

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: P565516

Luminaire Tested: **2SNX-19SL-LN-UNV-L840-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P565516  
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-19SL-LN-UNV-L840-CD  
Description: 2FT 1900 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND LN LENS  
Light Source: -  
Ballast/Driver: -

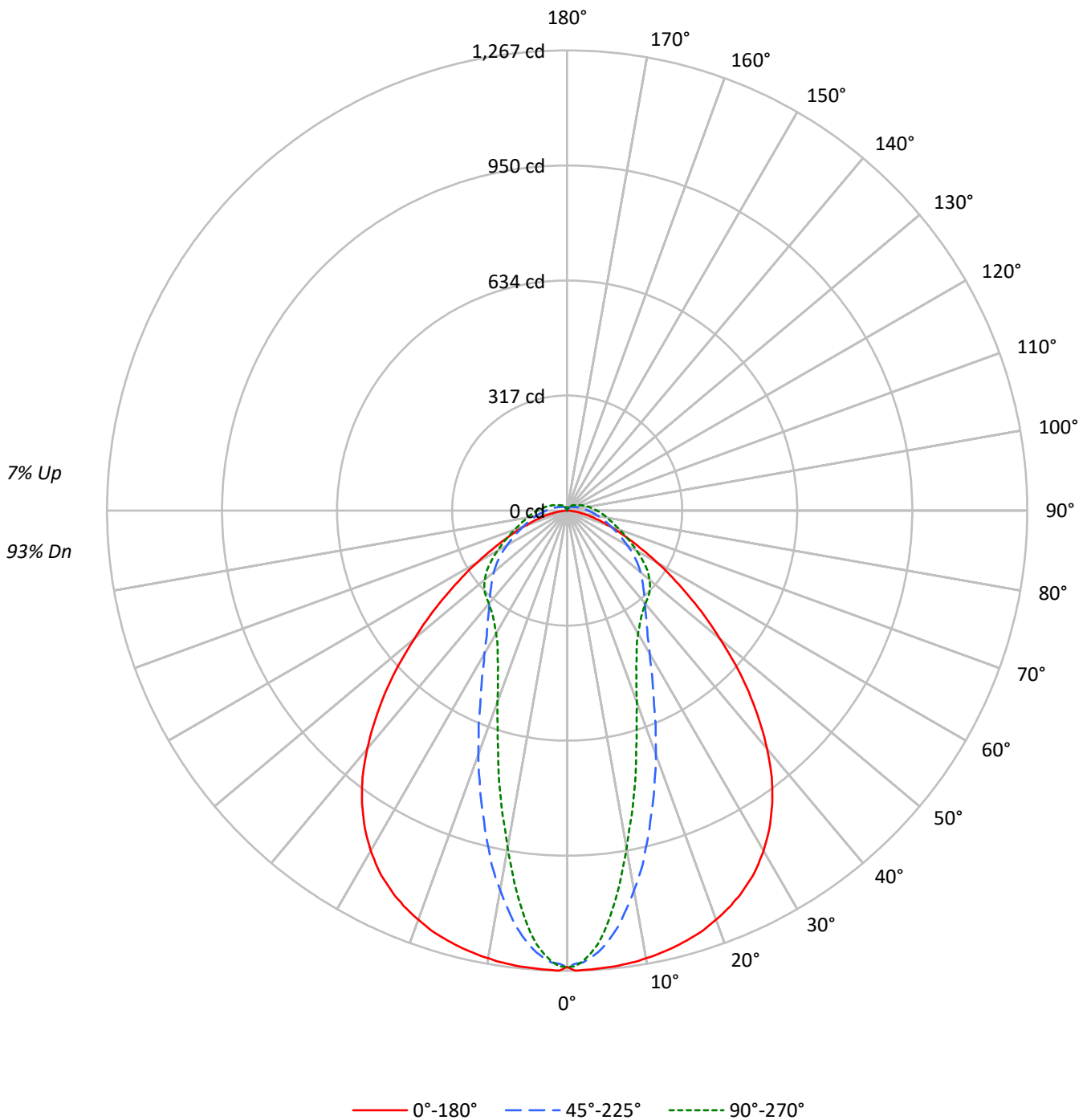
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2002.9 lumens  
Efficiency: N/A  
Efficacy: 166.9 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): 12  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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°	27050	27050	27050
5°	27092	24801	23792
10°	26957	21216	18459
15°	26843	17268	13836
20°	26655	13728	10354
25°	26306	10735	8217
30°	25643	8671	7009
35°	24452	7323	6377
40°	22499	6451	6035
45°	19883	5889	5849
50°	16726	5407	5524
55°	13628	4886	5045
60°	10783	4289	4426
65°	8259	3754	3851
70°	6289	3307	3408
75°	4727	2959	3105
80°	3182	2694	2886
85°	1594	2497	2768



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	111.3	5.6
10°-20°	260.8	13.0
20°-30°	309.6	15.5
30°-40°	311.5	15.6
40°-50°	289.6	14.5
50°-60°	238.4	11.9
60°-70°	168.0	8.4
70°-80°	109.8	5.5
80°-90°	70.1	3.5
90°-100°	45.9	2.3
100°-110°	31.2	1.6
110°-120°	21.4	1.1
120°-130°	14.8	0.7
130°-140°	9.9	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°	681.7	34.0
0°-40°	993.2	49.6
0°-60°	1521.2	76.0
0°-90°	1869.0	93.3
90°-120°	98.5	4.9
90°-150°	129.3	6.5
90°-180°	134.0	6.7
0°-180°	2002.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1256	1256	1256	1256	1256	
5°	1263	1246	1201	1178	1165	120
15°	1231	1100	885	774	732	348
25°	1150	850	564	473	454	529
35°	985	575	382	358	356	612
45°	708	379	296	312	320	543
55°	406	249	229	254	262	367
65°	191	150	158	177	184	194
75°	74	78	106	125	130	81
85°	13	36	71	92	97	16
90°	0	24	58	79	82	1
95°	0	18	48	66	69	0
105°	0	13	32	46	50	0
115°	1	10	23	34	36	1
125°	1	8	19	24	26	1
135°	1	7	15	19	20	1
145°	1	5	10	15	16	1
155°	1	4	7	10	12	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°	1256.5	1256.5	1256.5	1256.5	1256.5
1°	1267.0	1261.8	1248.1	1257.6	1255.5
2°	1266.0	1260.7	1245.0	1249.2	1241.8
3°	1264.9	1257.6	1233.4	1232.4	1221.9
4°	1263.9	1252.3	1218.8	1206.2	1197.8
5°	1262.8	1246.0	1200.9	1177.8	1165.2
6°	1261.8	1238.7	1177.8	1143.2	1125.3
7°	1259.7	1227.1	1153.7	1106.4	1083.3
8°	1257.6	1216.7	1123.2	1066.5	1038.2
9°	1255.5	1203.0	1092.8	1023.5	989.9
10°	1251.3	1189.4	1061.3	979.4	943.7
11°	1249.2	1173.6	1030.8	937.4	895.4
12°	1245.0	1156.8	998.3	893.3	856.6
13°	1240.8	1139.0	958.4	855.5	811.5
14°	1236.6	1120.1	923.8	813.6	772.6
15°	1231.3	1100.1	884.9	773.7	731.7
16°	1226.1	1077.0	850.3	732.7	688.6
17°	1220.9	1055.0	817.7	694.9	655.0
18°	1214.6	1032.9	780.0	658.2	619.3
19°	1206.2	1007.8	749.5	624.6	588.9
20°	1198.8	984.7	714.9	593.1	561.6
21°	1190.4	956.3	680.2	563.7	532.2
22.5°	1177.8	916.4	636.1	527.0	497.6
23°	1171.5	904.9	618.3	513.3	488.1
24°	1163.1	874.4	588.9	492.3	467.1
25°	1150.5	850.3	563.7	473.4	453.5
26°	1139.0	820.9	538.5	456.6	436.7
27°	1127.4	792.6	516.5	438.8	422.0
28°	1112.7	763.2	492.3	424.1	409.4
29°	1097.0	735.9	472.4	411.5	400.0
30°	1081.2	705.4	455.6	400.0	390.5
32.5°	1037.1	638.2	412.5	377.9	371.6
35°	984.7	575.3	382.1	358.0	355.9
37.5°	925.9	517.5	354.8	342.2	344.3
40°	856.6	465.0	331.7	330.7	334.9
42.5°	783.1	419.9	313.9	321.2	327.5
45°	707.5	379.0	296.0	311.8	320.2
47.5°	628.8	343.3	280.3	300.2	309.7
50°	549.0	308.6	263.5	286.6	296.0
52.5°	477.6	278.2	246.7	270.8	281.3
55°	406.3	248.8	228.8	254.0	262.4
57.5°	344.3	221.5	209.9	235.1	241.4
60°	286.6	195.3	191.1	214.1	221.5
62.5°	234.1	172.2	173.2	195.3	202.6
65°	191.1	150.1	157.5	177.4	183.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	155.4	129.1	141.7	162.7	168.0
70°	122.8	110.2	129.1	148.0	153.3
72.5°	97.6	93.4	116.5	136.5	140.7
75°	74.5	77.7	106.0	124.9	130.2
77.5°	53.5	65.1	95.5	115.5	119.7
80°	37.8	53.5	87.1	107.1	111.3
82.5°	24.1	44.1	78.7	99.7	103.9
85°	12.6	35.7	71.4	92.4	96.6
87.5°	5.2	29.4	64.0	85.0	89.2
90°	0.0	24.1	57.7	78.7	81.9
92.5°	0.0	21.0	52.5	72.4	75.6
95°	0.0	17.8	48.3	66.1	69.3
97.5°	0.0	16.8	43.0	60.9	64.0
100°	0.0	14.7	38.8	55.6	59.8
102.5°	0.0	13.6	35.7	50.4	54.6
105°	0.0	12.6	32.5	46.2	50.4
107.5°	0.0	11.5	30.4	43.0	46.2
110°	0.0	11.5	27.3	39.9	43.0
112.5°	1.0	10.5	25.2	35.7	38.8
115°	1.0	10.5	23.1	33.6	35.7
117.5°	1.0	10.5	22.0	30.4	32.5
120°	1.0	9.4	21.0	28.3	30.4
122.5°	1.0	9.4	19.9	26.2	27.3
125°	1.0	8.4	18.9	24.1	26.2
127.5°	1.0	8.4	17.8	23.1	24.1
130°	1.0	8.4	16.8	21.0	23.1
132.5°	1.0	7.3	15.7	19.9	21.0
135°	1.0	7.3	14.7	18.9	19.9
137.5°	1.0	6.3	13.6	17.8	18.9
140°	1.0	6.3	12.6	16.8	17.8
142.5°	1.0	5.2	11.5	15.7	16.8
145°	1.0	5.2	10.5	14.7	15.7
147.5°	1.0	5.2	9.4	13.6	14.7
150°	1.0	4.2	8.4	12.6	13.6
152.5°	1.0	4.2	7.3	11.5	12.6
155°	1.0	4.2	7.3	10.5	11.5
157.5°	1.0	3.1	6.3	8.4	10.5
160°	1.0	3.1	5.2	7.3	9.4
162.5°	1.0	3.1	5.2	6.3	7.3
165°	1.0	2.1	4.2	5.2	6.3
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)