

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: P568190

Luminaire Tested: **8SNX-SL3-LC-UNV-CC93-CD-3500K-LOW**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P568190  
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-CC93-CD-3500K-LOW  
Description: 8FT 12000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 3500K, 90CRI, LOW LUMEN SETTING, AND LC LENS  
Light Source: -  
Ballast/Driver: -

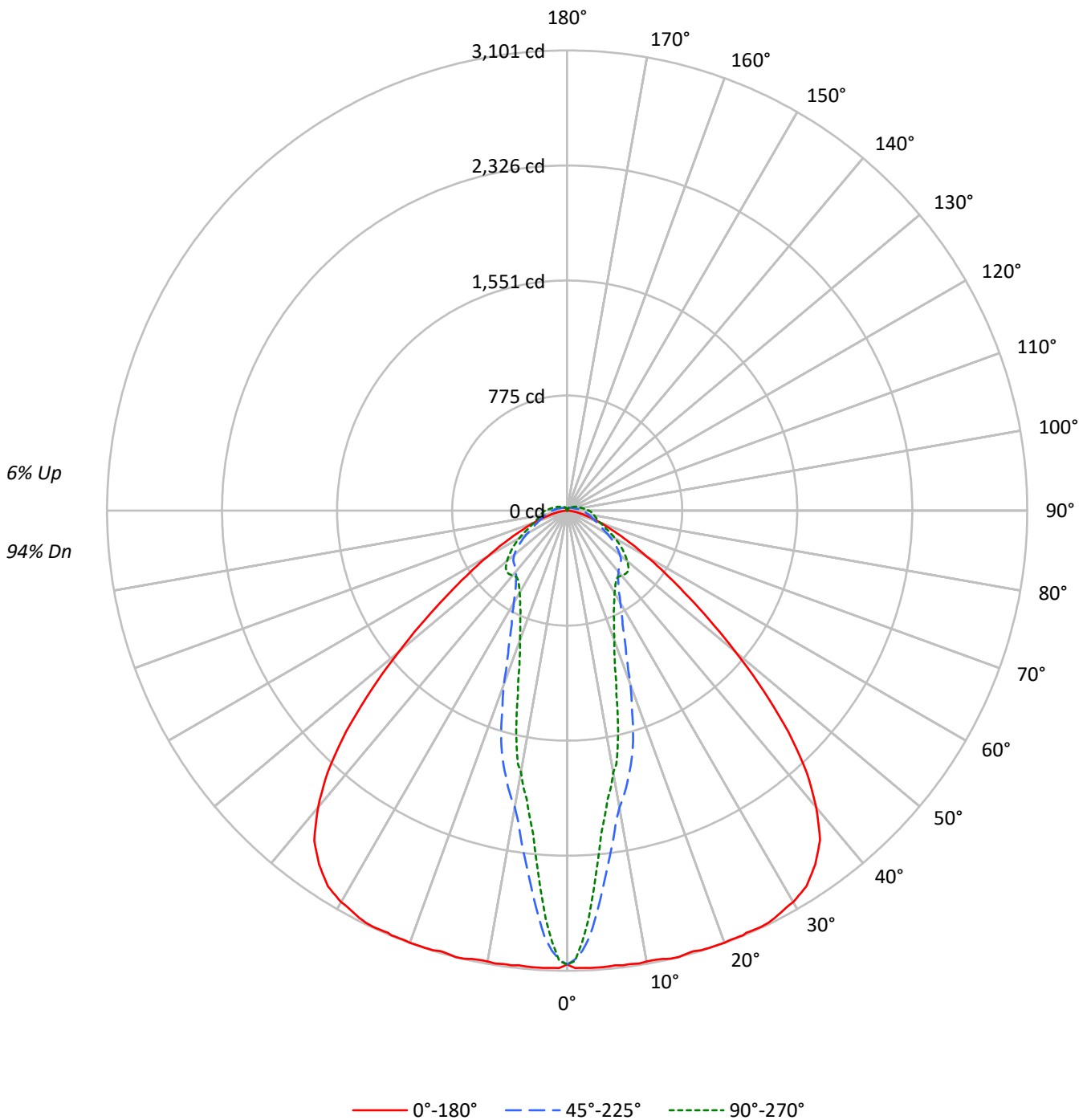
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3770.0 lumens  
Efficiency: N/A  
Efficacy: 112.7 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): 33.462  
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°	16460	16460	16460
5°	16639	13536	12101
10°	16800	10231	8758
15°	17139	8372	6065
20°	17616	6064	4283
25°	18203	4349	3369
30°	18709	3478	2870
35°	18867	2945	2570
40°	18036	2680	2577
45°	15701	2592	2647
50°	12091	2468	2470
55°	8802	2162	2192
60°	6424	1806	1853
65°	4710	1530	1519
70°	3508	1353	1310
75°	2535	1256	1221
80°	1713	1180	1203
85°	868	1128	1204



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	240.5	6.4
10°-20°	522.3	13.9
20°-30°	597.8	15.9
30°-40°	598.9	15.9
40°-50°	567.0	15.0
50°-60°	434.8	11.5
60°-70°	280.3	7.4
70°-80°	178.7	4.7
80°-90°	118.7	3.1
90°-100°	79.8	2.1
100°-110°	52.6	1.4
110°-120°	36.6	1.0
120°-130°	25.5	0.7
130°-140°	17.7	0.5
140°-150°	10.8	0.3
150°-160°	5.5	0.1
160°-170°	2.1	0.1
170°-180°	0.4	0.0
0°-30°	1360.7	36.1
0°-40°	1959.6	52.0
0°-60°	2961.4	78.6
0°-90°	3539.0	93.9
90°-120°	168.9	4.5
90°-150°	223.0	5.9
90°-180°	231.0	6.1
0°-180°	3770.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3058	3058	3058	3058	3058	
5°	3086	2915	2612	2436	2371	295
15°	3093	2228	1698	1395	1283	877
25°	3095	1576	898	780	744	1427
35°	2914	877	601	582	574	1808
45°	2106	554	506	560	580	1601
55°	966	396	390	439	456	888
65°	386	249	245	280	290	397
75°	131	135	170	195	205	144
85°	17	62	120	156	168	24
90°	0	42	100	139	145	1
95°	0	31	83	114	120	0
105°	0	23	54	77	83	1
115°	2	19	41	56	60	2
125°	2	17	35	41	42	2
135°	2	14	27	33	35	1
145°	2	10	19	25	27	1
155°	2	6	12	17	19	1
165°	4	4	8	10	12	1
175°	4	4	4	4	2	0
180°	4	4	4	4	4	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3058.4	3058.4	3058.4	3058.4	3058.4
1°	3083.5	3066.1	3025.6	3037.2	3035.2
2°	3083.5	3046.8	2967.6	2944.4	2909.6
3°	3085.5	3014.0	2878.7	2803.4	2755.1
4°	3085.5	2965.7	2747.3	2621.8	2559.9
5°	3085.5	2915.4	2612.1	2436.3	2370.6
6°	3081.6	2855.5	2474.9	2289.5	2190.9
7°	3087.4	2789.9	2351.3	2152.3	2075.0
8°	3085.5	2712.6	2237.3	2048.0	1962.9
9°	3091.3	2637.2	2113.6	1949.4	1885.7
10°	3085.5	2567.7	2032.5	1856.7	1791.0
11°	3085.5	2500.0	1974.5	1796.8	1740.8
12°	3089.3	2422.8	1910.8	1711.8	1634.5
13°	3099.0	2343.6	1837.4	1619.0	1528.2
14°	3100.9	2283.7	1769.7	1501.2	1406.5
15°	3093.2	2227.6	1698.3	1394.9	1282.9
16°	3089.3	2169.7	1613.2	1294.5	1194.0
17°	3097.0	2102.1	1516.6	1192.1	1099.3
18°	3099.0	2040.2	1414.2	1114.8	1033.6
19°	3099.0	1991.9	1331.2	1043.3	973.7
20°	3099.0	1945.6	1246.2	989.2	929.3
21°	3095.1	1887.6	1149.6	933.2	882.9
22.5°	3097.0	1779.4	1039.4	867.5	826.9
23°	3091.3	1752.4	1012.4	850.1	807.6
24°	3093.2	1675.1	954.4	815.3	774.7
25°	3095.1	1576.5	898.4	780.5	743.8
26°	3091.3	1497.3	852.0	747.7	722.6
27°	3081.6	1433.6	819.2	720.6	697.5
28°	3068.1	1348.6	784.4	697.5	676.2
29°	3054.5	1252.0	749.6	672.3	656.9
30°	3046.8	1174.7	716.8	653.0	639.5
32.5°	3000.4	1022.0	649.2	614.4	602.8
35°	2913.5	877.1	600.9	581.5	573.8
37.5°	2799.5	765.1	564.2	560.3	562.2
40°	2612.1	676.2	537.1	554.5	571.9
42.5°	2388.0	606.7	517.8	560.3	579.6
45°	2105.9	554.5	506.2	560.3	579.6
47.5°	1792.9	512.0	492.7	541.0	560.3
50°	1479.9	473.3	465.6	512.0	529.4
52.5°	1203.7	436.6	430.8	475.3	492.7
55°	966.0	396.1	390.3	438.6	456.0
57.5°	774.7	357.4	351.6	396.1	413.5
60°	618.3	318.8	309.1	353.6	371.0
62.5°	492.7	282.1	276.3	314.9	330.4
65°	386.4	249.2	245.4	280.1	289.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	305.3	218.3	220.3	249.2	260.8
70°	235.7	189.3	200.9	228.0	235.7
72.5°	177.7	160.4	185.5	208.7	218.3
75°	131.4	135.2	170.0	195.1	204.8
77.5°	90.8	112.1	156.5	183.5	193.2
80°	61.8	90.8	143.0	173.9	185.5
82.5°	36.7	75.3	131.4	164.2	177.7
85°	17.4	61.8	119.8	156.5	168.1
87.5°	5.8	50.2	108.2	148.8	158.4
90°	0.0	42.5	100.5	139.1	144.9
92.5°	0.0	36.7	90.8	127.5	131.4
95°	0.0	30.9	83.1	114.0	119.8
97.5°	0.0	29.0	77.3	102.4	110.1
100°	0.0	27.0	69.6	92.7	100.5
102.5°	0.0	23.2	61.8	83.1	90.8
105°	0.0	23.2	54.1	77.3	83.1
107.5°	1.9	21.3	50.2	69.6	77.3
110°	1.9	21.3	44.4	65.7	71.5
112.5°	1.9	21.3	42.5	59.9	67.6
115°	1.9	19.3	40.6	56.0	59.9
117.5°	1.9	19.3	38.6	50.2	54.1
120°	1.9	17.4	36.7	46.4	48.3
122.5°	1.9	17.4	34.8	42.5	44.4
125°	1.9	17.4	34.8	40.6	42.5
127.5°	1.9	15.5	32.8	38.6	38.6
130°	1.9	15.5	30.9	36.7	36.7
132.5°	1.9	13.5	29.0	34.8	36.7
135°	1.9	13.5	27.0	32.8	34.8
137.5°	1.9	11.6	25.1	30.9	32.8
140°	1.9	11.6	23.2	29.0	30.9
142.5°	1.9	9.7	21.3	27.0	29.0
145°	1.9	9.7	19.3	25.1	27.0
147.5°	1.9	9.7	17.4	23.2	25.1
150°	1.9	7.7	15.5	21.3	23.2
152.5°	1.9	7.7	13.5	19.3	21.3
155°	1.9	5.8	11.6	17.4	19.3
157.5°	1.9	5.8	11.6	15.5	17.4
160°	3.9	5.8	9.7	13.5	15.5
162.5°	1.9	3.9	9.7	11.6	13.5
165°	3.9	3.9	7.7	9.7	11.6
167.5°	3.9	3.9	5.8	7.7	9.7
170°	3.9	3.9	5.8	5.8	7.7
172.5°	3.9	3.9	3.9	5.8	3.9
175°	3.9	3.9	3.9	3.9	1.9
177.5°	3.9	3.9	3.9	3.9	1.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	3.9	3.9	3.9	3.9	3.9

(END OF REPORT)