

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: P568134

Luminaire Tested: **8SNX-96SL-LN-UNV-L930-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P568134  
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-L930-CD  
Description: 8FT 9600 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LN LENS  
Light Source: -  
Ballast/Driver: -

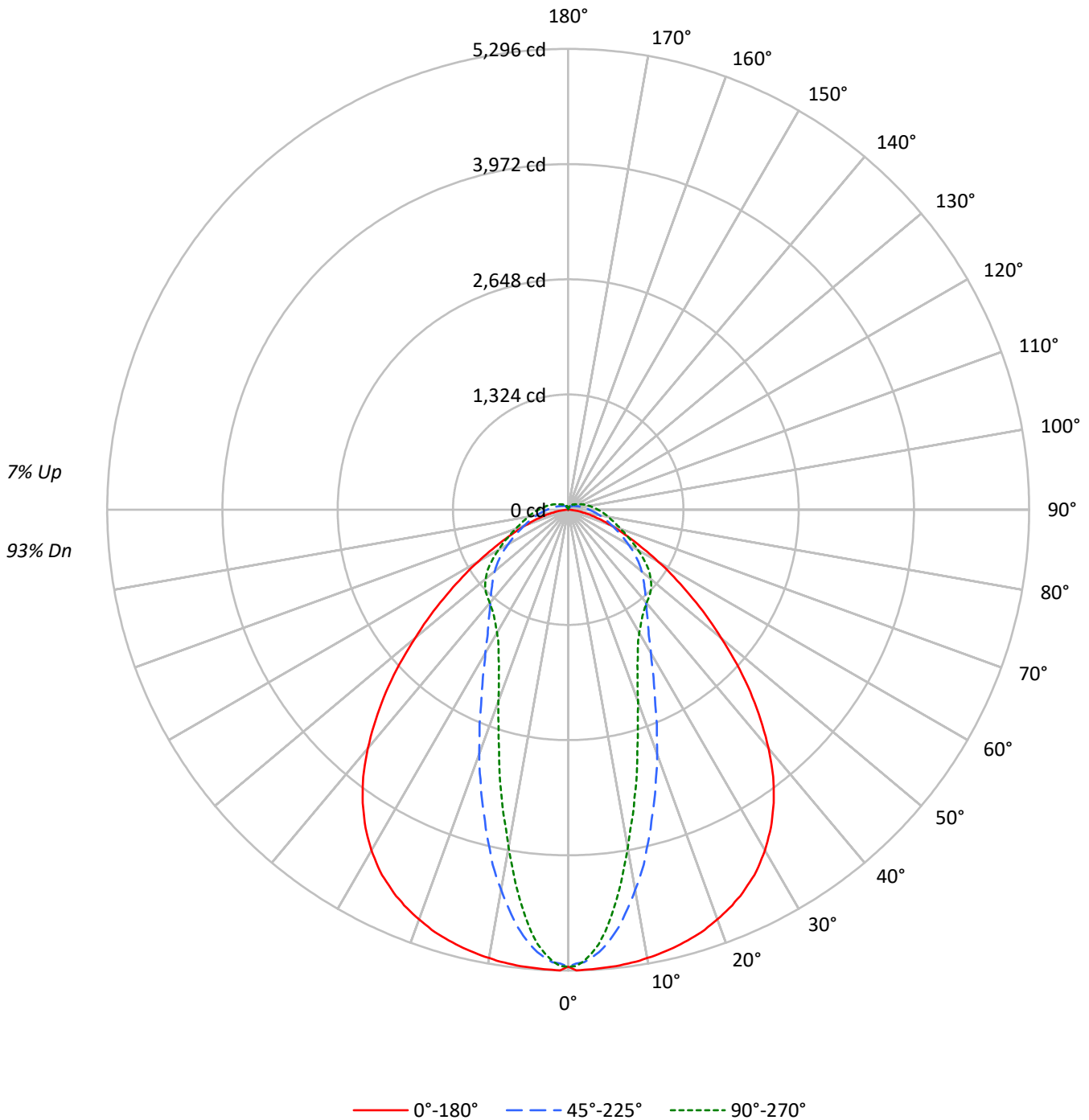
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8372.0 lumens  
Efficiency: N/A  
Efficacy: 130.4 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 (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	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°	28266	28266	28266
5°	28464	26012	24862
10°	28478	22328	19289
15°	28517	18234	14457
20°	28482	14541	10819
25°	28282	11406	8587
30°	27752	9240	7324
35°	26651	7828	6662
40°	24722	6919	6306
45°	22049	6337	6111
50°	18748	5838	5773
55°	15472	5297	5272
60°	12444	4667	4625
65°	9735	4103	4024
70°	7641	3636	3560
75°	6010	3275	3244
80°	4380	3004	3015
85°	2628	2810	2892



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	465.1	5.6
10°-20°	1090.2	13.0
20°-30°	1294.1	15.5
30°-40°	1302.0	15.6
40°-50°	1210.3	14.5
50°-60°	996.6	11.9
60°-70°	702.2	8.4
70°-80°	458.8	5.5
80°-90°	292.9	3.5
90°-100°	192.1	2.3
100°-110°	130.4	1.6
110°-120°	89.4	1.1
120°-130°	61.8	0.7
130°-140°	41.6	0.5
140°-150°	25.6	0.3
150°-160°	13.3	0.2
160°-170°	4.8	0.1
170°-180°	0.8	0.0
0°-30°	2849.4	34.0
0°-40°	4151.4	49.6
0°-60°	6358.2	75.9
0°-90°	7812.1	93.3
90°-120°	411.9	4.9
90°-150°	541.0	6.5
90°-180°	560.0	6.7
0°-180°	8372.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	5252	5252	5252	5252	5252	
5°	5278	5208	5020	4923	4870	502
15°	5147	4598	3699	3234	3058	1453
25°	4809	3554	2356	1979	1896	2213
35°	4116	2404	1597	1496	1487	2560
45°	2957	1584	1237	1303	1338	2270
55°	1698	1040	956	1062	1097	1534
65°	799	627	658	742	768	810
75°	312	325	443	522	544	337
85°	53	149	298	386	404	66
90°	0	101	241	329	342	3
95°	0	75	202	276	290	0
105°	0	53	136	193	211	0
115°	4	44	96	140	149	4
125°	4	35	79	101	110	4
135°	4	31	61	79	83	3
145°	4	22	44	61	66	3
155°	4	18	31	44	48	2
165°	4	9	18	22	26	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°	5252.0	5252.0	5252.0	5252.0	5252.0
1°	5295.9	5273.9	5216.9	5256.4	5247.6
2°	5291.5	5269.6	5203.7	5221.3	5190.6
3°	5287.1	5256.4	5155.5	5151.1	5107.2
4°	5282.7	5234.5	5094.1	5041.4	5006.3
5°	5278.3	5208.1	5019.5	4922.9	4870.3
6°	5273.9	5177.4	4922.9	4778.1	4703.6
7°	5265.2	5129.2	4822.0	4624.6	4528.0
8°	5256.4	5085.3	4694.8	4457.8	4339.4
9°	5247.6	5028.2	4567.5	4278.0	4137.5
10°	5230.1	4971.2	4435.9	4093.7	3944.5
11°	5221.3	4905.4	4308.7	3918.2	3742.7
12°	5203.7	4835.2	4172.6	3733.9	3580.3
13°	5186.2	4760.6	4005.9	3575.9	3391.6
14°	5168.6	4681.6	3861.1	3400.4	3229.3
15°	5146.7	4598.2	3698.8	3233.7	3058.2
16°	5124.8	4501.7	3554.0	3062.6	2878.3
17°	5102.8	4409.6	3418.0	2904.6	2737.9
18°	5076.5	4317.4	3260.0	2751.1	2588.7
19°	5041.4	4212.1	3132.8	2610.6	2461.5
20°	5010.7	4115.6	2988.0	2479.0	2347.4
21°	4975.6	3997.1	2843.2	2356.2	2224.5
22.5°	4922.9	3830.4	2658.9	2202.6	2079.7
23°	4896.6	3782.1	2584.3	2145.6	2040.3
24°	4861.5	3654.9	2461.5	2057.8	1952.5
25°	4808.9	3554.0	2356.2	1978.8	1895.5
26°	4760.6	3431.1	2250.9	1908.6	1825.3
27°	4712.3	3312.7	2158.7	1834.0	1763.8
28°	4650.9	3189.8	2057.8	1772.6	1711.2
29°	4585.1	3075.7	1974.4	1720.0	1671.7
30°	4519.3	2948.5	1904.2	1671.7	1632.2
32.5°	4335.0	2667.7	1724.3	1579.6	1553.2
35°	4115.6	2404.4	1597.1	1496.2	1487.4
37.5°	3869.9	2163.1	1483.0	1430.4	1439.1
40°	3580.3	1943.7	1386.5	1382.1	1399.7
42.5°	3273.2	1755.1	1311.9	1342.6	1368.9
45°	2957.3	1583.9	1237.3	1303.1	1338.2
47.5°	2628.2	1434.8	1171.5	1254.9	1294.4
50°	2294.7	1290.0	1101.3	1197.8	1237.3
52.5°	1996.4	1162.7	1031.1	1132.0	1175.9
55°	1698.0	1039.9	956.5	1061.8	1096.9
57.5°	1439.1	925.8	877.5	982.8	1009.2
60°	1197.8	816.1	798.6	895.1	925.8
62.5°	978.4	719.6	724.0	816.1	846.8
65°	798.6	627.4	658.1	741.5	767.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	649.4	539.7	592.3	680.1	702.0
70°	513.4	460.7	539.7	618.7	640.6
72.5°	408.1	390.5	487.0	570.4	587.9
75°	311.5	324.7	443.2	522.1	544.1
77.5°	223.8	272.0	399.3	482.6	500.2
80°	158.0	223.8	364.2	447.5	465.1
82.5°	100.9	184.3	329.1	416.8	434.4
85°	52.7	149.2	298.4	386.1	403.7
87.5°	21.9	122.9	267.6	355.4	372.9
90°	0.0	100.9	241.3	329.1	342.2
92.5°	0.0	87.8	219.4	302.7	315.9
95°	0.0	74.6	201.8	276.4	289.6
97.5°	0.0	70.2	179.9	254.5	267.6
100°	0.0	61.4	162.3	232.5	250.1
102.5°	0.0	57.0	149.2	210.6	228.2
105°	0.0	52.7	136.0	193.1	210.6
107.5°	0.0	48.3	127.2	179.9	193.1
110°	0.0	48.3	114.1	166.7	179.9
112.5°	4.4	43.9	105.3	149.2	162.3
115°	4.4	43.9	96.5	140.4	149.2
117.5°	4.4	43.9	92.1	127.2	136.0
120°	4.4	39.5	87.8	118.5	127.2
122.5°	4.4	39.5	83.4	109.7	114.1
125°	4.4	35.1	79.0	100.9	109.7
127.5°	4.4	35.1	74.6	96.5	100.9
130°	4.4	35.1	70.2	87.8	96.5
132.5°	4.4	30.7	65.8	83.4	87.8
135°	4.4	30.7	61.4	79.0	83.4
137.5°	4.4	26.3	57.0	74.6	79.0
140°	4.4	26.3	52.7	70.2	74.6
142.5°	4.4	21.9	48.3	65.8	70.2
145°	4.4	21.9	43.9	61.4	65.8
147.5°	4.4	21.9	39.5	57.0	61.4
150°	4.4	17.6	35.1	52.7	57.0
152.5°	4.4	17.6	30.7	48.3	52.7
155°	4.4	17.6	30.7	43.9	48.3
157.5°	4.4	13.2	26.3	35.1	43.9
160°	4.4	13.2	21.9	30.7	39.5
162.5°	4.4	13.2	21.9	26.3	30.7
165°	4.4	8.8	17.6	21.9	26.3
167.5°	4.4	8.8	13.2	17.6	21.9
170°	4.4	8.8	13.2	13.2	17.6
172.5°	4.4	8.8	8.8	8.8	8.8
175°	8.8	8.8	8.8	8.8	4.4
177.5°	8.8	8.8	8.8	4.4	4.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	4.4	4.4	4.4	4.4	4.4

(END OF REPORT)