

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: P566151

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566151
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-L835-CD
Description: 4FT 2200 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

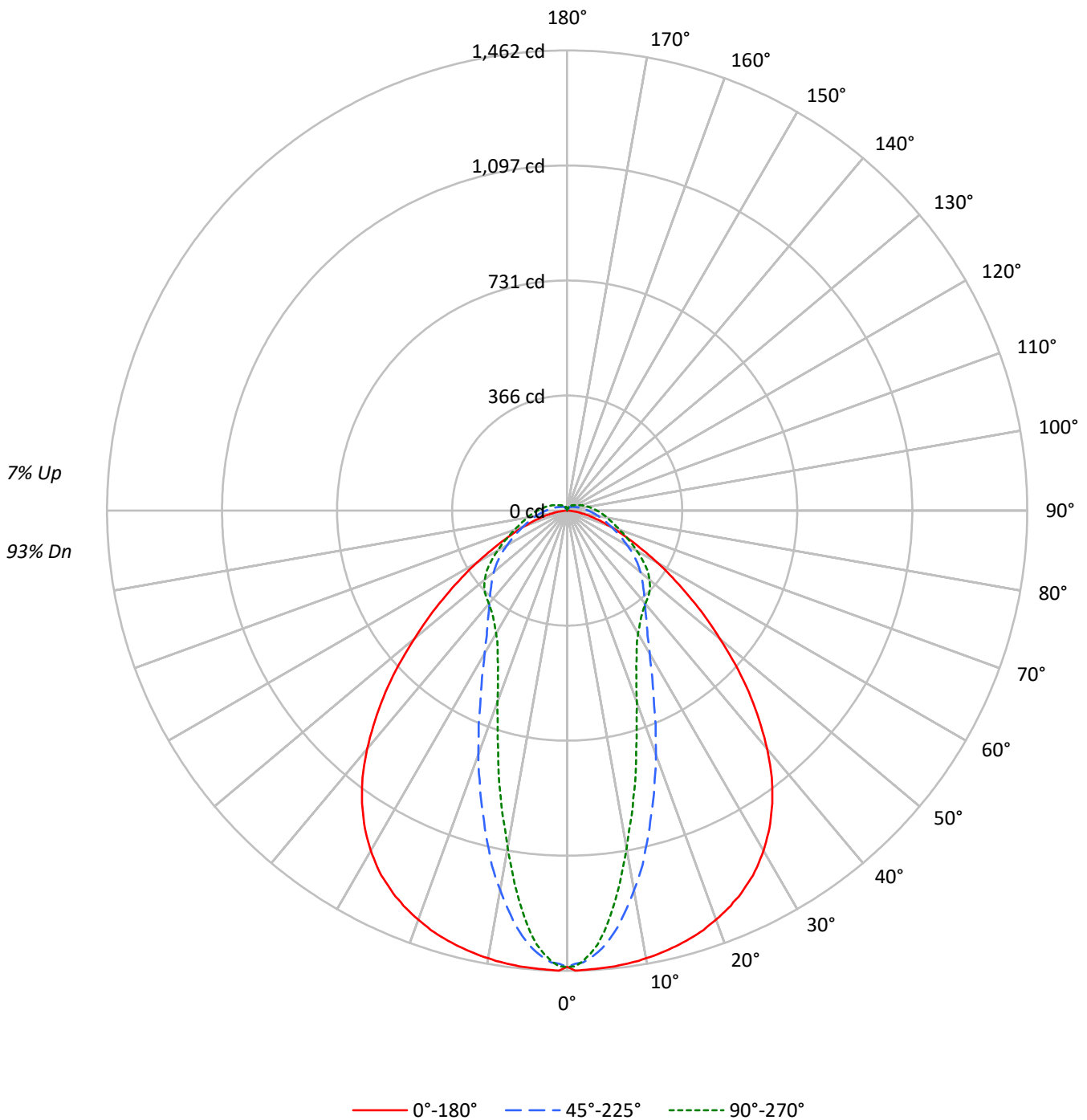
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2311.0 lumens
Efficiency: N/A
Efficacy: 167.5 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	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°	15606	15606	15606
5°	15686	14343	13726
10°	15665	12298	10649
15°	15657	10031	7982
20°	15606	7991	5973
25°	15465	6262	4740
30°	15141	5067	4044
35°	14505	4289	3678
40°	13418	3786	3482
45°	11929	3464	3374
50°	10105	3188	3187
55°	8302	2888	2911
60°	6638	2541	2554
65°	5153	2231	2222
70°	4001	1973	1965
75°	3095	1773	1791
80°	2186	1622	1665
85°	1213	1513	1596



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.4	5.6
10°-20°	300.9	13.0
20°-30°	357.2	15.5
30°-40°	359.4	15.6
40°-50°	334.1	14.5
50°-60°	275.1	11.9
60°-70°	193.8	8.4
70°-80°	126.6	5.5
80°-90°	80.9	3.5
90°-100°	53.0	2.3
100°-110°	36.0	1.6
110°-120°	24.7	1.1
120°-130°	17.1	0.7
130°-140°	11.5	0.5
140°-150°	7.1	0.3
150°-160°	3.7	0.2
160°-170°	1.3	0.1
170°-180°	0.2	0.0
0°-30°	786.5	34.0
0°-40°	1145.9	49.6
0°-60°	1755.1	75.9
0°-90°	2156.4	93.3
90°-120°	113.7	4.9
90°-150°	149.3	6.5
90°-180°	155.0	6.7
0°-180°	2311.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1450	1450	1450	1450	1450	
5°	1457	1438	1386	1359	1344	139
15°	1421	1269	1021	893	844	401
25°	1327	981	650	546	523	611
35°	1136	664	441	413	411	707
45°	816	437	342	360	369	627
55°	469	287	264	293	303	423
65°	220	173	182	205	212	224
75°	86	90	122	144	150	93
85°	14	41	82	107	111	18
90°	0	28	67	91	94	1
95°	0	21	56	76	80	0
105°	0	14	38	53	58	0
115°	1	12	27	39	41	1
125°	1	10	22	28	30	1
135°	1	8	17	22	23	1
145°	1	6	12	17	18	1
155°	1	5	8	12	13	1
165°	1	2	5	6	7	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°	1449.8	1449.8	1449.8	1449.8	1449.8
1°	1461.9	1455.8	1440.1	1451.0	1448.5
2°	1460.7	1454.6	1436.4	1441.3	1432.8
3°	1459.4	1451.0	1423.1	1421.9	1409.8
4°	1458.2	1444.9	1406.2	1391.6	1381.9
5°	1457.0	1437.6	1385.6	1358.9	1344.4
6°	1455.8	1429.2	1358.9	1319.0	1298.4
7°	1453.4	1415.8	1331.1	1276.6	1249.9
8°	1451.0	1403.7	1295.9	1230.5	1197.8
9°	1448.5	1388.0	1260.8	1180.9	1142.1
10°	1443.7	1372.2	1224.5	1130.0	1088.8
11°	1441.3	1354.1	1189.4	1081.6	1033.1
12°	1436.4	1334.7	1151.8	1030.7	988.3
13°	1431.6	1314.1	1105.8	987.1	936.2
14°	1426.7	1292.3	1065.8	938.6	891.4
15°	1420.7	1269.3	1021.0	892.6	844.2
16°	1414.6	1242.7	981.0	845.4	794.5
17°	1408.6	1217.2	943.5	801.8	755.8
18°	1401.3	1191.8	899.9	759.4	714.6
19°	1391.6	1162.7	864.8	720.6	679.5
20°	1383.1	1136.1	824.8	684.3	648.0
21°	1373.5	1103.4	784.8	650.4	614.1
22.5°	1358.9	1057.3	734.0	608.0	574.1
23°	1351.7	1044.0	713.4	592.3	563.2
24°	1342.0	1008.9	679.5	568.0	539.0
25°	1327.4	981.0	650.4	546.2	523.2
26°	1314.1	947.1	621.3	526.9	503.8
27°	1300.8	914.4	595.9	506.3	486.9
28°	1283.8	880.5	568.0	489.3	472.4
29°	1265.7	849.0	545.0	474.8	461.5
30°	1247.5	813.9	525.6	461.5	450.6
32.5°	1196.6	736.4	476.0	436.0	428.8
35°	1136.1	663.7	440.9	413.0	410.6
37.5°	1068.2	597.1	409.4	394.8	397.3
40°	988.3	536.5	382.7	381.5	386.4
42.5°	903.5	484.5	362.1	370.6	377.9
45°	816.3	437.2	341.5	359.7	369.4
47.5°	725.5	396.0	323.4	346.4	357.3
50°	633.4	356.1	304.0	330.6	341.5
52.5°	551.1	321.0	284.6	312.5	324.6
55°	468.7	287.0	264.0	293.1	302.8
57.5°	397.3	255.6	242.2	271.3	278.6
60°	330.6	225.3	220.4	247.1	255.6
62.5°	270.1	198.6	199.8	225.3	233.8
65°	220.4	173.2	181.7	204.7	212.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	179.3	149.0	163.5	187.7	193.8
70°	141.7	127.2	149.0	170.8	176.8
72.5°	112.6	107.8	134.4	157.5	162.3
75°	86.0	89.6	122.3	144.1	150.2
77.5°	61.8	75.1	110.2	133.2	138.1
80°	43.6	61.8	100.5	123.5	128.4
82.5°	27.9	50.9	90.8	115.1	119.9
85°	14.5	41.2	82.4	106.6	111.4
87.5°	6.1	33.9	73.9	98.1	102.9
90°	0.0	27.9	66.6	90.8	94.5
92.5°	0.0	24.2	60.6	83.6	87.2
95°	0.0	20.6	55.7	76.3	79.9
97.5°	0.0	19.4	49.7	70.2	73.9
100°	0.0	17.0	44.8	64.2	69.0
102.5°	0.0	15.7	41.2	58.1	63.0
105°	0.0	14.5	37.5	53.3	58.1
107.5°	0.0	13.3	35.1	49.7	53.3
110°	0.0	13.3	31.5	46.0	49.7
112.5°	1.2	12.1	29.1	41.2	44.8
115°	1.2	12.1	26.6	38.8	41.2
117.5°	1.2	12.1	25.4	35.1	37.5
120°	1.2	10.9	24.2	32.7	35.1
122.5°	1.2	10.9	23.0	30.3	31.5
125°	1.2	9.7	21.8	27.9	30.3
127.5°	1.2	9.7	20.6	26.6	27.9
130°	1.2	9.7	19.4	24.2	26.6
132.5°	1.2	8.5	18.2	23.0	24.2
135°	1.2	8.5	17.0	21.8	23.0
137.5°	1.2	7.3	15.7	20.6	21.8
140°	1.2	7.3	14.5	19.4	20.6
142.5°	1.2	6.1	13.3	18.2	19.4
145°	1.2	6.1	12.1	17.0	18.2
147.5°	1.2	6.1	10.9	15.7	17.0
150°	1.2	4.8	9.7	14.5	15.7
152.5°	1.2	4.8	8.5	13.3	14.5
155°	1.2	4.8	8.5	12.1	13.3
157.5°	1.2	3.6	7.3	9.7	12.1
160°	1.2	3.6	6.1	8.5	10.9
162.5°	1.2	3.6	6.1	7.3	8.5
165°	1.2	2.4	4.8	6.1	7.3
167.5°	1.2	2.4	3.6	4.8	6.1
170°	1.2	2.4	3.6	3.6	4.8
172.5°	1.2	2.4	2.4	2.4	2.4
175°	2.4	2.4	2.4	2.4	1.2
177.5°	2.4	2.4	2.4	1.2	1.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	1.2	1.2	1.2	1.2	1.2

(END OF REPORT)