

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: P567089

Luminaire Tested: **4SNX-SL3-LN-UNV-CC83-CD-5000K-LOW**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567089
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: 4SNX-SL3-LN-UNV-CC83-CD-5000K-LOW
Description: 4FT 6000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 5000K, 80CRI, LOW LUMEN SETTING, AND LN LENS
Light Source: -
Ballast/Driver: -

Summary

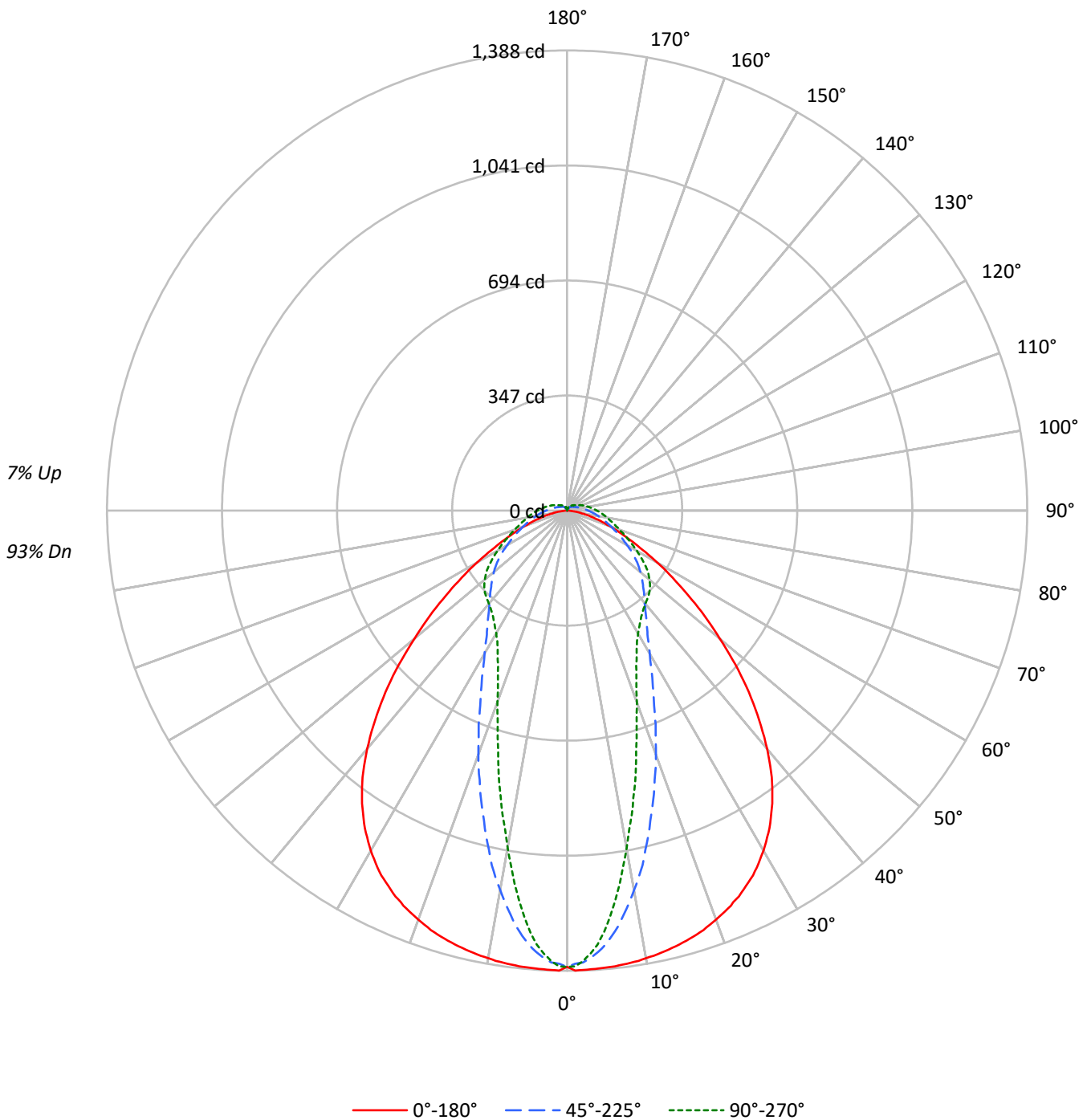
Lumens per Lamp: N/A
Luminaire Lumens: 2193.8 lumens
Efficiency: N/A
Efficacy: 130.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 16.863
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	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	68	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°	14815	14815	14815
5°	14892	13616	13030
10°	14871	11675	10110
15°	14865	9523	7577
20°	14816	7586	5671
25°	14682	5945	4500
30°	14374	4811	3838
35°	13771	4071	3492
40°	12739	3595	3305
45°	11326	3289	3203
50°	9594	3026	3026
55°	7882	2743	2764
60°	6303	2413	2424
65°	4894	2118	2109
70°	3798	1873	1866
75°	2937	1683	1700
80°	2076	1540	1580
85°	1154	1436	1516



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.9	5.6
10°-20°	285.7	13.0
20°-30°	339.1	15.5
30°-40°	341.2	15.6
40°-50°	317.2	14.5
50°-60°	261.2	11.9
60°-70°	184.0	8.4
70°-80°	120.2	5.5
80°-90°	76.7	3.5
90°-100°	50.3	2.3
100°-110°	34.2	1.6
110°-120°	23.4	1.1
120°-130°	16.2	0.7
130°-140°	10.9	0.5
140°-150°	6.7	0.3
150°-160°	3.5	0.2
160°-170°	1.3	0.1
170°-180°	0.2	0.0
0°-30°	746.7	34.0
0°-40°	1087.9	49.6
0°-60°	1666.3	76.0
0°-90°	2047.2	93.3
90°-120°	107.9	4.9
90°-150°	141.7	6.5
90°-180°	147.0	6.7
0°-180°	2193.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1376	1376	1376	1376	1376	
5°	1383	1365	1315	1290	1276	132
15°	1349	1205	969	847	801	381
25°	1260	931	618	519	497	580
35°	1079	630	418	392	390	671
45°	775	415	324	342	351	595
55°	445	272	251	278	288	402
65°	209	164	172	194	201	212
75°	82	85	116	137	143	88
85°	14	39	78	101	106	17
90°	0	26	63	86	90	1
95°	0	20	53	72	76	0
105°	0	14	36	51	55	0
115°	1	12	25	37	39	1
125°	1	9	21	26	29	1
135°	1	8	16	21	22	1
145°	1	6	12	16	17	1
155°	1	5	8	12	13	1
165°	1	2	5	6	7	0
175°	2	2	2	2	1	0
180°	1	1	1	1	1	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1376.4	1376.4	1376.4	1376.4	1376.4
1°	1387.9	1382.1	1367.2	1377.5	1375.2
2°	1386.7	1381.0	1363.7	1368.3	1360.3
3°	1385.6	1377.5	1351.1	1349.9	1338.4
4°	1384.4	1371.8	1335.0	1321.2	1312.0
5°	1383.3	1364.9	1315.4	1290.1	1276.3
6°	1382.1	1356.8	1290.1	1252.2	1232.6
7°	1379.8	1344.2	1263.7	1211.9	1186.6
8°	1377.5	1332.7	1230.3	1168.2	1137.2
9°	1375.2	1317.7	1197.0	1121.1	1084.3
10°	1370.6	1302.8	1162.5	1072.8	1033.7
11°	1368.3	1285.5	1129.1	1026.8	980.8
12°	1363.7	1267.1	1093.5	978.5	938.3
13°	1359.1	1247.6	1049.8	937.1	888.8
14°	1354.5	1226.9	1011.9	891.1	846.3
15°	1348.8	1205.0	969.3	847.4	801.4
16°	1343.0	1179.7	931.4	802.6	754.3
17°	1337.3	1155.6	895.7	761.2	717.5
18°	1330.4	1131.4	854.3	721.0	678.4
19°	1321.2	1103.8	821.0	684.2	645.1
20°	1313.1	1078.6	783.0	649.7	615.2
21°	1303.9	1047.5	745.1	617.5	583.0
22.5°	1290.1	1003.8	696.8	577.2	545.0
23°	1283.2	991.2	677.3	562.3	534.7
24°	1274.0	957.8	645.1	539.3	511.7
25°	1260.2	931.4	617.5	518.6	496.7
26°	1247.6	899.2	589.9	500.2	478.3
27°	1234.9	868.1	565.7	480.6	462.2
28°	1218.8	835.9	539.3	464.5	448.4
29°	1201.6	806.0	517.4	450.7	438.1
30°	1184.3	772.7	499.0	438.1	427.7
32.5°	1136.0	699.1	451.9	413.9	407.0
35°	1078.6	630.1	418.5	392.1	389.8
37.5°	1014.2	566.9	388.6	374.8	377.1
40°	938.3	509.4	363.4	362.2	366.8
42.5°	857.8	459.9	343.8	351.9	358.8
45°	775.0	415.1	324.3	341.5	350.7
47.5°	688.8	376.0	307.0	328.9	339.2
50°	601.4	338.1	288.6	313.9	324.3
52.5°	523.2	304.7	270.2	296.7	308.2
55°	445.0	272.5	250.7	278.3	287.5
57.5°	377.1	242.6	230.0	257.6	264.5
60°	313.9	213.9	209.3	234.6	242.6
62.5°	256.4	188.6	189.7	213.9	221.9
65°	209.3	164.4	172.5	194.3	201.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	170.2	141.4	155.2	178.2	184.0
70°	134.5	120.7	141.4	162.1	167.9
72.5°	106.9	102.3	127.6	149.5	154.1
75°	81.6	85.1	116.1	136.8	142.6
77.5°	58.6	71.3	104.6	126.5	131.1
80°	41.4	58.6	95.4	117.3	121.9
82.5°	26.4	48.3	86.2	109.2	113.8
85°	13.8	39.1	78.2	101.2	105.8
87.5°	5.7	32.2	70.1	93.1	97.7
90°	0.0	26.4	63.2	86.2	89.7
92.5°	0.0	23.0	57.5	79.3	82.8
95°	0.0	19.5	52.9	72.4	75.9
97.5°	0.0	18.4	47.1	66.7	70.1
100°	0.0	16.1	42.5	60.9	65.5
102.5°	0.0	14.9	39.1	55.2	59.8
105°	0.0	13.8	35.6	50.6	55.2
107.5°	0.0	12.6	33.3	47.1	50.6
110°	0.0	12.6	29.9	43.7	47.1
112.5°	1.1	11.5	27.6	39.1	42.5
115°	1.1	11.5	25.3	36.8	39.1
117.5°	1.1	11.5	24.1	33.3	35.6
120°	1.1	10.3	23.0	31.0	33.3
122.5°	1.1	10.3	21.8	28.7	29.9
125°	1.1	9.2	20.7	26.4	28.7
127.5°	1.1	9.2	19.5	25.3	26.4
130°	1.1	9.2	18.4	23.0	25.3
132.5°	1.1	8.0	17.2	21.8	23.0
135°	1.1	8.0	16.1	20.7	21.8
137.5°	1.1	6.9	14.9	19.5	20.7
140°	1.1	6.9	13.8	18.4	19.5
142.5°	1.1	5.7	12.6	17.2	18.4
145°	1.1	5.7	11.5	16.1	17.2
147.5°	1.1	5.7	10.3	14.9	16.1
150°	1.1	4.6	9.2	13.8	14.9
152.5°	1.1	4.6	8.0	12.6	13.8
155°	1.1	4.6	8.0	11.5	12.6
157.5°	1.1	3.4	6.9	9.2	11.5
160°	1.1	3.4	5.7	8.0	10.3
162.5°	1.1	3.4	5.7	6.9	8.0
165°	1.1	2.3	4.6	5.7	6.9
167.5°	1.1	2.3	3.4	4.6	5.7
170°	1.1	2.3	3.4	3.4	4.6
172.5°	1.1	2.3	2.3	2.3	2.3
175°	2.3	2.3	2.3	2.3	1.1
177.5°	2.3	2.3	2.3	1.1	1.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	1.1	1.1	1.1	1.1	1.1

(END OF REPORT)