

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: P565880

Luminaire Tested: **2SNX-SL3-LN-UNV-CC93-CD-3500K-LOW**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565880
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: 2SNX-SL3-LN-UNV-CC93-CD-3500K-LOW
Description: 2FT 3200 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 3500K, 90CRI, LOW LUMEN SETTING, AND LN LENS
Light Source: -
Ballast/Driver: -

Summary

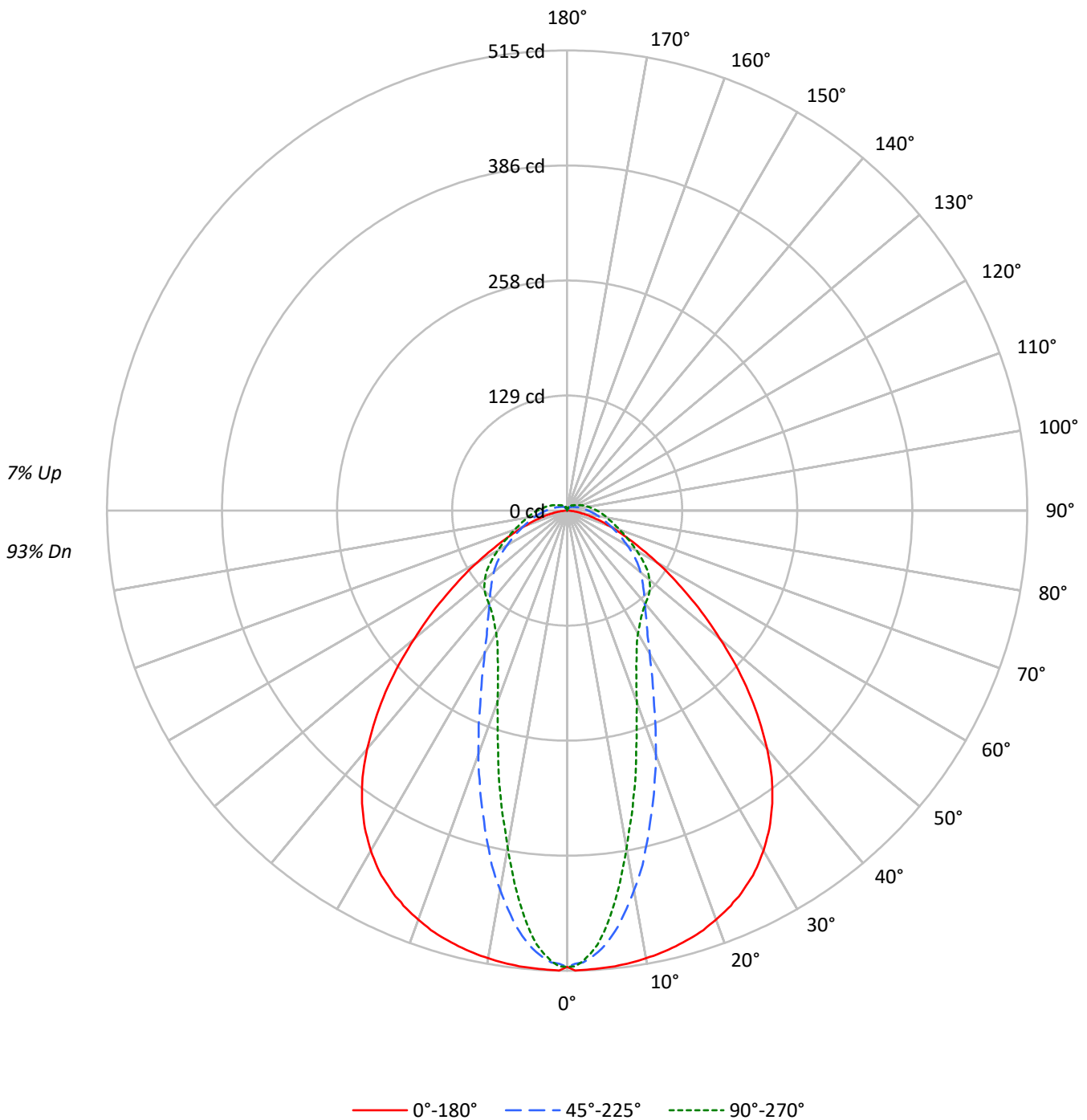
Lumens per Lamp: N/A
Luminaire Lumens: 814.0 lumens
Efficiency: N/A
Efficacy: 117.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.17')
CIE Type: Direct

Input Watts (W): 6.93
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°	10992	10992	10992
5°	11010	10078	9668
10°	10955	8622	7501
15°	10909	7017	5622
20°	10833	5578	4207
25°	10692	4363	3340
30°	10421	3523	2849
35°	9938	2976	2591
40°	9143	2622	2453
45°	8080	2393	2377
50°	6797	2198	2245
55°	5538	1986	2051
60°	4383	1741	1798
65°	3354	1525	1566
70°	2556	1345	1385
75°	1922	1203	1261
80°	1296	1095	1172
85°	645	1014	1123



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.2	5.6
10°-20°	106.0	13.0
20°-30°	125.8	15.5
30°-40°	126.6	15.6
40°-50°	117.7	14.5
50°-60°	96.9	11.9
60°-70°	68.3	8.4
70°-80°	44.6	5.5
80°-90°	28.5	3.5
90°-100°	18.7	2.3
100°-110°	12.7	1.6
110°-120°	8.7	1.1
120°-130°	6.0	0.7
130°-140°	4.0	0.5
140°-150°	2.5	0.3
150°-160°	1.3	0.2
160°-170°	0.5	0.1
170°-180°	0.1	0.0
0°-30°	277.0	34.0
0°-40°	403.6	49.6
0°-60°	618.2	75.9
0°-90°	759.6	93.3
90°-120°	40.1	4.9
90°-150°	52.6	6.5
90°-180°	54.0	6.6
0°-180°	814.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	511	511	511	511	511	
5°	513	506	488	479	474	49
15°	500	447	360	314	297	141
25°	468	346	229	192	184	215
35°	400	234	155	146	145	249
45°	288	154	120	127	130	221
55°	165	101	93	103	107	149
65°	78	61	64	72	75	79
75°	30	32	43	51	53	33
85°	5	14	29	38	39	6
90°	0	10	24	32	33	0
95°	0	7	20	27	28	0
105°	0	5	13	19	20	0
115°	0	4	9	14	14	0
125°	0	3	8	10	11	0
135°	0	3	6	8	8	0
145°	0	2	4	6	6	0
155°	0	2	3	4	5	0
165°	0	1	2	2	3	0
175°	1	1	1	1	0	0
180°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	510.6	510.6	510.6	510.6	510.6
1°	514.9	512.8	507.2	511.1	510.2
2°	514.5	512.4	506.0	507.7	504.7
3°	514.1	511.1	501.3	500.8	496.6
4°	513.6	508.9	495.3	490.2	486.8
5°	513.2	506.4	488.0	478.7	473.5
6°	512.8	503.4	478.7	464.6	457.3
7°	511.9	498.7	468.8	449.6	440.3
8°	511.1	494.4	456.5	433.4	421.9
9°	510.2	488.9	444.1	415.9	402.3
10°	508.5	483.3	431.3	398.0	383.5
11°	507.7	476.9	418.9	381.0	363.9
12°	506.0	470.1	405.7	363.0	348.1
13°	504.2	462.9	389.5	347.7	329.8
14°	502.5	455.2	375.4	330.6	314.0
15°	500.4	447.1	359.6	314.4	297.3
16°	498.3	437.7	345.6	297.8	279.9
17°	496.1	428.7	332.3	282.4	266.2
18°	493.6	419.8	317.0	267.5	251.7
19°	490.2	409.5	304.6	253.8	239.3
20°	487.2	400.2	290.5	241.0	228.2
21°	483.8	388.6	276.4	229.1	216.3
22.5°	478.7	372.4	258.5	214.2	202.2
23°	476.1	367.7	251.3	208.6	198.4
24°	472.7	355.4	239.3	200.1	189.8
25°	467.6	345.6	229.1	192.4	184.3
26°	462.9	333.6	218.8	185.6	177.5
27°	458.2	322.1	209.9	178.3	171.5
28°	452.2	310.1	200.1	172.3	166.4
29°	445.8	299.1	192.0	167.2	162.5
30°	439.4	286.7	185.1	162.5	158.7
32.5°	421.5	259.4	167.7	153.6	151.0
35°	400.2	233.8	155.3	145.5	144.6
37.5°	376.3	210.3	144.2	139.1	139.9
40°	348.1	189.0	134.8	134.4	136.1
42.5°	318.2	170.6	127.6	130.5	133.1
45°	287.5	154.0	120.3	126.7	130.1
47.5°	255.5	139.5	113.9	122.0	125.8
50°	223.1	125.4	107.1	116.5	120.3
52.5°	194.1	113.1	100.3	110.1	114.3
55°	165.1	101.1	93.0	103.2	106.7
57.5°	139.9	90.0	85.3	95.6	98.1
60°	116.5	79.3	77.6	87.0	90.0
62.5°	95.1	70.0	70.4	79.3	82.3
65°	77.6	61.0	64.0	72.1	74.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	63.1	52.5	57.6	66.1	68.3
70°	49.9	44.8	52.5	60.2	62.3
72.5°	39.7	38.0	47.4	55.5	57.2
75°	30.3	31.6	43.1	50.8	52.9
77.5°	21.8	26.4	38.8	46.9	48.6
80°	15.4	21.8	35.4	43.5	45.2
82.5°	9.8	17.9	32.0	40.5	42.2
85°	5.1	14.5	29.0	37.5	39.2
87.5°	2.1	11.9	26.0	34.6	36.3
90°	0.0	9.8	23.5	32.0	33.3
92.5°	0.0	8.5	21.3	29.4	30.7
95°	0.0	7.3	19.6	26.9	28.2
97.5°	0.0	6.8	17.5	24.7	26.0
100°	0.0	6.0	15.8	22.6	24.3
102.5°	0.0	5.5	14.5	20.5	22.2
105°	0.0	5.1	13.2	18.8	20.5
107.5°	0.0	4.7	12.4	17.5	18.8
110°	0.0	4.7	11.1	16.2	17.5
112.5°	0.4	4.3	10.2	14.5	15.8
115°	0.4	4.3	9.4	13.7	14.5
117.5°	0.4	4.3	9.0	12.4	13.2
120°	0.4	3.8	8.5	11.5	12.4
122.5°	0.4	3.8	8.1	10.7	11.1
125°	0.4	3.4	7.7	9.8	10.7
127.5°	0.4	3.4	7.3	9.4	9.8
130°	0.4	3.4	6.8	8.5	9.4
132.5°	0.4	3.0	6.4	8.1	8.5
135°	0.4	3.0	6.0	7.7	8.1
137.5°	0.4	2.6	5.5	7.3	7.7
140°	0.4	2.6	5.1	6.8	7.3
142.5°	0.4	2.1	4.7	6.4	6.8
145°	0.4	2.1	4.3	6.0	6.4
147.5°	0.4	2.1	3.8	5.5	6.0
150°	0.4	1.7	3.4	5.1	5.5
152.5°	0.4	1.7	3.0	4.7	5.1
155°	0.4	1.7	3.0	4.3	4.7
157.5°	0.4	1.3	2.6	3.4	4.3
160°	0.4	1.3	2.1	3.0	3.8
162.5°	0.4	1.3	2.1	2.6	3.0
165°	0.4	0.9	1.7	2.1	2.6
167.5°	0.4	0.9	1.3	1.7	2.1
170°	0.4	0.9	1.3	1.3	1.7
172.5°	0.4	0.9	0.9	0.9	0.9
175°	0.9	0.9	0.9	0.9	0.4
177.5°	0.9	0.9	0.9	0.4	0.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	0.4	0.4	0.4	0.4	0.4

(END OF REPORT)