

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: P565877

Luminaire Tested: **2SNX-SL3-LN-UNV-CC83-CD-5000K-LOW**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P565877  
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-CC83-CD-5000K-LOW  
Description: 2FT 3200 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 5000K, 80CRI, LOW LUMEN SETTING, AND LN LENS  
Light Source: -  
Ballast/Driver: -

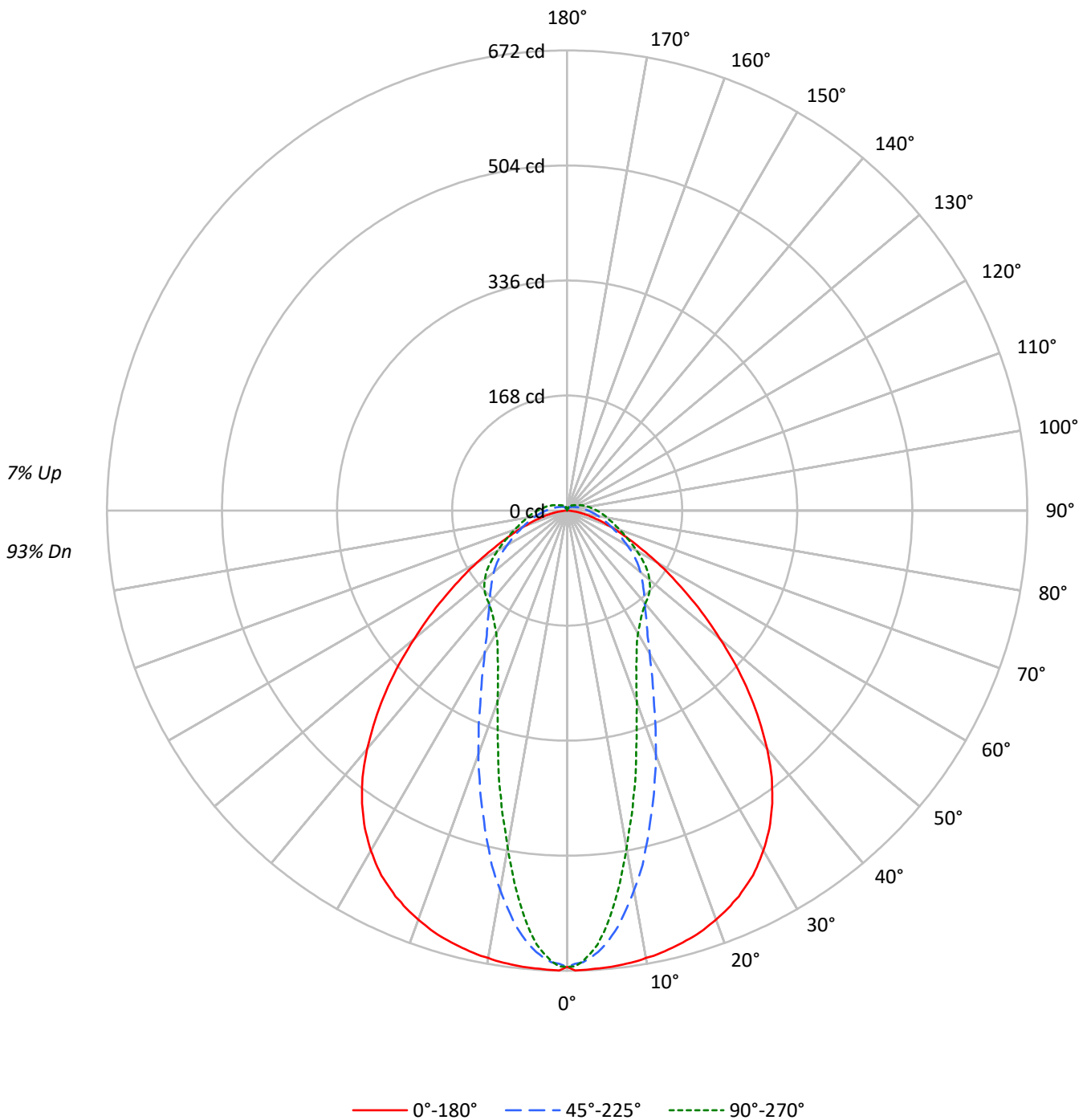
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1062.0 lumens  
Efficiency: N/A  
Efficacy: 159.3 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): 6.666  
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	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°	14342	14342	14342
5°	14365	13149	12615
10°	14292	11249	9788
15°	14234	9156	7335
20°	14133	7278	5490
25°	13948	5692	4356
30°	13597	4598	3716
35°	12965	3883	3381
40°	11930	3421	3199
45°	10541	3123	3102
50°	8869	2867	2930
55°	7225	2591	2674
60°	5715	2273	2346
65°	4378	1990	2042
70°	3334	1755	1807
75°	2506	1569	1645
80°	1684	1429	1530
85°	848	1322	1467



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	59.0	5.6
10°-20°	138.3	13.0
20°-30°	164.2	15.5
30°-40°	165.2	15.6
40°-50°	153.5	14.5
50°-60°	126.4	11.9
60°-70°	89.1	8.4
70°-80°	58.2	5.5
80°-90°	37.2	3.5
90°-100°	24.4	2.3
100°-110°	16.5	1.6
110°-120°	11.3	1.1
120°-130°	7.9	0.7
130°-140°	5.3	0.5
140°-150°	3.3	0.3
150°-160°	1.7	0.2
160°-170°	0.6	0.1
170°-180°	0.1	0.0
0°-30°	361.4	34.0
0°-40°	526.6	49.6
0°-60°	806.5	75.9
0°-90°	991.0	93.3
90°-120°	52.2	4.9
90°-150°	68.6	6.5
90°-180°	71.0	6.7
0°-180°	1062.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	666	666	666	666	666	
5°	670	661	637	624	618	64
15°	653	583	469	410	388	184
25°	610	451	299	251	240	281
35°	522	305	203	190	189	325
45°	375	201	157	165	170	288
55°	215	132	121	135	139	195
65°	101	80	84	94	97	103
75°	40	41	56	66	69	43
85°	7	19	38	49	51	8
90°	0	13	31	42	43	0
95°	0	10	26	35	37	0
105°	0	7	17	24	27	0
115°	1	6	12	18	19	1
125°	1	4	10	13	14	1
135°	1	4	8	10	11	0
145°	1	3	6	8	8	0
155°	1	2	4	6	6	0
165°	1	1	2	3	3	0
175°	1	1	1	1	1	0
180°	1	1	1	1	1	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	666.2	666.2	666.2	666.2	666.2
1°	671.8	669.0	661.8	666.8	665.7
2°	671.2	668.5	660.1	662.3	658.4
3°	670.7	666.8	654.0	653.4	647.9
4°	670.1	664.0	646.2	639.5	635.1
5°	669.6	660.7	636.7	624.5	617.8
6°	669.0	656.8	624.5	606.1	596.7
7°	667.9	650.6	611.7	586.6	574.4
8°	666.8	645.1	595.5	565.5	550.5
9°	665.7	637.8	579.4	542.7	524.9
10°	663.4	630.6	562.7	519.3	500.4
11°	662.3	622.3	546.6	497.0	474.8
12°	660.1	613.3	529.3	473.6	454.2
13°	657.9	603.9	508.2	453.6	430.2
14°	655.6	593.9	489.8	431.3	409.6
15°	652.9	583.3	469.2	410.2	387.9
16°	650.1	571.0	450.8	388.5	365.1
17°	647.3	559.4	433.6	368.5	347.3
18°	644.0	547.7	413.5	349.0	328.4
19°	639.5	534.3	397.4	331.2	312.2
20°	635.6	522.1	379.0	314.5	297.8
21°	631.2	507.0	360.7	298.9	282.2
22.5°	624.5	485.9	337.3	279.4	263.8
23°	621.1	479.8	327.8	272.2	258.8
24°	616.7	463.6	312.2	261.0	247.7
25°	610.0	450.8	298.9	251.0	240.4
26°	603.9	435.2	285.5	242.1	231.5
27°	597.8	420.2	273.8	232.6	223.7
28°	590.0	404.6	261.0	224.9	217.1
29°	581.6	390.2	250.5	218.2	212.1
30°	573.3	374.0	241.6	212.1	207.0
32.5°	549.9	338.4	218.7	200.4	197.0
35°	522.1	305.0	202.6	189.8	188.7
37.5°	490.9	274.4	188.1	181.4	182.6
40°	454.2	246.6	175.9	175.3	177.5
42.5°	415.2	222.6	166.4	170.3	173.7
45°	375.1	200.9	157.0	165.3	169.8
47.5°	333.4	182.0	148.6	159.2	164.2
50°	291.1	163.6	139.7	151.9	157.0
52.5°	253.2	147.5	130.8	143.6	149.2
55°	215.4	131.9	121.3	134.7	139.1
57.5°	182.6	117.4	111.3	124.7	128.0
60°	151.9	103.5	101.3	113.5	117.4
62.5°	124.1	91.3	91.8	103.5	107.4
65°	101.3	79.6	83.5	94.1	97.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	82.4	68.5	75.1	86.3	89.1
70°	65.1	58.4	68.5	78.5	81.3
72.5°	51.8	49.5	61.8	72.4	74.6
75°	39.5	41.2	56.2	66.2	69.0
77.5°	28.4	34.5	50.6	61.2	63.4
80°	20.0	28.4	46.2	56.8	59.0
82.5°	12.8	23.4	41.7	52.9	55.1
85°	6.7	18.9	37.8	49.0	51.2
87.5°	2.8	15.6	34.0	45.1	47.3
90°	0.0	12.8	30.6	41.7	43.4
92.5°	0.0	11.1	27.8	38.4	40.1
95°	0.0	9.5	25.6	35.1	36.7
97.5°	0.0	8.9	22.8	32.3	34.0
100°	0.0	7.8	20.6	29.5	31.7
102.5°	0.0	7.2	18.9	26.7	28.9
105°	0.0	6.7	17.3	24.5	26.7
107.5°	0.0	6.1	16.1	22.8	24.5
110°	0.0	6.1	14.5	21.1	22.8
112.5°	0.6	5.6	13.4	18.9	20.6
115°	0.6	5.6	12.2	17.8	18.9
117.5°	0.6	5.6	11.7	16.1	17.3
120°	0.6	5.0	11.1	15.0	16.1
122.5°	0.6	5.0	10.6	13.9	14.5
125°	0.6	4.5	10.0	12.8	13.9
127.5°	0.6	4.5	9.5	12.2	12.8
130°	0.6	4.5	8.9	11.1	12.2
132.5°	0.6	3.9	8.3	10.6	11.1
135°	0.6	3.9	7.8	10.0	10.6
137.5°	0.6	3.3	7.2	9.5	10.0
140°	0.6	3.3	6.7	8.9	9.5
142.5°	0.6	2.8	6.1	8.3	8.9
145°	0.6	2.8	5.6	7.8	8.3
147.5°	0.6	2.8	5.0	7.2	7.8
150°	0.6	2.2	4.5	6.7	7.2
152.5°	0.6	2.2	3.9	6.1	6.7
155°	0.6	2.2	3.9	5.6	6.1
157.5°	0.6	1.7	3.3	4.5	5.6
160°	0.6	1.7	2.8	3.9	5.0
162.5°	0.6	1.7	2.8	3.3	3.9
165°	0.6	1.1	2.2	2.8	3.3
167.5°	0.6	1.1	1.7	2.2	2.8
170°	0.6	1.1	1.7	1.7	2.2
172.5°	0.6	1.1	1.1	1.1	1.1
175°	1.1	1.1	1.1	1.1	0.6
177.5°	1.1	1.1	1.1	0.6	0.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	0.6	0.6	0.6	0.6	0.6

(END OF REPORT)