

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: P565872

Luminaire Tested: **2SNX-SL3-LN-UNV-CC83-CD-3500K-MED**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P565872  
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-3500K-MED  
Description: 2FT 3200 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 3500K, 80CRI, MED LUMEN SETTING, AND LN LENS  
Light Source: -  
Ballast/Driver: -

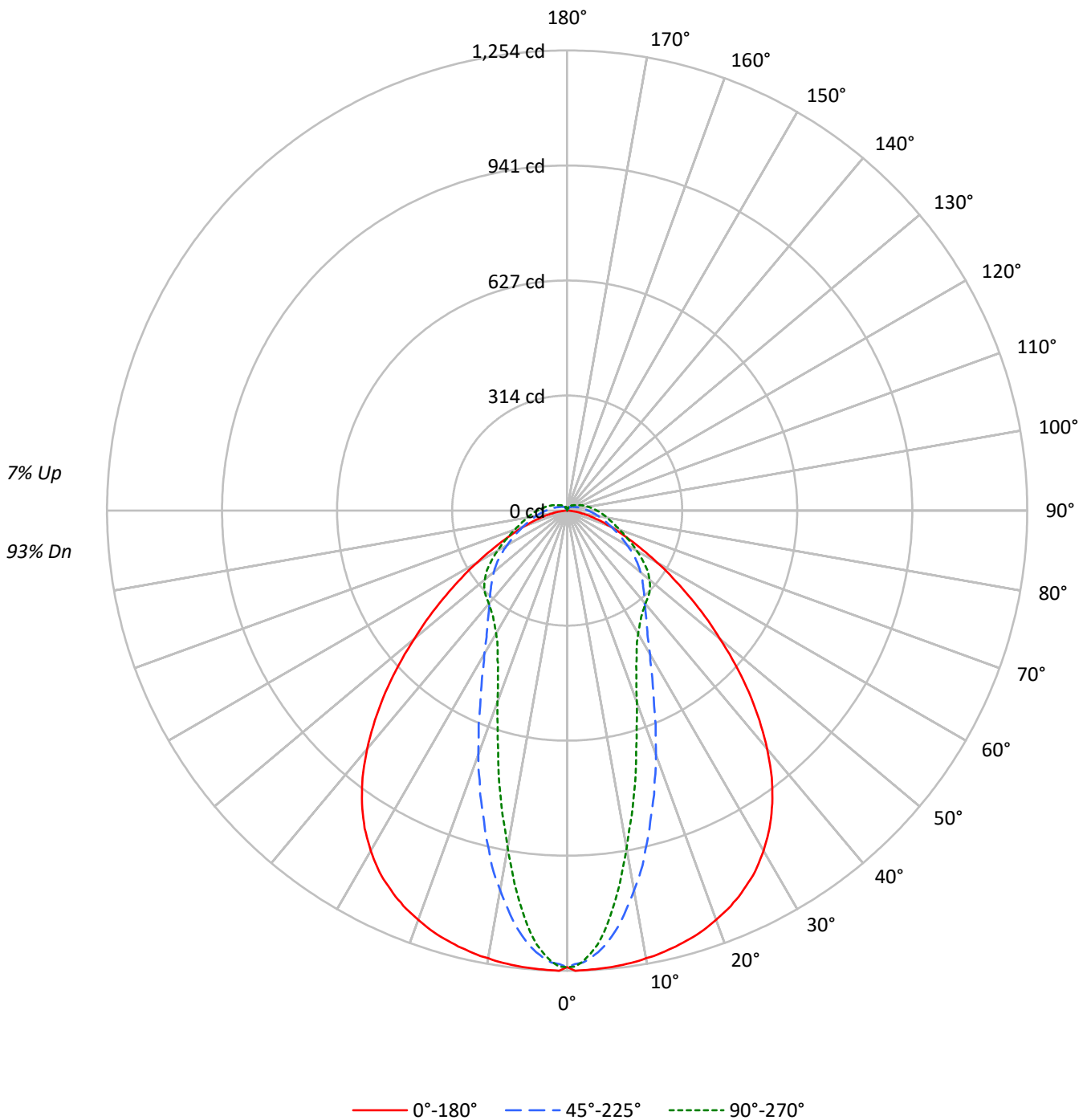
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1983.0 lumens  
Efficiency: N/A  
Efficacy: 143.1 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): 13.86  
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	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°	26781	26781	26781
5°	26821	24553	23555
10°	26688	21004	18275
15°	26577	17096	13698
20°	26389	13590	10250
25°	26043	10628	8136
30°	25387	8583	6939
35°	24206	7250	6312
40°	22273	6387	5974
45°	19686	5831	5791
50°	16558	5354	5470
55°	13490	4839	4995
60°	10674	4244	4382
65°	8172	3716	3814
70°	6228	3274	3372
75°	4682	2931	3074
80°	3149	2670	2858
85°	1581	2473	2739



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	110.2	5.6
10°-20°	258.2	13.0
20°-30°	306.5	15.5
30°-40°	308.4	15.6
40°-50°	286.7	14.5
50°-60°	236.0	11.9
60°-70°	166.3	8.4
70°-80°	108.7	5.5
80°-90°	69.4	3.5
90°-100°	45.5	2.3
100°-110°	30.9	1.6
110°-120°	21.2	1.1
120°-130°	14.6	0.7
130°-140°	9.8	0.5
140°-150°	6.1	0.3
150°-160°	3.2	0.2
160°-170°	1.1	0.1
170°-180°	0.2	0.0
0°-30°	674.9	34.0
0°-40°	983.3	49.6
0°-60°	1506.0	75.9
0°-90°	1850.4	93.3
90°-120°	97.5	4.9
90°-150°	128.1	6.5
90°-180°	133.0	6.7
0°-180°	1983.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1244	1244	1244	1244	1244	
5°	1250	1234	1189	1166	1154	119
15°	1219	1089	876	766	724	344
25°	1139	842	558	469	449	524
35°	975	570	378	354	352	606
45°	700	375	293	309	317	538
55°	402	246	227	252	260	363
65°	189	149	156	176	182	192
75°	74	77	105	124	129	80
85°	12	35	71	92	96	16
90°	0	24	57	78	81	1
95°	0	18	48	66	69	0
105°	0	12	32	46	50	0
115°	1	10	23	33	35	1
125°	1	8	19	24	26	1
135°	1	7	14	19	20	1
145°	1	5	10	14	16	1
155°	1	4	7	10	11	0
165°	1	2	4	5	6	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°	1244.0	1244.0	1244.0	1244.0	1244.0
1°	1254.4	1249.2	1235.7	1245.0	1243.0
2°	1253.3	1248.2	1232.6	1236.7	1229.4
3°	1252.3	1245.0	1221.1	1220.1	1209.7
4°	1251.3	1239.8	1206.6	1194.1	1185.8
5°	1250.2	1233.6	1188.9	1166.1	1153.6
6°	1249.2	1226.3	1166.1	1131.8	1114.1
7°	1247.1	1214.9	1142.1	1095.4	1072.5
8°	1245.0	1204.5	1112.0	1055.9	1027.8
9°	1243.0	1191.0	1081.9	1013.3	980.0
10°	1238.8	1177.5	1050.7	969.6	934.3
11°	1236.7	1161.9	1020.6	928.1	886.5
12°	1232.6	1145.3	988.3	884.4	848.0
13°	1228.4	1127.6	948.8	847.0	803.3
14°	1224.2	1108.9	914.5	805.4	764.9
15°	1219.1	1089.1	876.1	765.9	724.4
16°	1213.9	1066.3	841.8	725.4	681.8
17°	1208.7	1044.5	809.6	688.0	648.5
18°	1202.4	1022.6	772.2	651.6	613.2
19°	1194.1	997.7	742.0	618.4	583.0
20°	1186.8	974.8	707.7	587.2	556.0
21°	1178.5	946.8	673.4	558.1	526.9
22.5°	1166.1	907.3	629.8	521.7	492.6
23°	1159.8	895.8	612.1	508.2	483.3
24°	1151.5	865.7	583.0	487.4	462.5
25°	1139.0	841.8	558.1	468.7	449.0
26°	1127.6	812.7	533.1	452.1	432.3
27°	1116.2	784.6	511.3	434.4	417.8
28°	1101.6	755.5	487.4	419.9	405.3
29°	1086.0	728.5	467.7	407.4	396.0
30°	1070.4	698.4	451.0	396.0	386.6
32.5°	1026.8	631.9	408.4	374.1	367.9
35°	974.8	569.5	378.3	354.4	352.3
37.5°	916.6	512.4	351.3	338.8	340.9
40°	848.0	460.4	328.4	327.4	331.5
42.5°	775.3	415.7	310.7	318.0	324.2
45°	700.5	375.2	293.1	308.7	317.0
47.5°	622.5	339.8	277.5	297.2	306.6
50°	543.5	305.5	260.9	283.7	293.1
52.5°	472.9	275.4	244.2	268.1	278.5
55°	402.2	246.3	226.6	251.5	259.8
57.5°	340.9	219.3	207.9	232.8	239.0
60°	283.7	193.3	189.1	212.0	219.3
62.5°	231.8	170.4	171.5	193.3	200.6
65°	189.1	148.6	155.9	175.6	181.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	153.8	127.8	140.3	161.1	166.3
70°	121.6	109.1	127.8	146.5	151.7
72.5°	96.7	92.5	115.4	135.1	139.3
75°	73.8	76.9	105.0	123.7	128.9
77.5°	53.0	64.4	94.6	114.3	118.5
80°	37.4	53.0	86.3	106.0	110.2
82.5°	23.9	43.6	77.9	98.7	102.9
85°	12.5	35.3	70.7	91.5	95.6
87.5°	5.2	29.1	63.4	84.2	88.3
90°	0.0	23.9	57.2	77.9	81.1
92.5°	0.0	20.8	52.0	71.7	74.8
95°	0.0	17.7	47.8	65.5	68.6
97.5°	0.0	16.6	42.6	60.3	63.4
100°	0.0	14.5	38.5	55.1	59.2
102.5°	0.0	13.5	35.3	49.9	54.0
105°	0.0	12.5	32.2	45.7	49.9
107.5°	0.0	11.4	30.1	42.6	45.7
110°	0.0	11.4	27.0	39.5	42.6
112.5°	1.0	10.4	24.9	35.3	38.5
115°	1.0	10.4	22.9	33.3	35.3
117.5°	1.0	10.4	21.8	30.1	32.2
120°	1.0	9.4	20.8	28.1	30.1
122.5°	1.0	9.4	19.7	26.0	27.0
125°	1.0	8.3	18.7	23.9	26.0
127.5°	1.0	8.3	17.7	22.9	23.9
130°	1.0	8.3	16.6	20.8	22.9
132.5°	1.0	7.3	15.6	19.7	20.8
135°	1.0	7.3	14.5	18.7	19.7
137.5°	1.0	6.2	13.5	17.7	18.7
140°	1.0	6.2	12.5	16.6	17.7
142.5°	1.0	5.2	11.4	15.6	16.6
145°	1.0	5.2	10.4	14.5	15.6
147.5°	1.0	5.2	9.4	13.5	14.5
150°	1.0	4.2	8.3	12.5	13.5
152.5°	1.0	4.2	7.3	11.4	12.5
155°	1.0	4.2	7.3	10.4	11.4
157.5°	1.0	3.1	6.2	8.3	10.4
160°	1.0	3.1	5.2	7.3	9.4
162.5°	1.0	3.1	5.2	6.2	7.3
165°	1.0	2.1	4.2	5.2	6.2
167.5°	1.0	2.1	3.1	4.2	5.2
170°	1.0	2.1	3.1	3.1	4.2
172.5°	1.0	2.1	2.1	2.1	2.1
175°	2.1	2.1	2.1	2.1	1.0
177.5°	2.1	2.1	2.1	1.0	1.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	1.0	1.0	1.0	1.0	1.0

(END OF REPORT)