

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: P565887

Luminaire Tested: **2SNX-SL3-LN-UNV-CC93-CD-5000K-MED**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P565887  
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-5000K-MED  
Description: 2FT 3200 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 5000K, 90CRI, MED LUMEN SETTING, AND LN LENS  
Light Source: -  
Ballast/Driver: -

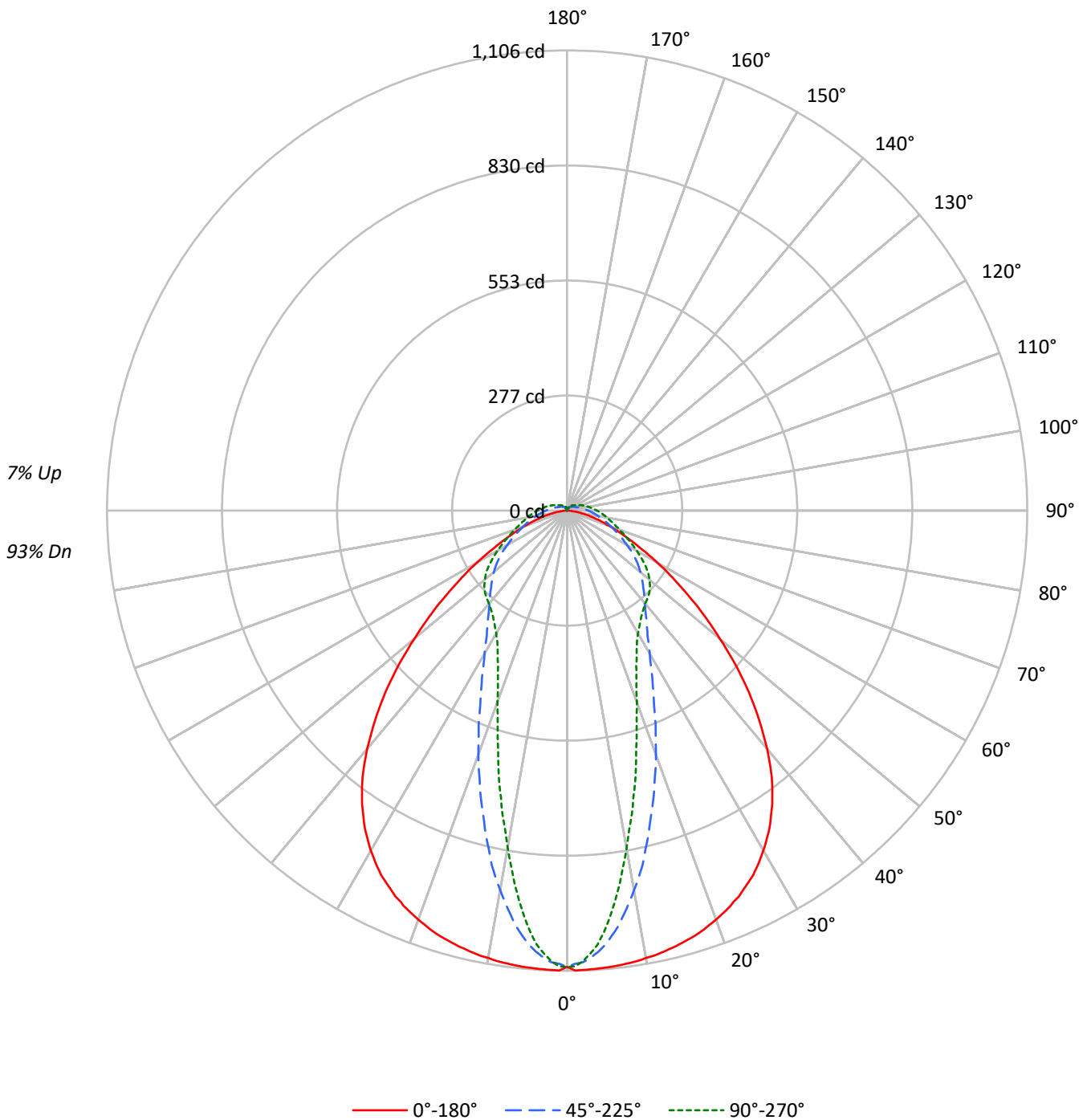
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1748.0 lumens  
Efficiency: N/A  
Efficacy: 132.4 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): 13.2  
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°	23607	23607	23607
5°	23644	21643	20764
10°	23525	18515	16110
15°	23427	15071	12074
20°	23262	11981	9035
25°	22956	9368	7172
30°	22379	7567	6117
35°	21338	6391	5565
40°	19634	5630	5266
45°	17354	5139	5104
50°	14596	4718	4821
55°	11890	4265	4403
60°	9410	3741	3863
65°	7204	3275	3361
70°	5490	2887	2974
75°	4124	2582	2709
80°	2778	2351	2518
85°	1392	2179	2416



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	97.1	5.6
10°-20°	227.6	13.0
20°-30°	270.2	15.5
30°-40°	271.8	15.6
40°-50°	252.7	14.5
50°-60°	208.1	11.9
60°-70°	146.6	8.4
70°-80°	95.8	5.5
80°-90°	61.2	3.5
90°-100°	40.1	2.3
100°-110°	27.2	1.6
110°-120°	18.7	1.1
120°-130°	12.9	0.7
130°-140°	8.7	0.5
140°-150°	5.4	0.3
150°-160°	2.8	0.2
160°-170°	1.0	0.1
170°-180°	0.2	0.0
0°-30°	594.9	34.0
0°-40°	866.8	49.6
0°-60°	1327.5	75.9
0°-90°	1631.1	93.3
90°-120°	86.0	4.9
90°-150°	113.0	6.5
90°-180°	117.0	6.7
0°-180°	1748.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1097	1097	1097	1097	1097	
5°	1102	1087	1048	1028	1017	105
15°	1075	960	772	675	638	303
25°	1004	742	492	413	396	462
35°	859	502	334	312	311	534
45°	618	331	258	272	279	474
55°	354	217	200	222	229	320
65°	167	131	137	155	160	169
75°	65	68	92	109	114	70
85°	11	31	62	81	84	14
90°	0	21	50	69	72	1
95°	0	16	42	58	60	0
105°	0	11	28	40	44	0
115°	1	9	20	29	31	1
125°	1	7	16	21	23	1
135°	1	6	13	16	17	1
145°	1	5	9	13	14	1
155°	1	4	6	9	10	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°	1096.6	1096.6	1096.6	1096.6	1096.6
1°	1105.7	1101.2	1089.2	1097.5	1095.7
2°	1104.8	1100.2	1086.5	1090.2	1083.7
3°	1103.9	1097.5	1076.4	1075.5	1066.3
4°	1103.0	1092.9	1063.6	1052.6	1045.3
5°	1102.1	1087.4	1048.0	1027.9	1016.9
6°	1101.2	1081.0	1027.9	997.6	982.1
7°	1099.3	1070.9	1006.8	965.6	945.4
8°	1097.5	1061.8	980.2	930.8	906.0
9°	1095.7	1049.9	953.7	893.2	863.9
10°	1092.0	1037.9	926.2	854.7	823.6
11°	1090.2	1024.2	899.6	818.1	781.4
12°	1086.5	1009.5	871.2	779.6	747.5
13°	1082.8	994.0	836.4	746.6	708.1
14°	1079.2	977.5	806.2	710.0	674.3
15°	1074.6	960.1	772.3	675.2	638.5
16°	1070.0	939.9	742.0	639.4	601.0
17°	1065.4	920.7	713.6	606.5	571.6
18°	1059.9	901.4	680.7	574.4	540.5
19°	1052.6	879.5	654.1	545.1	513.9
20°	1046.2	859.3	623.9	517.6	490.1
21°	1038.9	834.6	593.6	491.9	464.5
22.5°	1027.9	799.8	555.2	459.9	434.2
23°	1022.4	789.7	539.6	448.0	426.0
24°	1015.0	763.1	513.9	429.7	407.7
25°	1004.0	742.0	491.9	413.2	395.8
26°	994.0	716.4	470.0	398.5	381.1
27°	983.9	691.7	450.7	382.9	368.3
28°	971.1	666.0	429.7	370.1	357.3
29°	957.3	642.2	412.2	359.1	349.0
30°	943.6	615.6	397.6	349.0	340.8
32.5°	905.1	557.0	360.0	329.8	324.3
35°	859.3	502.0	333.5	312.4	310.6
37.5°	808.0	451.6	309.6	298.6	300.5
40°	747.5	405.8	289.5	288.6	292.2
42.5°	683.4	366.4	273.9	280.3	285.8
45°	617.5	330.7	258.3	272.1	279.4
47.5°	548.7	299.6	244.6	262.0	270.2
50°	479.1	269.3	229.9	250.1	258.3
52.5°	416.8	242.8	215.3	236.4	245.5
55°	354.5	217.1	199.7	221.7	229.0
57.5°	300.5	193.3	183.2	205.2	210.7
60°	250.1	170.4	166.7	186.9	193.3
62.5°	204.3	150.2	151.2	170.4	176.8
65°	166.7	131.0	137.4	154.8	160.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	135.6	112.7	123.7	142.0	146.6
70°	107.2	96.2	112.7	129.2	133.8
72.5°	85.2	81.5	101.7	119.1	122.8
75°	65.0	67.8	92.5	109.0	113.6
77.5°	46.7	56.8	83.4	100.8	104.4
80°	33.0	46.7	76.0	93.4	97.1
82.5°	21.1	38.5	68.7	87.0	90.7
85°	11.0	31.1	62.3	80.6	84.3
87.5°	4.6	25.7	55.9	74.2	77.9
90°	0.0	21.1	50.4	68.7	71.5
92.5°	0.0	18.3	45.8	63.2	66.0
95°	0.0	15.6	42.1	57.7	60.5
97.5°	0.0	14.7	37.6	53.1	55.9
100°	0.0	12.8	33.9	48.6	52.2
102.5°	0.0	11.9	31.1	44.0	47.6
105°	0.0	11.0	28.4	40.3	44.0
107.5°	0.0	10.1	26.6	37.6	40.3
110°	0.0	10.1	23.8	34.8	37.6
112.5°	0.9	9.2	22.0	31.1	33.9
115°	0.9	9.2	20.2	29.3	31.1
117.5°	0.9	9.2	19.2	26.6	28.4
120°	0.9	8.2	18.3	24.7	26.6
122.5°	0.9	8.2	17.4	22.9	23.8
125°	0.9	7.3	16.5	21.1	22.9
127.5°	0.9	7.3	15.6	20.2	21.1
130°	0.9	7.3	14.7	18.3	20.2
132.5°	0.9	6.4	13.7	17.4	18.3
135°	0.9	6.4	12.8	16.5	17.4
137.5°	0.9	5.5	11.9	15.6	16.5
140°	0.9	5.5	11.0	14.7	15.6
142.5°	0.9	4.6	10.1	13.7	14.7
145°	0.9	4.6	9.2	12.8	13.7
147.5°	0.9	4.6	8.2	11.9	12.8
150°	0.9	3.7	7.3	11.0	11.9
152.5°	0.9	3.7	6.4	10.1	11.0
155°	0.9	3.7	6.4	9.2	10.1
157.5°	0.9	2.7	5.5	7.3	9.2
160°	0.9	2.7	4.6	6.4	8.2
162.5°	0.9	2.7	4.6	5.5	6.4
165°	0.9	1.8	3.7	4.6	5.5
167.5°	0.9	1.8	2.7	3.7	4.6
170°	0.9	1.8	2.7	2.7	3.7
172.5°	0.9	1.8	1.8	1.8	1.8
175°	1.8	1.8	1.8	1.8	0.9
177.5°	1.8	1.8	1.8	0.9	0.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	0.9	0.9	0.9	0.9	0.9

(END OF REPORT)