

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: P566155

Luminaire Tested: **4SNX-22SL-LN-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566155
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: 4SNX-22SL-LN-UNV-L935-CD
Description: 4FT 2200 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

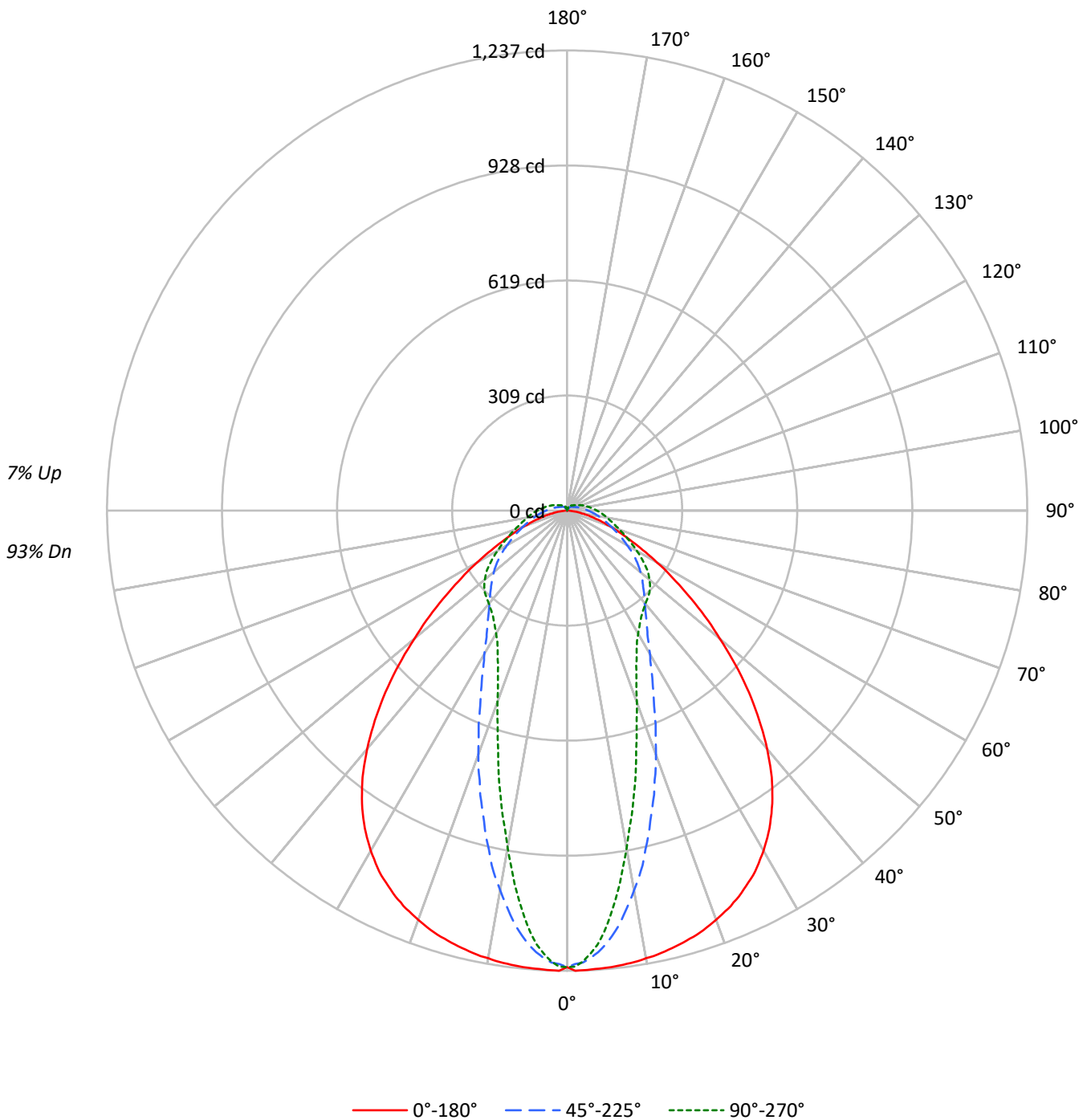
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1956.1 lumens
Efficiency: N/A
Efficacy: 141.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 13.8
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°	13208	13208	13208
5°	13276	12139	11617
10°	13258	10409	9013
15°	13252	8491	6755
20°	13210	6764	5055
25°	13089	5300	4012
30°	12816	4289	3422
35°	12278	3630	3113
40°	11357	3204	2946
45°	10097	2932	2856
50°	8553	2698	2698
55°	7026	2445	2464
60°	5620	2151	2161
65°	4363	1889	1881
70°	3386	1670	1664
75°	2620	1500	1515
80°	1850	1373	1409
85°	1029	1280	1351



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.7	5.6
10°-20°	254.7	13.0
20°-30°	302.3	15.5
30°-40°	304.2	15.6
40°-50°	282.8	14.5
50°-60°	232.8	11.9
60°-70°	164.1	8.4
70°-80°	107.2	5.5
80°-90°	68.4	3.5
90°-100°	44.9	2.3
100°-110°	30.5	1.6
110°-120°	20.9	1.1
120°-130°	14.4	0.7
130°-140°	9.7	0.5
140°-150°	6.0	0.3
150°-160°	3.1	0.2
160°-170°	1.1	0.1
170°-180°	0.2	0.0
0°-30°	665.7	34.0
0°-40°	969.9	49.6
0°-60°	1485.5	75.9
0°-90°	1825.2	93.3
90°-120°	96.3	4.9
90°-150°	126.4	6.5
90°-180°	131.0	6.7
0°-180°	1956.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1227	1227	1227	1227	1227	
5°	1233	1217	1173	1150	1138	117
15°	1202	1074	864	756	714	340
25°	1124	830	550	462	443	517
35°	962	562	373	350	348	598
45°	691	370	289	304	313	530
55°	397	243	224	248	256	358
65°	187	147	154	173	179	189
75°	73	76	104	122	127	79
85°	12	35	70	90	94	15
90°	0	24	56	77	80	1
95°	0	17	47	65	68	0
105°	0	12	32	45	49	0
115°	1	10	23	33	35	1
125°	1	8	18	24	26	1
135°	1	7	14	18	20	1
145°	1	5	10	14	15	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°	1227.1	1227.1	1227.1	1227.1	1227.1
1°	1237.3	1232.2	1218.9	1228.1	1226.0
2°	1236.3	1231.2	1215.8	1219.9	1212.7
3°	1235.3	1228.1	1204.5	1203.5	1193.2
4°	1234.2	1223.0	1190.2	1177.9	1169.7
5°	1233.2	1216.8	1172.7	1150.2	1137.9
6°	1232.2	1209.6	1150.2	1116.3	1098.9
7°	1230.1	1198.4	1126.6	1080.5	1057.9
8°	1228.1	1188.1	1096.9	1041.5	1013.8
9°	1226.0	1174.8	1067.1	999.5	966.7
10°	1221.9	1161.5	1036.4	956.4	921.6
11°	1219.9	1146.1	1006.7	915.4	874.4
12°	1215.8	1129.7	974.9	872.4	836.5
13°	1211.7	1112.2	935.9	835.5	792.4
14°	1207.6	1093.8	902.1	794.5	754.5
15°	1202.5	1074.3	864.2	755.5	714.5
16°	1197.3	1051.8	830.3	715.5	672.5
17°	1192.2	1030.2	798.6	678.6	639.7
18°	1186.1	1008.7	761.7	642.7	604.8
19°	1177.9	984.1	731.9	609.9	575.1
20°	1170.7	961.6	698.1	579.2	548.4
21°	1162.5	933.9	664.3	550.5	519.7
22.5°	1150.2	894.9	621.2	514.6	485.9
23°	1144.0	883.6	603.8	501.3	476.7
24°	1135.8	853.9	575.1	480.8	456.2
25°	1123.5	830.3	550.5	462.3	442.8
26°	1112.2	801.6	525.9	445.9	426.4
27°	1101.0	774.0	504.4	428.5	412.1
28°	1086.6	745.3	480.8	414.1	399.8
29°	1071.2	718.6	461.3	401.8	390.6
30°	1055.9	688.9	444.9	390.6	381.3
32.5°	1012.8	623.3	402.9	369.0	362.9
35°	961.6	561.8	373.1	349.6	347.5
37.5°	904.1	505.4	346.5	334.2	336.2
40°	836.5	454.1	323.9	322.9	327.0
42.5°	764.7	410.0	306.5	313.7	319.8
45°	690.9	370.1	289.1	304.5	312.7
47.5°	614.0	335.2	273.7	293.2	302.4
50°	536.1	301.4	257.3	279.9	289.1
52.5°	466.4	271.7	240.9	264.5	274.7
55°	396.7	243.0	223.5	248.1	256.3
57.5°	336.2	216.3	205.0	229.6	235.8
60°	279.9	190.7	186.6	209.1	216.3
62.5°	228.6	168.1	169.1	190.7	197.8
65°	186.6	146.6	153.8	173.2	179.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	151.7	126.1	138.4	158.9	164.0
70°	119.9	107.6	126.1	144.5	149.7
72.5°	95.3	91.2	113.8	133.3	137.4
75°	72.8	75.9	103.5	122.0	127.1
77.5°	52.3	63.6	93.3	112.8	116.9
80°	36.9	52.3	85.1	104.6	108.7
82.5°	23.6	43.1	76.9	97.4	101.5
85°	12.3	34.9	69.7	90.2	94.3
87.5°	5.1	28.7	62.5	83.0	87.1
90°	0.0	23.6	56.4	76.9	80.0
92.5°	0.0	20.5	51.3	70.7	73.8
95°	0.0	17.4	47.2	64.6	67.7
97.5°	0.0	16.4	42.0	59.5	62.5
100°	0.0	14.4	37.9	54.3	58.4
102.5°	0.0	13.3	34.9	49.2	53.3
105°	0.0	12.3	31.8	45.1	49.2
107.5°	0.0	11.3	29.7	42.0	45.1
110°	0.0	11.3	26.7	39.0	42.0
112.5°	1.0	10.3	24.6	34.9	37.9
115°	1.0	10.3	22.6	32.8	34.9
117.5°	1.0	10.3	21.5	29.7	31.8
120°	1.0	9.2	20.5	27.7	29.7
122.5°	1.0	9.2	19.5	25.6	26.7
125°	1.0	8.2	18.5	23.6	25.6
127.5°	1.0	8.2	17.4	22.6	23.6
130°	1.0	8.2	16.4	20.5	22.6
132.5°	1.0	7.2	15.4	19.5	20.5
135°	1.0	7.2	14.4	18.5	19.5
137.5°	1.0	6.2	13.3	17.4	18.5
140°	1.0	6.2	12.3	16.4	17.4
142.5°	1.0	5.1	11.3	15.4	16.4
145°	1.0	5.1	10.3	14.4	15.4
147.5°	1.0	5.1	9.2	13.3	14.4
150°	1.0	4.1	8.2	12.3	13.3
152.5°	1.0	4.1	7.2	11.3	12.3
155°	1.0	4.1	7.2	10.3	11.3
157.5°	1.0	3.1	6.2	8.2	10.3
160°	1.0	3.1	5.1	7.2	9.2
162.5°	1.0	3.1	5.1	6.2	7.2
165°	1.0	2.1	4.1	5.1	6.2
167.5°	1.0	2.1	3.1	4.1	5.1
170°	1.0	2.1	3.1	3.1	4.1
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)