

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: P568133

Luminaire Tested: **8SNX-96SL-LN-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568133
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-96SL-LN-UNV-L850-CD
Description: 8FT 9600 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

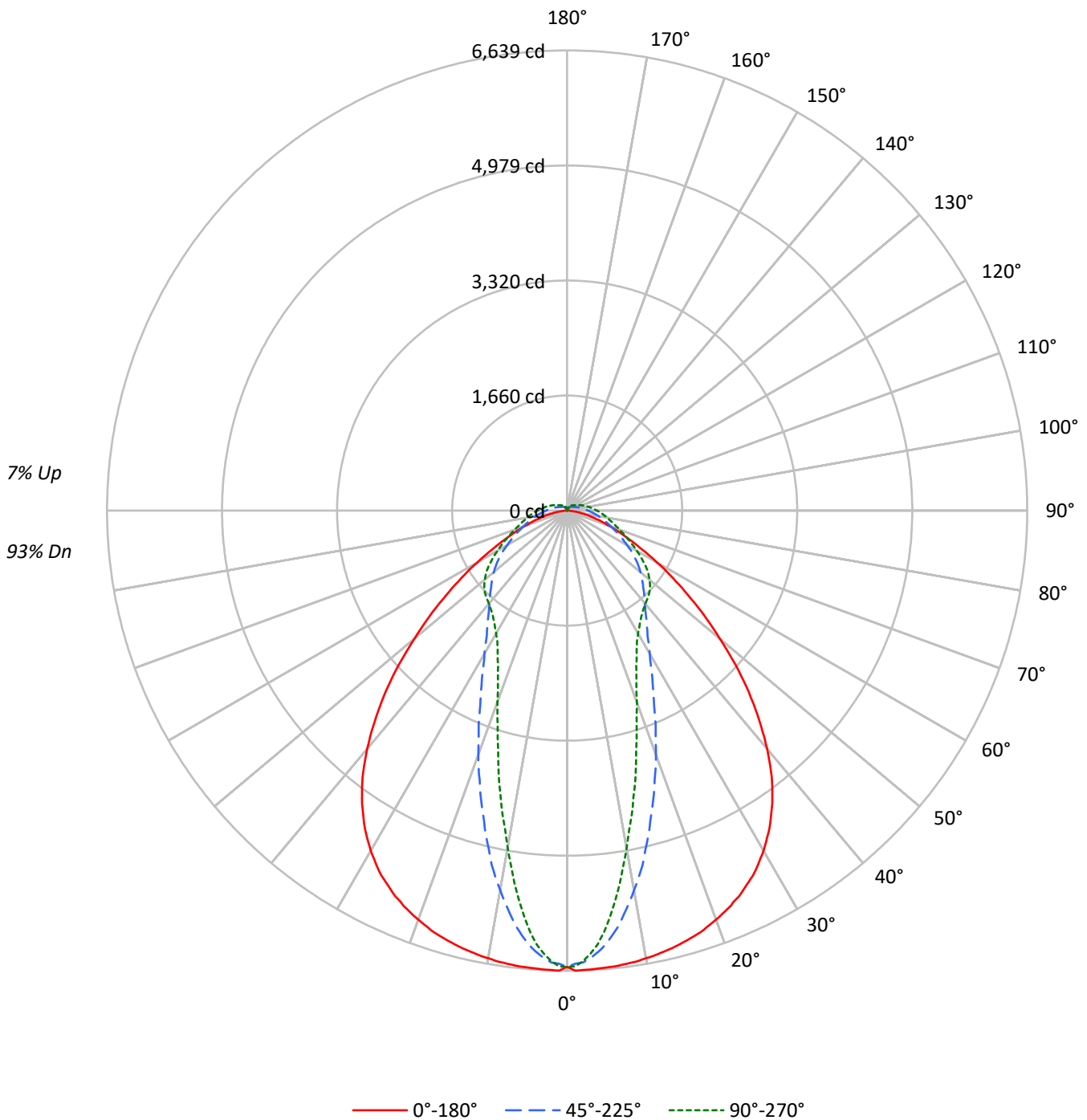
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10494.9 lumens
Efficiency: N/A
Efficacy: 163.5 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): 64.2
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	68	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°	35434	35434	35434
5°	35682	32607	31166
10°	35699	27990	24180
15°	35749	22857	18123
20°	35705	18228	13562
25°	35454	14298	10764
30°	34789	11584	9182
35°	33410	9814	8352
40°	30991	8673	7905
45°	27641	7944	7661
50°	23502	7319	7237
55°	19396	6641	6610
60°	15600	5849	5798
65°	12202	5144	5045
70°	9578	4558	4462
75°	7534	4104	4066
80°	5488	3766	3779
85°	3292	3522	3625



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	583.0	5.6
10°-20°	1366.7	13.0
20°-30°	1622.2	15.5
30°-40°	1632.1	15.6
40°-50°	1517.2	14.5
50°-60°	1249.3	11.9
60°-70°	880.3	8.4
70°-80°	575.1	5.5
80°-90°	367.2	3.5
90°-100°	240.8	2.3
100°-110°	163.5	1.6
110°-120°	112.0	1.1
120°-130°	77.5	0.7
130°-140°	52.2	0.5
140°-150°	32.1	0.3
150°-160°	16.7	0.2
160°-170°	6.0	0.1
170°-180°	1.0	0.0
0°-30°	3571.9	34.0
0°-40°	5204.1	49.6
0°-60°	7970.5	75.9
0°-90°	9793.1	93.3
90°-120°	516.3	4.9
90°-150°	678.1	6.5
90°-180°	702.0	6.7
0°-180°	10494.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6584	6584	6584	6584	6584	
5°	6617	6529	6292	6171	6105	630
15°	6452	5764	4637	4054	3834	1822
25°	6028	4455	2954	2481	2376	2774
35°	5159	3014	2002	1876	1865	3209
45°	3707	1986	1551	1634	1678	2846
55°	2129	1304	1199	1331	1375	1922
65°	1001	786	825	930	962	1016
75°	390	407	556	654	682	422
85°	66	187	374	484	506	83
90°	0	126	302	412	429	4
95°	0	94	253	346	363	0
105°	0	66	170	242	264	0
115°	6	55	121	176	187	5
125°	6	44	99	126	138	5
135°	6	38	77	99	104	4
145°	6	28	55	77	82	3
155°	6	22	38	55	60	3
165°	6	11	22	28	33	2
175°	11	11	11	11	6	1
180°	6	6	6	6	6	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6583.8	6583.8	6583.8	6583.8	6583.8
1°	6638.8	6611.3	6539.8	6589.3	6578.3
2°	6633.3	6605.8	6523.3	6545.3	6506.8
3°	6627.8	6589.3	6462.8	6457.3	6402.3
4°	6622.3	6561.8	6385.8	6319.8	6275.8
5°	6616.8	6528.8	6292.3	6171.3	6105.3
6°	6611.3	6490.3	6171.3	5989.8	5896.3
7°	6600.3	6429.8	6044.8	5797.3	5676.3
8°	6589.3	6374.8	5885.3	5588.3	5439.8
9°	6578.3	6303.3	5725.8	5362.8	5186.8
10°	6556.3	6231.8	5560.8	5131.8	4944.7
11°	6545.3	6149.3	5401.3	4911.7	4691.7
12°	6523.3	6061.3	5230.8	4680.7	4488.2
13°	6501.3	5967.8	5021.8	4482.7	4251.7
14°	6479.3	5868.8	4840.2	4262.7	4048.2
15°	6451.8	5764.3	4636.7	4053.7	3833.7
16°	6424.3	5643.3	4455.2	3839.2	3608.2
17°	6396.8	5527.8	4284.7	3641.2	3432.2
18°	6363.8	5412.3	4086.7	3448.7	3245.2
19°	6319.8	5280.3	3927.2	3272.7	3085.7
20°	6281.3	5159.3	3745.7	3107.7	2942.6
21°	6237.3	5010.7	3564.2	2953.6	2788.6
22.5°	6171.3	4801.7	3333.2	2761.1	2607.1
23°	6138.3	4741.2	3239.7	2689.6	2557.6
24°	6094.3	4581.7	3085.7	2579.6	2447.6
25°	6028.3	4455.2	2953.6	2480.6	2376.1
26°	5967.8	4301.2	2821.6	2392.6	2288.1
27°	5907.3	4152.7	2706.1	2299.1	2211.1
28°	5830.3	3998.7	2579.6	2222.1	2145.1
29°	5747.8	3855.7	2475.1	2156.1	2095.6
30°	5665.3	3696.2	2387.1	2095.6	2046.1
32.5°	5434.3	3344.2	2161.6	1980.1	1947.1
35°	5159.3	3014.2	2002.1	1875.6	1864.6
37.5°	4851.2	2711.6	1859.1	1793.1	1804.1
40°	4488.2	2436.6	1738.1	1732.6	1754.6
42.5°	4103.2	2200.1	1644.6	1683.1	1716.1
45°	3707.2	1985.6	1551.1	1633.6	1677.6
47.5°	3294.7	1798.6	1468.6	1573.1	1622.6
50°	2876.6	1617.1	1380.6	1501.6	1551.1
52.5°	2502.6	1457.6	1292.6	1419.1	1474.1
55°	2128.6	1303.6	1199.1	1331.1	1375.1
57.5°	1804.1	1160.6	1100.1	1232.1	1265.1
60°	1501.6	1023.1	1001.0	1122.1	1160.6
62.5°	1226.6	902.0	907.5	1023.1	1061.6
65°	1001.0	786.5	825.0	929.5	962.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	814.0	676.5	742.5	852.5	880.0
70°	643.5	577.5	676.5	775.5	803.0
72.5°	511.5	489.5	610.5	715.0	737.0
75°	390.5	407.0	555.5	654.5	682.0
77.5°	280.5	341.0	500.5	605.0	627.0
80°	198.0	280.5	456.5	561.0	583.0
82.5°	126.5	231.0	412.5	522.5	544.5
85°	66.0	187.0	374.0	484.0	506.0
87.5°	27.5	154.0	335.5	445.5	467.5
90°	0.0	126.5	302.5	412.5	429.0
92.5°	0.0	110.0	275.0	379.5	396.0
95°	0.0	93.5	253.0	346.5	363.0
97.5°	0.0	88.0	225.5	319.0	335.5
100°	0.0	77.0	203.5	291.5	313.5
102.5°	0.0	71.5	187.0	264.0	286.0
105°	0.0	66.0	170.5	242.0	264.0
107.5°	0.0	60.5	159.5	225.5	242.0
110°	0.0	60.5	143.0	209.0	225.5
112.5°	5.5	55.0	132.0	187.0	203.5
115°	5.5	55.0	121.0	176.0	187.0
117.5°	5.5	55.0	115.5	159.5	170.5
120°	5.5	49.5	110.0	148.5	159.5
122.5°	5.5	49.5	104.5	137.5	143.0
125°	5.5	44.0	99.0	126.5	137.5
127.5°	5.5	44.0	93.5	121.0	126.5
130°	5.5	44.0	88.0	110.0	121.0
132.5°	5.5	38.5	82.5	104.5	110.0
135°	5.5	38.5	77.0	99.0	104.5
137.5°	5.5	33.0	71.5	93.5	99.0
140°	5.5	33.0	66.0	88.0	93.5
142.5°	5.5	27.5	60.5	82.5	88.0
145°	5.5	27.5	55.0	77.0	82.5
147.5°	5.5	27.5	49.5	71.5	77.0
150°	5.5	22.0	44.0	66.0	71.5
152.5°	5.5	22.0	38.5	60.5	66.0
155°	5.5	22.0	38.5	55.0	60.5
157.5°	5.5	16.5	33.0	44.0	55.0
160°	5.5	16.5	27.5	38.5	49.5
162.5°	5.5	16.5	27.5	33.0	38.5
165°	5.5	11.0	22.0	27.5	33.0
167.5°	5.5	11.0	16.5	22.0	27.5
170°	5.5	11.0	16.5	16.5	22.0
172.5°	5.5	11.0	11.0	11.0	11.0
175°	11.0	11.0	11.0	11.0	5.5
177.5°	11.0	11.0	11.0	5.5	5.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	5.5	5.5	5.5	5.5	5.5

(END OF REPORT)