	1766.1	1882.7	1964.3	1993.5
50°	1568.0	1667.1	1789.5	1882.7	1906.0
52.5°	1463.0	1568.0	1696.2	1789.5	1818.6
55°	1352.3	1463.0	1597.1	1696.2	1731.2
57.5°	1247.4	1358.1	1498.0	1602.9	1637.9
60°	1130.8	1259.0	1398.9	1503.8	1544.7
62.5°	1031.7	1148.3	1299.8	1404.8	1439.7
65°	915.1	1037.5	1194.9	1305.7	1340.6
67.5°	804.4	932.6	1090.0	1206.6	1241.5
70°	693.6	821.9	990.9	1101.7	1142.5
72.5°	582.9	717.0	880.2	1002.6	1043.4
75°	478.0	606.2	781.1	903.5	944.3
77.5°	367.2	507.1	682.0	804.4	851.0
80°	268.1	413.8	588.7	711.1	757.8
82.5°	180.7	326.4	501.3	623.7	670.3
85°	104.9	250.6	425.5	542.1	582.9
87.5°	52.5	192.4	355.6	472.1	512.9
90°	0.0	139.9	297.3	408.0	448.8
92.5°	0.0	134.1	291.4	396.4	437.2
95°	0.0	134.1	285.6	390.5	431.3
97.5°	0.0	128.2	279.8	390.5	425.5
100°	0.0	122.4	279.8	384.7	419.7
102.5°	0.0	116.6	274.0	378.9	413.8
105°	0.0	110.7	268.1	367.2	402.2
107.5°	5.8	110.7	256.5	361.4	396.4
110°	5.8	104.9	244.8	355.6	390.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	5.8	99.1	233.2	343.9	378.9
115°	5.8	99.1	227.3	326.4	367.2
117.5°	5.8	93.3	215.7	314.8	355.6
120°	5.8	93.3	209.8	303.1	338.1
122.5°	5.8	87.4	198.2	291.4	326.4
125°	5.8	81.6	192.4	279.8	314.8
127.5°	5.8	75.8	186.5	268.1	303.1
130°	5.8	69.9	174.9	256.5	285.6
132.5°	5.8	69.9	169.0	239.0	274.0
135°	5.8	64.1	157.4	227.3	256.5
137.5°	5.8	58.3	145.7	215.7	244.8
140°	5.8	52.5	134.1	204.0	227.3
142.5°	5.8	52.5	122.4	186.5	209.8
145°	5.8	46.6	110.7	174.9	192.4
147.5°	5.8	40.8	99.1	157.4	174.9
150°	5.8	40.8	87.4	139.9	157.4
152.5°	5.8	35.0	75.8	128.2	145.7
155°	5.8	29.1	69.9	110.7	128.2
157.5°	5.8	29.1	58.3	93.3	110.7
160°	5.8	23.3	52.5	75.8	93.3
162.5°	5.8	23.3	46.6	64.1	81.6
165°	5.8	17.5	35.0	52.5	64.1
167.5°	5.8	17.5	29.1	40.8	52.5
170°	5.8	11.7	23.3	29.1	40.8
172.5°	5.8	11.7	17.5	17.5	17.5
175°	5.8	5.8	11.7	11.7	5.8
177.5°	5.8	5.8	5.8	5.8	5.8
180°	5.8	5.8	5.8	5.8	5.8

(END OF REPORT)