

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: P568129

Luminaire Tested: **8SNX-96SL-LC-UNV-L950-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P568129  
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-L950-CD  
Description: 8FT 9600 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LC LENS  
Light Source: -  
Ballast/Driver: -

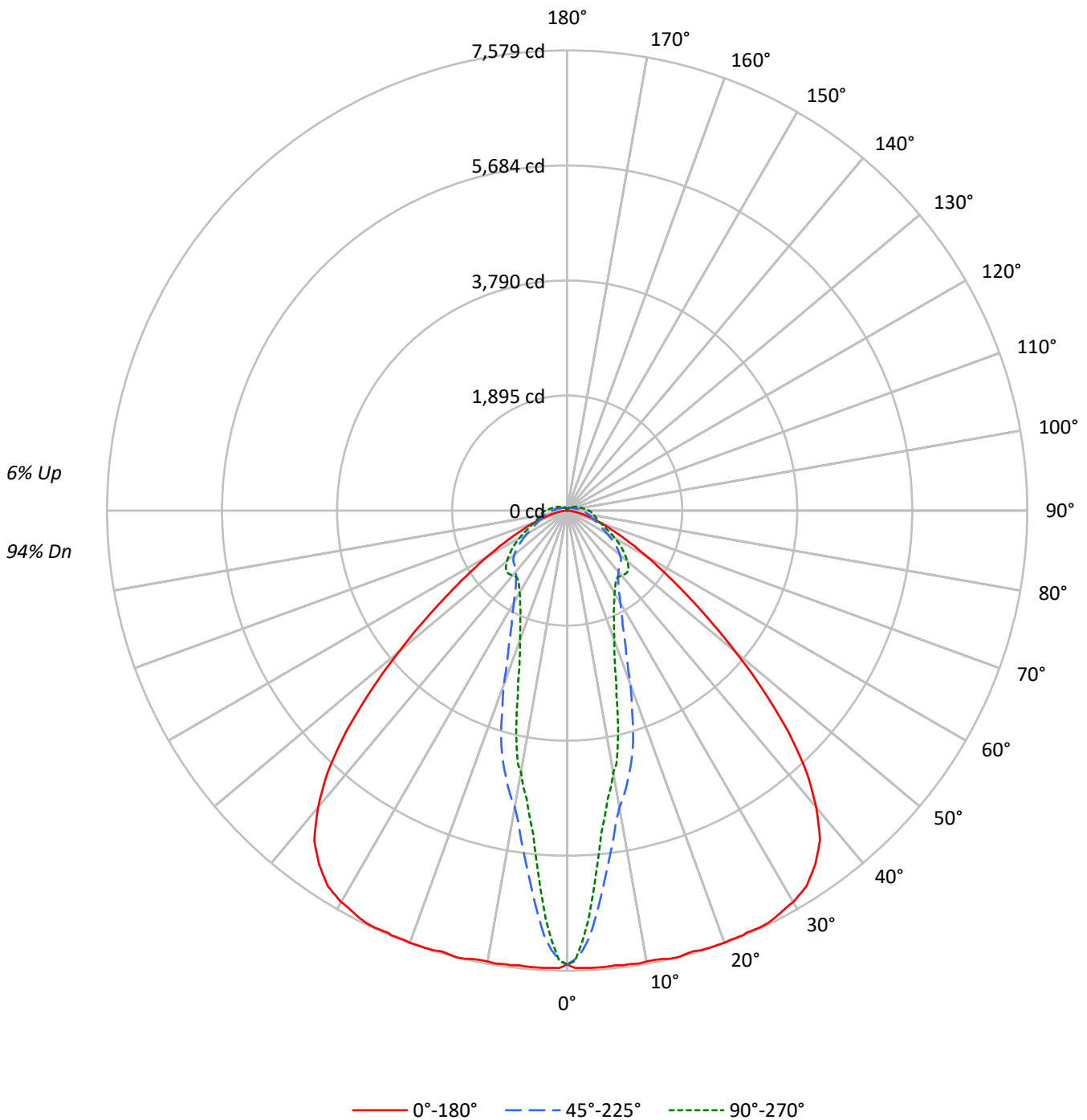
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9214.0 lumens  
Efficiency: N/A  
Efficacy: 143.5 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°	40229	40229	40229
5°	40666	33083	29576
10°	41061	25004	21405
15°	41888	20461	14822
20°	43053	14821	10468
25°	44489	10629	8236
30°	45727	8501	7014
35°	46111	7198	6282
40°	44082	6550	6297
45°	38375	6336	6469
50°	29551	6033	6037
55°	21514	5282	5357
60°	15698	4415	4529
65°	11512	3739	3712
70°	8575	3309	3201
75°	6195	3070	2984
80°	4188	2882	2939
85°	2120	2758	2943



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	587.8	6.4
10°-20°	1276.5	13.9
20°-30°	1461.2	15.9
30°-40°	1463.8	15.9
40°-50°	1385.7	15.0
50°-60°	1062.7	11.5
60°-70°	685.0	7.4
70°-80°	436.8	4.7
80°-90°	290.1	3.1
90°-100°	195.0	2.1
100°-110°	128.5	1.4
110°-120°	89.4	1.0
120°-130°	62.3	0.7
130°-140°	43.3	0.5
140°-150°	26.5	0.3
150°-160°	13.4	0.1
160°-170°	5.2	0.1
170°-180°	1.0	0.0
0°-30°	3325.5	36.1
0°-40°	4789.3	52.0
0°-60°	7237.6	78.6
0°-90°	8649.5	93.9
90°-120°	412.8	4.5
90°-150°	544.9	5.9
90°-180°	565.0	6.1
0°-180°	9214.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	7475	7475	7475	7475	7475	
5°	7541	7125	6384	5954	5794	720
15°	7560	5444	4151	3409	3135	2144
25°	7565	3853	2196	1908	1818	3487
35°	7121	2144	1468	1421	1402	4418
45°	5147	1355	1237	1369	1417	3913
55°	2361	968	954	1072	1114	2171
65°	944	609	600	685	708	971
75°	321	330	416	477	500	353
85°	42	151	293	382	411	58
90°	0	104	246	340	354	2
95°	0	76	203	279	293	0
105°	0	57	132	189	203	3
115°	5	47	99	137	146	5
125°	5	42	85	99	104	4
135°	5	33	66	80	85	4
145°	5	24	47	61	66	3
155°	5	14	28	42	47	2
165°	9	9	19	24	28	2
175°	9	9	9	9	5	1
180°	9	9	9	9	9	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	7474.8	7474.8	7474.8	7474.8	7474.8
1°	7536.2	7493.7	7394.6	7422.9	7418.2
2°	7536.2	7446.5	7252.9	7196.2	7111.3
3°	7541.0	7366.2	7035.7	6851.5	6733.5
4°	7541.0	7248.2	6714.6	6407.7	6256.6
5°	7541.0	7125.4	6384.1	5954.4	5793.8
6°	7531.5	6979.0	6048.8	5595.5	5354.7
7°	7545.7	6818.5	5746.6	5260.3	5071.4
8°	7541.0	6629.6	5468.0	5005.3	4797.5
9°	7555.1	6445.5	5165.8	4764.4	4608.6
10°	7541.0	6275.5	4967.5	4537.8	4377.2
11°	7541.0	6110.2	4825.8	4391.4	4254.5
12°	7550.4	5921.3	4670.0	4183.6	3994.8
13°	7574.0	5727.7	4490.6	3957.0	3735.1
14°	7578.7	5581.3	4325.3	3669.0	3437.6
15°	7559.8	5444.4	4150.6	3409.2	3135.4
16°	7550.4	5302.7	3942.8	3163.7	2918.2
17°	7569.3	5137.5	3706.7	2913.4	2686.8
18°	7574.0	4986.4	3456.5	2724.6	2526.2
19°	7574.0	4868.3	3253.4	2549.9	2379.9
20°	7574.0	4755.0	3045.7	2417.6	2271.3
21°	7564.6	4613.3	2809.6	2280.7	2157.9
22.5°	7569.3	4348.9	2540.4	2120.2	2021.0
23°	7555.1	4282.8	2474.3	2077.7	1973.8
24°	7559.8	4093.9	2332.6	1992.7	1893.5
25°	7564.6	3853.1	2195.7	1907.7	1818.0
26°	7555.1	3659.5	2082.4	1827.4	1766.0
27°	7531.5	3503.7	2002.1	1761.3	1704.6
28°	7498.5	3295.9	1917.1	1704.6	1652.7
29°	7465.4	3059.8	1832.1	1643.2	1605.5
30°	7446.5	2870.9	1751.8	1596.0	1563.0
32.5°	7333.2	2497.9	1586.6	1501.6	1473.2
35°	7120.7	2143.8	1468.5	1421.3	1402.4
37.5°	6842.1	1869.9	1378.8	1369.4	1374.1
40°	6384.1	1652.7	1312.7	1355.2	1397.7
42.5°	5836.3	1482.7	1265.5	1369.4	1416.6
45°	5146.9	1355.2	1237.2	1369.4	1416.6
47.5°	4382.0	1251.3	1204.1	1322.1	1369.4
50°	3617.0	1156.9	1138.0	1251.3	1293.8
52.5°	2941.8	1067.2	1053.0	1161.6	1204.1
55°	2361.0	968.0	953.8	1071.9	1114.4
57.5°	1893.5	873.6	859.4	968.0	1010.5
60°	1511.0	779.1	755.5	864.1	906.6
62.5°	1204.1	689.4	675.2	769.7	807.5
65°	944.4	609.1	599.7	684.7	708.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	746.1	533.6	538.3	609.1	637.5
70°	576.1	462.8	491.1	557.2	576.1
72.5°	434.4	391.9	453.3	510.0	533.6
75°	321.1	330.5	415.5	476.9	500.5
77.5°	221.9	273.9	382.5	448.6	472.2
80°	151.1	221.9	349.4	425.0	453.3
82.5°	89.7	184.2	321.1	401.4	434.4
85°	42.5	151.1	292.8	382.5	410.8
87.5°	14.2	122.8	264.4	363.6	387.2
90°	0.0	103.9	245.5	340.0	354.1
92.5°	0.0	89.7	221.9	311.6	321.1
95°	0.0	75.6	203.0	278.6	292.8
97.5°	0.0	70.8	188.9	250.3	269.2
100°	0.0	66.1	170.0	226.7	245.5
102.5°	0.0	56.7	151.1	203.0	221.9
105°	0.0	56.7	132.2	188.9	203.0
107.5°	4.7	51.9	122.8	170.0	188.9
110°	4.7	51.9	108.6	160.5	174.7
112.5°	4.7	51.9	103.9	146.4	165.3
115°	4.7	47.2	99.2	136.9	146.4
117.5°	4.7	47.2	94.4	122.8	132.2
120°	4.7	42.5	89.7	113.3	118.0
122.5°	4.7	42.5	85.0	103.9	108.6
125°	4.7	42.5	85.0	99.2	103.9
127.5°	4.7	37.8	80.3	94.4	94.4
130°	4.7	37.8	75.6	89.7	89.7
132.5°	4.7	33.1	70.8	85.0	89.7
135°	4.7	33.1	66.1	80.3	85.0
137.5°	4.7	28.3	61.4	75.6	80.3
140°	4.7	28.3	56.7	70.8	75.6
142.5°	4.7	23.6	51.9	66.1	70.8
145°	4.7	23.6	47.2	61.4	66.1
147.5°	4.7	23.6	42.5	56.7	61.4
150°	4.7	18.9	37.8	51.9	56.7
152.5°	4.7	18.9	33.1	47.2	51.9
155°	4.7	14.2	28.3	42.5	47.2
157.5°	4.7	14.2	28.3	37.8	42.5
160°	9.4	14.2	23.6	33.1	37.8
162.5°	4.7	9.4	23.6	28.3	33.1
165°	9.4	9.4	18.9	23.6	28.3
167.5°	9.4	9.4	14.2	18.9	23.6
170°	9.4	9.4	14.2	14.2	18.9
172.5°	9.4	9.4	9.4	14.2	9.4
175°	9.4	9.4	9.4	9.4	4.7
177.5°	9.4	9.4	9.4	9.4	4.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	9.4	9.4	9.4	9.4	9.4

(END OF REPORT)