

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: P567083

Luminaire Tested: **4SNX-SL3-LN-UNV-CC83-CD-3500K-LOW**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567083
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-3500K-LOW
Description: 4FT 6000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 3500K, 80CRI, LOW LUMEN SETTING, AND LN LENS
Light Source: -
Ballast/Driver: -

Summary

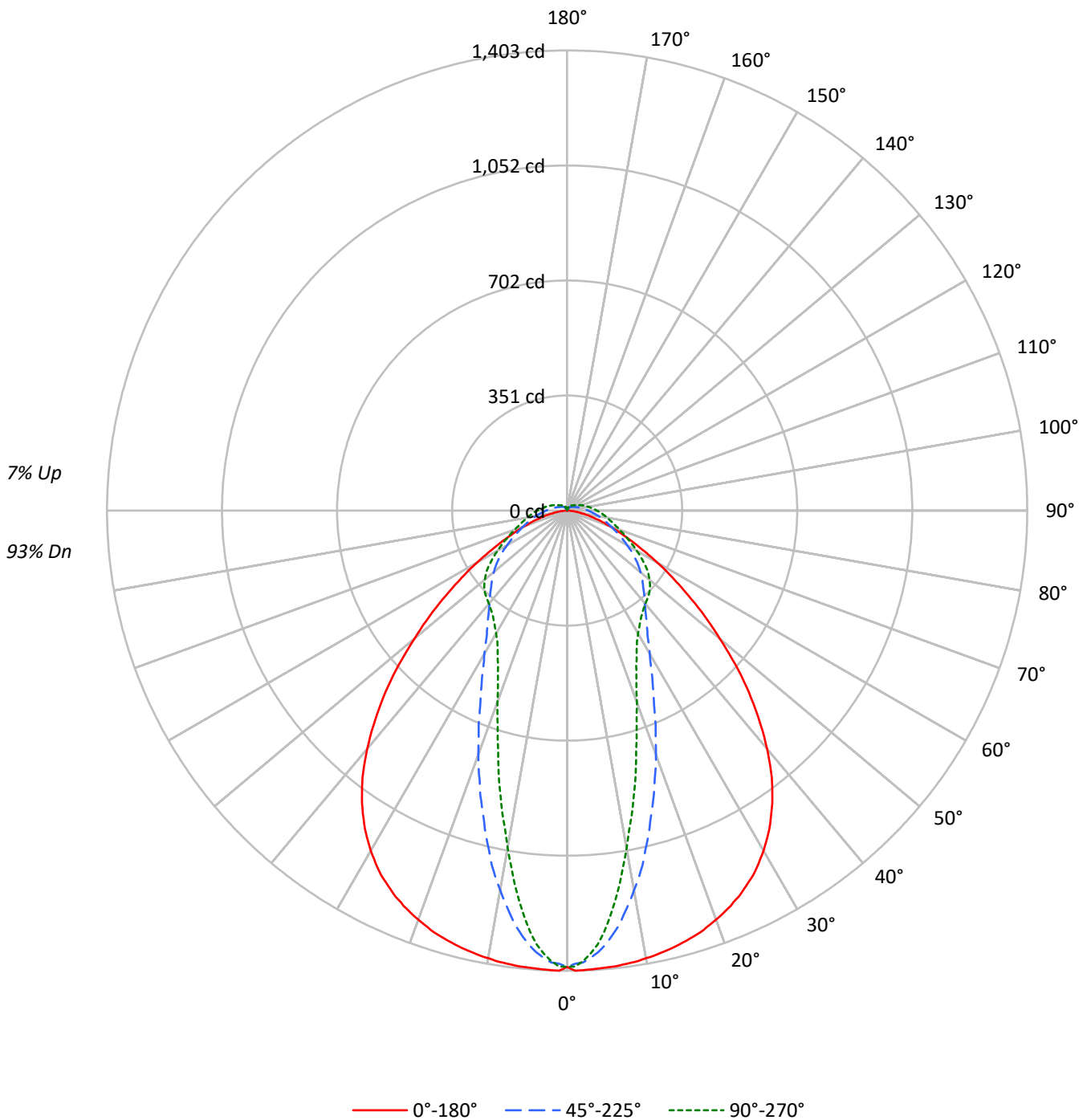
Lumens per Lamp: N/A
Luminaire Lumens: 2218.0 lumens
Efficiency: N/A
Efficacy: 132.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 16.731
Input Voltage (V): NR
Input Current (A_{in}): 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	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°	14977	14977	14977
5°	15055	13765	13173
10°	15034	11803	10220
15°	15027	9628	7660
20°	14979	7669	5733
25°	14842	6010	4550
30°	14532	4864	3881
35°	13922	4116	3531
40°	12877	3634	3341
45°	11450	3325	3238
50°	9698	3060	3059
55°	7969	2772	2794
60°	6371	2439	2451
65°	4947	2142	2132
70°	3840	1894	1886
75°	2969	1702	1718
80°	2096	1557	1597
85°	1163	1451	1532



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.2	5.6
10°-20°	288.8	13.0
20°-30°	342.8	15.5
30°-40°	344.9	15.6
40°-50°	320.6	14.5
50°-60°	264.0	11.9
60°-70°	186.0	8.4
70°-80°	121.5	5.5
80°-90°	77.6	3.5
90°-100°	50.9	2.3
100°-110°	34.5	1.6
110°-120°	23.7	1.1
120°-130°	16.4	0.7
130°-140°	11.0	0.5
140°-150°	6.8	0.3
150°-160°	3.5	0.2
160°-170°	1.3	0.1
170°-180°	0.2	0.0
0°-30°	754.9	34.0
0°-40°	1099.8	49.6
0°-60°	1684.5	75.9
0°-90°	2069.7	93.3
90°-120°	109.1	4.9
90°-150°	143.3	6.5
90°-180°	148.0	6.7
0°-180°	2218.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1391	1391	1391	1391	1391	
5°	1398	1380	1330	1304	1290	133
15°	1364	1218	980	857	810	385
25°	1274	942	624	524	502	586
35°	1090	637	423	396	394	678
45°	784	420	328	345	354	601
55°	450	276	253	281	291	406
65°	212	166	174	196	203	215
75°	82	86	117	138	144	89
85°	14	40	79	102	107	18
90°	0	27	64	87	91	1
95°	0	20	54	73	77	0
105°	0	14	36	51	56	0
115°	1	12	26	37	40	1
125°	1	9	21	27	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°	1391.4	1391.4	1391.4	1391.4	1391.4
1°	1403.0	1397.2	1382.1	1392.6	1390.3
2°	1401.9	1396.1	1378.6	1383.3	1375.1
3°	1400.7	1392.6	1365.8	1364.7	1353.1
4°	1399.6	1386.8	1349.6	1335.6	1326.3
5°	1398.4	1379.8	1329.8	1304.2	1290.3
6°	1397.2	1371.7	1304.2	1265.9	1246.1
7°	1394.9	1358.9	1277.5	1225.2	1199.6
8°	1392.6	1347.2	1243.8	1181.0	1149.6
9°	1390.3	1332.1	1210.1	1133.4	1096.2
10°	1385.6	1317.0	1175.2	1084.5	1045.0
11°	1383.3	1299.6	1141.5	1038.0	991.5
12°	1378.6	1281.0	1105.5	989.2	948.5
13°	1374.0	1261.2	1061.3	947.4	898.6
14°	1369.3	1240.3	1022.9	900.9	855.5
15°	1363.5	1218.2	979.9	856.7	810.2
16°	1357.7	1192.6	941.6	811.4	762.5
17°	1351.9	1168.2	905.5	769.5	725.4
18°	1344.9	1143.8	863.7	728.8	685.8
19°	1335.6	1115.9	830.0	691.6	652.1
20°	1327.5	1090.4	791.6	656.8	621.9
21°	1318.2	1059.0	753.2	624.2	589.3
22.5°	1304.2	1014.8	704.4	583.5	551.0
23°	1297.3	1002.0	684.7	568.4	540.5
24°	1288.0	968.3	652.1	545.2	517.3
25°	1274.0	941.6	624.2	524.3	502.2
26°	1261.2	909.0	596.3	505.7	483.6
27°	1248.4	877.6	571.9	485.9	467.3
28°	1232.2	845.1	545.2	469.6	453.3
29°	1214.7	814.9	523.1	455.7	442.9
30°	1197.3	781.1	504.5	442.9	432.4
32.5°	1148.5	706.8	456.8	418.5	411.5
35°	1090.4	637.0	423.1	396.4	394.1
37.5°	1025.3	573.1	392.9	378.9	381.3
40°	948.5	515.0	367.3	366.2	370.8
42.5°	867.2	465.0	347.6	355.7	362.7
45°	783.5	419.6	327.8	345.2	354.5
47.5°	696.3	380.1	310.4	332.5	342.9
50°	607.9	341.8	291.8	317.3	327.8
52.5°	528.9	308.0	273.2	299.9	311.5
55°	449.9	275.5	253.4	281.3	290.6
57.5°	381.3	245.3	232.5	260.4	267.4
60°	317.3	216.2	211.6	237.1	245.3
62.5°	259.2	190.6	191.8	216.2	224.3
65°	211.6	166.2	174.4	196.4	203.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	172.0	143.0	156.9	180.2	186.0
70°	136.0	122.1	143.0	163.9	169.7
72.5°	108.1	103.5	129.0	151.1	155.8
75°	82.5	86.0	117.4	138.3	144.1
77.5°	59.3	72.1	105.8	127.9	132.5
80°	41.8	59.3	96.5	118.6	123.2
82.5°	26.7	48.8	87.2	110.4	115.1
85°	13.9	39.5	79.0	102.3	106.9
87.5°	5.8	32.5	70.9	94.2	98.8
90°	0.0	26.7	63.9	87.2	90.7
92.5°	0.0	23.2	58.1	80.2	83.7
95°	0.0	19.8	53.5	73.2	76.7
97.5°	0.0	18.6	47.7	67.4	70.9
100°	0.0	16.3	43.0	61.6	66.3
102.5°	0.0	15.1	39.5	55.8	60.4
105°	0.0	13.9	36.0	51.1	55.8
107.5°	0.0	12.8	33.7	47.7	51.1
110°	0.0	12.8	30.2	44.2	47.7
112.5°	1.2	11.6	27.9	39.5	43.0
115°	1.2	11.6	25.6	37.2	39.5
117.5°	1.2	11.6	24.4	33.7	36.0
120°	1.2	10.5	23.2	31.4	33.7
122.5°	1.2	10.5	22.1	29.1	30.2
125°	1.2	9.3	20.9	26.7	29.1
127.5°	1.2	9.3	19.8	25.6	26.7
130°	1.2	9.3	18.6	23.2	25.6
132.5°	1.2	8.1	17.4	22.1	23.2
135°	1.2	8.1	16.3	20.9	22.1
137.5°	1.2	7.0	15.1	19.8	20.9
140°	1.2	7.0	13.9	18.6	19.8
142.5°	1.2	5.8	12.8	17.4	18.6
145°	1.2	5.8	11.6	16.3	17.4
147.5°	1.2	5.8	10.5	15.1	16.3
150°	1.2	4.6	9.3	13.9	15.1
152.5°	1.2	4.6	8.1	12.8	13.9
155°	1.2	4.6	8.1	11.6	12.8
157.5°	1.2	3.5	7.0	9.3	11.6
160°	1.2	3.5	5.8	8.1	10.5
162.5°	1.2	3.5	5.8	7.0	8.1
165°	1.2	2.3	4.6	5.8	7.0
167.5°	1.2	2.3	3.5	4.6	5.8
170°	1.2	2.3	3.5	3.5	4.6
172.5°	1.2	2.3	2.3	2.3	2.3
175°	2.3	2.3	2.3	2.3	1.2
177.5°	2.3	2.3	2.3	1.2	1.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	1.2	1.2	1.2	1.2	1.2

(END OF REPORT)