

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: P568135

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

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P568135  
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-L935-CD  
Description: 8FT 9600 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LN LENS  
Light Source: -  
Ballast/Driver: -

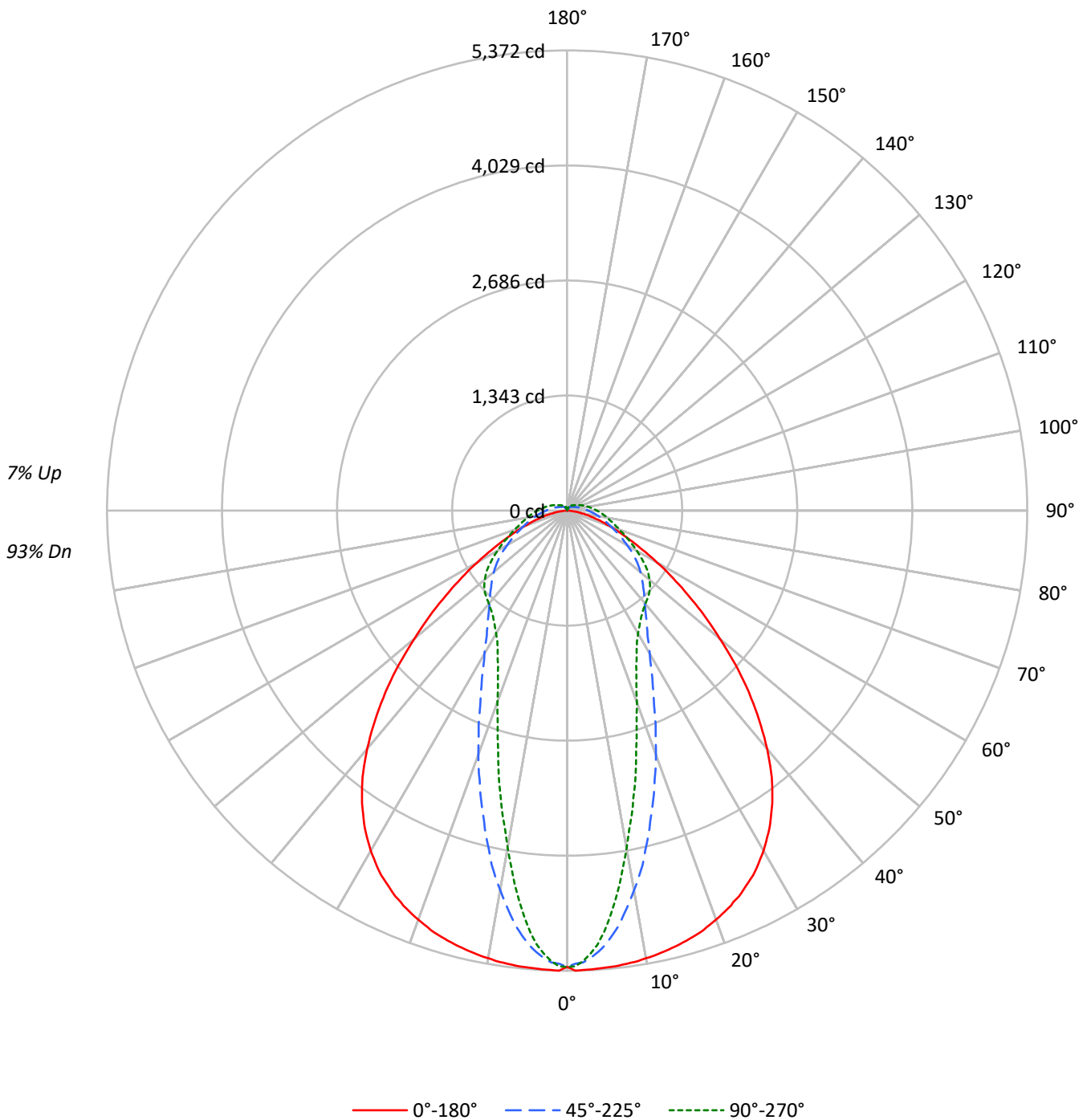
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8492.1 lumens  
Efficiency: N/A  
Efficacy: 132.3 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	67	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°	28671	28671	28671
5°	28872	26384	25218
10°	28886	22648	19565
15°	28926	18495	14664
20°	28890	14749	10974
25°	28687	11569	8709
30°	28149	9373	7429
35°	27033	7941	6758
40°	25076	7018	6396
45°	22365	6427	6199
50°	19016	5922	5856
55°	15695	5373	5348
60°	12623	4733	4691
65°	9874	4162	4082
70°	7750	3688	3611
75°	6097	3321	3290
80°	4440	3047	3059
85°	2663	2850	2933



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	471.8	5.6
10°-20°	1105.8	13.0
20°-30°	1312.6	15.5
30°-40°	1320.6	15.6
40°-50°	1227.6	14.5
50°-60°	1010.8	11.9
60°-70°	712.3	8.4
70°-80°	465.4	5.5
80°-90°	297.1	3.5
90°-100°	194.9	2.3
100°-110°	132.3	1.6
110°-120°	90.7	1.1
120°-130°	62.7	0.7
130°-140°	42.2	0.5
140°-150°	26.0	0.3
150°-160°	13.5	0.2
160°-170°	4.9	0.1
170°-180°	0.8	0.0
0°-30°	2890.2	34.0
0°-40°	4210.9	49.6
0°-60°	6449.3	75.9
0°-90°	7924.1	93.3
90°-120°	417.8	4.9
90°-150°	548.8	6.5
90°-180°	568.0	6.7
0°-180°	8492.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	5327	5327	5327	5327	5327	
5°	5354	5283	5091	4994	4940	510
15°	5220	4664	3752	3280	3102	1474
25°	4878	3605	2390	2007	1923	2245
35°	4175	2439	1620	1518	1509	2596
45°	3000	1607	1255	1322	1357	2303
55°	1722	1055	970	1077	1113	1556
65°	810	636	668	752	779	822
75°	316	329	450	530	552	342
85°	53	151	303	392	409	67
90°	0	102	245	334	347	3
95°	0	76	205	280	294	0
105°	0	53	138	196	214	0
115°	4	44	98	142	151	4
125°	4	36	80	102	111	4
135°	4	31	62	80	85	3
145°	4	22	44	62	67	3
155°	4	18	31	44	49	2
165°	4	9	18	22	27	1
175°	9	9	9	9	4	1
180°	4	4	4	4	4	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	5327.3	5327.3	5327.3	5327.3	5327.3
1°	5371.8	5349.5	5291.7	5331.7	5322.8
2°	5367.3	5345.1	5278.3	5296.1	5265.0
3°	5362.9	5331.7	5229.4	5224.9	5180.4
4°	5358.4	5309.5	5167.1	5113.7	5078.1
5°	5354.0	5282.8	5091.4	4993.5	4940.1
6°	5349.5	5251.6	4993.5	4846.6	4771.0
7°	5340.6	5202.7	4891.1	4690.9	4592.9
8°	5331.7	5158.2	4762.1	4521.7	4401.6
9°	5322.8	5100.3	4633.0	4339.3	4196.9
10°	5305.0	5042.5	4499.5	4152.3	4001.0
11°	5296.1	4975.7	4370.4	3974.3	3796.3
12°	5278.3	4904.5	4232.5	3787.4	3631.6
13°	5260.5	4828.8	4063.3	3627.2	3440.3
14°	5242.7	4748.7	3916.5	3449.2	3275.6
15°	5220.5	4664.2	3751.8	3280.0	3102.0
16°	5198.2	4566.2	3604.9	3106.5	2919.5
17°	5176.0	4472.8	3467.0	2946.3	2777.1
18°	5149.3	4379.3	3306.7	2790.5	2625.8
19°	5113.7	4272.5	3177.7	2648.1	2496.7
20°	5082.5	4174.6	3030.8	2514.6	2381.0
21°	5046.9	4054.4	2883.9	2389.9	2256.4
22.5°	4993.5	3885.3	2697.0	2234.2	2109.6
23°	4966.8	3836.4	2621.4	2176.3	2069.5
24°	4931.2	3707.3	2496.7	2087.3	1980.5
25°	4877.8	3604.9	2389.9	2007.2	1922.6
26°	4828.8	3480.3	2283.1	1936.0	1851.4
27°	4779.9	3360.2	2189.7	1860.3	1789.1
28°	4717.6	3235.5	2087.3	1798.0	1735.7
29°	4650.8	3119.8	2002.7	1744.6	1695.7
30°	4584.0	2990.8	1931.5	1695.7	1655.6
32.5°	4397.1	2705.9	1749.1	1602.2	1575.5
35°	4174.6	2438.9	1620.0	1517.6	1508.7
37.5°	3925.4	2194.1	1504.3	1450.9	1459.8
40°	3631.6	1971.6	1406.4	1401.9	1419.7
42.5°	3320.1	1780.2	1330.7	1361.9	1388.6
45°	2999.7	1606.6	1255.0	1321.8	1357.4
47.5°	2665.9	1455.3	1188.3	1272.9	1312.9
50°	2327.6	1308.5	1117.1	1215.0	1255.0
52.5°	2025.0	1179.4	1045.9	1148.2	1192.7
55°	1722.4	1054.8	970.2	1077.0	1112.6
57.5°	1459.8	939.1	890.1	996.9	1023.6
60°	1215.0	827.8	810.0	907.9	939.1
62.5°	992.5	729.9	734.3	827.8	859.0
65°	810.0	636.4	667.6	752.1	778.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	658.7	547.4	600.8	689.8	712.1
70°	520.7	467.3	547.4	627.5	649.8
72.5°	413.9	396.1	494.0	578.6	596.4
75°	316.0	329.3	449.5	529.6	551.9
77.5°	227.0	275.9	405.0	489.6	507.4
80°	160.2	227.0	369.4	454.0	471.8
82.5°	102.4	186.9	333.8	422.8	440.6
85°	53.4	151.3	302.6	391.6	409.4
87.5°	22.3	124.6	271.5	360.5	378.3
90°	0.0	102.4	244.8	333.8	347.1
92.5°	0.0	89.0	222.5	307.1	320.4
95°	0.0	75.7	204.7	280.4	293.7
97.5°	0.0	71.2	182.5	258.1	271.5
100°	0.0	62.3	164.7	235.9	253.7
102.5°	0.0	57.9	151.3	213.6	231.4
105°	0.0	53.4	138.0	195.8	213.6
107.5°	0.0	49.0	129.1	182.5	195.8
110°	0.0	49.0	115.7	169.1	182.5
112.5°	4.5	44.5	106.8	151.3	164.7
115°	4.5	44.5	97.9	142.4	151.3
117.5°	4.5	44.5	93.5	129.1	138.0
120°	4.5	40.1	89.0	120.2	129.1
122.5°	4.5	40.1	84.6	111.3	115.7
125°	4.5	35.6	80.1	102.4	111.3
127.5°	4.5	35.6	75.7	97.9	102.4
130°	4.5	35.6	71.2	89.0	97.9
132.5°	4.5	31.2	66.8	84.6	89.0
135°	4.5	31.2	62.3	80.1	84.6
137.5°	4.5	26.7	57.9	75.7	80.1
140°	4.5	26.7	53.4	71.2	75.7
142.5°	4.5	22.3	49.0	66.8	71.2
145°	4.5	22.3	44.5	62.3	66.8
147.5°	4.5	22.3	40.1	57.9	62.3
150°	4.5	17.8	35.6	53.4	57.9
152.5°	4.5	17.8	31.2	49.0	53.4
155°	4.5	17.8	31.2	44.5	49.0
157.5°	4.5	13.4	26.7	35.6	44.5
160°	4.5	13.4	22.3	31.2	40.1
162.5°	4.5	13.4	22.3	26.7	31.2
165°	4.5	8.9	17.8	22.3	26.7
167.5°	4.5	8.9	13.4	17.8	22.3
170°	4.5	8.9	13.4	13.4	17.8
172.5°	4.5	8.9	8.9	8.9	8.9
175°	8.9	8.9	8.9	8.9	4.5
177.5°	8.9	8.9	8.9	4.5	4.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	4.5	4.5	4.5	4.5	4.5

(END OF REPORT)