

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: P568128

Luminaire Tested: **8SNX-96SL-LC-UNV-L940-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P568128  
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-L940-CD  
Description: 8FT 9600 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LC LENS  
Light Source: -  
Ballast/Driver: -

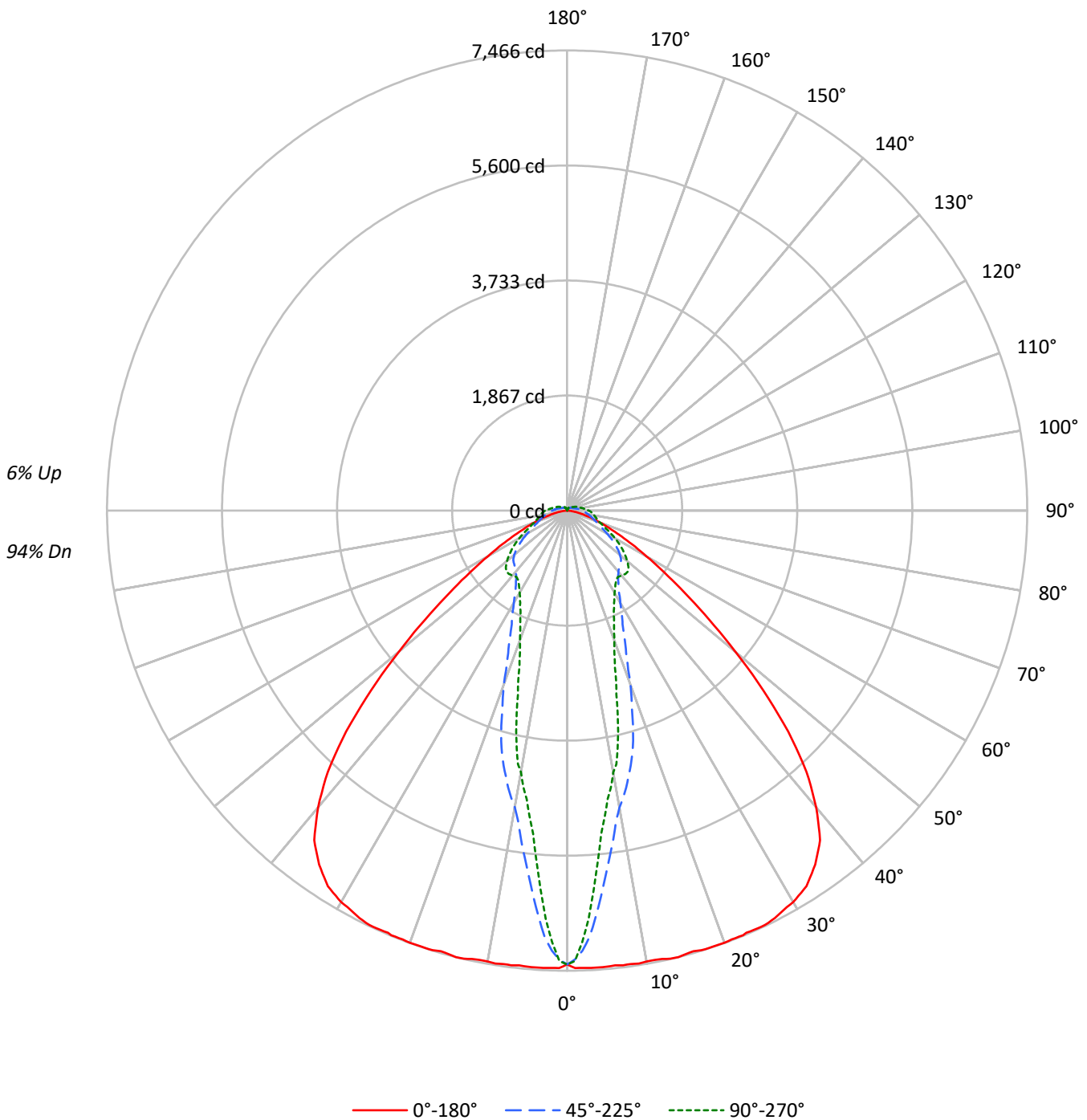
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9077.0 lumens  
Efficiency: N/A  
Efficacy: 141.4 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	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°	39631	39631	39631
5°	40061	32591	29136
10°	40450	24632	21087
15°	41265	20157	14602
20°	42413	14601	10313
25°	43827	10471	8113
30°	45047	8375	6909
35°	45426	7091	6188
40°	43427	6453	6203
45°	37804	6242	6373
50°	29111	5943	5947
55°	21194	5204	5277
60°	15465	4349	4461
65°	11341	3684	3657
70°	8447	3259	3154
75°	6103	3025	2940
80°	4127	2839	2895
85°	2090	2716	2899



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	579.1	6.4
10°-20°	1257.5	13.9
20°-30°	1439.4	15.9
30°-40°	1442.0	15.9
40°-50°	1365.0	15.0
50°-60°	1046.9	11.5
60°-70°	674.8	7.4
70°-80°	430.3	4.7
80°-90°	285.7	3.1
90°-100°	192.1	2.1
100°-110°	126.6	1.4
110°-120°	88.0	1.0
120°-130°	61.4	0.7
130°-140°	42.6	0.5
140°-150°	26.1	0.3
150°-160°	13.2	0.1
160°-170°	5.1	0.1
170°-180°	1.0	0.0
0°-30°	3276.1	36.1
0°-40°	4718.1	52.0
0°-60°	7130.0	78.5
0°-90°	8520.9	93.9
90°-120°	406.7	4.5
90°-150°	536.9	5.9
90°-180°	556.0	6.1
0°-180°	9077.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	7364	7364	7364	7364	7364	
5°	7429	7020	6289	5866	5708	709
15°	7447	5364	4089	3359	3089	2112
25°	7452	3796	2163	1879	1791	3435
35°	7015	2112	1447	1400	1382	4352
45°	5070	1335	1219	1349	1396	3855
55°	2326	954	940	1056	1098	2139
65°	930	600	591	674	698	957
75°	316	326	409	470	493	348
85°	42	149	288	377	405	58
90°	0	102	242	335	349	2
95°	0	74	200	274	288	0
105°	0	56	130	186	200	3
115°	5	46	98	135	144	5
125°	5	42	84	98	102	4
135°	5	33	65	79	84	4
145°	5	23	46	60	65	3
155°	5	14	28	42	46	2
165°	9	9	19	23	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°	7363.7	7363.7	7363.7	7363.7	7363.7
1°	7424.2	7382.3	7284.6	7312.5	7307.9
2°	7424.2	7335.8	7145.1	7089.3	7005.5
3°	7428.8	7256.7	6931.1	6749.7	6633.4
4°	7428.8	7140.4	6614.8	6312.4	6163.6
5°	7428.8	7019.5	6289.2	5865.8	5707.7
6°	7419.5	6875.3	5958.9	5512.3	5275.1
7°	7433.5	6717.1	5661.2	5182.0	4996.0
8°	7428.8	6531.0	5386.7	4930.8	4726.2
9°	7442.8	6349.6	5089.0	4693.6	4540.1
10°	7428.8	6182.2	4893.6	4470.3	4312.2
11°	7428.8	6019.4	4754.1	4326.1	4191.2
12°	7438.1	5833.3	4600.6	4121.4	3935.4
13°	7461.4	5642.6	4423.8	3898.2	3679.5
14°	7466.0	5498.4	4261.0	3614.4	3386.5
15°	7447.4	5363.5	4088.9	3358.6	3088.8
16°	7438.1	5223.9	3884.2	3116.7	2874.8
17°	7456.7	5061.1	3651.6	2870.1	2646.8
18°	7461.4	4912.2	3405.1	2684.1	2488.7
19°	7461.4	4795.9	3205.0	2511.9	2344.5
20°	7461.4	4684.3	3000.4	2381.7	2237.5
21°	7452.1	4544.7	2767.8	2246.8	2125.8
22.5°	7456.7	4284.3	2502.6	2088.6	1990.9
23°	7442.8	4219.1	2437.5	2046.8	1944.4
24°	7447.4	4033.1	2298.0	1963.0	1865.3
25°	7452.1	3795.8	2163.1	1879.3	1790.9
26°	7442.8	3605.1	2051.4	1800.2	1739.8
27°	7419.5	3451.6	1972.3	1735.1	1679.3
28°	7387.0	3246.9	1888.6	1679.3	1628.1
29°	7354.4	3014.3	1804.9	1618.8	1581.6
30°	7335.8	2828.3	1725.8	1572.3	1539.7
32.5°	7224.2	2460.8	1563.0	1479.3	1451.3
35°	7014.8	2111.9	1446.7	1400.2	1381.6
37.5°	6740.4	1842.1	1358.3	1349.0	1353.7
40°	6289.2	1628.1	1293.2	1335.0	1376.9
42.5°	5749.5	1460.6	1246.7	1349.0	1395.5
45°	5070.4	1335.0	1218.8	1349.0	1395.5
47.5°	4316.8	1232.7	1186.2	1302.5	1349.0
50°	3563.2	1139.7	1121.1	1232.7	1274.6
52.5°	2898.0	1051.3	1037.3	1144.3	1186.2
55°	2325.9	953.6	939.7	1055.9	1097.8
57.5°	1865.3	860.6	846.6	953.6	995.5
60°	1488.6	767.5	744.3	851.3	893.1
62.5°	1186.2	679.2	665.2	758.2	795.4
65°	930.3	600.1	590.8	674.5	697.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	735.0	525.6	530.3	600.1	628.0
70°	567.5	455.9	483.8	548.9	567.5
72.5°	428.0	386.1	446.6	502.4	525.6
75°	316.3	325.6	409.4	469.8	493.1
77.5°	218.6	269.8	376.8	441.9	465.2
80°	148.9	218.6	344.2	418.7	446.6
82.5°	88.4	181.4	316.3	395.4	428.0
85°	41.9	148.9	288.4	376.8	404.7
87.5°	14.0	120.9	260.5	358.2	381.4
90°	0.0	102.3	241.9	334.9	348.9
92.5°	0.0	88.4	218.6	307.0	316.3
95°	0.0	74.4	200.0	274.5	288.4
97.5°	0.0	69.8	186.1	246.5	265.1
100°	0.0	65.1	167.5	223.3	241.9
102.5°	0.0	55.8	148.9	200.0	218.6
105°	0.0	55.8	130.2	186.1	200.0
107.5°	4.7	51.2	120.9	167.5	186.1
110°	4.7	51.2	107.0	158.2	172.1
112.5°	4.7	51.2	102.3	144.2	162.8
115°	4.7	46.5	97.7	134.9	144.2
117.5°	4.7	46.5	93.0	120.9	130.2
120°	4.7	41.9	88.4	111.6	116.3
122.5°	4.7	41.9	83.7	102.3	107.0
125°	4.7	41.9	83.7	97.7	102.3
127.5°	4.7	37.2	79.1	93.0	93.0
130°	4.7	37.2	74.4	88.4	88.4
132.5°	4.7	32.6	69.8	83.7	88.4
135°	4.7	32.6	65.1	79.1	83.7
137.5°	4.7	27.9	60.5	74.4	79.1
140°	4.7	27.9	55.8	69.8	74.4
142.5°	4.7	23.3	51.2	65.1	69.8
145°	4.7	23.3	46.5	60.5	65.1
147.5°	4.7	23.3	41.9	55.8	60.5
150°	4.7	18.6	37.2	51.2	55.8
152.5°	4.7	18.6	32.6	46.5	51.2
155°	4.7	14.0	27.9	41.9	46.5
157.5°	4.7	14.0	27.9	37.2	41.9
160°	9.3	14.0	23.3	32.6	37.2
162.5°	4.7	9.3	23.3	27.9	32.6
165°	9.3	9.3	18.6	23.3	27.9
167.5°	9.3	9.3	14.0	18.6	23.3
170°	9.3	9.3	14.0	14.0	18.6
172.5°	9.3	9.3	9.3	14.0	9.3
175°	9.3	9.3	9.3	9.3	4.7
177.5°	9.3	9.3	9.3	9.3	4.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	9.3	9.3	9.3	9.3	9.3

(END OF REPORT)