

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: P565517

Luminaire Tested: **2SNX-19SL-LN-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565517
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-L850-CD
Description: 2FT 1900 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

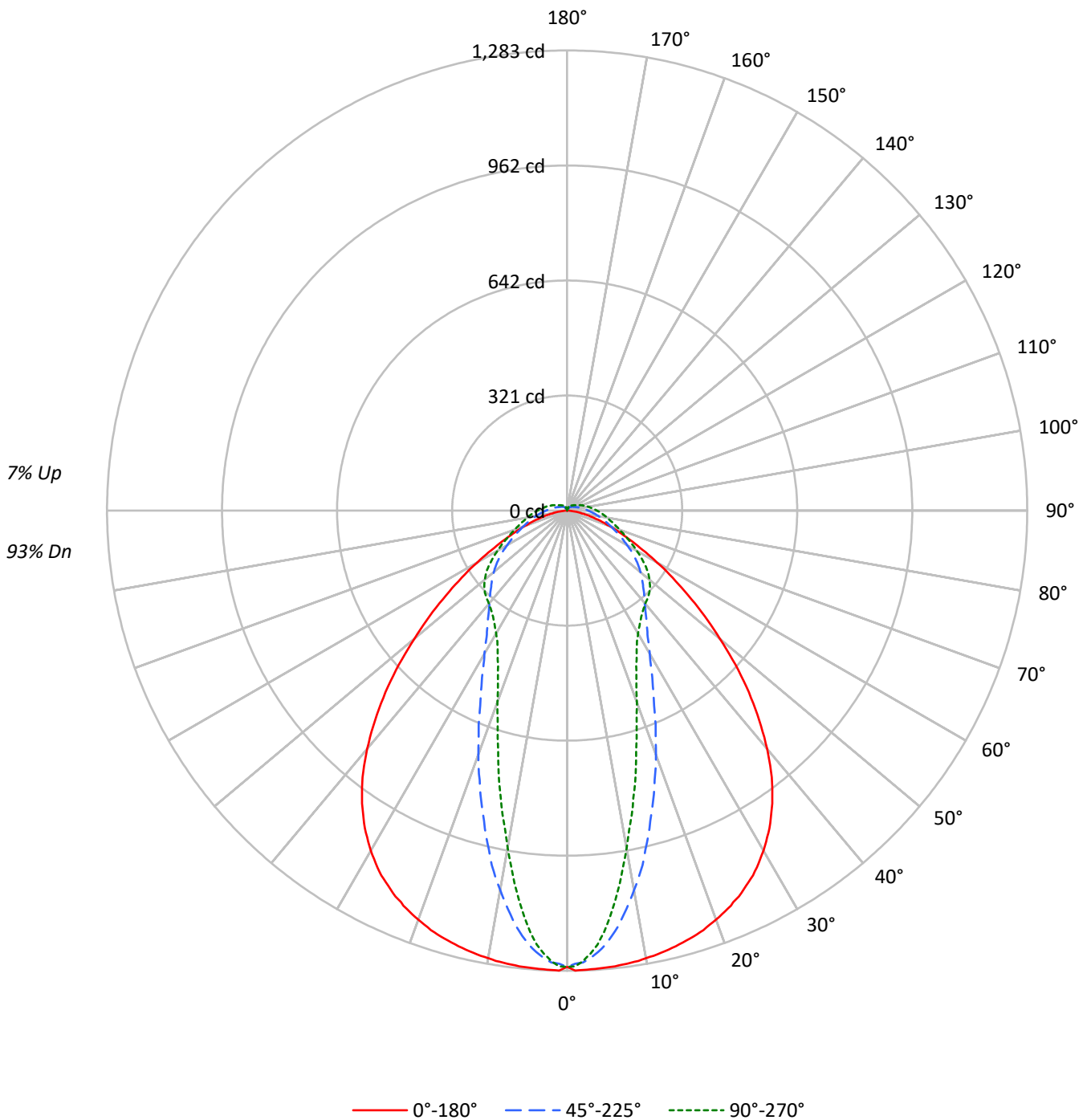
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2028.0 lumens
Efficiency: N/A
Efficacy: 169.0 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 (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°	27388	27388	27388
5°	27431	25111	24090
10°	27293	21480	18690
15°	27179	17485	14008
20°	26989	13899	10483
25°	26635	10868	8319
30°	25963	8779	7097
35°	24755	7415	6455
40°	22780	6533	6109
45°	20133	5962	5922
50°	16936	5475	5593
55°	13795	4948	5109
60°	10919	4340	4482
65°	8358	3799	3900
70°	6371	3348	3450
75°	4790	2996	3143
80°	3224	2728	2922
85°	1619	2529	2802



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.7	5.6
10°-20°	264.1	13.0
20°-30°	313.5	15.5
30°-40°	315.4	15.6
40°-50°	293.2	14.5
50°-60°	241.4	11.9
60°-70°	170.1	8.4
70°-80°	111.1	5.5
80°-90°	70.9	3.5
90°-100°	46.5	2.3
100°-110°	31.6	1.6
110°-120°	21.6	1.1
120°-130°	15.0	0.7
130°-140°	10.1	0.5
140°-150°	6.2	0.3
150°-160°	3.2	0.2
160°-170°	1.2	0.1
170°-180°	0.2	0.0
0°-30°	690.2	34.0
0°-40°	1005.6	49.6
0°-60°	1540.2	75.9
0°-90°	1892.4	93.3
90°-120°	99.8	4.9
90°-150°	131.0	6.5
90°-180°	136.0	6.7
0°-180°	2028.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1272	1272	1272	1272	1272	
5°	1279	1262	1216	1192	1180	122
15°	1247	1114	896	783	741	352
25°	1165	861	571	479	459	536
35°	997	582	387	362	360	620
45°	716	384	300	316	324	550
55°	411	252	232	257	266	371
65°	193	152	159	180	186	196
75°	76	79	107	126	132	82
85°	13	36	72	94	98	16
90°	0	24	58	80	83	1
95°	0	18	49	67	70	0
105°	0	13	33	47	51	0
115°	1	11	23	34	36	1
125°	1	8	19	24	27	1
135°	1	7	15	19	20	1
145°	1	5	11	15	16	1
155°	1	4	7	11	12	1
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°	1272.2	1272.2	1272.2	1272.2	1272.2
1°	1282.9	1277.5	1263.7	1273.3	1271.2
2°	1281.8	1276.5	1260.5	1264.8	1257.3
3°	1280.7	1273.3	1248.8	1247.8	1237.2
4°	1279.7	1268.0	1234.0	1221.2	1212.7
5°	1278.6	1261.6	1215.9	1192.5	1179.8
6°	1277.5	1254.2	1192.5	1157.4	1139.4
7°	1275.4	1242.5	1168.1	1120.2	1096.9
8°	1273.3	1231.8	1137.2	1079.9	1051.2
9°	1271.2	1218.0	1106.4	1036.3	1002.3
10°	1266.9	1204.2	1074.5	991.6	955.5
11°	1264.8	1188.3	1043.7	949.1	906.6
12°	1260.5	1171.3	1010.8	904.5	867.3
13°	1256.3	1153.2	970.4	866.2	821.6
14°	1252.0	1134.1	935.3	823.7	782.3
15°	1246.7	1113.9	896.0	783.3	740.8
16°	1241.4	1090.5	860.9	741.9	697.2
17°	1236.1	1068.2	828.0	703.6	663.2
18°	1229.7	1045.8	789.7	666.4	627.1
19°	1221.2	1020.3	758.9	632.4	596.3
20°	1213.8	996.9	723.8	600.5	568.6
21°	1205.3	968.3	688.7	570.7	538.9
22.5°	1192.5	927.9	644.1	533.5	503.8
23°	1186.1	916.2	626.0	519.7	494.2
24°	1177.6	885.3	596.3	498.5	473.0
25°	1164.9	860.9	570.7	479.3	459.1
26°	1153.2	831.1	545.2	462.3	442.1
27°	1141.5	802.4	522.9	444.3	427.3
28°	1126.6	772.7	498.5	429.4	414.5
29°	1110.7	745.1	478.3	416.6	404.9
30°	1094.7	714.2	461.3	404.9	395.4
32.5°	1050.1	646.2	417.7	382.6	376.2
35°	996.9	582.4	386.9	362.4	360.3
37.5°	937.4	524.0	359.2	346.5	348.6
40°	867.3	470.8	335.9	334.8	339.0
42.5°	792.9	425.1	317.8	325.2	331.6
45°	716.4	383.7	299.7	315.7	324.2
47.5°	636.6	347.6	283.8	304.0	313.5
50°	555.9	312.5	266.8	290.2	299.7
52.5°	483.6	281.7	249.8	274.2	284.8
55°	411.3	251.9	231.7	257.2	265.7
57.5°	348.6	224.3	212.6	238.1	244.5
60°	290.2	197.7	193.4	216.8	224.3
62.5°	237.0	174.3	175.4	197.7	205.1
65°	193.4	152.0	159.4	179.6	186.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	157.3	130.7	143.5	164.7	170.1
70°	124.4	111.6	130.7	149.9	155.2
72.5°	98.8	94.6	118.0	138.2	142.4
75°	75.5	78.7	107.3	126.5	131.8
77.5°	54.2	65.9	96.7	116.9	121.2
80°	38.3	54.2	88.2	108.4	112.7
82.5°	24.4	44.6	79.7	101.0	105.2
85°	12.8	36.1	72.3	93.5	97.8
87.5°	5.3	29.8	64.8	86.1	90.3
90°	0.0	24.4	58.5	79.7	82.9
92.5°	0.0	21.3	53.1	73.3	76.5
95°	0.0	18.1	48.9	67.0	70.1
97.5°	0.0	17.0	43.6	61.6	64.8
100°	0.0	14.9	39.3	56.3	60.6
102.5°	0.0	13.8	36.1	51.0	55.3
105°	0.0	12.8	32.9	46.8	51.0
107.5°	0.0	11.7	30.8	43.6	46.8
110°	0.0	11.7	27.6	40.4	43.6
112.5°	1.1	10.6	25.5	36.1	39.3
115°	1.1	10.6	23.4	34.0	36.1
117.5°	1.1	10.6	22.3	30.8	32.9
120°	1.1	9.6	21.3	28.7	30.8
122.5°	1.1	9.6	20.2	26.6	27.6
125°	1.1	8.5	19.1	24.4	26.6
127.5°	1.1	8.5	18.1	23.4	24.4
130°	1.1	8.5	17.0	21.3	23.4
132.5°	1.1	7.4	15.9	20.2	21.3
135°	1.1	7.4	14.9	19.1	20.2
137.5°	1.1	6.4	13.8	18.1	19.1
140°	1.1	6.4	12.8	17.0	18.1
142.5°	1.1	5.3	11.7	15.9	17.0
145°	1.1	5.3	10.6	14.9	15.9
147.5°	1.1	5.3	9.6	13.8	14.9
150°	1.1	4.3	8.5	12.8	13.8
152.5°	1.1	4.3	7.4	11.7	12.8
155°	1.1	4.3	7.4	10.6	11.7
157.5°	1.1	3.2	6.4	8.5	10.6
160°	1.1	3.2	5.3	7.4	9.6
162.5°	1.1	3.2	5.3	6.4	7.4
165°	1.1	2.1	4.3	5.3	6.4
167.5°	1.1	2.1	3.2	4.3	5.3
170°	1.1	2.1	3.2	3.2	4.3
172.5°	1.1	2.1	2.1	2.1	2.1
175°	2.1	2.1	2.1	2.1	1.1
177.5°	2.1	2.1	2.1	1.1	1.1



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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)