

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: P568078

Luminaire Tested: **8SNX-90SL-LC-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568078
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-90SL-LC-UNV-L930-CD
Description: 8FT 9000 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

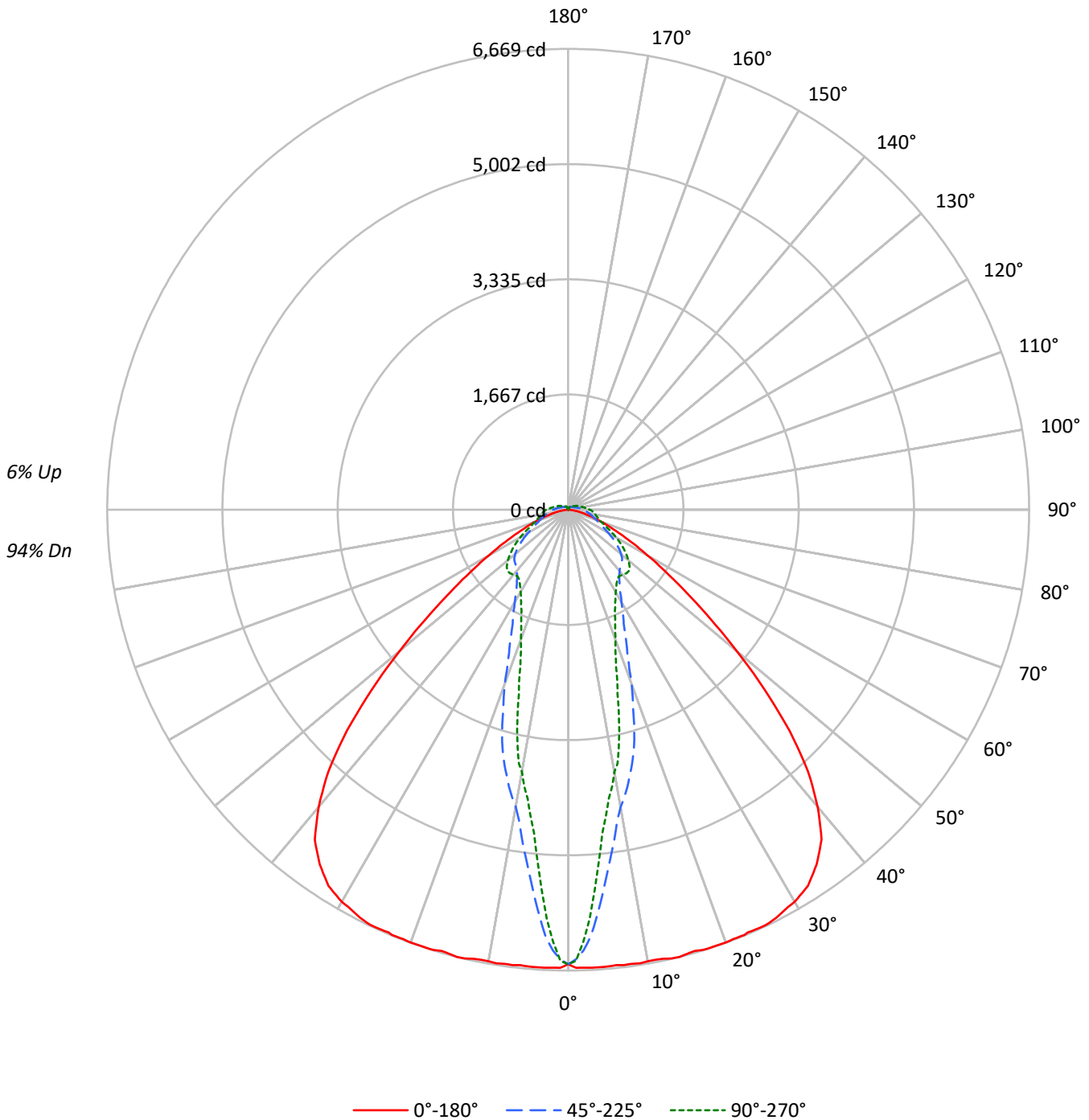
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8108.0 lumens
Efficiency: N/A
Efficacy: 136.0 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): 59.6
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	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°	35400	35400	35400
5°	35785	29112	26026
10°	36132	22002	18836
15°	36860	18005	13043
20°	37885	13042	9212
25°	39149	9353	7247
30°	40238	7481	6172
35°	40577	6334	5528
40°	38791	5764	5541
45°	33769	5575	5692
50°	26003	5309	5312
55°	18931	4648	4713
60°	13813	3885	3985
65°	10130	3290	3267
70°	7545	2911	2817
75°	5453	2702	2625
80°	3687	2537	2586
85°	1865	2426	2590



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	517.3	6.4
10°-20°	1123.3	13.9
20°-30°	1285.8	15.9
30°-40°	1288.1	15.9
40°-50°	1219.3	15.0
50°-60°	935.1	11.5
60°-70°	602.7	7.4
70°-80°	384.4	4.7
80°-90°	255.2	3.1
90°-100°	171.6	2.1
100°-110°	113.1	1.4
110°-120°	78.6	1.0
120°-130°	54.9	0.7
130°-140°	38.1	0.5
140°-150°	23.3	0.3
150°-160°	11.8	0.1
160°-170°	4.6	0.1
170°-180°	0.9	0.0
0°-30°	2926.3	36.1
0°-40°	4214.4	52.0
0°-60°	6368.8	78.5
0°-90°	7611.2	93.9
90°-120°	363.3	4.5
90°-150°	479.5	5.9
90°-180°	497.0	6.1
0°-180°	8108.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6578	6578	6578	6578	6578	
5°	6636	6270	5618	5240	5098	634
15°	6652	4791	3652	3000	2759	1887
25°	6657	3391	1932	1679	1600	3069
35°	6266	1886	1292	1251	1234	3888
45°	4529	1192	1089	1205	1246	3444
55°	2078	852	839	943	981	1910
65°	831	536	528	602	623	855
75°	283	291	366	420	440	311
85°	37	133	258	337	362	51
90°	0	91	216	299	312	2
95°	0	66	179	245	258	0
105°	0	50	116	166	179	3
115°	4	42	87	120	129	4
125°	4	37	75	87	91	4
135°	4	29	58	71	75	3
145°	4	21	42	54	58	3
155°	4	12	25	37	42	2
165°	8	8	17	21	25	2
175°	8	8	8	8	4	1
180°	8	8	8	8	8	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6577.6	6577.6	6577.6	6577.6	6577.6
1°	6631.6	6594.2	6507.0	6531.9	6527.7
2°	6631.6	6552.7	6382.3	6332.4	6257.7
3°	6635.8	6482.0	6191.2	6029.1	5925.2
4°	6635.8	6378.2	5908.6	5638.5	5505.6
5°	6635.8	6270.1	5617.8	5239.6	5098.4
6°	6627.5	6141.3	5322.7	4923.9	4711.9
7°	6639.9	6000.0	5056.8	4628.8	4462.6
8°	6635.8	5833.8	4811.7	4404.5	4221.6
9°	6648.2	5671.8	4545.7	4192.5	4055.4
10°	6635.8	5522.2	4371.2	3993.1	3851.8
11°	6635.8	5376.8	4246.6	3864.3	3743.8
12°	6644.1	5210.6	4109.4	3681.5	3515.3
13°	6664.9	5040.2	3951.5	3482.0	3286.7
14°	6669.0	4911.4	3806.1	3228.6	3024.9
15°	6652.4	4790.9	3652.4	3000.0	2759.0
16°	6644.1	4666.2	3469.6	2784.0	2567.9
17°	6660.7	4520.8	3261.8	2563.7	2364.3
18°	6664.9	4387.8	3041.6	2397.5	2223.0
19°	6664.9	4284.0	2862.9	2243.8	2094.2
20°	6664.9	4184.2	2680.1	2127.4	1998.6
21°	6656.6	4059.6	2472.3	2006.9	1898.9
22.5°	6660.7	3826.9	2235.5	1865.7	1778.4
23°	6648.2	3768.7	2177.3	1828.3	1736.9
24°	6652.4	3602.5	2052.6	1753.5	1666.2
25°	6656.6	3390.6	1932.1	1678.7	1599.7
26°	6648.2	3220.2	1832.4	1608.0	1554.0
27°	6627.5	3083.1	1761.8	1549.9	1500.0
28°	6598.4	2900.3	1687.0	1500.0	1454.3
29°	6569.3	2692.5	1612.2	1446.0	1412.8
30°	6552.7	2526.3	1541.6	1404.4	1375.4
32.5°	6452.9	2198.1	1396.1	1321.3	1296.4
35°	6266.0	1886.4	1292.3	1250.7	1234.1
37.5°	6020.8	1645.4	1213.3	1205.0	1209.1
40°	5617.8	1454.3	1155.1	1192.5	1229.9
42.5°	5135.8	1304.7	1113.6	1205.0	1246.5
45°	4529.1	1192.5	1088.6	1205.0	1246.5
47.5°	3856.0	1101.1	1059.6	1163.4	1205.0
50°	3182.8	1018.0	1001.4	1101.1	1138.5
52.5°	2588.7	939.1	926.6	1022.2	1059.6
55°	2077.6	851.8	839.3	943.2	980.6
57.5°	1666.2	768.7	756.2	851.8	889.2
60°	1329.6	685.6	664.8	760.4	797.8
62.5°	1059.6	606.7	594.2	677.3	710.5
65°	831.0	536.0	527.7	602.5	623.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	656.5	469.5	473.7	536.0	560.9
70°	506.9	407.2	432.1	490.3	506.9
72.5°	382.3	344.9	398.9	448.8	469.5
75°	282.6	290.9	365.7	419.7	440.4
77.5°	195.3	241.0	336.6	394.7	415.5
80°	133.0	195.3	307.5	374.0	398.9
82.5°	78.9	162.1	282.6	353.2	382.3
85°	37.4	133.0	257.6	336.6	361.5
87.5°	12.5	108.0	232.7	319.9	340.7
90°	0.0	91.4	216.1	299.2	311.6
92.5°	0.0	78.9	195.3	274.2	282.6
95°	0.0	66.5	178.7	245.2	257.6
97.5°	0.0	62.3	166.2	220.2	236.8
100°	0.0	58.2	149.6	199.4	216.1
102.5°	0.0	49.9	133.0	178.7	195.3
105°	0.0	49.9	116.3	166.2	178.7
107.5°	4.2	45.7	108.0	149.6	166.2
110°	4.2	45.7	95.6	141.3	153.7
112.5°	4.2	45.7	91.4	128.8	145.4
115°	4.2	41.6	87.3	120.5	128.8
117.5°	4.2	41.6	83.1	108.0	116.3
120°	4.2	37.4	78.9	99.7	103.9
122.5°	4.2	37.4	74.8	91.4	95.6
125°	4.2	37.4	74.8	87.3	91.4
127.5°	4.2	33.2	70.6	83.1	83.1
130°	4.2	33.2	66.5	78.9	78.9
132.5°	4.2	29.1	62.3	74.8	78.9
135°	4.2	29.1	58.2	70.6	74.8
137.5°	4.2	24.9	54.0	66.5	70.6
140°	4.2	24.9	49.9	62.3	66.5
142.5°	4.2	20.8	45.7	58.2	62.3
145°	4.2	20.8	41.6	54.0	58.2
147.5°	4.2	20.8	37.4	49.9	54.0
150°	4.2	16.6	33.2	45.7	49.9
152.5°	4.2	16.6	29.1	41.6	45.7
155°	4.2	12.5	24.9	37.4	41.6
157.5°	4.2	12.5	24.9	33.2	37.4
160°	8.3	12.5	20.8	29.1	33.2
162.5°	4.2	8.3	20.8	24.9	29.1
165°	8.3	8.3	16.6	20.8	24.9
167.5°	8.3	8.3	12.5	16.6	20.8
170°	8.3	8.3	12.5	12.5	16.6
172.5°	8.3	8.3	8.3	12.5	8.3
175°	8.3	8.3	8.3	8.3	4.2
177.5°	8.3	8.3	8.3	8.3	4.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	8.3	8.3	8.3	8.3	8.3

(END OF REPORT)