

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: P568127

Luminaire Tested: **8SNX-96SL-LC-UNV-L935-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P568127  
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-L935-CD  
Description: 8FT 9600 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LC LENS  
Light Source: -  
Ballast/Driver: -

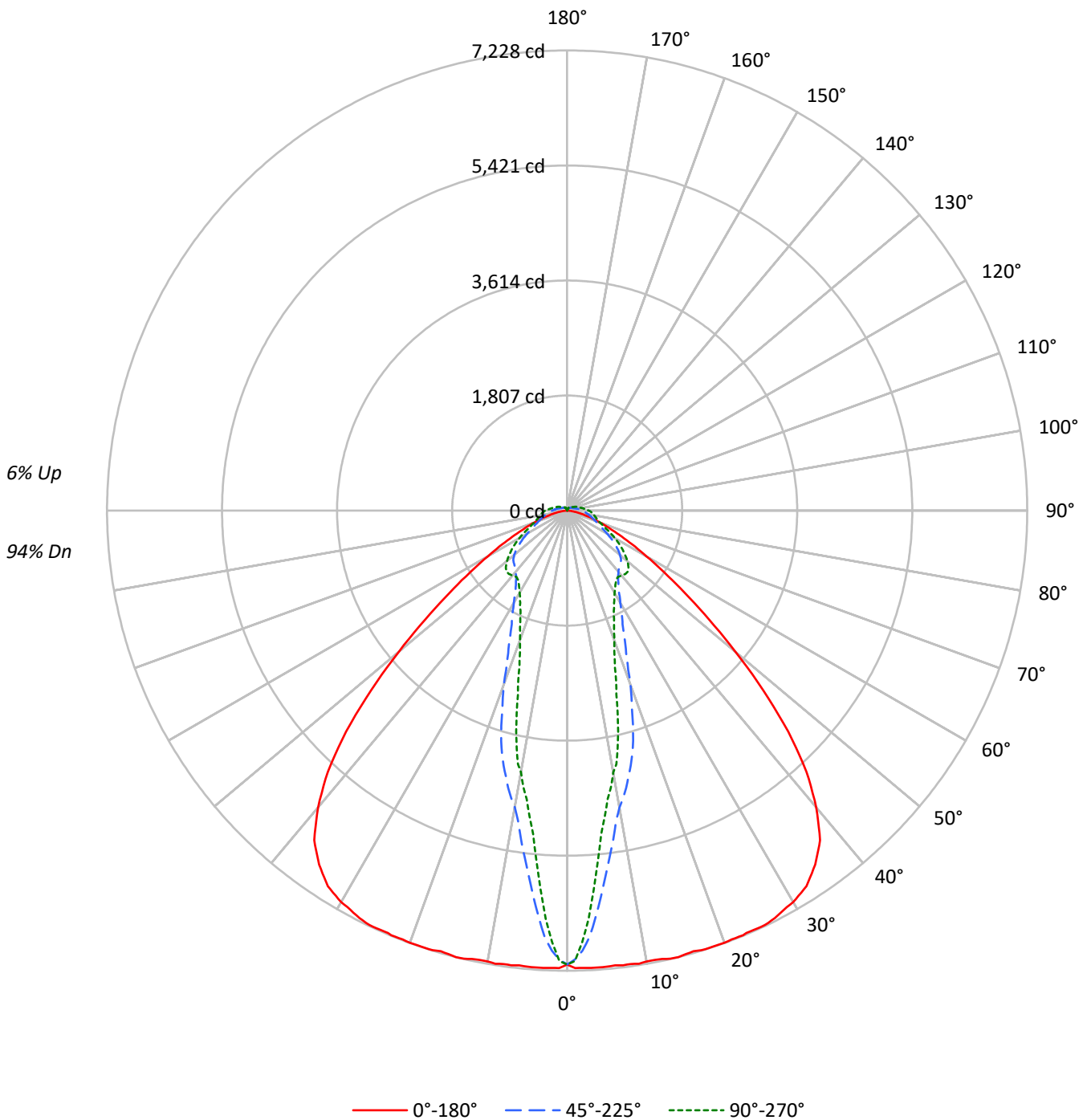
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8788.0 lumens  
Efficiency: N/A  
Efficacy: 136.9 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 (A<sub>in</sub>): 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°	38370	38370	38370
5°	38786	31553	28209
10°	39162	23848	20416
15°	39951	19515	14137
20°	41062	14136	9984
25°	42432	10138	7855
30°	43612	8108	6689
35°	43980	6865	5991
40°	42043	6248	6006
45°	36601	6043	6170
50°	28185	5754	5758
55°	20518	5038	5109
60°	14973	4211	4320
65°	10980	3566	3541
70°	8177	3156	3053
75°	5908	2928	2846
80°	3994	2750	2802
85°	2020	2630	2807



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	560.7	6.4
10°-20°	1217.5	13.9
20°-30°	1393.6	15.9
30°-40°	1396.1	15.9
40°-50°	1321.6	15.0
50°-60°	1013.6	11.5
60°-70°	653.3	7.4
70°-80°	416.6	4.7
80°-90°	276.6	3.1
90°-100°	186.0	2.1
100°-110°	122.5	1.4
110°-120°	85.2	1.0
120°-130°	59.5	0.7
130°-140°	41.3	0.5
140°-150°	25.3	0.3
150°-160°	12.8	0.1
160°-170°	4.9	0.1
170°-180°	0.9	0.0
0°-30°	3171.8	36.1
0°-40°	4567.9	52.0
0°-60°	6903.0	78.6
0°-90°	8249.6	93.9
90°-120°	393.7	4.5
90°-150°	519.7	5.9
90°-180°	538.0	6.1
0°-180°	8788.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	7129	7129	7129	7129	7129	
5°	7192	6796	6089	5679	5526	687
15°	7210	5193	3959	3252	2990	2045
25°	7215	3675	2094	1820	1734	3326
35°	6792	2045	1401	1356	1338	4214
45°	4909	1292	1180	1306	1351	3732
55°	2252	923	910	1022	1063	2071
65°	901	581	572	653	676	926
75°	306	315	396	455	477	337
85°	40	144	279	365	392	56
90°	0	99	234	324	338	2
95°	0	72	194	266	279	0
105°	0	54	126	180	194	3
115°	4	45	95	131	140	4
125°	4	40	81	95	99	4
135°	4	32	63	77	81	3
145°	4	22	45	58	63	3
155°	4	14	27	40	45	2
165°	9	9	18	22	27	2
175°	9	9	9	9	4	1
180°	9	9	9	9	9	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	7129.3	7129.3	7129.3	7129.3	7129.3
1°	7187.8	7147.3	7052.7	7079.7	7075.2
2°	7187.8	7102.2	6917.6	6863.5	6782.5
3°	7192.3	7025.7	6710.4	6534.8	6422.2
4°	7192.3	6913.1	6404.2	6111.4	5967.3
5°	7192.3	6796.0	6088.9	5679.1	5526.0
6°	7183.3	6656.4	5769.2	5336.8	5107.1
7°	7196.8	6503.2	5480.9	5017.0	4836.9
8°	7192.3	6323.1	5215.2	4773.9	4575.7
9°	7205.8	6147.5	4927.0	4544.2	4395.5
10°	7192.3	5985.3	4737.8	4328.0	4174.9
11°	7192.3	5827.7	4602.7	4188.4	4057.8
12°	7201.3	5647.6	4454.1	3990.2	3810.1
13°	7223.8	5462.9	4283.0	3774.0	3562.4
14°	7228.3	5323.3	4125.3	3499.3	3278.6
15°	7210.3	5192.7	3958.7	3251.6	2990.4
16°	7201.3	5057.6	3760.5	3017.4	2783.2
17°	7219.3	4900.0	3535.4	2778.7	2562.6
18°	7223.8	4755.8	3296.7	2598.6	2409.4
19°	7223.8	4643.2	3103.0	2432.0	2269.8
20°	7223.8	4535.2	2904.8	2305.9	2166.2
21°	7214.8	4400.1	2679.7	2175.3	2058.2
22.5°	7219.3	4147.8	2423.0	2022.1	1927.6
23°	7205.8	4084.8	2359.9	1981.6	1882.5
24°	7210.3	3904.7	2224.8	1900.5	1806.0
25°	7214.8	3675.0	2094.2	1819.5	1733.9
26°	7205.8	3490.3	1986.1	1742.9	1684.4
27°	7183.3	3341.7	1909.5	1679.9	1625.8
28°	7151.8	3143.5	1828.5	1625.8	1576.3
29°	7120.2	2918.4	1747.4	1567.3	1531.2
30°	7102.2	2738.2	1670.8	1522.2	1490.7
32.5°	6994.1	2382.4	1513.2	1432.2	1405.1
35°	6791.5	2044.6	1400.6	1355.6	1337.6
37.5°	6525.8	1783.4	1315.1	1306.1	1310.6
40°	6088.9	1576.3	1252.0	1292.5	1333.1
42.5°	5566.5	1414.1	1207.0	1306.1	1351.1
45°	4909.0	1292.5	1180.0	1306.1	1351.1
47.5°	4179.4	1193.5	1148.4	1261.0	1306.1
50°	3449.8	1103.4	1085.4	1193.5	1234.0
52.5°	2805.8	1017.8	1004.3	1107.9	1148.4
55°	2251.8	923.2	909.7	1022.3	1062.9
57.5°	1806.0	833.2	819.7	923.2	963.8
60°	1441.2	743.1	720.6	824.2	864.7
62.5°	1148.4	657.5	644.0	734.1	770.1
65°	900.7	581.0	572.0	653.0	675.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	711.6	508.9	513.4	581.0	608.0
70°	549.4	441.4	468.4	531.4	549.4
72.5°	414.3	373.8	432.3	486.4	508.9
75°	306.2	315.3	396.3	454.9	477.4
77.5°	211.7	261.2	364.8	427.8	450.4
80°	144.1	211.7	333.3	405.3	432.3
82.5°	85.6	175.6	306.2	382.8	414.3
85°	40.5	144.1	279.2	364.8	391.8
87.5°	13.5	117.1	252.2	346.8	369.3
90°	0.0	99.1	234.2	324.3	337.8
92.5°	0.0	85.6	211.7	297.2	306.2
95°	0.0	72.1	193.7	265.7	279.2
97.5°	0.0	67.6	180.1	238.7	256.7
100°	0.0	63.1	162.1	216.2	234.2
102.5°	0.0	54.0	144.1	193.7	211.7
105°	0.0	54.0	126.1	180.1	193.7
107.5°	4.5	49.5	117.1	162.1	180.1
110°	4.5	49.5	103.6	153.1	166.6
112.5°	4.5	49.5	99.1	139.6	157.6
115°	4.5	45.0	94.6	130.6	139.6
117.5°	4.5	45.0	90.1	117.1	126.1
120°	4.5	40.5	85.6	108.1	112.6
122.5°	4.5	40.5	81.1	99.1	103.6
125°	4.5	40.5	81.1	94.6	99.1
127.5°	4.5	36.0	76.6	90.1	90.1
130°	4.5	36.0	72.1	85.6	85.6
132.5°	4.5	31.5	67.6	81.1	85.6
135°	4.5	31.5	63.1	76.6	81.1
137.5°	4.5	27.0	58.5	72.1	76.6
140°	4.5	27.0	54.0	67.6	72.1
142.5°	4.5	22.5	49.5	63.1	67.6
145°	4.5	22.5	45.0	58.5	63.1
147.5°	4.5	22.5	40.5	54.0	58.5
150°	4.5	18.0	36.0	49.5	54.0
152.5°	4.5	18.0	31.5	45.0	49.5
155°	4.5	13.5	27.0	40.5	45.0
157.5°	4.5	13.5	27.0	36.0	40.5
160°	9.0	13.5	22.5	31.5	36.0
162.5°	4.5	9.0	22.5	27.0	31.5
165°	9.0	9.0	18.0	22.5	27.0
167.5°	9.0	9.0	13.5	18.0	22.5
170°	9.0	9.0	13.5	13.5	18.0
172.5°	9.0	9.0	9.0	13.5	9.0
175°	9.0	9.0	9.0	9.0	4.5
177.5°	9.0	9.0	9.0	9.0	4.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	9.0	9.0	9.0	9.0	9.0

(END OF REPORT)