

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: P566152

Luminaire Tested: **4SNX-22SL-LN-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566152
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-L840-CD
Description: 4FT 2200 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

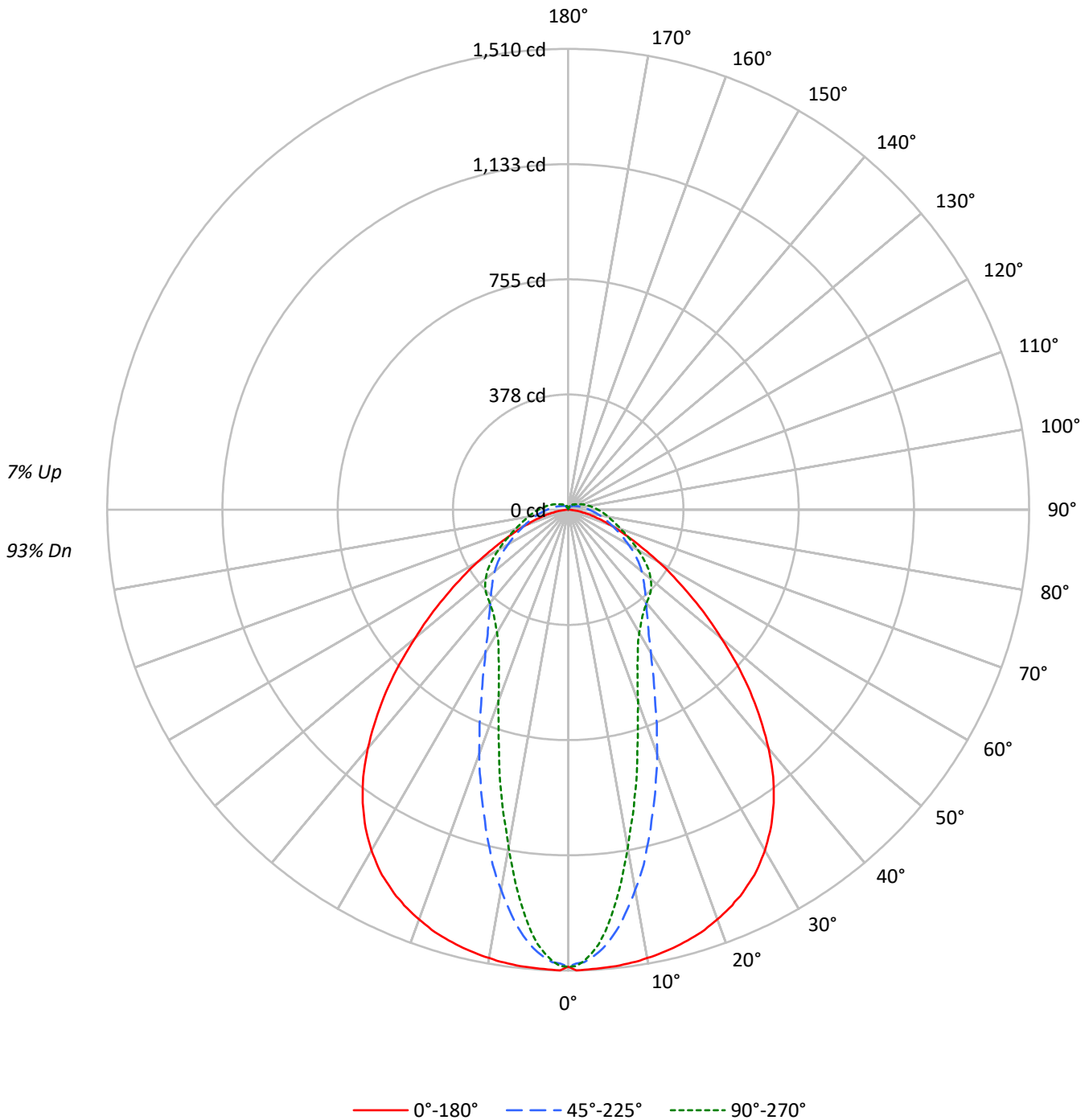
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2387.0 lumens
Efficiency: N/A
Efficacy: 173.0 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 (A_{in}): 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°	16118	16118	16118
5°	16201	14814	14177
10°	16180	12702	10999
15°	16172	10361	8244
20°	16120	8254	6170
25°	15974	6468	4896
30°	15639	5234	4177
35°	14982	4430	3799
40°	13859	3911	3596
45°	12322	3578	3485
50°	10438	3293	3292
55°	8575	2983	3006
60°	6857	2625	2638
65°	5324	2304	2295
70°	4134	2038	2029
75°	3196	1832	1849
80°	2256	1675	1719
85°	1255	1563	1649



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.6	5.6
10°-20°	310.8	13.0
20°-30°	369.0	15.5
30°-40°	371.2	15.6
40°-50°	345.1	14.5
50°-60°	284.1	11.9
60°-70°	200.2	8.4
70°-80°	130.8	5.5
80°-90°	83.5	3.5
90°-100°	54.8	2.3
100°-110°	37.2	1.6
110°-120°	25.5	1.1
120°-130°	17.6	0.7
130°-140°	11.9	0.5
140°-150°	7.3	0.3
150°-160°	3.8	0.2
160°-170°	1.4	0.1
170°-180°	0.2	0.0
0°-30°	812.4	34.0
0°-40°	1183.6	49.6
0°-60°	1812.8	75.9
0°-90°	2227.3	93.3
90°-120°	117.4	4.9
90°-150°	154.3	6.5
90°-180°	160.0	6.7
0°-180°	2387.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1497	1497	1497	1497	1497	
5°	1505	1485	1431	1404	1389	143
15°	1467	1311	1055	922	872	414
25°	1371	1013	672	564	540	631
35°	1173	686	455	427	424	730
45°	843	452	353	372	382	647
55°	484	296	273	303	313	437
65°	228	179	188	211	219	231
75°	89	93	126	149	155	96
85°	15	42	85	110	115	19
90°	0	29	69	94	98	1
95°	0	21	58	79	83	0
105°	0	15	39	55	60	0
115°	1	12	28	40	42	1
125°	1	10	22	29	31	1
135°	1	9	18	22	24	1
145°	1	6	12	18	19	1
155°	1	5	9	12	14	1
165°	1	2	5	6	8	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°	1497.4	1497.4	1497.4	1497.4	1497.4
1°	1509.9	1503.7	1487.4	1498.7	1496.2
2°	1508.7	1502.4	1483.7	1488.7	1479.9
3°	1507.4	1498.7	1469.9	1468.7	1456.2
4°	1506.2	1492.4	1452.4	1437.4	1427.4
5°	1504.9	1484.9	1431.1	1403.6	1388.6
6°	1503.7	1476.2	1403.6	1362.3	1341.1
7°	1501.2	1462.4	1374.8	1318.5	1291.0
8°	1498.7	1449.9	1338.6	1271.0	1237.2
9°	1496.2	1433.6	1302.3	1219.7	1179.7
10°	1491.2	1417.4	1264.8	1167.2	1124.6
11°	1488.7	1398.6	1228.5	1117.1	1067.1
12°	1483.7	1378.6	1189.7	1064.6	1020.8
13°	1478.7	1357.3	1142.2	1019.6	967.0
14°	1473.7	1334.8	1100.9	969.5	920.7
15°	1467.4	1311.0	1054.6	922.0	871.9
16°	1461.2	1283.5	1013.3	873.2	820.7
17°	1454.9	1257.2	974.5	828.2	780.6
18°	1447.4	1231.0	929.5	784.4	738.1
19°	1437.4	1201.0	893.2	744.3	701.8
20°	1428.6	1173.4	851.9	706.8	669.3
21°	1418.6	1139.7	810.6	671.8	634.3
22.5°	1403.6	1092.1	758.1	628.0	593.0
23°	1396.1	1078.4	736.8	611.7	581.7
24°	1386.1	1042.1	701.8	586.7	556.7
25°	1371.1	1013.3	671.8	564.2	540.4
26°	1357.3	978.3	641.8	544.2	520.4
27°	1343.6	944.5	615.5	522.9	502.9
28°	1326.1	909.5	586.7	505.4	487.9
29°	1307.3	876.9	562.9	490.4	476.6
30°	1288.5	840.7	542.9	476.6	465.4
32.5°	1236.0	760.6	491.6	450.4	442.9
35°	1173.4	685.5	455.4	426.6	424.1
37.5°	1103.4	616.7	422.8	407.8	410.3
40°	1020.8	554.2	395.3	394.1	399.1
42.5°	933.2	500.4	374.0	382.8	390.3
45°	843.2	451.6	352.8	371.5	381.6
47.5°	749.3	409.1	334.0	357.8	369.0
50°	654.3	367.8	314.0	341.5	352.8
52.5°	569.2	331.5	294.0	322.8	335.3
55°	484.1	296.5	272.7	302.7	312.7
57.5°	410.3	264.0	250.2	280.2	287.7
60°	341.5	232.7	227.7	255.2	264.0
62.5°	279.0	205.2	206.4	232.7	241.4
65°	227.7	178.9	187.6	211.4	218.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	185.1	153.9	168.9	193.9	200.2
70°	146.4	131.4	153.9	176.4	182.6
72.5°	116.3	111.3	138.9	162.6	167.6
75°	88.8	92.6	126.4	148.9	155.1
77.5°	63.8	77.6	113.8	137.6	142.6
80°	45.0	63.8	103.8	127.6	132.6
82.5°	28.8	52.5	93.8	118.8	123.8
85°	15.0	42.5	85.1	110.1	115.1
87.5°	6.3	35.0	76.3	101.3	106.3
90°	0.0	28.8	68.8	93.8	97.6
92.5°	0.0	25.0	62.5	86.3	90.1
95°	0.0	21.3	57.5	78.8	82.6
97.5°	0.0	20.0	51.3	72.6	76.3
100°	0.0	17.5	46.3	66.3	71.3
102.5°	0.0	16.3	42.5	60.0	65.1
105°	0.0	15.0	38.8	55.0	60.0
107.5°	0.0	13.8	36.3	51.3	55.0
110°	0.0	13.8	32.5	47.5	51.3
112.5°	1.3	12.5	30.0	42.5	46.3
115°	1.3	12.5	27.5	40.0	42.5
117.5°	1.3	12.5	26.3	36.3	38.8
120°	1.3	11.3	25.0	33.8	36.3
122.5°	1.3	11.3	23.8	31.3	32.5
125°	1.3	10.0	22.5	28.8	31.3
127.5°	1.3	10.0	21.3	27.5	28.8
130°	1.3	10.0	20.0	25.0	27.5
132.5°	1.3	8.8	18.8	23.8	25.0
135°	1.3	8.8	17.5	22.5	23.8
137.5°	1.3	7.5	16.3	21.3	22.5
140°	1.3	7.5	15.0	20.0	21.3
142.5°	1.3	6.3	13.8	18.8	20.0
145°	1.3	6.3	12.5	17.5	18.8
147.5°	1.3	6.3	11.3	16.3	17.5
150°	1.3	5.0	10.0	15.0	16.3
152.5°	1.3	5.0	8.8	13.8	15.0
155°	1.3	5.0	8.8	12.5	13.8
157.5°	1.3	3.8	7.5	10.0	12.5
160°	1.3	3.8	6.3	8.8	11.3
162.5°	1.3	3.8	6.3	7.5	8.8
165°	1.3	2.5	5.0	6.3	7.5
167.5°	1.3	2.5	3.8	5.0	6.3
170°	1.3	2.5	3.8	3.8	5.0
172.5°	1.3	2.5	2.5	2.5	2.5
175°	2.5	2.5	2.5	2.5	1.3
177.5°	2.5	2.5	2.5	1.3	1.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	1.3	1.3	1.3	1.3	1.3

(END OF REPORT)