

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: P567074

Luminaire Tested: **4SNX-SL3-LC-UNV-CC93-CD-3500K-LOW**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567074
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: 4SNX-SL3-LC-UNV-CC93-CD-3500K-LOW
Description: 4FT 6000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 3500K, 90CRI, LOW LUMEN SETTING, AND LC LENS
Light Source: -
Ballast/Driver: -

Summary

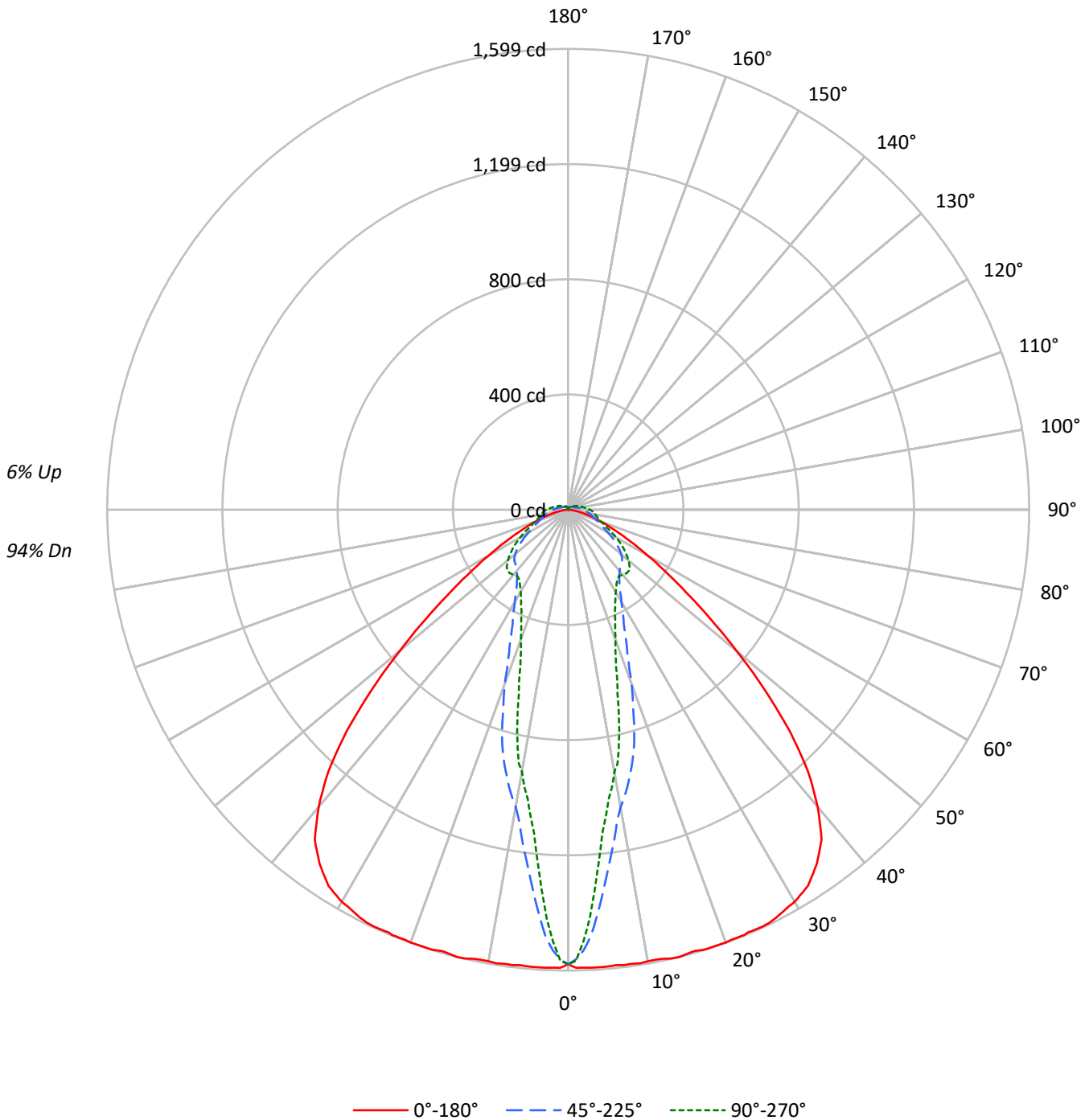
Lumens per Lamp: N/A
Luminaire Lumens: 1944.0 lumens
Efficiency: N/A
Efficacy: 116.2 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 16.731
Input Voltage (V): NR
Input Current (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°	16976	16976	16976
5°	17128	13942	12480
10°	17263	10526	9032
15°	17578	8604	6254
20°	18031	6226	4417
25°	18594	4461	3475
30°	19069	3563	2960
35°	19181	3014	2651
40°	18286	2740	2657
45°	15869	2647	2730
50°	12174	2518	2548
55°	8822	2201	2260
60°	6401	1837	1911
65°	4660	1553	1566
70°	3431	1372	1350
75°	2437	1271	1259
80°	1599	1190	1239
85°	753	1135	1242



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.0	6.4
10°-20°	269.3	13.9
20°-30°	308.3	15.9
30°-40°	308.8	15.9
40°-50°	292.3	15.0
50°-60°	224.2	11.5
60°-70°	144.5	7.4
70°-80°	92.2	4.7
80°-90°	61.2	3.1
90°-100°	41.1	2.1
100°-110°	27.1	1.4
110°-120°	18.9	1.0
120°-130°	13.1	0.7
130°-140°	9.1	0.5
140°-150°	5.6	0.3
150°-160°	2.8	0.1
160°-170°	1.1	0.1
170°-180°	0.2	0.0
0°-30°	701.6	36.1
0°-40°	1010.5	52.0
0°-60°	1527.0	78.5
0°-90°	1824.9	93.9
90°-120°	87.1	4.5
90°-150°	115.0	5.9
90°-180°	119.0	6.1
0°-180°	1944.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1577	1577	1577	1577	1577	
5°	1591	1503	1347	1256	1222	152
15°	1595	1149	876	719	662	452
25°	1596	813	463	402	384	736
35°	1502	452	310	300	296	932
45°	1086	286	261	289	299	826
55°	498	204	201	226	235	458
65°	199	128	126	144	149	205
75°	68	70	88	101	106	74
85°	9	32	62	81	87	12
90°	0	22	52	72	75	0
95°	0	16	43	59	62	0
105°	0	12	28	40	43	1
115°	1	10	21	29	31	1
125°	1	9	18	21	22	1
135°	1	7	14	17	18	1
145°	1	5	10	13	14	1
155°	1	3	6	9	10	1
165°	2	2	4	5	6	0
175°	2	2	2	2	1	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1577.1	1577.1	1577.1	1577.1	1577.1
1°	1590.0	1581.1	1560.1	1566.1	1565.1
2°	1590.0	1571.1	1530.2	1518.3	1500.4
3°	1591.0	1554.2	1484.4	1445.6	1420.7
4°	1591.0	1529.2	1416.7	1351.9	1320.0
5°	1591.0	1503.3	1346.9	1256.3	1222.4
6°	1589.0	1472.5	1276.2	1180.6	1129.7
7°	1592.0	1438.6	1212.4	1109.8	1070.0
8°	1591.0	1398.7	1153.7	1056.0	1012.2
9°	1594.0	1359.9	1089.9	1005.2	972.3
10°	1591.0	1324.0	1048.1	957.4	923.5
11°	1591.0	1289.2	1018.2	926.5	897.6
12°	1593.0	1249.3	985.3	882.7	842.8
13°	1598.0	1208.5	947.4	834.9	788.0
14°	1599.0	1177.6	912.6	774.1	725.3
15°	1595.0	1148.7	875.7	719.3	661.5
16°	1593.0	1118.8	831.9	667.5	615.7
17°	1597.0	1083.9	782.1	614.7	566.9
18°	1598.0	1052.0	729.3	574.8	533.0
19°	1598.0	1027.1	686.4	538.0	502.1
20°	1598.0	1003.2	642.6	510.1	479.2
21°	1596.0	973.3	592.8	481.2	455.3
22.5°	1597.0	917.5	536.0	447.3	426.4
23°	1594.0	903.6	522.0	438.4	416.4
24°	1595.0	863.8	492.1	420.4	399.5
25°	1596.0	812.9	463.3	402.5	383.6
26°	1594.0	772.1	439.3	385.5	372.6
27°	1589.0	739.2	422.4	371.6	359.6
28°	1582.0	695.4	404.5	359.6	348.7
29°	1575.1	645.6	386.5	346.7	338.7
30°	1571.1	605.7	369.6	336.7	329.8
32.5°	1547.2	527.0	334.7	316.8	310.8
35°	1502.3	452.3	309.8	299.9	295.9
37.5°	1443.6	394.5	290.9	288.9	289.9
40°	1346.9	348.7	277.0	285.9	294.9
42.5°	1231.4	312.8	267.0	288.9	298.9
45°	1085.9	285.9	261.0	288.9	298.9
47.5°	924.5	264.0	254.0	279.0	288.9
50°	763.1	244.1	240.1	264.0	273.0
52.5°	620.7	225.2	222.2	245.1	254.0
55°	498.1	204.2	201.2	226.1	235.1
57.5°	399.5	184.3	181.3	204.2	213.2
60°	318.8	164.4	159.4	182.3	191.3
62.5°	254.0	145.5	142.5	162.4	170.4
65°	199.3	128.5	126.5	144.5	149.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	157.4	112.6	113.6	128.5	134.5
70°	121.5	97.6	103.6	117.6	121.5
72.5°	91.7	82.7	95.6	107.6	112.6
75°	67.7	69.7	87.7	100.6	105.6
77.5°	46.8	57.8	80.7	94.6	99.6
80°	31.9	46.8	73.7	89.7	95.6
82.5°	18.9	38.9	67.7	84.7	91.7
85°	9.0	31.9	61.8	80.7	86.7
87.5°	3.0	25.9	55.8	76.7	81.7
90°	0.0	21.9	51.8	71.7	74.7
92.5°	0.0	18.9	46.8	65.8	67.7
95°	0.0	15.9	42.8	58.8	61.8
97.5°	0.0	14.9	39.9	52.8	56.8
100°	0.0	13.9	35.9	47.8	51.8
102.5°	0.0	12.0	31.9	42.8	46.8
105°	0.0	12.0	27.9	39.9	42.8
107.5°	1.0	11.0	25.9	35.9	39.9
110°	1.0	11.0	22.9	33.9	36.9
112.5°	1.0	11.0	21.9	30.9	34.9
115°	1.0	10.0	20.9	28.9	30.9
117.5°	1.0	10.0	19.9	25.9	27.9
120°	1.0	9.0	18.9	23.9	24.9
122.5°	1.0	9.0	17.9	21.9	22.9
125°	1.0	9.0	17.9	20.9	21.9
127.5°	1.0	8.0	16.9	19.9	19.9
130°	1.0	8.0	15.9	18.9	18.9
132.5°	1.0	7.0	14.9	17.9	18.9
135°	1.0	7.0	13.9	16.9	17.9
137.5°	1.0	6.0	13.0	15.9	16.9
140°	1.0	6.0	12.0	14.9	15.9
142.5°	1.0	5.0	11.0	13.9	14.9
145°	1.0	5.0	10.0	13.0	13.9
147.5°	1.0	5.0	9.0	12.0	13.0
150°	1.0	4.0	8.0	11.0	12.0
152.5°	1.0	4.0	7.0	10.0	11.0
155°	1.0	3.0	6.0	9.0	10.0
157.5°	1.0	3.0	6.0	8.0	9.0
160°	2.0	3.0	5.0	7.0	8.0
162.5°	1.0	2.0	5.0	6.0	7.0
165°	2.0	2.0	4.0	5.0	6.0
167.5°	2.0	2.0	3.0	4.0	5.0
170°	2.0	2.0	3.0	3.0	4.0
172.5°	2.0	2.0	2.0	3.0	2.0
175°	2.0	2.0	2.0	2.0	1.0
177.5°	2.0	2.0	2.0	2.0	1.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	2.0	2.0	2.0	2.0	2.0

(END OF REPORT)