

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: P567309

Luminaire Tested: **8SNX-126SL-LC-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567309
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-L850-CD
Description: 8FT 12600 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

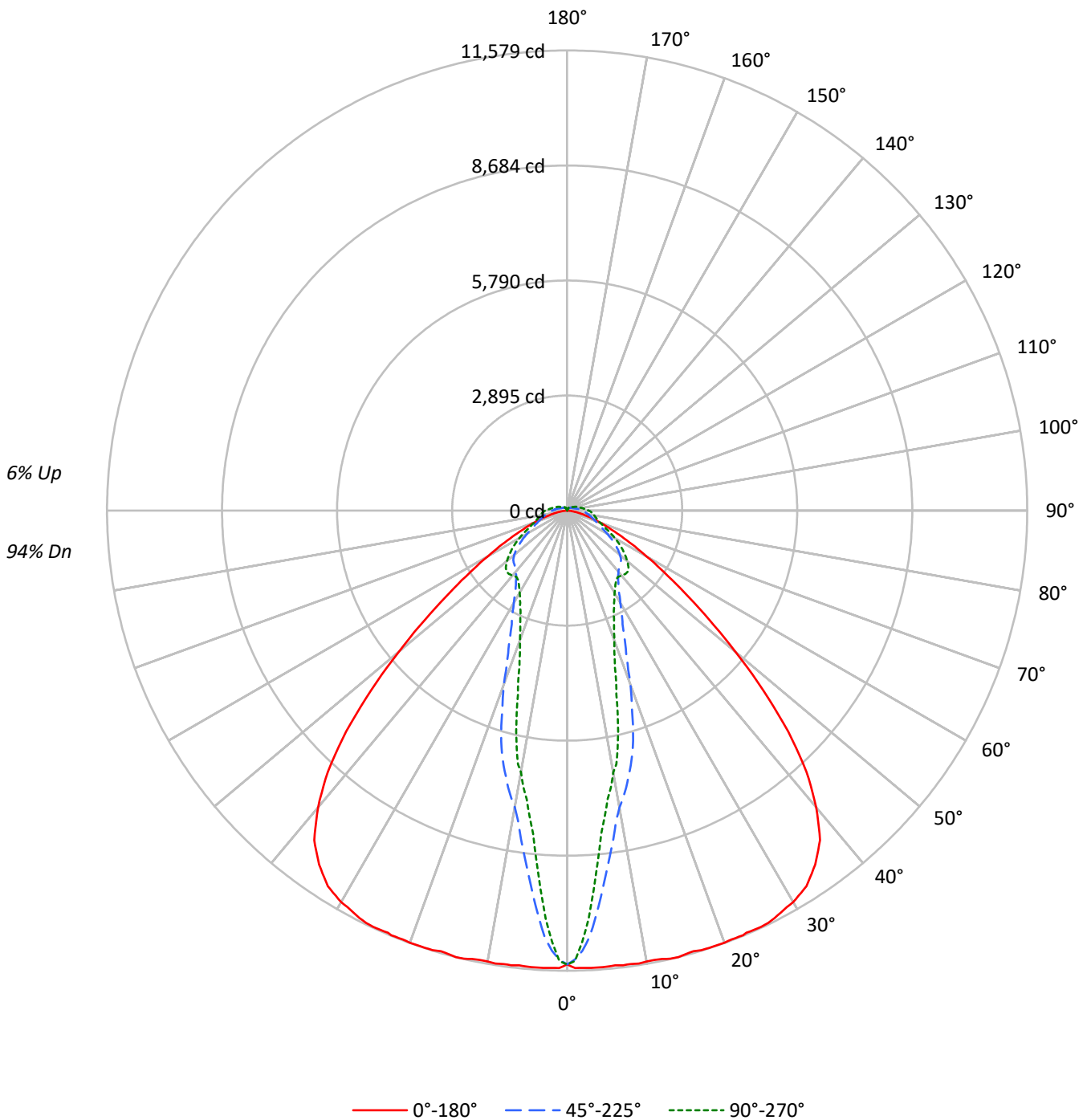
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14077.0 lumens
Efficiency: N/A
Efficacy: 158.5 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°	61461	61461	61461
5°	62129	50544	45186
10°	62731	38200	32703
15°	63996	31260	22645
20°	65775	22643	15993
25°	67969	16239	12582
30°	69861	12987	10715
35°	70448	10997	9597
40°	67347	10008	9621
45°	58629	9680	9883
50°	45147	9217	9223
55°	32868	8071	8183
60°	23983	6745	6919
65°	17588	5712	5672
70°	13099	5055	4891
75°	9466	4690	4559
80°	6400	4404	4490
85°	3237	4213	4496



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	898.1	6.4
10°-20°	1950.2	13.9
20°-30°	2232.3	15.9
30°-40°	2236.3	15.9
40°-50°	2117.0	15.0
50°-60°	1623.6	11.5
60°-70°	1046.5	7.4
70°-80°	667.3	4.7
80°-90°	443.2	3.1
90°-100°	297.9	2.1
100°-110°	196.3	1.4
110°-120°	136.5	1.0
120°-130°	95.2	0.7
130°-140°	66.1	0.5
140°-150°	40.5	0.3
150°-160°	20.5	0.1
160°-170°	7.9	0.1
170°-180°	1.5	0.0
0°-30°	5080.7	36.1
0°-40°	7317.0	52.0
0°-60°	11057.5	78.6
0°-90°	13214.5	93.9
90°-120°	630.7	4.5
90°-150°	832.6	5.9
90°-180°	863.0	6.1
0°-180°	14077.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11420	11420	11420	11420	11420	
5°	11521	10886	9754	9097	8852	###
15°	11550	8318	6341	5209	4790	3276
25°	11557	5887	3355	2914	2777	5328
35°	10879	3275	2244	2171	2143	6750
45°	7863	2070	1890	2092	2164	5979
55°	3607	1479	1457	1638	1702	3317
65°	1443	931	916	1046	1082	1484
75°	491	505	635	729	765	539
85°	65	231	447	584	628	89
90°	0	159	375	519	541	3
95°	0	115	310	426	447	0
105°	0	87	202	289	310	5
115°	7	72	152	209	224	7
125°	7	65	130	152	159	6
135°	7	50	101	123	130	6
145°	7	36	72	94	101	5
155°	7	22	43	65	72	4
165°	14	14	29	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°	11419.9	11419.9	11419.9	11419.9	11419.9
1°	11513.7	11448.8	11297.3	11340.6	11333.4
2°	11513.7	11376.7	11080.9	10994.3	10864.5
3°	11520.9	11254.0	10749.0	10467.7	10287.3
4°	11520.9	11073.7	10258.5	9789.6	9558.7
5°	11520.9	10886.1	9753.5	9097.0	8851.7
6°	11506.5	10662.5	9241.3	8548.7	8180.8
7°	11528.2	10417.2	8779.6	8036.5	7748.0
8°	11520.9	10128.6	8353.9	7647.0	7329.5
9°	11542.6	9847.3	7892.2	7279.0	7041.0
10°	11520.9	9587.6	7589.2	6932.8	6687.5
11°	11520.9	9335.1	7372.8	6709.1	6499.9
12°	11535.4	9046.5	7134.8	6391.7	6103.1
13°	11571.4	8750.7	6860.6	6045.4	5706.4
14°	11578.7	8527.1	6608.1	5605.4	5251.9
15°	11549.8	8317.9	6341.2	5208.6	4790.2
16°	11535.4	8101.5	6023.8	4833.5	4458.3
17°	11564.2	7849.0	5663.1	4451.1	4104.8
18°	11571.4	7618.1	5280.7	4162.5	3859.6
19°	11571.4	7437.8	4970.5	3895.6	3635.9
20°	11571.4	7264.6	4653.1	3693.6	3470.0
21°	11557.0	7048.2	4292.4	3484.4	3296.9
22.5°	11564.2	6644.2	3881.2	3239.1	3087.6
23°	11542.6	6543.2	3780.2	3174.2	3015.5
24°	11549.8	6254.6	3563.8	3044.4	2892.9
25°	11557.0	5886.7	3354.6	2914.5	2777.4
26°	11542.6	5590.9	3181.4	2791.9	2698.1
27°	11506.5	5352.9	3058.8	2690.9	2604.3
28°	11456.0	5035.5	2928.9	2604.3	2524.9
29°	11405.5	4674.7	2799.1	2510.5	2452.8
30°	11376.7	4386.2	2676.4	2438.4	2387.9
32.5°	11203.5	3816.3	2423.9	2294.1	2250.8
35°	10878.9	3275.2	2243.6	2171.4	2142.6
37.5°	10453.3	2856.8	2106.5	2092.1	2099.3
40°	9753.5	2524.9	2005.5	2070.5	2135.4
42.5°	8916.6	2265.2	1933.4	2092.1	2164.2
45°	7863.4	2070.5	1890.1	2092.1	2164.2
47.5°	6694.7	1911.7	1839.6	2020.0	2092.1
50°	5526.0	1767.5	1738.6	1911.7	1976.7
52.5°	4494.4	1630.4	1608.7	1774.7	1839.6
55°	3607.1	1478.9	1457.3	1637.6	1702.5
57.5°	2892.9	1334.6	1313.0	1478.9	1543.8
60°	2308.5	1190.3	1154.3	1320.2	1385.1
62.5°	1839.6	1053.3	1031.6	1175.9	1233.6
65°	1442.8	930.6	916.2	1046.0	1082.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	1139.8	815.2	822.4	930.6	973.9
70°	880.1	707.0	750.3	851.3	880.1
72.5°	663.7	598.8	692.6	779.1	815.2
75°	490.6	505.0	634.8	728.6	764.7
77.5°	339.1	418.4	584.3	685.3	721.4
80°	230.9	339.1	533.8	649.3	692.6
82.5°	137.1	281.4	490.6	613.2	663.7
85°	64.9	230.9	447.3	584.3	627.6
87.5°	21.6	187.6	404.0	555.5	591.6
90°	0.0	158.7	375.1	519.4	541.1
92.5°	0.0	137.1	339.1	476.1	490.6
95°	0.0	115.4	310.2	425.6	447.3
97.5°	0.0	108.2	288.6	382.3	411.2
100°	0.0	101.0	259.7	346.3	375.1
102.5°	0.0	86.6	230.9	310.2	339.1
105°	0.0	86.6	202.0	288.6	310.2
107.5°	7.2	79.4	187.6	259.7	288.6
110°	7.2	79.4	165.9	245.3	266.9
112.5°	7.2	79.4	158.7	223.6	252.5
115°	7.2	72.1	151.5	209.2	223.6
117.5°	7.2	72.1	144.3	187.6	202.0
120°	7.2	64.9	137.1	173.1	180.4
122.5°	7.2	64.9	129.9	158.7	165.9
125°	7.2	64.9	129.9	151.5	158.7
127.5°	7.2	57.7	122.6	144.3	144.3
130°	7.2	57.7	115.4	137.1	137.1
132.5°	7.2	50.5	108.2	129.9	137.1
135°	7.2	50.5	101.0	122.6	129.9
137.5°	7.2	43.3	93.8	115.4	122.6
140°	7.2	43.3	86.6	108.2	115.4
142.5°	7.2	36.1	79.4	101.0	108.2
145°	7.2	36.1	72.1	93.8	101.0
147.5°	7.2	36.1	64.9	86.6	93.8
150°	7.2	28.9	57.7	79.4	86.6
152.5°	7.2	28.9	50.5	72.1	79.4
155°	7.2	21.6	43.3	64.9	72.1
157.5°	7.2	21.6	43.3	57.7	64.9
160°	14.4	21.6	36.1	50.5	57.7
162.5°	7.2	14.4	36.1	43.3	50.5
165°	14.4	14.4	28.9	36.1	43.3
167.5°	14.4	14.4	21.6	28.9	36.1
170°	14.4	14.4	21.6	21.6	28.9
172.5°	14.4	14.4	14.4	21.6	14.4
175°	14.4	14.4	14.4	14.4	7.2
177.5°	14.4	14.4	14.4	14.4	7.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	14.4	14.4	14.4	14.4	14.4

(END OF REPORT)