

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: P565559

Luminaire Tested: **2SNX-23SL-LC-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565559
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-L935-CD
Description: 2FT 2300 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

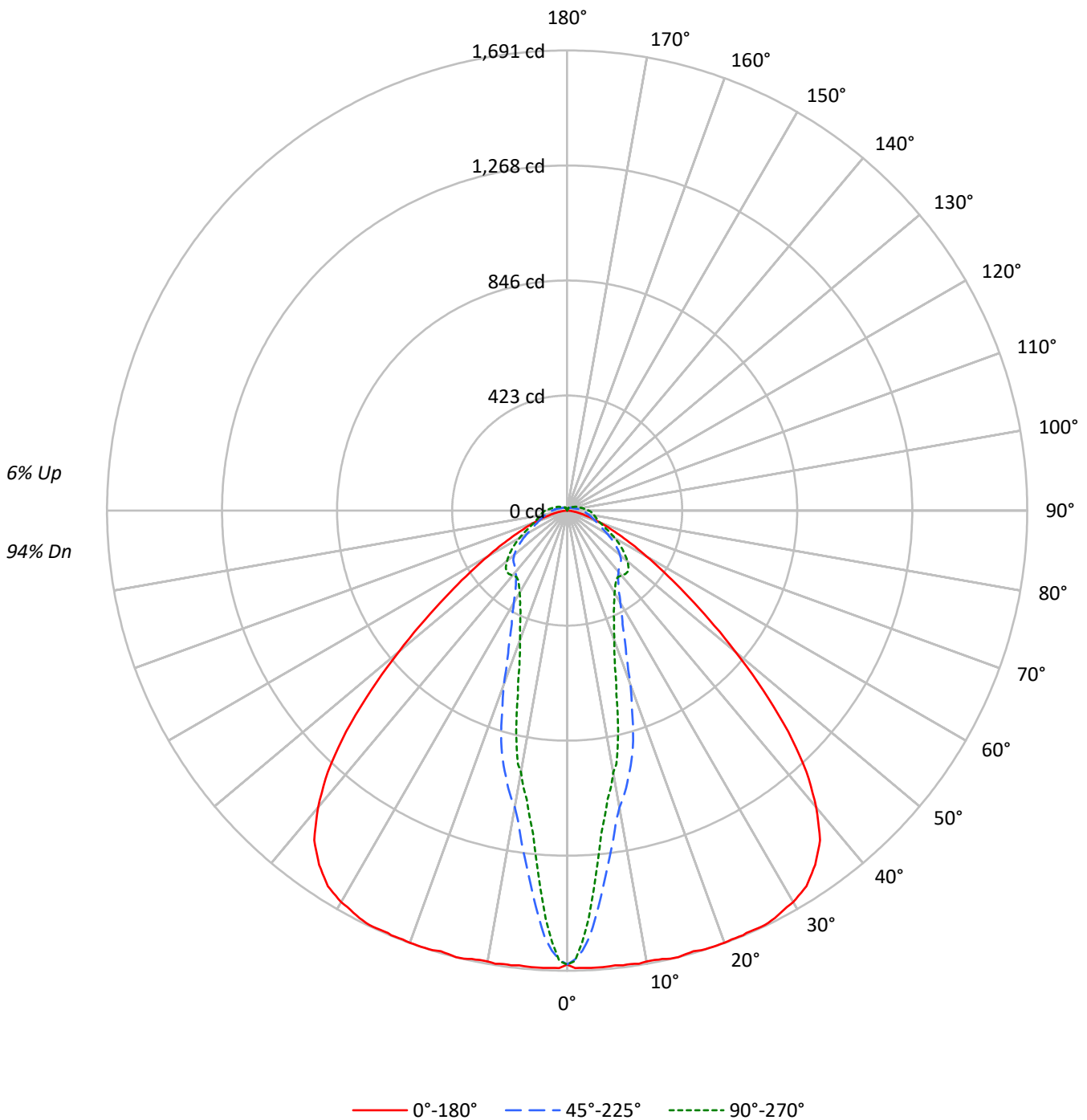
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2056.0 lumens
Efficiency: N/A
Efficacy: 138.0 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 (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°	35906	35906	35906
5°	36100	29419	26398
10°	36251	22158	19105
15°	36775	18074	13229
20°	37579	13050	9343
25°	38594	9330	7351
30°	39408	7439	6261
35°	39455	6280	5606
40°	37416	5696	5621
45°	32276	5493	5774
50°	24589	5210	5388
55°	17669	4545	4782
60°	12687	3784	4042
65°	9106	3189	3313
70°	6581	2808	2856
75°	4543	2588	2664
80°	2837	2413	2624
85°	1202	2284	2628



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.2	6.4
10°-20°	284.8	13.9
20°-30°	326.0	15.9
30°-40°	326.6	15.9
40°-50°	309.2	15.0
50°-60°	237.1	11.5
60°-70°	152.8	7.4
70°-80°	97.5	4.7
80°-90°	64.7	3.1
90°-100°	43.5	2.1
100°-110°	28.7	1.4
110°-120°	20.0	1.0
120°-130°	13.9	0.7
130°-140°	9.7	0.5
140°-150°	5.9	0.3
150°-160°	3.0	0.1
160°-170°	1.2	0.1
170°-180°	0.2	0.0
0°-30°	742.1	36.1
0°-40°	1068.7	52.0
0°-60°	1615.0	78.5
0°-90°	1930.0	93.9
90°-120°	92.1	4.5
90°-150°	121.6	5.9
90°-180°	126.0	6.1
0°-180°	2056.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1668	1668	1668	1668	1668	
5°	1683	1590	1424	1329	1293	161
15°	1687	1215	926	761	700	478
25°	1688	860	490	426	406	778
35°	1589	478	328	317	313	986
45°	1148	302	276	306	316	873
55°	527	216	213	239	249	484
65°	211	136	134	153	158	217
75°	72	74	93	106	112	79
85°	10	34	65	85	92	13
90°	0	23	55	76	79	0
95°	0	17	45	62	65	0
105°	0	13	30	42	45	1
115°	1	10	22	31	33	1
125°	1	10	19	22	23	1
135°	1	7	15	18	19	1
145°	1	5	10	14	15	1
155°	1	3	6	10	10	1
165°	2	2	4	5	6	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°	1667.9	1667.9	1667.9	1667.9	1667.9
1°	1681.6	1672.1	1650.0	1656.3	1655.3
2°	1681.6	1661.6	1618.4	1605.8	1586.8
3°	1682.7	1643.7	1569.9	1528.8	1502.5
4°	1682.7	1617.4	1498.3	1429.8	1396.1
5°	1682.7	1590.0	1424.5	1328.7	1292.8
6°	1680.6	1557.3	1349.7	1248.6	1194.8
7°	1683.7	1521.5	1282.3	1173.8	1131.6
8°	1682.7	1479.3	1220.1	1116.9	1070.5
9°	1685.8	1438.2	1152.7	1063.1	1028.4
10°	1682.7	1400.3	1108.4	1012.6	976.7
11°	1682.7	1363.4	1076.8	979.9	949.3
12°	1684.8	1321.3	1042.1	933.5	891.4
13°	1690.1	1278.1	1002.0	883.0	833.4
14°	1691.1	1245.4	965.1	818.7	767.1
15°	1686.9	1214.9	926.2	760.7	699.6
16°	1684.8	1183.2	879.8	705.9	651.2
17°	1689.0	1146.4	827.1	650.1	599.5
18°	1690.1	1112.7	771.3	608.0	563.7
19°	1690.1	1086.3	726.0	569.0	531.0
20°	1690.1	1061.0	679.6	539.5	506.8
21°	1687.9	1029.4	626.9	508.9	481.5
22.5°	1689.0	970.4	566.9	473.1	451.0
23°	1685.8	955.7	552.1	463.6	440.4
24°	1686.9	913.5	520.5	444.6	422.5
25°	1687.9	859.8	489.9	425.7	405.7
26°	1685.8	816.6	464.7	407.8	394.1
27°	1680.6	781.8	446.7	393.0	380.4
28°	1673.2	735.4	427.8	380.4	368.8
29°	1665.8	682.8	408.8	366.7	358.2
30°	1661.6	640.6	390.9	356.1	348.8
32.5°	1636.3	557.4	354.0	335.1	328.7
35°	1588.9	478.4	327.7	317.1	312.9
37.5°	1526.7	417.2	307.7	305.6	306.6
40°	1424.5	368.8	292.9	302.4	311.9
42.5°	1302.3	330.8	282.4	305.6	316.1
45°	1148.5	302.4	276.1	305.6	316.1
47.5°	977.8	279.2	268.7	295.0	305.6
50°	807.1	258.1	253.9	279.2	288.7
52.5°	656.4	238.1	235.0	259.2	268.7
55°	526.8	216.0	212.8	239.2	248.7
57.5°	422.5	194.9	191.8	216.0	225.5
60°	337.2	173.9	168.6	192.8	202.3
62.5°	268.7	153.8	150.7	171.7	180.2
65°	210.7	135.9	133.8	152.8	158.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	166.5	119.1	120.1	135.9	142.2
70°	128.5	103.3	109.6	124.3	128.5
72.5°	96.9	87.5	101.2	113.8	119.1
75°	71.6	73.8	92.7	106.4	111.7
77.5°	49.5	61.1	85.3	100.1	105.4
80°	33.7	49.5	78.0	94.8	101.2
82.5°	20.0	41.1	71.6	89.6	96.9
85°	9.5	33.7	65.3	85.3	91.7
87.5°	3.2	27.4	59.0	81.1	86.4
90°	0.0	23.2	54.8	75.9	79.0
92.5°	0.0	20.0	49.5	69.5	71.6
95°	0.0	16.9	45.3	62.2	65.3
97.5°	0.0	15.8	42.1	55.8	60.1
100°	0.0	14.8	37.9	50.6	54.8
102.5°	0.0	12.6	33.7	45.3	49.5
105°	0.0	12.6	29.5	42.1	45.3
107.5°	1.1	11.6	27.4	37.9	42.1
110°	1.1	11.6	24.2	35.8	39.0
112.5°	1.1	11.6	23.2	32.7	36.9
115°	1.1	10.5	22.1	30.6	32.7
117.5°	1.1	10.5	21.1	27.4	29.5
120°	1.1	9.5	20.0	25.3	26.3
122.5°	1.1	9.5	19.0	23.2	24.2
125°	1.1	9.5	19.0	22.1	23.2
127.5°	1.1	8.4	17.9	21.1	21.1
130°	1.1	8.4	16.9	20.0	20.0
132.5°	1.1	7.4	15.8	19.0	20.0
135°	1.1	7.4	14.8	17.9	19.0
137.5°	1.1	6.3	13.7	16.9	17.9
140°	1.1	6.3	12.6	15.8	16.9
142.5°	1.1	5.3	11.6	14.8	15.8
145°	1.1	5.3	10.5	13.7	14.8
147.5°	1.1	5.3	9.5	12.6	13.7
150°	1.1	4.2	8.4	11.6	12.6
152.5°	1.1	4.2	7.4	10.5	11.6
155°	1.1	3.2	6.3	9.5	10.5
157.5°	1.1	3.2	6.3	8.4	9.5
160°	2.1	3.2	5.3	7.4	8.4
162.5°	1.1	2.1	5.3	6.3	7.4
165°	2.1	2.1	4.2	5.3	6.3
167.5°	2.1	2.1	3.2	4.2	5.3
170°	2.1	2.1	3.2	3.2	4.2
172.5°	2.1	2.1	2.1	3.2	2.1
175°	2.1	2.1	2.1	2.1	1.1
177.5°	2.1	2.1	2.1	2.1	1.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	2.1	2.1	2.1	2.1	2.1

(END OF REPORT)