

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: P568180

Luminaire Tested: **8SNX-SL3-LC-UNV-CC83-CD-3500K-HI**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568180
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-SL3-LC-UNV-CC83-CD-3500K-HI
Description: 8FT 12000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 3500K, 80CRI, HI LUMEN SETTING, AND LC LENS
Light Source: -
Ballast/Driver: -

Summary

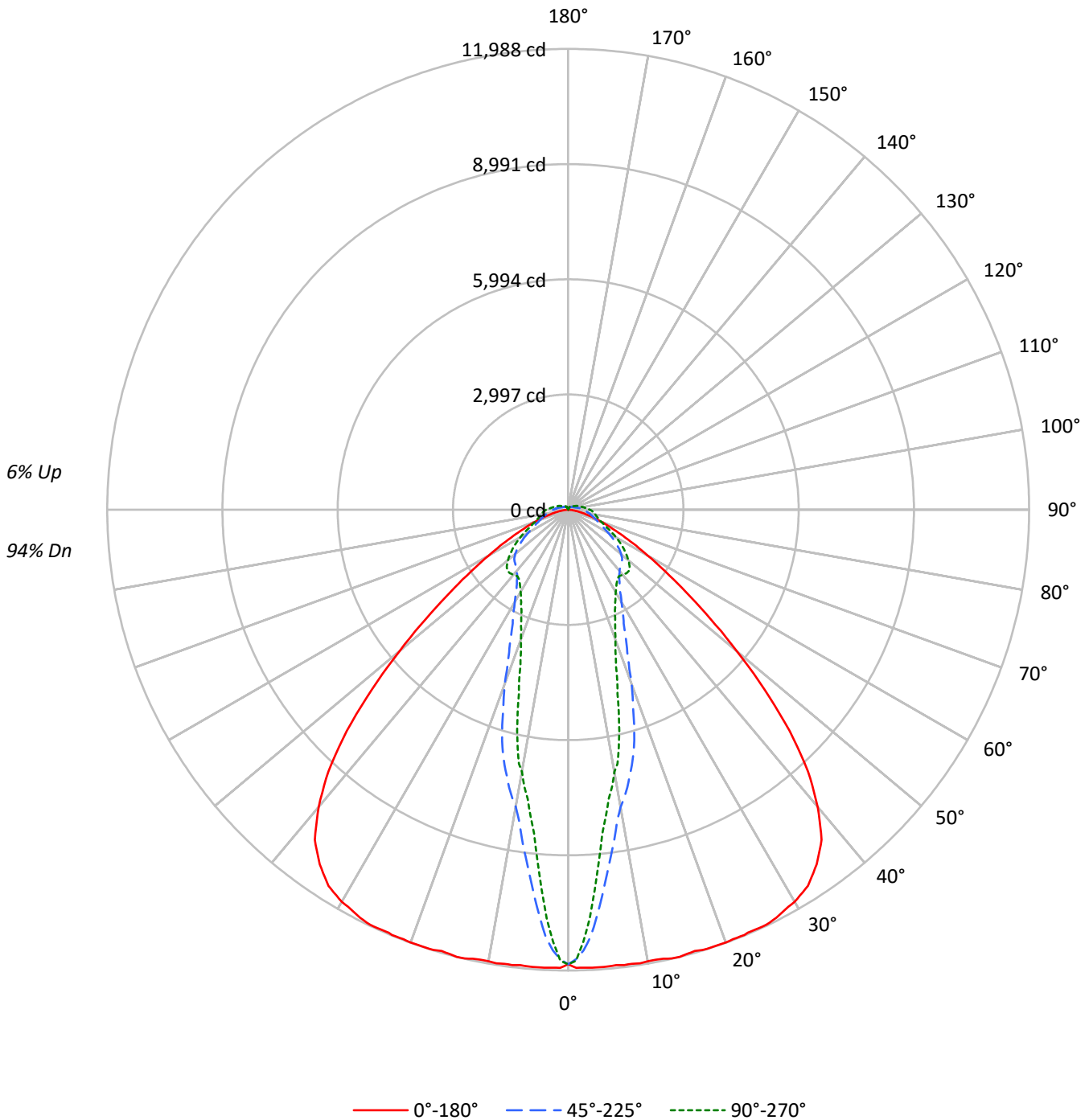
Lumens per Lamp: N/A
Luminaire Lumens: 14575.0 lumens
Efficiency: N/A
Efficacy: 143.7 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 101.4
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	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°	63636	63636	63636
5°	64327	52332	46785
10°	64950	39552	33860
15°	66260	32366	23446
20°	68102	23444	16559
25°	70374	16814	13027
30°	72332	13447	11094
35°	72940	11386	9937
40°	69730	10362	9961
45°	60703	10023	10233
50°	46745	9543	9549
55°	34031	8356	8473
60°	24832	6984	7164
65°	18211	5914	5872
70°	13564	5233	5064
75°	9799	4857	4720
80°	6625	4559	4649
85°	3352	4361	4655



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	929.9	6.4
10°-20°	2019.2	13.9
20°-30°	2311.3	15.9
30°-40°	2315.4	15.9
40°-50°	2191.9	15.0
50°-60°	1681.0	11.5
60°-70°	1083.5	7.4
70°-80°	691.0	4.7
80°-90°	458.8	3.1
90°-100°	308.4	2.1
100°-110°	203.2	1.4
110°-120°	141.4	1.0
120°-130°	98.6	0.7
130°-140°	68.5	0.5
140°-150°	41.9	0.3
150°-160°	21.3	0.1
160°-170°	8.2	0.1
170°-180°	1.6	0.0
0°-30°	5260.4	36.1
0°-40°	7575.8	52.0
0°-60°	11448.7	78.6
0°-90°	13682.0	93.9
90°-120°	653.0	4.5
90°-150°	862.0	5.9
90°-180°	893.0	6.1
0°-180°	14575.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11824	11824	11824	11824	11824	
5°	11928	11271	10098	9419	9165	###
15°	11958	8612	6566	5393	4960	3392
25°	11966	6095	3473	3018	2876	5516
35°	11264	3391	2323	2248	2218	6989
45°	8142	2144	1957	2166	2241	6190
55°	3735	1531	1509	1696	1763	3434
65°	1494	964	949	1083	1120	1537
75°	508	523	657	754	792	558
85°	67	239	463	605	650	92
90°	0	164	388	538	560	3
95°	0	120	321	441	463	0
105°	0	90	209	299	321	5
115°	8	75	157	217	232	7
125°	8	67	134	157	164	7
135°	8	52	105	127	134	6
145°	8	37	75	97	105	5
155°	8	22	45	67	75	4
165°	15	15	30	37	45	4
175°	15	15	15	15	8	1
180°	15	15	15	15	15	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11823.9	11823.9	11823.9	11823.9	11823.9
1°	11921.0	11853.8	11697.0	11741.8	11734.3
2°	11921.0	11779.1	11472.9	11383.3	11248.8
3°	11928.5	11652.2	11129.3	10838.0	10651.3
4°	11928.5	11465.4	10621.4	10135.9	9896.9
5°	11928.5	11271.2	10098.5	9418.8	9164.9
6°	11913.6	11039.7	9568.2	8851.2	8470.2
7°	11936.0	10785.7	9090.2	8320.8	8022.1
8°	11928.5	10486.9	8649.5	7917.5	7588.8
9°	11950.9	10195.6	8171.4	7536.6	7290.1
10°	11928.5	9926.7	7857.7	7178.0	6924.1
11°	11928.5	9665.3	7633.7	6946.5	6729.9
12°	11943.5	9366.5	7387.2	6617.8	6319.1
13°	11980.8	9060.3	7103.3	6259.3	5908.2
14°	11988.3	8828.7	6841.9	5803.7	5437.7
15°	11958.4	8612.1	6565.5	5392.9	4959.6
16°	11943.5	8388.1	6236.9	5004.5	4616.0
17°	11973.3	8126.6	5863.4	4608.6	4250.0
18°	11980.8	7887.6	5467.5	4309.8	3996.1
19°	11980.8	7700.9	5146.4	4033.4	3764.5
20°	11980.8	7521.6	4817.7	3824.3	3592.7
21°	11965.9	7297.5	4444.3	3607.7	3413.5
22.5°	11973.3	6879.3	4018.5	3353.7	3196.9
23°	11950.9	6774.7	3913.9	3286.5	3122.2
24°	11958.4	6475.9	3689.8	3152.1	2995.2
25°	11965.9	6095.0	3473.2	3017.6	2875.7
26°	11950.9	5788.7	3294.0	2890.6	2793.5
27°	11913.6	5542.2	3167.0	2786.1	2696.4
28°	11861.3	5213.6	3032.5	2696.4	2614.3
29°	11809.0	4840.1	2898.1	2599.3	2539.6
30°	11779.1	4541.4	2771.1	2524.6	2472.3
32.5°	11599.9	3951.3	2509.7	2375.2	2330.4
35°	11263.7	3391.1	2323.0	2248.3	2218.4
37.5°	10823.1	2957.9	2181.0	2166.1	2173.6
40°	10098.5	2614.3	2076.5	2143.7	2210.9
42.5°	9232.1	2345.4	2001.8	2166.1	2240.8
45°	8141.6	2143.7	1957.0	2166.1	2240.8
47.5°	6931.5	1979.4	1904.7	2091.4	2166.1
50°	5721.5	1830.0	1800.1	1979.4	2046.6
52.5°	4653.4	1688.1	1665.7	1837.5	1904.7
55°	3734.7	1531.2	1508.8	1695.5	1762.8
57.5°	2995.2	1381.8	1359.4	1531.2	1598.4
60°	2390.2	1232.4	1195.1	1366.9	1434.1
62.5°	1904.7	1090.5	1068.1	1217.5	1277.3
65°	1493.9	963.5	948.6	1083.1	1120.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	1180.2	844.0	851.5	963.5	1008.4
70°	911.3	732.0	776.8	881.4	911.3
72.5°	687.2	620.0	717.1	806.7	844.0
75°	507.9	522.9	657.3	754.4	791.7
77.5°	351.1	433.2	605.0	709.6	746.9
80°	239.0	351.1	552.7	672.2	717.1
82.5°	141.9	291.3	507.9	634.9	687.2
85°	67.2	239.0	463.1	605.0	649.8
87.5°	22.4	194.2	418.3	575.1	612.5
90°	0.0	164.3	388.4	537.8	560.2
92.5°	0.0	141.9	351.1	493.0	507.9
95°	0.0	119.5	321.2	440.7	463.1
97.5°	0.0	112.0	298.8	395.9	425.8
100°	0.0	104.6	268.9	358.5	388.4
102.5°	0.0	89.6	239.0	321.2	351.1
105°	0.0	89.6	209.1	298.8	321.2
107.5°	7.5	82.2	194.2	268.9	298.8
110°	7.5	82.2	171.8	254.0	276.4
112.5°	7.5	82.2	164.3	231.5	261.4
115°	7.5	74.7	156.9	216.6	231.5
117.5°	7.5	74.7	149.4	194.2	209.1
120°	7.5	67.2	141.9	179.3	186.7
122.5°	7.5	67.2	134.4	164.3	171.8
125°	7.5	67.2	134.4	156.9	164.3
127.5°	7.5	59.8	127.0	149.4	149.4
130°	7.5	59.8	119.5	141.9	141.9
132.5°	7.5	52.3	112.0	134.4	141.9
135°	7.5	52.3	104.6	127.0	134.4
137.5°	7.5	44.8	97.1	119.5	127.0
140°	7.5	44.8	89.6	112.0	119.5
142.5°	7.5	37.3	82.2	104.6	112.0
145°	7.5	37.3	74.7	97.1	104.6
147.5°	7.5	37.3	67.2	89.6	97.1
150°	7.5	29.9	59.8	82.2	89.6
152.5°	7.5	29.9	52.3	74.7	82.2
155°	7.5	22.4	44.8	67.2	74.7
157.5°	7.5	22.4	44.8	59.8	67.2
160°	14.9	22.4	37.3	52.3	59.8
162.5°	7.5	14.9	37.3	44.8	52.3
165°	14.9	14.9	29.9	37.3	44.8
167.5°	14.9	14.9	22.4	29.9	37.3
170°	14.9	14.9	22.4	22.4	29.9
172.5°	14.9	14.9	14.9	22.4	14.9
175°	14.9	14.9	14.9	14.9	7.5
177.5°	14.9	14.9	14.9	14.9	7.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	14.9	14.9	14.9	14.9	14.9

(END OF REPORT)