

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: P568200

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568200
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-6)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-SL3-LN-UNV-CC83-CD-3500K-MED
Description: 8FT 12000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 3500K, 80CRI, MED LUMEN SETTING, AND LN LENS
Light Source: -
Ballast/Driver: -

Summary

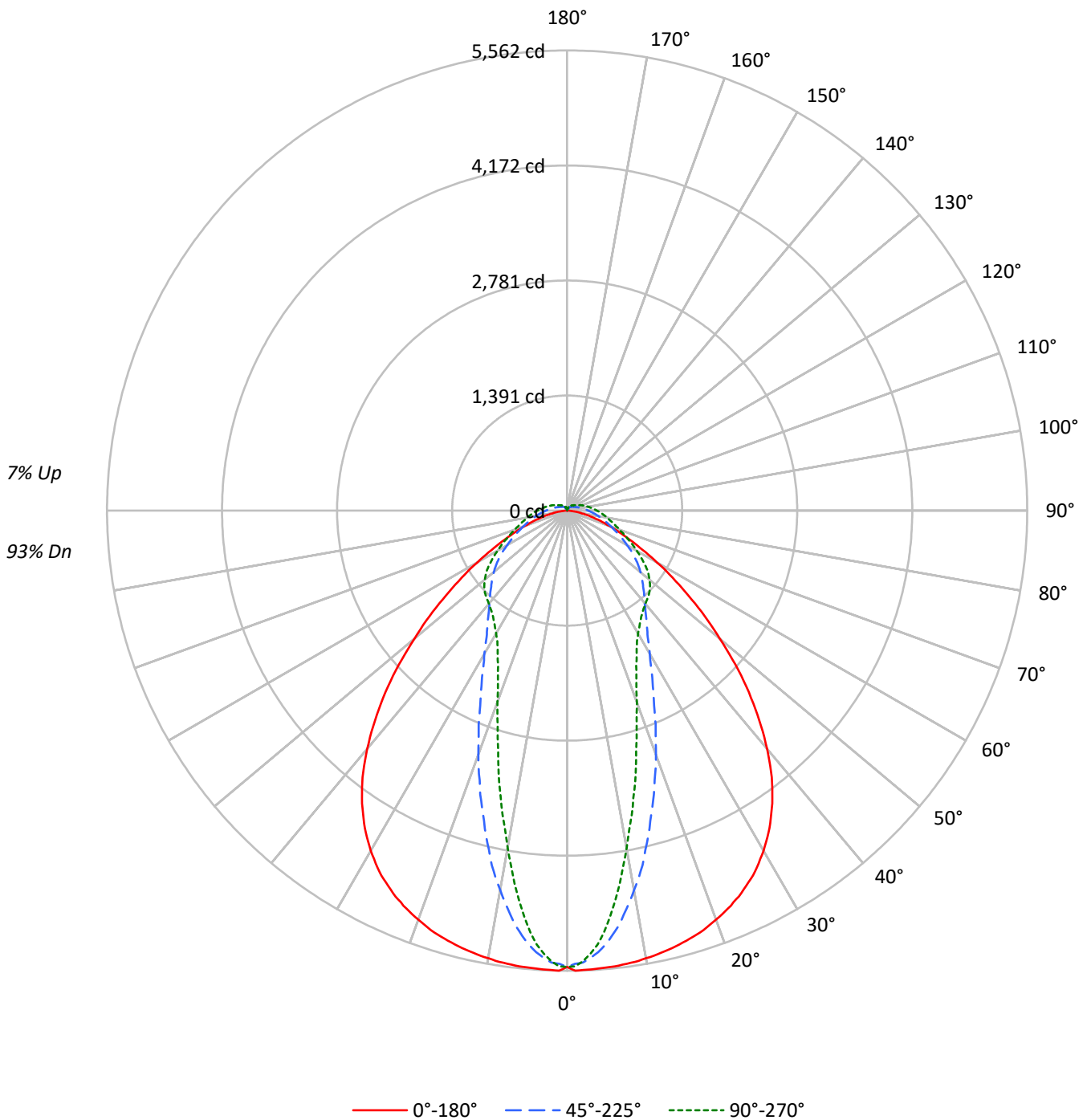
Lumens per Lamp: N/A
Luminaire Lumens: 8793.0 lumens
Efficiency: N/A
Efficacy: 131.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Direct

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

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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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93
1	107	103	99	95	104	100	96	93	94	91	88	89	87	85	85	83	81	78
2	99	91	84	79	95	88	82	77	84	79	75	79	75	72	76	72	69	67
3	91	81	73	67	88	79	72	66	75	69	64	71	66	62	68	64	60	58
4	84	73	64	58	81	71	63	57	67	61	56	64	59	54	62	57	53	51
5	78	66	57	51	75	64	56	51	61	55	49	59	53	48	56	51	47	45
6	72	60	51	45	70	59	51	45	56	49	44	54	48	43	52	46	42	40
7	67	55	47	41	65	54	46	41	52	45	40	50	44	39	48	42	38	36
8	63	51	43	37	61	50	42	37	48	41	36	46	40	36	44	39	35	33
9	59	47	39	34	58	46	39	34	44	38	33	43	37	33	41	36	32	30
10	56	44	36	31	54	43	36	31	41	35	31	40	34	30	39	34	30	28

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	29687	29687	29687
5°	29896	27320	26112
10°	29910	23451	20259
15°	29951	19151	15184
20°	29915	15271	11363
25°	29704	11979	9018
30°	29147	9705	7693
35°	27992	8222	6997
40°	25965	7267	6623
45°	23158	6655	6419
50°	19690	6132	6063
55°	16250	5564	5538
60°	13070	4901	4857
65°	10224	4309	4227
70°	8025	3819	3739
75°	6313	3439	3406
80°	4598	3155	3167
85°	2758	2952	3037



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	488.5	5.6
10°-20°	1145.0	13.0
20°-30°	1359.2	15.5
30°-40°	1367.5	15.6
40°-50°	1271.1	14.5
50°-60°	1046.7	11.9
60°-70°	737.5	8.4
70°-80°	481.8	5.5
80°-90°	307.6	3.5
90°-100°	201.7	2.3
100°-110°	137.0	1.6
110°-120°	93.9	1.1
120°-130°	64.9	0.7
130°-140°	43.7	0.5
140°-150°	26.9	0.3
150°-160°	14.0	0.2
160°-170°	5.0	0.1
170°-180°	0.9	0.0
0°-30°	2992.7	34.0
0°-40°	4360.1	49.6
0°-60°	6677.9	75.9
0°-90°	8204.9	93.3
90°-120°	432.6	4.9
90°-150°	568.2	6.5
90°-180°	588.0	6.7
0°-180°	8793.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5516	5516	5516	5516	5516	
5°	5544	5470	5272	5170	5115	528
15°	5406	4830	3885	3396	3212	1527
25°	5051	3733	2475	2078	1991	2324
35°	4323	2525	1677	1571	1562	2688
45°	3106	1664	1300	1369	1406	2384
55°	1783	1092	1005	1115	1152	1611
65°	839	659	691	779	806	851
75°	327	341	465	548	571	354
85°	55	157	313	406	424	70
90°	0	106	254	346	359	3
95°	0	78	212	290	304	0
105°	0	55	143	203	221	0
115°	5	46	101	148	157	4
125°	5	37	83	106	115	4
135°	5	32	64	83	88	4
145°	5	23	46	64	69	3
155°	5	18	32	46	51	2
165°	5	9	18	23	28	1
175°	9	9	9	9	5	1
180°	5	5	5	5	5	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5516.1	5516.1	5516.1	5516.1	5516.1
1°	5562.2	5539.2	5479.2	5520.7	5511.5
2°	5557.6	5534.5	5465.4	5483.9	5451.6
3°	5553.0	5520.7	5414.7	5410.1	5364.0
4°	5548.4	5497.7	5350.2	5294.9	5258.0
5°	5543.8	5470.0	5271.9	5170.5	5115.2
6°	5539.2	5437.8	5170.5	5018.4	4940.1
7°	5529.9	5387.1	5064.5	4857.1	4755.7
8°	5520.7	5341.0	4930.9	4682.0	4557.6
9°	5511.5	5281.1	4797.2	4493.1	4345.6
10°	5493.1	5221.2	4659.0	4299.5	4142.8
11°	5483.9	5152.1	4525.3	4115.2	3930.9
12°	5465.4	5078.3	4382.5	3921.6	3760.4
13°	5447.0	5000.0	4207.4	3755.7	3562.2
14°	5428.6	4917.0	4055.3	3571.4	3391.7
15°	5405.5	4829.5	3884.8	3396.3	3212.0
16°	5382.5	4728.1	3732.7	3216.6	3023.0
17°	5359.4	4631.3	3589.9	3050.7	2875.6
18°	5331.8	4534.5	3424.0	2889.4	2718.9
19°	5294.9	4423.9	3290.3	2741.9	2585.2
20°	5262.7	4322.6	3138.2	2603.7	2465.4
21°	5225.8	4198.1	2986.2	2474.6	2336.4
22.5°	5170.5	4023.0	2792.6	2313.4	2184.3
23°	5142.8	3972.3	2714.3	2253.4	2142.9
24°	5106.0	3838.7	2585.2	2161.3	2050.7
25°	5050.7	3732.7	2474.6	2078.3	1990.8
26°	5000.0	3603.7	2364.0	2004.6	1917.0
27°	4949.3	3479.3	2267.3	1926.3	1852.5
28°	4884.8	3350.2	2161.3	1861.7	1797.2
29°	4815.7	3230.4	2073.7	1806.4	1755.8
30°	4746.5	3096.8	2000.0	1755.8	1714.3
32.5°	4553.0	2801.8	1811.1	1659.0	1631.3
35°	4322.6	2525.3	1677.4	1571.4	1562.2
37.5°	4064.5	2271.9	1557.6	1502.3	1511.5
40°	3760.4	2041.5	1456.2	1451.6	1470.0
42.5°	3437.8	1843.3	1377.9	1410.1	1437.8
45°	3106.0	1663.6	1299.5	1368.7	1405.5
47.5°	2760.4	1506.9	1230.4	1318.0	1359.4
50°	2410.1	1354.8	1156.7	1258.1	1299.5
52.5°	2096.8	1221.2	1082.9	1188.9	1235.0
55°	1783.4	1092.2	1004.6	1115.2	1152.1
57.5°	1511.5	972.3	921.7	1032.3	1059.9
60°	1258.1	857.1	838.7	940.1	972.3
62.5°	1027.6	755.8	760.4	857.1	889.4
65°	838.7	659.0	691.2	778.8	806.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	682.0	566.8	622.1	714.3	737.3
70°	539.2	483.9	566.8	649.8	672.8
72.5°	428.6	410.1	511.5	599.1	617.5
75°	327.2	341.0	465.4	548.4	571.4
77.5°	235.0	285.7	419.4	506.9	525.3
80°	165.9	235.0	382.5	470.0	488.5
82.5°	106.0	193.5	345.6	437.8	456.2
85°	55.3	156.7	313.4	405.5	424.0
87.5°	23.0	129.0	281.1	373.3	391.7
90°	0.0	106.0	253.5	345.6	359.4
92.5°	0.0	92.2	230.4	318.0	331.8
95°	0.0	78.3	212.0	290.3	304.1
97.5°	0.0	73.7	188.9	267.3	281.1
100°	0.0	64.5	170.5	244.2	262.7
102.5°	0.0	59.9	156.7	221.2	239.6
105°	0.0	55.3	142.9	202.8	221.2
107.5°	0.0	50.7	133.6	188.9	202.8
110°	0.0	50.7	119.8	175.1	188.9
112.5°	4.6	46.1	110.6	156.7	170.5
115°	4.6	46.1	101.4	147.5	156.7
117.5°	4.6	46.1	96.8	133.6	142.9
120°	4.6	41.5	92.2	124.4	133.6
122.5°	4.6	41.5	87.6	115.2	119.8
125°	4.6	36.9	82.9	106.0	115.2
127.5°	4.6	36.9	78.3	101.4	106.0
130°	4.6	36.9	73.7	92.2	101.4
132.5°	4.6	32.3	69.1	87.6	92.2
135°	4.6	32.3	64.5	82.9	87.6
137.5°	4.6	27.6	59.9	78.3	82.9
140°	4.6	27.6	55.3	73.7	78.3
142.5°	4.6	23.0	50.7	69.1	73.7
145°	4.6	23.0	46.1	64.5	69.1
147.5°	4.6	23.0	41.5	59.9	64.5
150°	4.6	18.4	36.9	55.3	59.9
152.5°	4.6	18.4	32.3	50.7	55.3
155°	4.6	18.4	32.3	46.1	50.7
157.5°	4.6	13.8	27.6	36.9	46.1
160°	4.6	13.8	23.0	32.3	41.5
162.5°	4.6	13.8	23.0	27.6	32.3
165°	4.6	9.2	18.4	23.0	27.6
167.5°	4.6	9.2	13.8	18.4	23.0
170°	4.6	9.2	13.8	13.8	18.4
172.5°	4.6	9.2	9.2	9.2	9.2
175°	9.2	9.2	9.2	9.2	4.6
177.5°	9.2	9.2	9.2	4.6	4.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	4.6	4.6	4.6	4.6	4.6

(END OF REPORT)