

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: P565856

Luminaire Tested: **2SNX-SL3-LC-UNV-CC83-CD-4000K-LOW**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565856
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: 2SNX-SL3-LC-UNV-CC83-CD-4000K-LOW
Description: 2FT 3200 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 4000K, 80CRI, LOW LUMEN SETTING, AND LC LENS
Light Source: -
Ballast/Driver: -

Summary

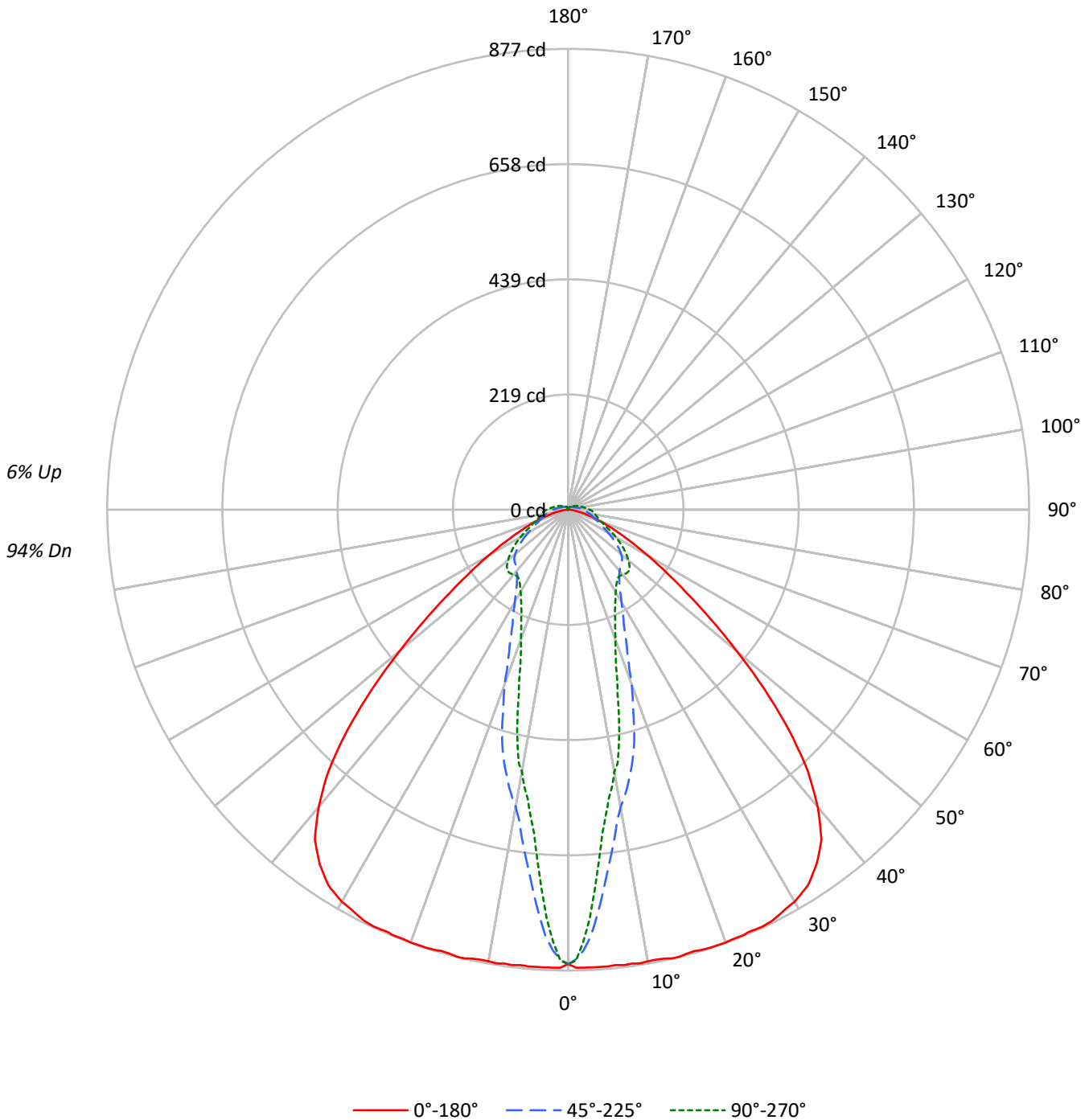
Lumens per Lamp: N/A
Luminaire Lumens: 1066.0 lumens
Efficiency: N/A
Efficacy: 161.5 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.17')
CIE Type: Direct

Input Watts (W): 6.6
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°	18617	18617	18617
5°	18716	15253	13687
10°	18794	11489	9905
15°	19067	9371	6858
20°	19485	6767	4845
25°	20011	4837	3811
30°	20432	3858	3245
35°	20456	3256	2908
40°	19400	2954	2914
45°	16735	2847	2994
50°	12750	2703	2794
55°	9160	2358	2478
60°	6577	1961	2096
65°	4724	1654	1717
70°	3411	1455	1480
75°	2354	1343	1381
80°	1473	1250	1359
85°	620	1186	1361



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.0	6.4
10°-20°	147.7	13.9
20°-30°	169.0	15.9
30°-40°	169.3	15.9
40°-50°	160.3	15.0
50°-60°	122.9	11.5
60°-70°	79.2	7.4
70°-80°	50.5	4.7
80°-90°	33.6	3.1
90°-100°	22.6	2.1
100°-110°	14.9	1.4
110°-120°	10.3	1.0
120°-130°	7.2	0.7
130°-140°	5.0	0.5
140°-150°	3.1	0.3
150°-160°	1.6	0.1
160°-170°	0.6	0.1
170°-180°	0.1	0.0
0°-30°	384.7	36.1
0°-40°	554.1	52.0
0°-60°	837.3	78.6
0°-90°	1000.7	93.9
90°-120°	47.8	4.5
90°-150°	63.0	5.9
90°-180°	65.0	6.1
0°-180°	1066.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	865	865	865	865	865	
5°	872	824	739	689	670	83
15°	875	630	480	394	363	248
25°	875	446	254	221	210	403
35°	824	248	170	164	162	511
45°	596	157	143	158	164	453
55°	273	112	110	124	129	251
65°	109	70	69	79	82	112
75°	37	38	48	55	58	41
85°	5	18	34	44	48	7
90°	0	12	28	39	41	0
95°	0	9	24	32	34	0
105°	0	7	15	22	24	0
115°	0	6	12	16	17	0
125°	0	5	10	12	12	0
135°	0	4	8	9	10	0
145°	0	3	6	7	8	0
155°	0	2	3	5	6	0
165°	1	1	2	3	3	0
175°	1	1	1	1	0	0
180°	1	1	1	1	1	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	864.8	864.8	864.8	864.8	864.8
1°	871.9	867.0	855.5	858.8	858.2
2°	871.9	861.5	839.1	832.6	822.7
3°	872.4	852.2	814.0	792.7	779.0
4°	872.4	838.6	776.8	741.3	723.8
5°	872.4	824.4	738.6	688.9	670.3
6°	871.3	807.4	699.8	647.4	619.5
7°	873.0	788.9	664.8	608.6	586.7
8°	872.4	767.0	632.6	579.1	555.0
9°	874.1	745.7	597.7	551.2	533.2
10°	872.4	726.0	574.7	525.0	506.4
11°	872.4	706.9	558.3	508.1	492.2
12°	873.5	685.1	540.3	484.0	462.2
13°	876.3	662.7	519.5	457.8	432.1
14°	876.8	645.7	500.4	424.5	397.7
15°	874.6	629.9	480.2	394.4	362.7
16°	873.5	613.5	456.2	366.0	337.6
17°	875.7	594.4	428.8	337.1	310.8
18°	876.3	576.9	399.9	315.2	292.3
19°	876.3	563.2	376.4	295.0	275.3
20°	876.3	550.1	352.4	279.7	262.8
21°	875.2	533.7	325.0	263.9	249.7
22.5°	875.7	503.1	293.9	245.3	233.8
23°	874.1	495.5	286.3	240.4	228.4
24°	874.6	473.6	269.9	230.5	219.1
25°	875.2	445.8	254.0	220.7	210.3
26°	874.1	423.4	240.9	211.4	204.3
27°	871.3	405.4	231.6	203.8	197.2
28°	867.5	381.3	221.8	197.2	191.2
29°	863.7	354.0	212.0	190.1	185.7
30°	861.5	332.1	202.7	184.6	180.8
32.5°	848.4	289.0	183.6	173.7	170.4
35°	823.8	248.0	169.9	164.4	162.3
37.5°	791.6	216.3	159.5	158.4	159.0
40°	738.6	191.2	151.9	156.8	161.7
42.5°	675.2	171.5	146.4	158.4	163.9
45°	595.5	156.8	143.1	158.4	163.9
47.5°	507.0	144.8	139.3	153.0	158.4
50°	418.5	133.8	131.7	144.8	149.7
52.5°	340.3	123.5	121.8	134.4	139.3
55°	273.1	112.0	110.4	124.0	128.9
57.5°	219.1	101.1	99.4	112.0	116.9
60°	174.8	90.1	87.4	100.0	104.9
62.5°	139.3	79.8	78.1	89.0	93.4
65°	109.3	70.5	69.4	79.2	81.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	86.3	61.7	62.3	70.5	73.8
70°	66.6	53.5	56.8	64.5	66.6
72.5°	50.3	45.3	52.4	59.0	61.7
75°	37.1	38.2	48.1	55.2	57.9
77.5°	25.7	31.7	44.3	51.9	54.6
80°	17.5	25.7	40.4	49.2	52.4
82.5°	10.4	21.3	37.1	46.4	50.3
85°	4.9	17.5	33.9	44.3	47.5
87.5°	1.6	14.2	30.6	42.1	44.8
90°	0.0	12.0	28.4	39.3	41.0
92.5°	0.0	10.4	25.7	36.1	37.1
95°	0.0	8.7	23.5	32.2	33.9
97.5°	0.0	8.2	21.9	29.0	31.1
100°	0.0	7.6	19.7	26.2	28.4
102.5°	0.0	6.6	17.5	23.5	25.7
105°	0.0	6.6	15.3	21.9	23.5
107.5°	0.5	6.0	14.2	19.7	21.9
110°	0.5	6.0	12.6	18.6	20.2
112.5°	0.5	6.0	12.0	16.9	19.1
115°	0.5	5.5	11.5	15.8	16.9
117.5°	0.5	5.5	10.9	14.2	15.3
120°	0.5	4.9	10.4	13.1	13.7
122.5°	0.5	4.9	9.8	12.0	12.6
125°	0.5	4.9	9.8	11.5	12.0
127.5°	0.5	4.4	9.3	10.9	10.9
130°	0.5	4.4	8.7	10.4	10.4
132.5°	0.5	3.8	8.2	9.8	10.4
135°	0.5	3.8	7.6	9.3	9.8
137.5°	0.5	3.3	7.1	8.7	9.3
140°	0.5	3.3	6.6	8.2	8.7
142.5°	0.5	2.7	6.0	7.6	8.2
145°	0.5	2.7	5.5	7.1	7.6
147.5°	0.5	2.7	4.9	6.6	7.1
150°	0.5	2.2	4.4	6.0	6.6
152.5°	0.5	2.2	3.8	5.5	6.0
155°	0.5	1.6	3.3	4.9	5.5
157.5°	0.5	1.6	3.3	4.4	4.9
160°	1.1	1.6	2.7	3.8	4.4
162.5°	0.5	1.1	2.7	3.3	3.8
165°	1.1	1.1	2.2	2.7	3.3
167.5°	1.1	1.1	1.6	2.2	2.7
170°	1.1	1.1	1.6	1.6	2.2
172.5°	1.1	1.1	1.1	1.6	1.1
175°	1.1	1.1	1.1	1.1	0.5
177.5°	1.1	1.1	1.1	1.1	0.5



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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)