

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: P566143

Luminaire Tested: **4SNX-22SL-LC-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566143
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2205-663-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-22SL-LC-UNV-L835-CD
Description: 4FT 2200 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

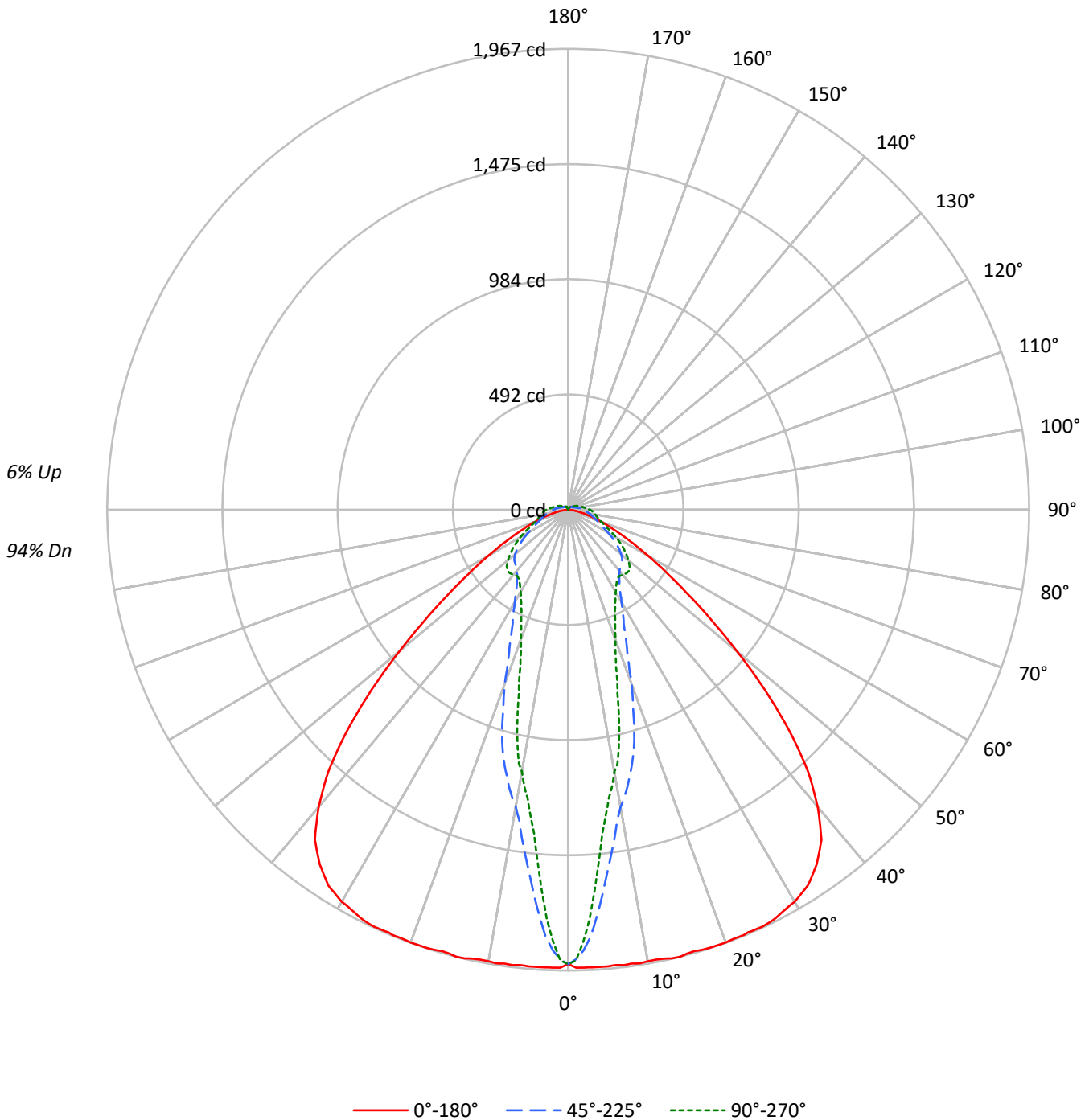
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2391.0 lumens
Efficiency: N/A
Efficacy: 173.3 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	96	96	96	94
1	108	103	99	96	105	101	97	94	95	92	90	90	88	86	86	84	82	80
2	99	92	86	80	96	89	84	79	85	80	76	81	77	74	77	74	71	69
3	92	82	75	69	89	80	73	68	76	71	66	73	68	64	70	66	62	60
4	85	74	66	60	82	72	65	59	69	63	58	66	61	56	63	59	55	53
5	79	67	59	53	76	66	58	52	63	56	51	60	55	50	58	53	49	47
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	53	48	44	42
7	69	56	48	43	67	55	48	42	53	46	42	51	45	41	50	44	40	38
8	64	52	44	39	63	51	44	39	49	43	38	48	42	37	46	41	37	35
9	61	48	41	36	59	47	40	35	46	39	35	44	39	34	43	38	34	32
10	57	45	38	33	56	44	37	33	43	37	32	42	36	32	40	35	31	30

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	20879	20879	20879
5°	21066	17148	15350
10°	21232	12945	11109
15°	21620	10583	7692
20°	22177	7657	5433
25°	22870	5486	4275
30°	23453	4383	3640
35°	23592	3707	3260
40°	22491	3370	3268
45°	19518	3256	3357
50°	14974	3097	3133
55°	10852	2708	2780
60°	7873	2261	2351
65°	5731	1911	1927
70°	4222	1687	1662
75°	2998	1562	1549
80°	1965	1464	1525
85°	920	1396	1527



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.5	6.4
10°-20°	331.2	13.9
20°-30°	379.2	15.9
30°-40°	379.8	15.9
40°-50°	359.6	15.0
50°-60°	275.8	11.5
60°-70°	177.8	7.4
70°-80°	113.4	4.7
80°-90°	75.3	3.1
90°-100°	50.6	2.1
100°-110°	33.3	1.4
110°-120°	23.2	1.0
120°-130°	16.2	0.7
130°-140°	11.2	0.5
140°-150°	6.9	0.3
150°-160°	3.5	0.1
160°-170°	1.3	0.1
170°-180°	0.3	0.0
0°-30°	863.0	36.1
0°-40°	1242.8	52.0
0°-60°	1878.1	78.5
0°-90°	2244.5	93.9
90°-120°	107.1	4.5
90°-150°	141.4	5.9
90°-180°	147.0	6.1
0°-180°	2391.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1940	1940	1940	1940	1940	
5°	1957	1849	1657	1545	1504	187
15°	1962	1413	1077	885	814	556
25°	1963	1000	570	495	472	905
35°	1848	556	381	369	364	1146
45°	1336	352	321	355	368	1015
55°	613	251	248	278	289	563
65°	245	158	156	178	184	252
75°	83	86	108	124	130	92
85°	11	39	76	99	107	15
90°	0	27	64	88	92	1
95°	0	20	53	72	76	0
105°	0	15	34	49	53	1
115°	1	12	26	36	38	1
125°	1	11	22	26	27	1
135°	1	9	17	21	22	1
145°	1	6	12	16	17	1
155°	1	4	7	11	12	1
165°	2	2	5	6	7	1
175°	2	2	2	2	1	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1939.7	1939.7	1939.7	1939.7	1939.7
1°	1955.6	1944.6	1918.9	1926.2	1925.0
2°	1955.6	1932.3	1882.1	1867.4	1845.3
3°	1956.8	1911.5	1825.7	1778.0	1747.3
4°	1956.8	1880.9	1742.4	1662.8	1623.6
5°	1956.8	1849.0	1656.6	1545.1	1503.5
6°	1954.4	1811.0	1569.6	1452.0	1389.5
7°	1958.1	1769.4	1491.2	1365.0	1316.0
8°	1956.8	1720.4	1418.9	1298.8	1244.9
9°	1960.5	1672.6	1340.5	1236.4	1195.9
10°	1956.8	1628.5	1289.0	1177.5	1135.9
11°	1956.8	1585.6	1252.3	1139.6	1104.0
12°	1959.3	1536.6	1211.9	1085.6	1036.6
13°	1965.4	1486.3	1165.3	1026.8	969.2
14°	1966.7	1448.3	1122.4	952.1	892.0
15°	1961.8	1412.8	1077.1	884.7	813.6
16°	1959.3	1376.0	1023.1	821.0	757.3
17°	1964.2	1333.2	961.9	756.0	697.2
18°	1965.4	1293.9	896.9	707.0	655.6
19°	1965.4	1263.3	844.3	661.7	617.6
20°	1965.4	1233.9	790.3	627.4	589.4
21°	1963.0	1197.1	729.1	591.8	560.0
22.5°	1964.2	1128.5	659.2	550.2	524.4
23°	1960.5	1111.4	642.1	539.1	512.2
24°	1961.8	1062.4	605.3	517.1	491.4
25°	1963.0	999.9	569.8	495.0	471.8
26°	1960.5	949.6	540.4	474.2	458.3
27°	1954.4	909.2	519.5	457.0	442.3
28°	1945.8	855.3	497.5	442.3	428.9
29°	1937.2	794.0	475.4	426.4	416.6
30°	1932.3	745.0	454.6	414.2	405.6
32.5°	1902.9	648.2	411.7	389.7	382.3
35°	1847.8	556.3	381.1	368.8	363.9
37.5°	1775.5	485.2	357.8	355.3	356.6
40°	1656.6	428.9	340.6	351.7	362.7
42.5°	1514.5	384.8	328.4	355.3	367.6
45°	1335.6	351.7	321.0	355.3	367.6
47.5°	1137.1	324.7	312.5	343.1	355.3
50°	938.6	300.2	295.3	324.7	335.7
52.5°	763.4	276.9	273.2	301.4	312.5
55°	612.7	251.2	247.5	278.1	289.2
57.5°	491.4	226.7	223.0	251.2	262.2
60°	392.1	202.2	196.1	224.2	235.3
62.5°	312.5	178.9	175.2	199.7	209.5
65°	245.1	158.1	155.6	177.7	183.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	193.6	138.5	139.7	158.1	165.4
70°	149.5	120.1	127.4	144.6	149.5
72.5°	112.7	101.7	117.6	132.3	138.5
75°	83.3	85.8	107.8	123.8	129.9
77.5°	57.6	71.1	99.3	116.4	122.5
80°	39.2	57.6	90.7	110.3	117.6
82.5°	23.3	47.8	83.3	104.2	112.7
85°	11.0	39.2	76.0	99.3	106.6
87.5°	3.7	31.9	68.6	94.4	100.5
90°	0.0	27.0	63.7	88.2	91.9
92.5°	0.0	23.3	57.6	80.9	83.3
95°	0.0	19.6	52.7	72.3	76.0
97.5°	0.0	18.4	49.0	64.9	69.8
100°	0.0	17.2	44.1	58.8	63.7
102.5°	0.0	14.7	39.2	52.7	57.6
105°	0.0	14.7	34.3	49.0	52.7
107.5°	1.2	13.5	31.9	44.1	49.0
110°	1.2	13.5	28.2	41.7	45.3
112.5°	1.2	13.5	27.0	38.0	42.9
115°	1.2	12.3	25.7	35.5	38.0
117.5°	1.2	12.3	24.5	31.9	34.3
120°	1.2	11.0	23.3	29.4	30.6
122.5°	1.2	11.0	22.1	27.0	28.2
125°	1.2	11.0	22.1	25.7	27.0
127.5°	1.2	9.8	20.8	24.5	24.5
130°	1.2	9.8	19.6	23.3	23.3
132.5°	1.2	8.6	18.4	22.1	23.3
135°	1.2	8.6	17.2	20.8	22.1
137.5°	1.2	7.4	15.9	19.6	20.8
140°	1.2	7.4	14.7	18.4	19.6
142.5°	1.2	6.1	13.5	17.2	18.4
145°	1.2	6.1	12.3	15.9	17.2
147.5°	1.2	6.1	11.0	14.7	15.9
150°	1.2	4.9	9.8	13.5	14.7
152.5°	1.2	4.9	8.6	12.3	13.5
155°	1.2	3.7	7.4	11.0	12.3
157.5°	1.2	3.7	7.4	9.8	11.0
160°	2.5	3.7	6.1	8.6	9.8
162.5°	1.2	2.5	6.1	7.4	8.6
165°	2.5	2.5	4.9	6.1	7.4
167.5°	2.5	2.5	3.7	4.9	6.1
170°	2.5	2.5	3.7	3.7	4.9
172.5°	2.5	2.5	2.5	3.7	2.5
175°	2.5	2.5	2.5	2.5	1.2
177.5°	2.5	2.5	2.5	2.5	1.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	2.5	2.5	2.5	2.5	2.5

(END OF REPORT)