

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: P565557

Luminaire Tested: **2SNX-23SL-LC-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565557
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: 2SNX-23SL-LC-UNV-L850-CD
Description: 2FT 2300 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

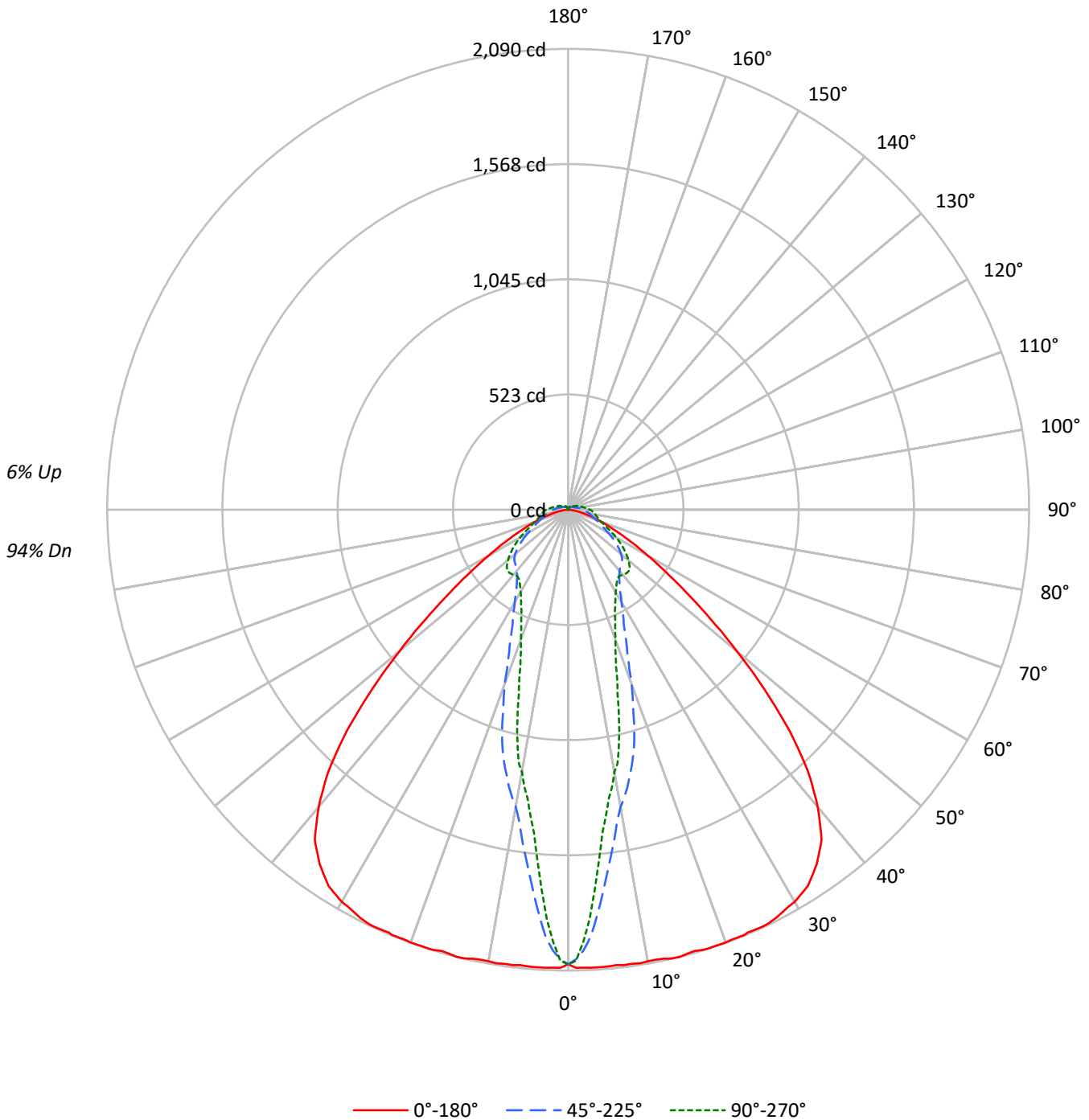
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2540.9 lumens
Efficiency: N/A
Efficacy: 170.5 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.17')
CIE Type: Direct

Input Watts (W): 14.9
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	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°	44377	44377	44377
5°	44615	36360	32626
10°	44802	27385	23612
15°	45450	22336	16351
20°	46442	16128	11548
25°	47698	11531	9084
30°	48705	9194	7736
35°	48762	7761	6930
40°	46244	7040	6947
45°	39889	6788	7137
50°	30390	6440	6659
55°	21838	5617	5908
60°	15678	4677	4995
65°	11253	3942	4095
70°	8138	3469	3532
75°	5615	3199	3291
80°	3511	2982	3241
85°	1480	2823	3247



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.1	6.4
10°-20°	352.0	13.9
20°-30°	403.0	15.9
30°-40°	403.7	15.9
40°-50°	382.1	15.0
50°-60°	293.1	11.5
60°-70°	188.9	7.4
70°-80°	120.5	4.7
80°-90°	80.0	3.1
90°-100°	53.8	2.1
100°-110°	35.4	1.4
110°-120°	24.6	1.0
120°-130°	17.2	0.7
130°-140°	11.9	0.5
140°-150°	7.3	0.3
150°-160°	3.7	0.1
160°-170°	1.4	0.1
170°-180°	0.3	0.0
0°-30°	917.1	36.1
0°-40°	1320.8	52.0
0°-60°	1996.0	78.6
0°-90°	2385.3	93.9
90°-120°	113.8	4.5
90°-150°	150.2	5.9
90°-180°	156.0	6.1
0°-180°	2540.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2061	2061	2061	2061	2061	
5°	2080	1965	1761	1642	1598	199
15°	2085	1501	1145	940	865	591
25°	2086	1063	606	526	501	962
35°	1964	591	405	392	387	1218
45°	1419	374	341	378	391	1079
55°	651	267	263	296	307	599
65°	260	168	165	189	195	268
75°	88	91	115	132	138	97
85°	12	42	81	106	113	16
90°	0	29	68	94	98	1
95°	0	21	56	77	81	0
105°	0	16	36	52	56	1
115°	1	13	27	38	40	1
125°	1	12	23	27	29	1
135°	1	9	18	22	23	1
145°	1	6	13	17	18	1
155°	1	4	8	12	13	1
165°	3	3	5	6	8	1
175°	3	3	3	3	1	0
180°	3	3	3	3	3	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2061.4	2061.4	2061.4	2061.4	2061.4
1°	2078.3	2066.6	2039.2	2047.1	2045.8
2°	2078.3	2053.6	2000.2	1984.6	1961.1
3°	2079.6	2031.4	1940.3	1889.5	1856.9
4°	2079.6	1998.9	1851.7	1767.1	1725.4
5°	2079.6	1965.0	1760.6	1642.1	1597.8
6°	2077.0	1924.7	1668.1	1543.1	1476.7
7°	2080.9	1880.4	1584.8	1450.7	1398.6
8°	2079.6	1828.3	1507.9	1380.3	1323.0
9°	2083.5	1777.5	1424.6	1313.9	1270.9
10°	2079.6	1730.6	1369.9	1251.4	1207.1
11°	2079.6	1685.0	1330.8	1211.0	1173.3
12°	2082.2	1633.0	1287.9	1153.7	1101.7
13°	2088.7	1579.6	1238.4	1091.2	1030.0
14°	2090.0	1539.2	1192.8	1011.8	948.0
15°	2084.8	1501.4	1144.6	940.2	864.7
16°	2082.2	1462.4	1087.3	872.5	804.8
17°	2087.4	1416.8	1022.2	803.5	741.0
18°	2088.7	1375.1	953.2	751.4	696.7
19°	2088.7	1342.6	897.2	703.2	656.3
20°	2088.7	1311.3	839.9	666.7	626.4
21°	2086.1	1272.2	774.8	629.0	595.1
22.5°	2087.4	1199.3	700.6	584.7	557.3
23°	2083.5	1181.1	682.4	573.0	544.3
24°	2084.8	1129.0	643.3	549.5	522.2
25°	2086.1	1062.6	605.5	526.1	501.3
26°	2083.5	1009.2	574.3	504.0	487.0
27°	2077.0	966.2	552.1	485.7	470.1
28°	2067.9	908.9	528.7	470.1	455.8
29°	2058.8	843.8	505.3	453.2	442.7
30°	2053.6	791.7	483.1	440.1	431.0
32.5°	2022.3	688.9	437.5	414.1	406.3
35°	1963.7	591.2	405.0	392.0	386.8
37.5°	1886.9	515.7	380.2	377.6	378.9
40°	1760.6	455.8	362.0	373.7	385.5
42.5°	1609.5	408.9	349.0	377.6	390.7
45°	1419.4	373.7	341.2	377.6	390.7
47.5°	1208.4	345.1	332.1	364.6	377.6
50°	997.5	319.0	313.8	345.1	356.8
52.5°	811.3	294.3	290.4	320.3	332.1
55°	651.1	267.0	263.0	295.6	307.3
57.5°	522.2	240.9	237.0	267.0	278.7
60°	416.7	214.9	208.4	238.3	250.0
62.5°	332.1	190.1	186.2	212.3	222.7
65°	260.4	168.0	165.4	188.8	195.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	205.7	147.1	148.5	168.0	175.8
70°	158.9	127.6	135.4	153.7	158.9
72.5°	119.8	108.1	125.0	140.6	147.1
75°	88.5	91.2	114.6	131.5	138.0
77.5°	61.2	75.5	105.5	123.7	130.2
80°	41.7	61.2	96.4	117.2	125.0
82.5°	24.7	50.8	88.5	110.7	119.8
85°	11.7	41.7	80.7	105.5	113.3
87.5°	3.9	33.9	72.9	100.3	106.8
90°	0.0	28.6	67.7	93.8	97.7
92.5°	0.0	24.7	61.2	85.9	88.5
95°	0.0	20.8	56.0	76.8	80.7
97.5°	0.0	19.5	52.1	69.0	74.2
100°	0.0	18.2	46.9	62.5	67.7
102.5°	0.0	15.6	41.7	56.0	61.2
105°	0.0	15.6	36.5	52.1	56.0
107.5°	1.3	14.3	33.9	46.9	52.1
110°	1.3	14.3	30.0	44.3	48.2
112.5°	1.3	14.3	28.6	40.4	45.6
115°	1.3	13.0	27.3	37.8	40.4
117.5°	1.3	13.0	26.0	33.9	36.5
120°	1.3	11.7	24.7	31.3	32.6
122.5°	1.3	11.7	23.4	28.6	30.0
125°	1.3	11.7	23.4	27.3	28.6
127.5°	1.3	10.4	22.1	26.0	26.0
130°	1.3	10.4	20.8	24.7	24.7
132.5°	1.3	9.1	19.5	23.4	24.7
135°	1.3	9.1	18.2	22.1	23.4
137.5°	1.3	7.8	16.9	20.8	22.1
140°	1.3	7.8	15.6	19.5	20.8
142.5°	1.3	6.5	14.3	18.2	19.5
145°	1.3	6.5	13.0	16.9	18.2
147.5°	1.3	6.5	11.7	15.6	16.9
150°	1.3	5.2	10.4	14.3	15.6
152.5°	1.3	5.2	9.1	13.0	14.3
155°	1.3	3.9	7.8	11.7	13.0
157.5°	1.3	3.9	7.8	10.4	11.7
160°	2.6	3.9	6.5	9.1	10.4
162.5°	1.3	2.6	6.5	7.8	9.1
165°	2.6	2.6	5.2	6.5	7.8
167.5°	2.6	2.6	3.9	5.2	6.5
170°	2.6	2.6	3.9	3.9	5.2
172.5°	2.6	2.6	2.6	3.9	2.6
175°	2.6	2.6	2.6	2.6	1.3
177.5°	2.6	2.6	2.6	2.6	1.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	2.6	2.6	2.6	2.6	2.6

(END OF REPORT)