

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: P568122

Luminaire Tested: **8SNX-96SL-LC-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568122
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-96SL-LC-UNV-L830-CD
Description: 8FT 9600 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

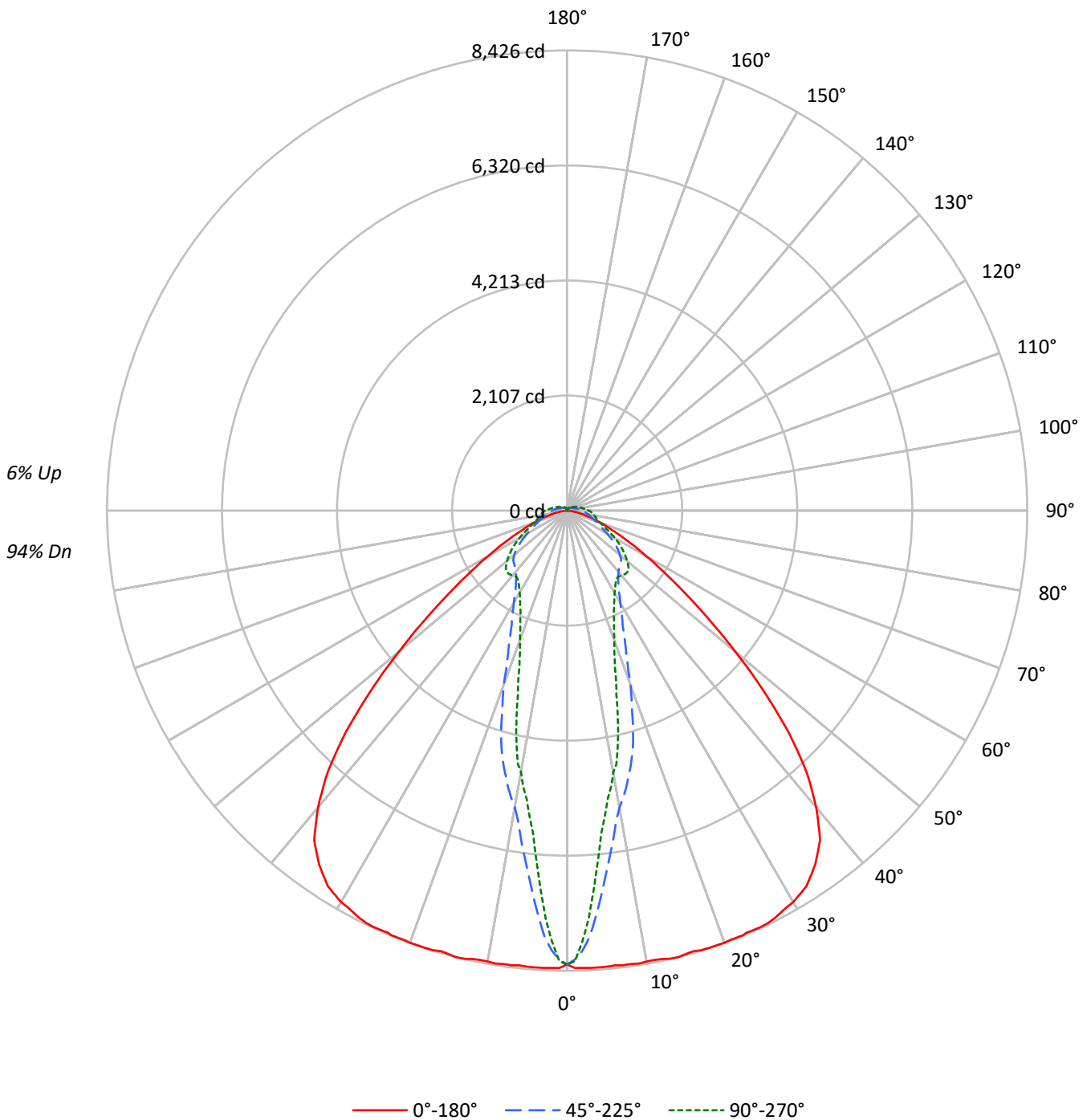
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10243.8 lumens
Efficiency: N/A
Efficacy: 159.6 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): 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

TEST NUMBER: P568122
CATALOG NUMBER: 8SNX-96SL-LC-UNV-L830-CD

Luminous Intensity Polar Plot





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CATALOG NUMBER: 8SNX-96SL-LC-UNV-L830-CD

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°	44726	44726	44726
5°	45212	36781	32882
10°	45650	27799	23798
15°	46571	22748	16479
20°	47865	16478	11639
25°	49462	11818	9156
30°	50838	9451	7798
35°	51266	8003	6984
40°	49009	7283	7001
45°	42665	7044	7192
50°	32854	6707	6711
55°	23918	5873	5955
60°	17453	4909	5035
65°	12800	4157	4128
70°	9533	3678	3559
75°	6888	3414	3318
80°	4657	3205	3267
85°	2354	3066	3272



TEST NUMBER: P568122

CATALOG NUMBER: 8SNX-96SL-LC-UNV-L830-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	653.6	6.4
10°-20°	1419.2	13.9
20°-30°	1624.5	15.9
30°-40°	1627.4	15.9
40°-50°	1540.5	15.0
50°-60°	1181.5	11.5
60°-70°	761.5	7.4
70°-80°	485.6	4.7
80°-90°	322.5	3.1
90°-100°	216.8	2.1
100°-110°	142.8	1.4
110°-120°	99.3	1.0
120°-130°	69.3	0.7
130°-140°	48.1	0.5
140°-150°	29.4	0.3
150°-160°	14.9	0.1
160°-170°	5.7	0.1
170°-180°	1.1	0.0
0°-30°	3697.3	36.1
0°-40°	5324.7	52.0
0°-60°	8046.7	78.6
0°-90°	9616.3	93.9
90°-120°	458.9	4.5
90°-150°	605.7	5.9
90°-180°	628.0	6.1
0°-180°	10243.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8310	8310	8310	8310	8310	
5°	8384	7922	7098	6620	6442	800
15°	8405	6053	4615	3790	3486	2384
25°	8410	4284	2441	2121	2021	3877
35°	7917	2383	1633	1580	1559	4912
45°	5722	1507	1375	1522	1575	4351
55°	2625	1076	1060	1192	1239	2414
65°	1050	677	667	761	788	1080
75°	357	368	462	530	556	392
85°	47	168	326	425	457	65
90°	0	116	273	378	394	2
95°	0	84	226	310	326	0
105°	0	63	147	210	226	3
115°	5	52	110	152	163	5
125°	5	47	94	110	116	5
135°	5	37	74	89	94	4
145°	5	26	52	68	74	3
155°	5	16	32	47	52	3
165°	10	10	21	26	32	3
175°	10	10	10	10	5	1
180°	10	10	10	10	10	



TEST NUMBER: P568122

CATALOG NUMBER: 8SNX-96SL-LC-UNV-L830-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8310.4	8310.4	8310.4	8310.4	8310.4
1°	8378.7	8331.4	8221.2	8252.7	8247.4
2°	8378.7	8278.9	8063.7	8000.7	7906.2
3°	8383.9	8189.7	7822.2	7617.5	7486.2
4°	8383.9	8058.4	7465.2	7124.0	6956.0
5°	8383.9	7921.9	7097.7	6620.0	6441.5
6°	8373.4	7759.2	6725.0	6221.0	5953.3
7°	8389.2	7580.7	6389.0	5848.3	5638.3
8°	8383.9	7370.7	6079.3	5564.8	5333.8
9°	8399.7	7166.0	5743.3	5297.0	5123.8
10°	8383.9	6977.0	5522.8	5045.1	4866.6
11°	8383.9	6793.2	5365.3	4882.3	4730.1
12°	8394.4	6583.2	5192.1	4651.3	4441.3
13°	8420.7	6368.0	4992.6	4399.3	4152.6
14°	8425.9	6205.3	4808.8	4079.1	3821.9
15°	8404.9	6053.0	4614.6	3790.4	3485.9
16°	8394.4	5895.5	4383.6	3517.4	3244.4
17°	8415.4	5711.8	4121.1	3239.1	2987.1
18°	8420.7	5543.8	3842.9	3029.1	2808.6
19°	8420.7	5412.5	3617.1	2834.9	2645.9
20°	8420.7	5286.5	3386.1	2687.9	2525.2
21°	8410.2	5129.1	3123.6	2535.7	2399.2
22.5°	8415.4	4835.1	2824.4	2357.2	2246.9
23°	8399.7	4761.6	2750.9	2309.9	2194.4
24°	8404.9	4551.6	2593.4	2215.4	2105.2
25°	8410.2	4283.8	2441.2	2120.9	2021.2
26°	8399.7	4068.6	2315.2	2031.7	1963.4
27°	8373.4	3895.3	2225.9	1958.2	1895.2
28°	8336.7	3664.4	2131.4	1895.2	1837.4
29°	8299.9	3401.9	2036.9	1826.9	1784.9
30°	8278.9	3191.9	1947.7	1774.4	1737.7
32.5°	8152.9	2777.1	1763.9	1669.4	1637.9
35°	7916.7	2383.4	1632.7	1580.2	1559.2
37.5°	7607.0	2078.9	1532.9	1522.4	1527.7
40°	7097.7	1837.4	1459.4	1506.7	1553.9
42.5°	6488.8	1648.4	1406.9	1522.4	1574.9
45°	5722.3	1506.7	1375.4	1522.4	1574.9
47.5°	4871.8	1391.2	1338.7	1469.9	1522.4
50°	4021.3	1286.2	1265.2	1391.2	1438.4
52.5°	3270.6	1186.5	1170.7	1291.5	1338.7
55°	2624.9	1076.2	1060.5	1191.7	1239.0
57.5°	2105.2	971.2	955.5	1076.2	1123.5
60°	1679.9	866.2	840.0	960.7	1008.0
62.5°	1338.7	766.5	750.7	855.7	897.7
65°	1050.0	677.2	666.7	761.2	787.5



TEST NUMBER: P568122

CATALOG NUMBER: 8SNX-96SL-LC-UNV-L830-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	829.5	593.2	598.5	677.2	708.7
70°	640.5	514.5	546.0	619.5	640.5
72.5°	483.0	435.7	504.0	567.0	593.2
75°	357.0	367.5	462.0	530.2	556.5
77.5°	246.7	304.5	425.2	498.7	525.0
80°	168.0	246.7	388.5	472.5	504.0
82.5°	99.7	204.7	357.0	446.2	483.0
85°	47.2	168.0	325.5	425.2	456.7
87.5°	15.7	136.5	294.0	404.2	430.5
90°	0.0	115.5	273.0	378.0	393.7
92.5°	0.0	99.7	246.7	346.5	357.0
95°	0.0	84.0	225.7	309.7	325.5
97.5°	0.0	78.7	210.0	278.2	299.2
100°	0.0	73.5	189.0	252.0	273.0
102.5°	0.0	63.0	168.0	225.7	246.7
105°	0.0	63.0	147.0	210.0	225.7
107.5°	5.2	57.7	136.5	189.0	210.0
110°	5.2	57.7	120.7	178.5	194.2
112.5°	5.2	57.7	115.5	162.7	183.7
115°	5.2	52.5	110.2	152.2	162.7
117.5°	5.2	52.5	105.0	136.5	147.0
120°	5.2	47.2	99.7	126.0	131.2
122.5°	5.2	47.2	94.5	115.5	120.7
125°	5.2	47.2	94.5	110.2	115.5
127.5°	5.2	42.0	89.2	105.0	105.0
130°	5.2	42.0	84.0	99.7	99.7
132.5°	5.2	36.7	78.7	94.5	99.7
135°	5.2	36.7	73.5	89.2	94.5
137.5°	5.2	31.5	68.2	84.0	89.2
140°	5.2	31.5	63.0	78.7	84.0
142.5°	5.2	26.2	57.7	73.5	78.7
145°	5.2	26.2	52.5	68.2	73.5
147.5°	5.2	26.2	47.2	63.0	68.2
150°	5.2	21.0	42.0	57.7	63.0
152.5°	5.2	21.0	36.7	52.5	57.7
155°	5.2	15.7	31.5	47.2	52.5
157.5°	5.2	15.7	31.5	42.0	47.2
160°	10.5	15.7	26.2	36.7	42.0
162.5°	5.2	10.5	26.2	31.5	36.7
165°	10.5	10.5	21.0	26.2	31.5
167.5°	10.5	10.5	15.7	21.0	26.2
170°	10.5	10.5	15.7	15.7	21.0
172.5°	10.5	10.5	10.5	15.7	10.5
175°	10.5	10.5	10.5	10.5	5.2
177.5°	10.5	10.5	10.5	10.5	5.2



TEST NUMBER: P568122

CATALOG NUMBER: 8SNX-96SL-LC-UNV-L830-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	10.5	10.5	10.5	10.5	10.5

(END OF REPORT)