

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: P567316

Luminaire Tested: **8SNX-126SL-LN-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567316
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-L840-CD
Description: 8FT 12600 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

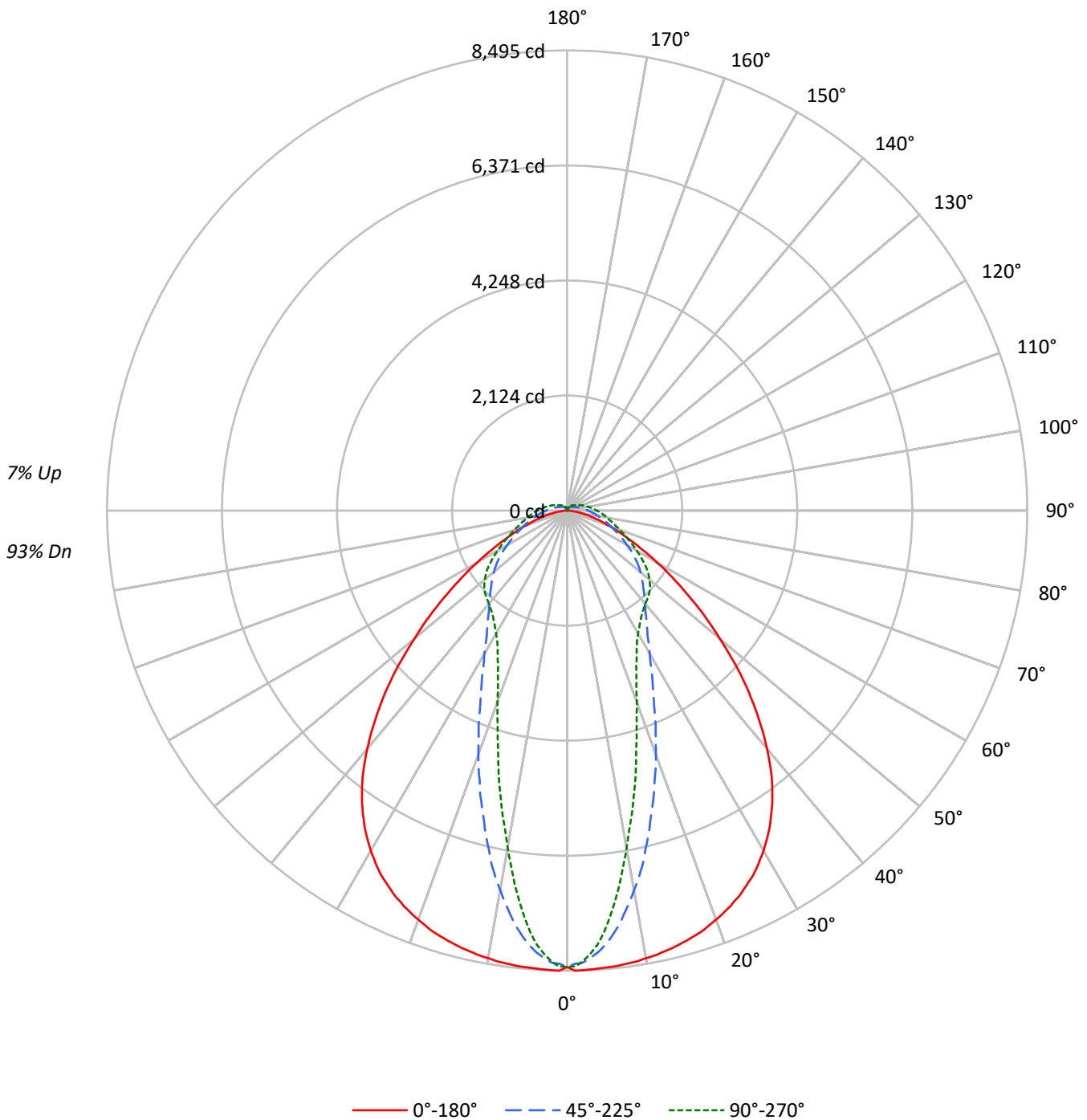
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13430.0 lumens
Efficiency: N/A
Efficacy: 151.2 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°	45343	45343	45343
5°	45661	41726	39882
10°	45682	35818	30943
15°	45746	29250	23191
20°	45689	23325	17356
25°	45369	18297	13774
30°	44518	14823	11749
35°	42753	12558	10687
40°	39658	11099	10116
45°	35370	10165	9803
50°	30075	9366	9261
55°	24820	8498	8458
60°	19963	7486	7419
65°	15616	6583	6456
70°	12257	5832	5710
75°	9641	5253	5203
80°	7024	4819	4837
85°	4214	4507	4638



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	746.1	5.6
10°-20°	1748.8	13.0
20°-30°	2075.9	15.5
30°-40°	2088.6	15.6
40°-50°	1941.4	14.5
50°-60°	1598.6	11.9
60°-70°	1126.5	8.4
70°-80°	735.9	5.5
80°-90°	469.9	3.5
90°-100°	308.2	2.3
100°-110°	209.2	1.6
110°-120°	143.4	1.1
120°-130°	99.2	0.7
130°-140°	66.7	0.5
140°-150°	41.1	0.3
150°-160°	21.3	0.2
160°-170°	7.7	0.1
170°-180°	1.3	0.0
0°-30°	4570.8	34.0
0°-40°	6659.4	49.6
0°-60°	10199.5	75.9
0°-90°	12531.8	93.3
90°-120°	660.7	4.9
90°-150°	867.8	6.5
90°-180°	898.0	6.7
0°-180°	13430.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8425	8425	8425	8425	8425	
5°	8467	8355	8052	7897	7813	806
15°	8256	7376	5933	5187	4906	2332
25°	7714	5701	3780	3174	3041	3550
35°	6602	3857	2562	2400	2386	4106
45°	4744	2541	1985	2090	2147	3642
55°	2724	1668	1534	1703	1760	2460
65°	1281	1006	1056	1190	1232	1300
75°	500	521	711	838	873	540
85°	84	239	479	619	648	106
90°	0	162	387	528	549	5
95°	0	120	324	443	464	0
105°	0	84	218	310	338	0
115°	7	70	155	225	239	6
125°	7	56	127	162	176	6
135°	7	49	98	127	134	5
145°	7	35	70	98	106	4
155°	7	28	49	70	77	3
165°	7	14	28	35	42	2
175°	14	14	14	14	7	1
180°	7	7	7	7	7	



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CATALOG NUMBER: 8SNX-126SL-LN-UNV-L840-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8425.0	8425.0	8425.0	8425.0	8425.0
1°	8495.4	8460.2	8368.7	8432.1	8418.0
2°	8488.4	8453.2	8347.6	8375.8	8326.5
3°	8481.3	8432.1	8270.2	8263.2	8192.8
4°	8474.3	8396.9	8171.7	8087.2	8030.9
5°	8467.3	8354.7	8052.0	7897.2	7812.7
6°	8460.2	8305.4	7897.2	7664.9	7545.2
7°	8446.2	8228.0	7735.3	7418.5	7263.7
8°	8432.1	8157.6	7531.2	7151.1	6961.0
9°	8418.0	8066.1	7327.0	6862.5	6637.3
10°	8389.8	7974.6	7115.9	6566.9	6327.6
11°	8375.8	7869.0	6911.8	6285.3	6003.8
12°	8347.6	7756.4	6693.6	5989.7	5743.4
13°	8319.5	7636.7	6426.1	5736.3	5440.7
14°	8291.3	7510.0	6193.8	5454.8	5180.3
15°	8256.1	7376.3	5933.4	5187.3	4905.8
16°	8220.9	7221.5	5701.2	4912.8	4617.2
17°	8185.7	7073.7	5483.0	4659.5	4392.0
18°	8143.5	6925.8	5229.6	4413.1	4152.7
19°	8087.2	6756.9	5025.5	4187.9	3948.6
20°	8037.9	6602.1	4793.2	3976.7	3765.6
21°	7981.6	6412.0	4560.9	3779.7	3568.5
22.5°	7897.2	6144.6	4265.3	3533.3	3336.2
23°	7854.9	6067.2	4145.7	3441.8	3272.9
24°	7798.6	5863.0	3948.6	3301.0	3132.1
25°	7714.2	5701.2	3779.7	3174.3	3040.6
26°	7636.7	5504.1	3610.7	3061.7	2928.0
27°	7559.3	5314.0	3462.9	2942.1	2829.5
28°	7460.8	5117.0	3301.0	2843.5	2745.0
29°	7355.2	4934.0	3167.3	2759.1	2681.7
30°	7249.6	4729.8	3054.7	2681.7	2618.3
32.5°	6954.0	4279.4	2766.1	2533.8	2491.6
35°	6602.1	3857.1	2562.0	2400.1	2386.0
37.5°	6207.9	3470.0	2379.0	2294.5	2308.6
40°	5743.4	3118.0	2224.2	2217.1	2245.3
42.5°	5250.7	2815.4	2104.5	2153.8	2196.0
45°	4743.9	2540.9	1984.8	2090.4	2146.7
47.5°	4216.0	2301.6	1879.3	2013.0	2076.3
50°	3681.1	2069.3	1766.7	1921.5	1984.8
52.5°	3202.5	1865.2	1654.0	1815.9	1886.3
55°	2723.9	1668.1	1534.4	1703.3	1759.6
57.5°	2308.6	1485.1	1407.7	1576.6	1618.8
60°	1921.5	1309.2	1281.0	1435.8	1485.1
62.5°	1569.6	1154.3	1161.3	1309.2	1358.4
65°	1281.0	1006.5	1055.8	1189.5	1231.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	1041.7	865.7	950.2	1091.0	1126.2
70°	823.5	739.0	865.7	992.4	1027.6
72.5°	654.6	626.4	781.3	915.0	943.2
75°	499.7	520.8	710.9	837.6	872.8
77.5°	359.0	436.4	640.5	774.2	802.4
80°	253.4	359.0	584.2	717.9	746.1
82.5°	161.9	295.6	527.9	668.7	696.8
85°	84.5	239.3	478.6	619.4	647.5
87.5°	35.2	197.1	429.3	570.1	598.3
90°	0.0	161.9	387.1	527.9	549.0
92.5°	0.0	140.8	351.9	485.7	506.8
95°	0.0	119.7	323.8	443.4	464.5
97.5°	0.0	112.6	288.6	408.2	429.3
100°	0.0	98.5	260.4	373.0	401.2
102.5°	0.0	91.5	239.3	337.8	366.0
105°	0.0	84.5	218.2	309.7	337.8
107.5°	0.0	77.4	204.1	288.6	309.7
110°	0.0	77.4	183.0	267.5	288.6
112.5°	7.0	70.4	168.9	239.3	260.4
115°	7.0	70.4	154.8	225.2	239.3
117.5°	7.0	70.4	147.8	204.1	218.2
120°	7.0	63.3	140.8	190.0	204.1
122.5°	7.0	63.3	133.7	176.0	183.0
125°	7.0	56.3	126.7	161.9	176.0
127.5°	7.0	56.3	119.7	154.8	161.9
130°	7.0	56.3	112.6	140.8	154.8
132.5°	7.0	49.3	105.6	133.7	140.8
135°	7.0	49.3	98.5	126.7	133.7
137.5°	7.0	42.2	91.5	119.7	126.7
140°	7.0	42.2	84.5	112.6	119.7
142.5°	7.0	35.2	77.4	105.6	112.6
145°	7.0	35.2	70.4	98.5	105.6
147.5°	7.0	35.2	63.3	91.5	98.5
150°	7.0	28.2	56.3	84.5	91.5
152.5°	7.0	28.2	49.3	77.4	84.5
155°	7.0	28.2	49.3	70.4	77.4
157.5°	7.0	21.1	42.2	56.3	70.4
160°	7.0	21.1	35.2	49.3	63.3
162.5°	7.0	21.1	35.2	42.2	49.3
165°	7.0	14.1	28.2	35.2	42.2
167.5°	7.0	14.1	21.1	28.2	35.2
170°	7.0	14.1	21.1	21.1	28.2
172.5°	7.0	14.1	14.1	14.1	14.1
175°	14.1	14.1	14.1	14.1	7.0
177.5°	14.1	14.1	14.1	7.0	7.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	7.0	7.0	7.0	7.0	7.0

(END OF REPORT)