

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: P566153

Luminaire Tested: **4SNX-22SL-LN-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566153
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-L850-CD
Description: 4FT 2200 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

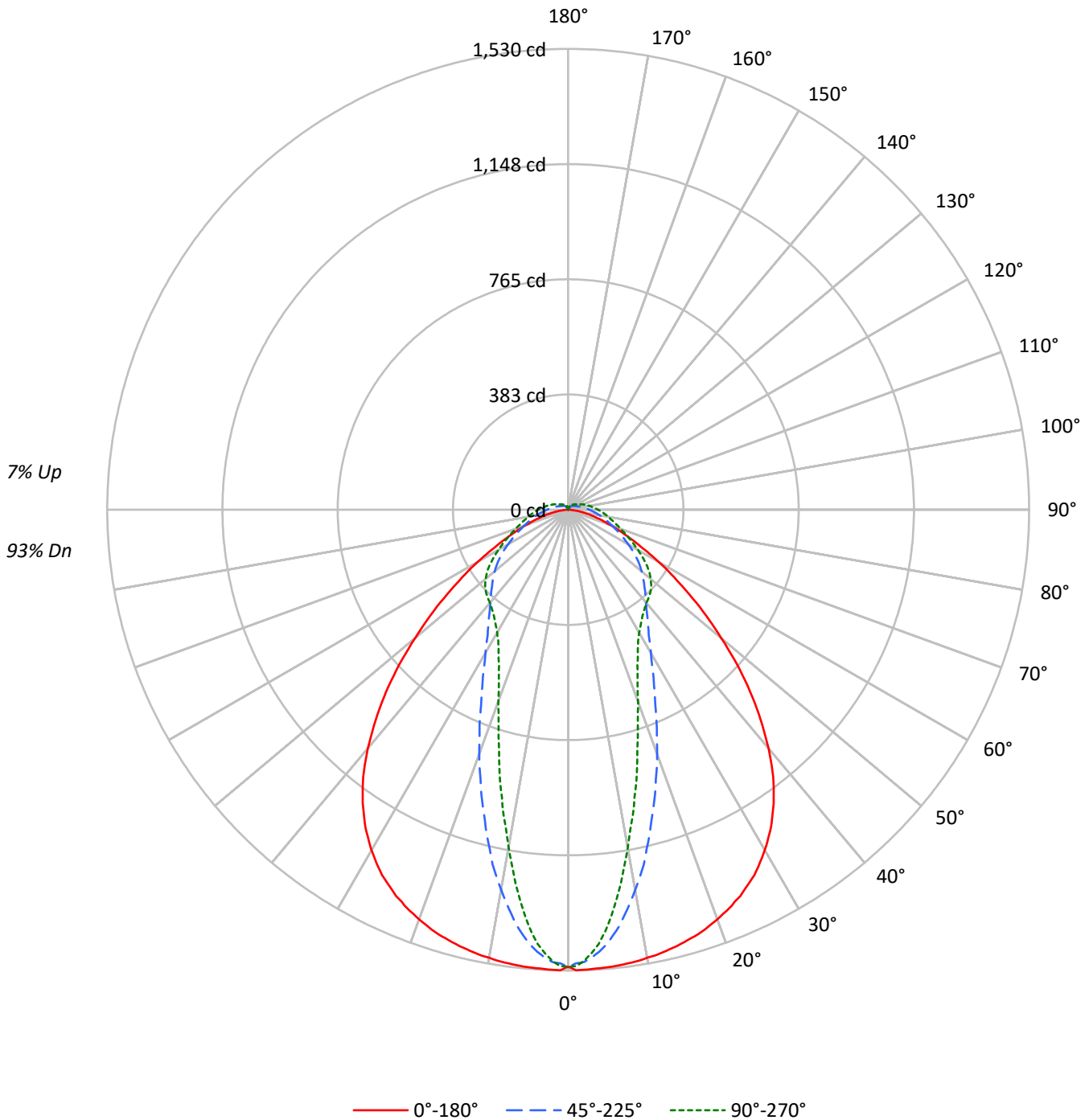
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2418.0 lumens
Efficiency: N/A
Efficacy: 175.2 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	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°	16328	16328	16328
5°	16412	15006	14361
10°	16389	12867	11142
15°	16382	10496	8351
20°	16330	8361	6250
25°	16181	6552	4959
30°	15843	5303	4231
35°	15177	4488	3849
40°	14040	3961	3642
45°	12481	3625	3530
50°	10574	3336	3335
55°	8686	3023	3045
60°	6947	2658	2672
65°	5392	2334	2325
70°	4188	2065	2056
75°	3239	1855	1873
80°	2286	1698	1741
85°	1272	1583	1671



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.3	5.6
10°-20°	314.9	13.0
20°-30°	373.8	15.5
30°-40°	376.0	15.6
40°-50°	349.6	14.5
50°-60°	287.8	11.9
60°-70°	202.8	8.4
70°-80°	132.5	5.5
80°-90°	84.6	3.5
90°-100°	55.5	2.3
100°-110°	37.7	1.6
110°-120°	25.8	1.1
120°-130°	17.9	0.7
130°-140°	12.0	0.5
140°-150°	7.4	0.3
150°-160°	3.8	0.2
160°-170°	1.4	0.1
170°-180°	0.2	0.0
0°-30°	823.0	34.0
0°-40°	1199.0	49.6
0°-60°	1836.4	75.9
0°-90°	2256.3	93.3
90°-120°	119.0	4.9
90°-150°	156.2	6.5
90°-180°	162.0	6.7
0°-180°	2418.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1517	1517	1517	1517	1517	
5°	1524	1504	1450	1422	1407	145
15°	1486	1328	1068	934	883	420
25°	1389	1026	680	572	547	639
35°	1189	694	461	432	430	739
45°	854	458	357	376	386	656
55°	490	300	276	307	317	443
65°	231	181	190	214	222	234
75°	90	94	128	151	157	97
85°	15	43	86	112	117	19
90°	0	29	70	95	99	1
95°	0	22	58	80	84	0
105°	0	15	39	56	61	0
115°	1	13	28	41	43	1
125°	1	10	23	29	32	1
135°	1	9	18	23	24	1
145°	1	6	13	18	19	1
155°	1	5	9	13	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°	1516.9	1516.9	1516.9	1516.9	1516.9
1°	1529.6	1523.2	1506.7	1518.2	1515.6
2°	1528.3	1522.0	1502.9	1508.0	1499.1
3°	1527.0	1518.2	1489.0	1487.7	1475.1
4°	1525.8	1511.8	1471.3	1456.1	1445.9
5°	1524.5	1504.2	1449.7	1421.8	1406.6
6°	1523.2	1495.3	1421.8	1380.0	1358.5
7°	1520.7	1481.4	1392.7	1335.7	1307.8
8°	1518.2	1468.7	1355.9	1287.5	1253.3
9°	1515.6	1452.3	1319.2	1235.6	1195.0
10°	1510.5	1435.8	1281.2	1182.3	1139.2
11°	1508.0	1416.8	1244.4	1131.6	1081.0
12°	1502.9	1396.5	1205.1	1078.4	1034.1
13°	1497.9	1375.0	1157.0	1032.8	979.6
14°	1492.8	1352.1	1115.2	982.1	932.7
15°	1486.5	1328.1	1068.3	934.0	883.3
16°	1480.1	1300.2	1026.5	884.5	831.3
17°	1473.8	1273.6	987.2	838.9	790.8
18°	1466.2	1247.0	941.6	794.6	747.7
19°	1456.1	1216.5	904.8	754.0	710.9
20°	1447.2	1188.7	863.0	716.0	678.0
21°	1437.0	1154.5	821.2	680.5	642.5
22.5°	1421.8	1106.3	767.9	636.2	600.7
23°	1414.2	1092.4	746.4	619.7	589.3
24°	1404.1	1055.6	710.9	594.3	563.9
25°	1388.9	1026.5	680.5	571.5	547.4
26°	1375.0	991.0	650.1	551.2	527.2
27°	1361.0	956.8	623.5	529.7	509.4
28°	1343.3	921.3	594.3	512.0	494.2
29°	1324.3	888.3	570.3	496.8	482.8
30°	1305.3	851.6	550.0	482.8	471.4
32.5°	1252.0	770.5	498.0	456.2	448.6
35°	1188.7	694.4	461.3	432.1	429.6
37.5°	1117.7	624.7	428.3	413.1	415.7
40°	1034.1	561.4	400.4	399.2	404.2
42.5°	945.4	506.9	378.9	387.8	395.4
45°	854.1	457.5	357.4	376.4	386.5
47.5°	759.1	414.4	338.4	362.4	373.8
50°	662.8	372.6	318.1	346.0	357.4
52.5°	576.6	335.8	297.8	326.9	339.6
55°	490.4	300.3	276.3	306.7	316.8
57.5°	415.7	267.4	253.4	283.9	291.5
60°	346.0	235.7	230.6	258.5	267.4
62.5°	282.6	207.8	209.1	235.7	244.6
65°	230.6	181.2	190.1	214.2	221.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	187.6	155.9	171.1	196.4	202.8
70°	148.3	133.1	155.9	178.7	185.0
72.5°	117.9	112.8	140.7	164.7	169.8
75°	90.0	93.8	128.0	150.8	157.1
77.5°	64.6	78.6	115.3	139.4	144.5
80°	45.6	64.6	105.2	129.3	134.3
82.5°	29.1	53.2	95.0	120.4	125.5
85°	15.2	43.1	86.2	111.5	116.6
87.5°	6.3	35.5	77.3	102.6	107.7
90°	0.0	29.1	69.7	95.0	98.8
92.5°	0.0	25.3	63.4	87.4	91.2
95°	0.0	21.5	58.3	79.8	83.6
97.5°	0.0	20.3	52.0	73.5	77.3
100°	0.0	17.7	46.9	67.2	72.2
102.5°	0.0	16.5	43.1	60.8	65.9
105°	0.0	15.2	39.3	55.8	60.8
107.5°	0.0	13.9	36.7	52.0	55.8
110°	0.0	13.9	32.9	48.2	52.0
112.5°	1.3	12.7	30.4	43.1	46.9
115°	1.3	12.7	27.9	40.6	43.1
117.5°	1.3	12.7	26.6	36.7	39.3
120°	1.3	11.4	25.3	34.2	36.7
122.5°	1.3	11.4	24.1	31.7	32.9
125°	1.3	10.1	22.8	29.1	31.7
127.5°	1.3	10.1	21.5	27.9	29.1
130°	1.3	10.1	20.3	25.3	27.9
132.5°	1.3	8.9	19.0	24.1	25.3
135°	1.3	8.9	17.7	22.8	24.1
137.5°	1.3	7.6	16.5	21.5	22.8
140°	1.3	7.6	15.2	20.3	21.5
142.5°	1.3	6.3	13.9	19.0	20.3
145°	1.3	6.3	12.7	17.7	19.0
147.5°	1.3	6.3	11.4	16.5	17.7
150°	1.3	5.1	10.1	15.2	16.5
152.5°	1.3	5.1	8.9	13.9	15.2
155°	1.3	5.1	8.9	12.7	13.9
157.5°	1.3	3.8	7.6	10.1	12.7
160°	1.3	3.8	6.3	8.9	11.4
162.5°	1.3	3.8	6.3	7.6	8.9
165°	1.3	2.5	5.1	6.3	7.6
167.5°	1.3	2.5	3.8	5.1	6.3
170°	1.3	2.5	3.8	3.8	5.1
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)