

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: P567308

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567308
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-L840-CD
Description: 8FT 12600 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

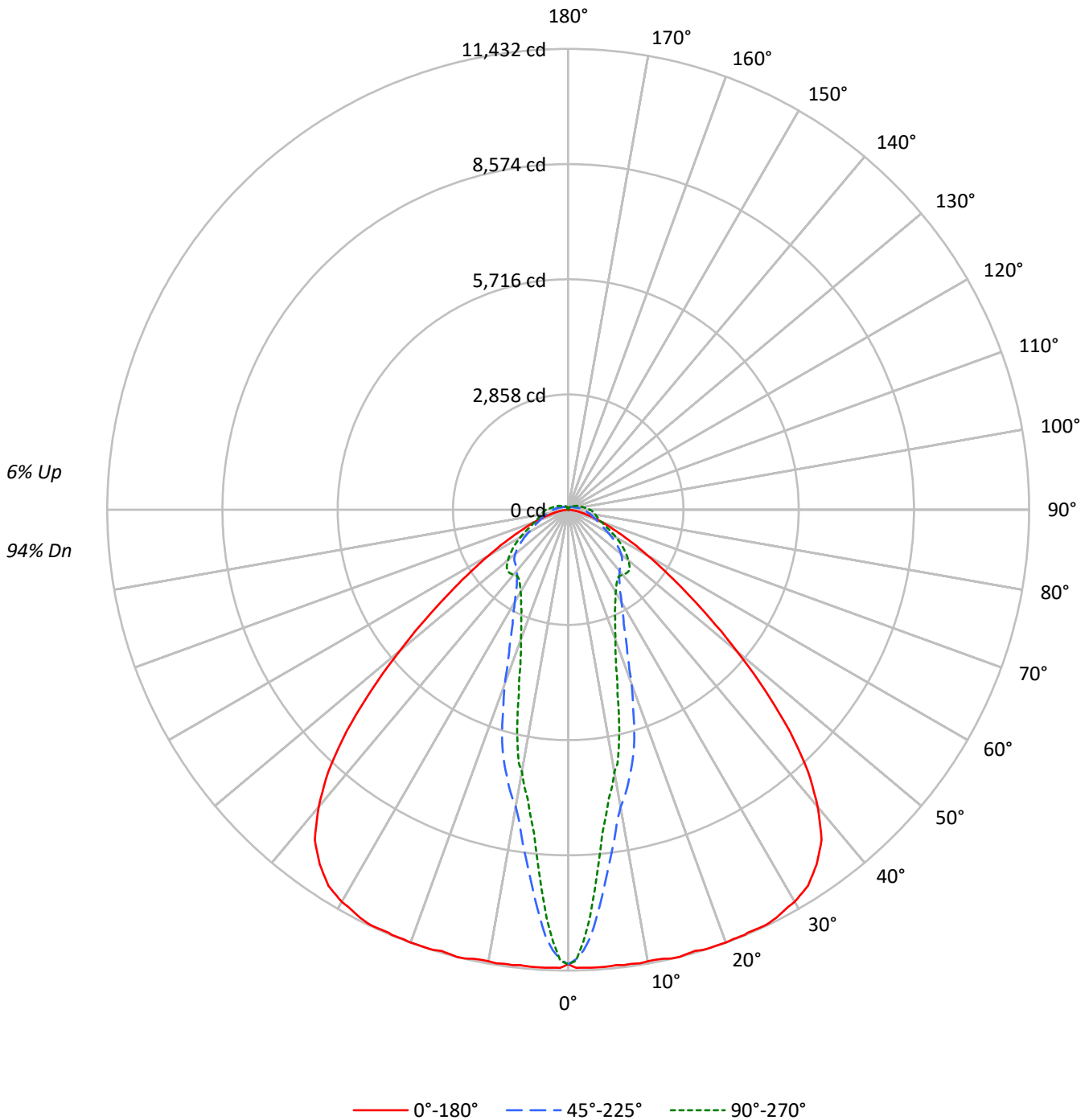
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13899.0 lumens
Efficiency: N/A
Efficacy: 156.5 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°	60684	60684	60684
5°	61343	49905	44615
10°	61938	37718	32289
15°	63187	30865	22358
20°	64943	22357	15791
25°	67110	16034	12423
30°	68977	12823	10580
35°	69557	10858	9476
40°	66496	9881	9499
45°	57888	9558	9759
50°	44576	9100	9106
55°	32452	7968	8080
60°	23680	6660	6832
65°	17366	5640	5600
70°	12934	4991	4829
75°	9346	4631	4501
80°	6317	4348	4433
85°	3197	4159	4439



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	886.7	6.4
10°-20°	1925.6	13.9
20°-30°	2204.1	15.9
30°-40°	2208.1	15.9
40°-50°	2090.2	15.0
50°-60°	1603.0	11.5
60°-70°	1033.3	7.4
70°-80°	658.9	4.7
80°-90°	437.5	3.1
90°-100°	294.1	2.1
100°-110°	193.8	1.4
110°-120°	134.8	1.0
120°-130°	94.0	0.7
130°-140°	65.3	0.5
140°-150°	40.0	0.3
150°-160°	20.3	0.1
160°-170°	7.8	0.1
170°-180°	1.5	0.0
0°-30°	5016.4	36.1
0°-40°	7224.5	52.0
0°-60°	10917.7	78.6
0°-90°	13047.4	93.9
90°-120°	622.7	4.5
90°-150°	822.0	5.9
90°-180°	852.0	6.1
0°-180°	13899.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11276	11276	11276	11276	11276	
5°	11375	10748	9630	8982	8740	###
15°	11404	8213	6261	5143	4730	3235
25°	11411	5812	3312	2878	2742	5260
35°	10741	3234	2215	2144	2116	6664
45°	7764	2044	1866	2066	2137	5903
55°	3561	1460	1439	1617	1681	3275
65°	1425	919	905	1033	1068	1465
75°	484	499	627	719	755	533
85°	64	228	442	577	620	88
90°	0	157	370	513	534	3
95°	0	114	306	420	442	0
105°	0	86	199	285	306	5
115°	7	71	150	207	221	7
125°	7	64	128	150	157	6
135°	7	50	100	121	128	5
145°	7	36	71	93	100	4
155°	7	21	43	64	71	4
165°	14	14	28	36	43	3
175°	14	14	14	14	7	1
180°	14	14	14	14	14	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11275.5	11275.5	11275.5	11275.5	11275.5
1°	11368.1	11304.0	11154.5	11197.2	11190.1
2°	11368.1	11232.8	10940.8	10855.3	10727.1
3°	11375.3	11111.7	10613.1	10335.3	10157.2
4°	11375.3	10933.6	10128.8	9665.8	9437.8
5°	11375.3	10748.4	9630.2	8982.0	8739.8
6°	11361.0	10527.6	9124.4	8440.6	8077.4
7°	11382.4	10285.5	8668.6	7934.9	7650.0
8°	11375.3	10000.5	8248.3	7550.3	7236.9
9°	11396.6	9722.8	7792.4	7187.0	6951.9
10°	11375.3	9466.3	7493.3	6845.1	6602.9
11°	11375.3	9217.0	7279.6	6624.3	6417.7
12°	11389.5	8932.1	7044.5	6310.9	6026.0
13°	11425.1	8640.1	6773.9	5969.0	5634.2
14°	11432.2	8419.3	6524.6	5534.5	5185.5
15°	11403.8	8212.7	6261.0	5142.7	4729.6
16°	11389.5	7999.0	5947.6	4772.3	4401.9
17°	11418.0	7749.7	5591.5	4394.8	4052.9
18°	11425.1	7521.8	5214.0	4109.9	3810.7
19°	11425.1	7343.7	4907.7	3846.4	3589.9
20°	11425.1	7172.8	4594.3	3646.9	3426.1
21°	11410.9	6959.1	4238.1	3440.4	3255.2
22.5°	11418.0	6560.2	3832.1	3198.2	3048.6
23°	11396.6	6460.5	3732.4	3134.1	2977.4
24°	11403.8	6175.6	3518.7	3005.9	2856.3
25°	11410.9	5812.3	3312.1	2877.6	2742.3
26°	11396.6	5520.2	3141.2	2756.6	2664.0
27°	11361.0	5285.2	3020.1	2656.8	2571.4
28°	11311.2	4971.8	2891.9	2571.4	2493.0
29°	11261.3	4615.6	2763.7	2478.8	2421.8
30°	11232.8	4330.7	2642.6	2407.5	2357.7
32.5°	11061.9	3768.0	2393.3	2265.1	2222.3
35°	10741.3	3233.8	2215.2	2144.0	2115.5
37.5°	10321.1	2820.7	2079.9	2065.6	2072.8
40°	9630.2	2493.0	1980.2	2044.3	2108.4
42.5°	8803.9	2236.6	1908.9	2065.6	2136.9
45°	7764.0	2044.3	1866.2	2065.6	2136.9
47.5°	6610.0	1887.6	1816.3	1994.4	2065.6
50°	5456.1	1745.1	1716.6	1887.6	1951.7
52.5°	4437.6	1609.8	1588.4	1752.2	1816.3
55°	3561.4	1460.2	1438.8	1616.9	1681.0
57.5°	2856.3	1317.7	1296.4	1460.2	1524.3
60°	2279.3	1175.3	1139.7	1303.5	1367.6
62.5°	1816.3	1039.9	1018.6	1161.0	1218.0
65°	1424.6	918.9	904.6	1032.8	1068.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	1125.4	804.9	812.0	918.9	961.6
70°	869.0	698.0	740.8	840.5	869.0
72.5°	655.3	591.2	683.8	769.3	804.9
75°	484.4	498.6	626.8	719.4	755.0
77.5°	334.8	413.1	577.0	676.7	712.3
80°	227.9	334.8	527.1	641.1	683.8
82.5°	135.3	277.8	484.4	605.4	655.3
85°	64.1	227.9	441.6	577.0	619.7
87.5°	21.4	185.2	398.9	548.5	584.1
90°	0.0	156.7	370.4	512.8	534.2
92.5°	0.0	135.3	334.8	470.1	484.4
95°	0.0	114.0	306.3	420.3	441.6
97.5°	0.0	106.8	284.9	377.5	406.0
100°	0.0	99.7	256.4	341.9	370.4
102.5°	0.0	85.5	227.9	306.3	334.8
105°	0.0	85.5	199.4	284.9	306.3
107.5°	7.1	78.4	185.2	256.4	284.9
110°	7.1	78.4	163.8	242.2	263.5
112.5°	7.1	78.4	156.7	220.8	249.3
115°	7.1	71.2	149.6	206.6	220.8
117.5°	7.1	71.2	142.5	185.2	199.4
120°	7.1	64.1	135.3	170.9	178.1
122.5°	7.1	64.1	128.2	156.7	163.8
125°	7.1	64.1	128.2	149.6	156.7
127.5°	7.1	57.0	121.1	142.5	142.5
130°	7.1	57.0	114.0	135.3	135.3
132.5°	7.1	49.9	106.8	128.2	135.3
135°	7.1	49.9	99.7	121.1	128.2
137.5°	7.1	42.7	92.6	114.0	121.1
140°	7.1	42.7	85.5	106.8	114.0
142.5°	7.1	35.6	78.4	99.7	106.8
145°	7.1	35.6	71.2	92.6	99.7
147.5°	7.1	35.6	64.1	85.5	92.6
150°	7.1	28.5	57.0	78.4	85.5
152.5°	7.1	28.5	49.9	71.2	78.4
155°	7.1	21.4	42.7	64.1	71.2
157.5°	7.1	21.4	42.7	57.0	64.1
160°	14.2	21.4	35.6	49.9	57.0
162.5°	7.1	14.2	35.6	42.7	49.9
165°	14.2	14.2	28.5	35.6	42.7
167.5°	14.2	14.2	21.4	28.5	35.6
170°	14.2	14.2	21.4	21.4	28.5
172.5°	14.2	14.2	14.2	21.4	14.2
175°	14.2	14.2	14.2	14.2	7.1
177.5°	14.2	14.2	14.2	14.2	7.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	14.2	14.2	14.2	14.2	14.2

(END OF REPORT)