

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: P568182

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

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P568182  
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-MED  
Description: 8FT 12000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 3500K, 80CRI, MED LUMEN SETTING, AND LC LENS  
Light Source: -  
Ballast/Driver: -

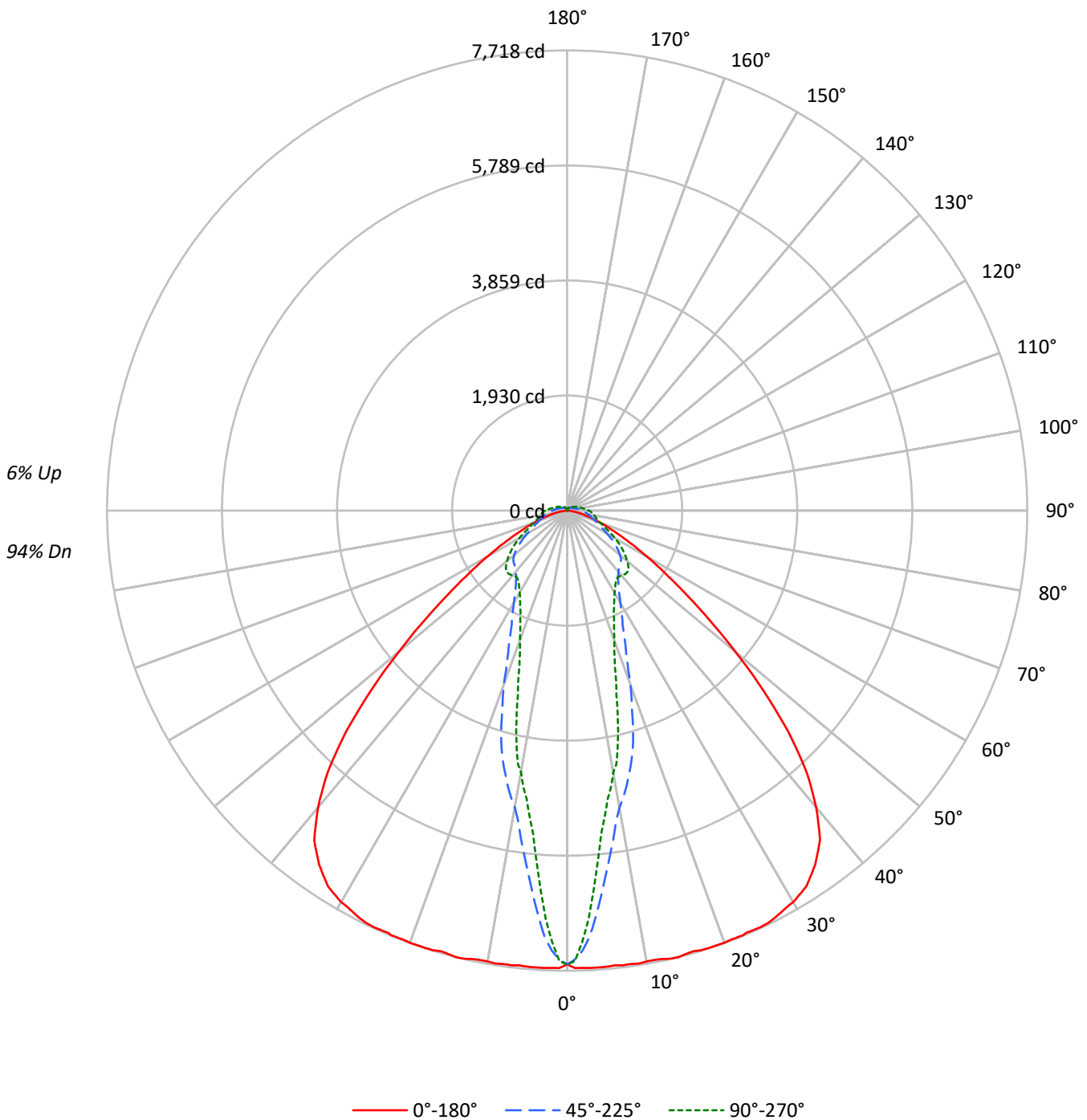
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9383.0 lumens  
Efficiency: N/A  
Efficacy: 140.2 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): 66.924  
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

TEST NUMBER: P568182

CATALOG NUMBER: 8SNX-SL3-LC-UNV-CC83-CD-3500K-MED

### 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°	40967	40967	40967
5°	41412	33690	30119
10°	41814	25463	21798
15°	42656	20836	15094
20°	43842	15093	10660
25°	45305	10824	8386
30°	46565	8657	7142
35°	46957	7330	6397
40°	44890	6671	6412
45°	39079	6452	6588
50°	30093	6144	6147
55°	21908	5379	5455
60°	15986	4496	4612
65°	11723	3808	3781
70°	8731	3369	3260
75°	6309	3127	3039
80°	4266	2935	2992
85°	2160	2808	2997



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	598.6	6.4
10°-20°	1299.9	13.9
20°-30°	1488.0	15.9
30°-40°	1490.6	15.9
40°-50°	1411.1	15.0
50°-60°	1082.2	11.5
60°-70°	697.5	7.4
70°-80°	444.8	4.7
80°-90°	295.4	3.1
90°-100°	198.6	2.1
100°-110°	130.8	1.4
110°-120°	91.0	1.0
120°-130°	63.5	0.7
130°-140°	44.1	0.5
140°-150°	27.0	0.3
150°-160°	13.7	0.1
160°-170°	5.3	0.1
170°-180°	1.0	0.0
0°-30°	3386.5	36.1
0°-40°	4877.1	52.0
0°-60°	7370.4	78.6
0°-90°	8808.1	93.9
90°-120°	420.4	4.5
90°-150°	554.9	5.9
90°-180°	575.0	6.1
0°-180°	9383.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	7612	7612	7612	7612	7612	
5°	7679	7256	6501	6064	5900	733
15°	7698	5544	4227	3472	3193	2184
25°	7703	3924	2236	1943	1851	3551
35°	7251	2183	1496	1447	1428	4499
45°	5241	1380	1260	1394	1443	3985
55°	2404	986	971	1092	1135	2211
65°	962	620	611	697	721	989
75°	327	337	423	486	510	360
85°	43	154	298	390	418	59
90°	0	106	250	346	361	2
95°	0	77	207	284	298	0
105°	0	58	135	192	207	3
115°	5	48	101	139	149	5
125°	5	43	87	101	106	4
135°	5	34	67	82	87	4
145°	5	24	48	62	67	3
155°	5	14	29	43	48	2
165°	10	10	19	24	29	2
175°	10	10	10	10	5	1
180°	10	10	10	10	10	



TEST NUMBER: P568182

CATALOG NUMBER: 8SNX-SL3-LC-UNV-CC83-CD-3500K-MED

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	7611.9	7611.9	7611.9	7611.9	7611.9
1°	7674.5	7631.2	7530.2	7559.1	7554.2
2°	7674.5	7583.1	7385.9	7328.2	7241.7
3°	7679.3	7501.3	7164.7	6977.2	6857.0
4°	7679.3	7381.1	6837.8	6525.2	6371.3
5°	7679.3	7256.1	6501.2	6063.6	5900.1
6°	7669.6	7107.0	6159.8	5698.1	5452.9
7°	7684.1	6943.6	5852.0	5356.7	5164.4
8°	7679.3	6751.2	5568.3	5097.1	4885.5
9°	7693.7	6563.7	5260.6	4851.8	4693.2
10°	7679.3	6390.6	5058.6	4621.0	4457.5
11°	7679.3	6222.3	4914.3	4472.0	4332.5
12°	7688.9	6029.9	4755.7	4260.4	4068.0
13°	7712.9	5832.8	4572.9	4029.6	3803.6
14°	7717.7	5683.7	4404.6	3736.2	3500.6
15°	7698.5	5544.3	4226.7	3471.8	3192.9
16°	7688.9	5400.0	4015.1	3221.7	2971.7
17°	7708.1	5231.7	3774.7	2966.9	2736.1
18°	7712.9	5077.8	3519.9	2774.5	2572.6
19°	7712.9	4957.6	3313.1	2596.6	2423.5
20°	7712.9	4842.2	3101.5	2462.0	2312.9
21°	7703.3	4698.0	2861.1	2322.5	2197.5
22.5°	7708.1	4428.7	2587.0	2159.0	2058.1
23°	7693.7	4361.4	2519.7	2115.8	2010.0
24°	7698.5	4169.0	2375.4	2029.2	1928.2
25°	7703.3	3923.8	2236.0	1942.7	1851.3
26°	7693.7	3726.6	2120.6	1860.9	1798.4
27°	7669.6	3567.9	2038.8	1793.6	1735.9
28°	7636.0	3356.4	1952.3	1735.9	1683.0
29°	7602.3	3115.9	1865.7	1673.4	1634.9
30°	7583.1	2923.6	1784.0	1625.3	1591.6
32.5°	7467.7	2543.7	1615.7	1529.1	1500.3
35°	7251.3	2183.1	1495.5	1447.4	1428.1
37.5°	6967.6	1904.2	1404.1	1394.5	1399.3
40°	6501.2	1683.0	1336.8	1380.1	1423.3
42.5°	5943.4	1509.9	1288.7	1394.5	1442.6
45°	5241.3	1380.1	1259.8	1394.5	1442.6
47.5°	4462.3	1274.3	1226.2	1346.4	1394.5
50°	3683.4	1178.1	1158.9	1274.3	1317.5
52.5°	2995.7	1086.7	1072.3	1182.9	1226.2
55°	2404.3	985.8	971.3	1091.5	1134.8
57.5°	1928.2	889.6	875.2	985.8	1029.0
60°	1538.7	793.4	769.4	880.0	923.2
62.5°	1226.2	702.0	687.6	783.8	822.3
65°	961.7	620.3	610.7	697.2	721.3



TEST NUMBER: P568182

CATALOG NUMBER: 8SNX-SL3-LC-UNV-CC83-CD-3500K-MED

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	759.8	543.4	548.2	620.3	649.2
70°	586.6	471.2	500.1	567.4	586.6
72.5°	442.4	399.1	461.6	519.3	543.4
75°	327.0	336.6	423.2	485.7	509.7
77.5°	226.0	278.9	389.5	456.8	480.9
80°	153.9	226.0	355.8	432.8	461.6
82.5°	91.4	187.5	327.0	408.7	442.4
85°	43.3	153.9	298.1	389.5	418.3
87.5°	14.4	125.0	269.3	370.3	394.3
90°	0.0	105.8	250.0	346.2	360.6
92.5°	0.0	91.4	226.0	317.4	327.0
95°	0.0	76.9	206.8	283.7	298.1
97.5°	0.0	72.1	192.3	254.9	274.1
100°	0.0	67.3	173.1	230.8	250.0
102.5°	0.0	57.7	153.9	206.8	226.0
105°	0.0	57.7	134.6	192.3	206.8
107.5°	4.8	52.9	125.0	173.1	192.3
110°	4.8	52.9	110.6	163.5	177.9
112.5°	4.8	52.9	105.8	149.1	168.3
115°	4.8	48.1	101.0	139.4	149.1
117.5°	4.8	48.1	96.2	125.0	134.6
120°	4.8	43.3	91.4	115.4	120.2
122.5°	4.8	43.3	86.6	105.8	110.6
125°	4.8	43.3	86.6	101.0	105.8
127.5°	4.8	38.5	81.7	96.2	96.2
130°	4.8	38.5	76.9	91.4	91.4
132.5°	4.8	33.7	72.1	86.6	91.4
135°	4.8	33.7	67.3	81.7	86.6
137.5°	4.8	28.9	62.5	76.9	81.7
140°	4.8	28.9	57.7	72.1	76.9
142.5°	4.8	24.0	52.9	67.3	72.1
145°	4.8	24.0	48.1	62.5	67.3
147.5°	4.8	24.0	43.3	57.7	62.5
150°	4.8	19.2	38.5	52.9	57.7
152.5°	4.8	19.2	33.7	48.1	52.9
155°	4.8	14.4	28.9	43.3	48.1
157.5°	4.8	14.4	28.9	38.5	43.3
160°	9.6	14.4	24.0	33.7	38.5
162.5°	4.8	9.6	24.0	28.9	33.7
165°	9.6	9.6	19.2	24.0	28.9
167.5°	9.6	9.6	14.4	19.2	24.0
170°	9.6	9.6	14.4	14.4	19.2
172.5°	9.6	9.6	9.6	14.4	9.6
175°	9.6	9.6	9.6	9.6	4.8
177.5°	9.6	9.6	9.6	9.6	4.8



TEST NUMBER: P568182

CATALOG NUMBER: 8SNX-SL3-LC-UNV-CC83-CD-3500K-MED

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	9.6	9.6	9.6	9.6	9.6

(END OF REPORT)