

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: P565569

Luminaire Tested: **2SNX-23SL-LN-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565569
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: 2SNX-23SL-LN-UNV-L950-CD
Description: 2FT 2300 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

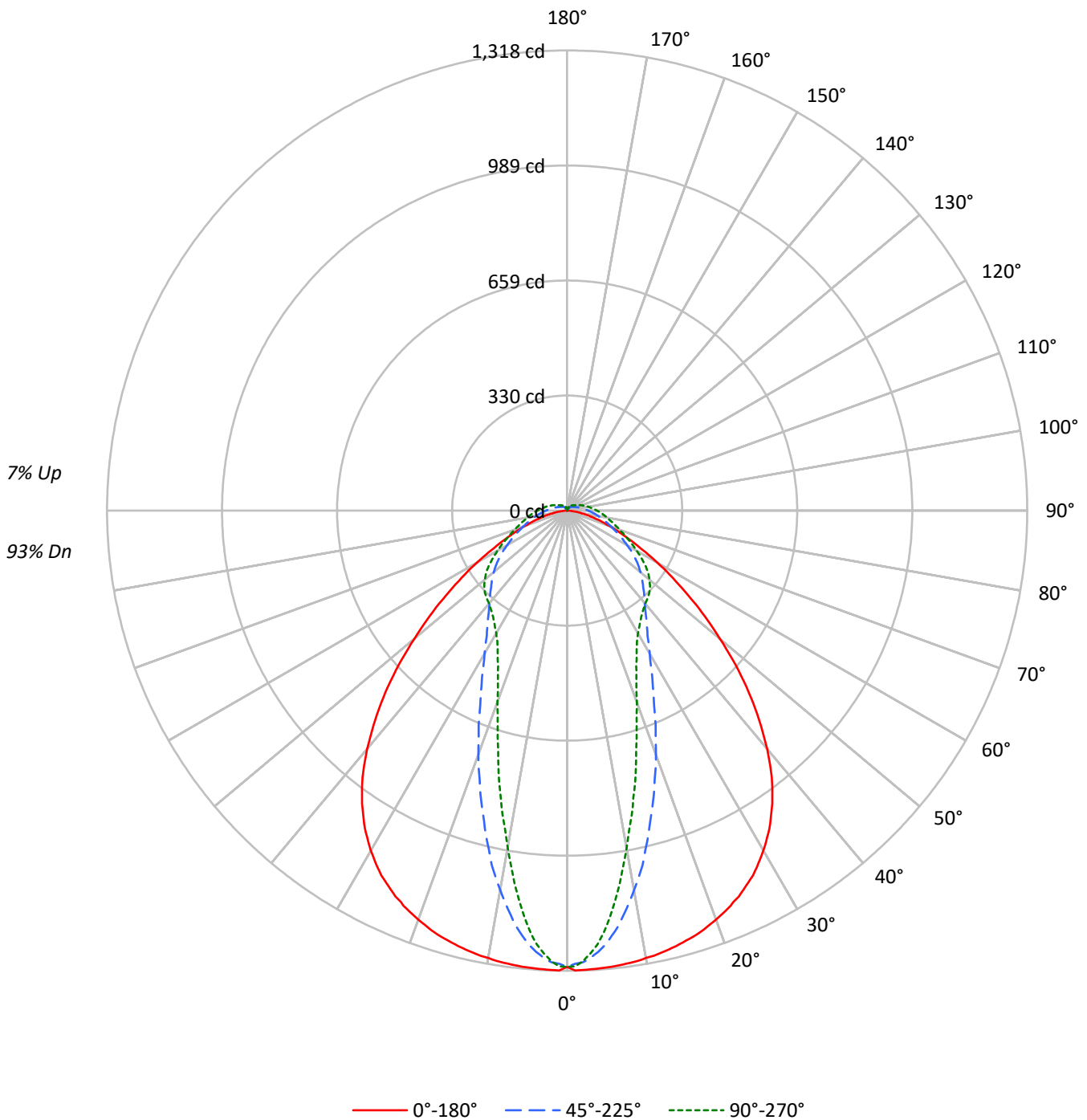
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2083.1 lumens
Efficiency: N/A
Efficacy: 139.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78
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	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°	28130	28130	28130
5°	28175	25792	24744
10°	28034	22064	19197
15°	27915	17959	14388
20°	27720	14275	10767
25°	27358	11163	8545
30°	26667	9017	7289
35°	25428	7616	6631
40°	23398	6710	6275
45°	20678	6125	6083
50°	17393	5623	5746
55°	14171	5083	5247
60°	11212	4459	4602
65°	8587	3904	4004
70°	6540	3440	3543
75°	4917	3079	3229
80°	3309	2803	3000
85°	1657	2595	2877



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.7	5.6
10°-20°	271.2	13.0
20°-30°	322.0	15.5
30°-40°	323.9	15.6
40°-50°	301.1	14.5
50°-60°	247.9	11.9
60°-70°	174.7	8.4
70°-80°	114.2	5.5
80°-90°	72.9	3.5
90°-100°	47.8	2.3
100°-110°	32.5	1.6
110°-120°	22.2	1.1
120°-130°	15.4	0.7
130°-140°	10.4	0.5
140°-150°	6.4	0.3
150°-160°	3.3	0.2
160°-170°	1.2	0.1
170°-180°	0.2	0.0
0°-30°	708.9	34.0
0°-40°	1032.9	49.6
0°-60°	1582.0	75.9
0°-90°	1943.7	93.3
90°-120°	102.5	4.9
90°-150°	134.6	6.5
90°-180°	139.0	6.7
0°-180°	2083.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1307	1307	1307	1307	1307	
5°	1313	1296	1249	1225	1212	125
15°	1280	1144	920	805	761	362
25°	1196	884	586	492	472	551
35°	1024	598	397	372	370	637
45°	736	394	308	324	333	565
55°	422	259	238	264	273	382
65°	199	156	164	184	191	202
75°	78	81	110	130	135	84
85°	13	37	74	96	100	16
90°	0	25	60	82	85	1
95°	0	19	50	69	72	0
105°	0	13	34	48	52	0
115°	1	11	24	35	37	1
125°	1	9	20	25	27	1
135°	1	8	15	20	21	1
145°	1	6	11	15	16	1
155°	1	4	8	11	12	1
165°	1	2	4	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°	1306.7	1306.7	1306.7	1306.7	1306.7
1°	1317.6	1312.2	1298.0	1307.8	1305.6
2°	1316.6	1311.1	1294.7	1299.1	1291.4
3°	1315.5	1307.8	1282.7	1281.6	1270.7
4°	1314.4	1302.4	1267.4	1254.3	1245.6
5°	1313.3	1295.8	1248.9	1224.9	1211.8
6°	1312.2	1288.2	1224.9	1188.8	1170.3
7°	1310.0	1276.2	1199.7	1150.6	1126.6
8°	1307.8	1265.2	1168.1	1109.1	1079.7
9°	1305.6	1251.1	1136.4	1064.4	1029.4
10°	1301.3	1236.9	1103.7	1018.5	981.4
11°	1299.1	1220.5	1072.0	974.9	931.2
12°	1294.7	1203.0	1038.2	929.0	890.8
13°	1290.4	1184.5	996.7	889.7	843.9
14°	1286.0	1164.8	960.7	846.0	803.5
15°	1280.5	1144.1	920.3	804.6	760.9
16°	1275.1	1120.1	884.3	762.0	716.1
17°	1269.6	1097.1	850.4	722.7	681.2
18°	1263.1	1074.2	811.1	684.5	644.1
19°	1254.3	1048.0	779.5	649.5	612.4
20°	1246.7	1024.0	743.4	616.8	584.0
21°	1238.0	994.5	707.4	586.2	553.5
22.5°	1224.9	953.0	661.6	548.0	517.5
23°	1218.3	941.0	643.0	533.8	507.6
24°	1209.6	909.4	612.4	512.0	485.8
25°	1196.5	884.3	586.2	492.3	471.6
26°	1184.5	853.7	560.0	474.9	454.1
27°	1172.5	824.2	537.1	456.3	438.9
28°	1157.2	793.6	512.0	441.0	425.8
29°	1140.8	765.3	491.3	427.9	415.9
30°	1124.4	733.6	473.8	415.9	406.1
32.5°	1078.6	663.7	429.0	393.0	386.5
35°	1024.0	598.2	397.4	372.3	370.1
37.5°	962.9	538.2	369.0	355.9	358.1
40°	890.8	483.6	345.0	343.9	348.2
42.5°	814.4	436.7	326.4	334.1	340.6
45°	735.8	394.1	307.9	324.2	333.0
47.5°	653.9	357.0	291.5	312.2	322.0
50°	570.9	321.0	274.0	298.0	307.9
52.5°	496.7	289.3	256.5	281.7	292.6
55°	422.5	258.7	238.0	264.2	272.9
57.5°	358.1	230.3	218.3	244.5	251.1
60°	298.0	203.1	198.7	222.7	230.3
62.5°	243.4	179.0	180.1	203.1	210.7
65°	198.7	156.1	163.8	184.5	191.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	161.6	134.3	147.4	169.2	174.7
70°	127.7	114.6	134.3	153.9	159.4
72.5°	101.5	97.2	121.2	141.9	146.3
75°	77.5	80.8	110.3	129.9	135.4
77.5°	55.7	67.7	99.3	120.1	124.5
80°	39.3	55.7	90.6	111.4	115.7
82.5°	25.1	45.9	81.9	103.7	108.1
85°	13.1	37.1	74.2	96.1	100.4
87.5°	5.5	30.6	66.6	88.4	92.8
90°	0.0	25.1	60.0	81.9	85.2
92.5°	0.0	21.8	54.6	75.3	78.6
95°	0.0	18.6	50.2	68.8	72.1
97.5°	0.0	17.5	44.8	63.3	66.6
100°	0.0	15.3	40.4	57.9	62.2
102.5°	0.0	14.2	37.1	52.4	56.8
105°	0.0	13.1	33.8	48.0	52.4
107.5°	0.0	12.0	31.7	44.8	48.0
110°	0.0	12.0	28.4	41.5	44.8
112.5°	1.1	10.9	26.2	37.1	40.4
115°	1.1	10.9	24.0	34.9	37.1
117.5°	1.1	10.9	22.9	31.7	33.8
120°	1.1	9.8	21.8	29.5	31.7
122.5°	1.1	9.8	20.7	27.3	28.4
125°	1.1	8.7	19.7	25.1	27.3
127.5°	1.1	8.7	18.6	24.0	25.1
130°	1.1	8.7	17.5	21.8	24.0
132.5°	1.1	7.6	16.4	20.7	21.8
135°	1.1	7.6	15.3	19.7	20.7
137.5°	1.1	6.6	14.2	18.6	19.7
140°	1.1	6.6	13.1	17.5	18.6
142.5°	1.1	5.5	12.0	16.4	17.5
145°	1.1	5.5	10.9	15.3	16.4
147.5°	1.1	5.5	9.8	14.2	15.3
150°	1.1	4.4	8.7	13.1	14.2
152.5°	1.1	4.4	7.6	12.0	13.1
155°	1.1	4.4	7.6	10.9	12.0
157.5°	1.1	3.3	6.6	8.7	10.9
160°	1.1	3.3	5.5	7.6	9.8
162.5°	1.1	3.3	5.5	6.6	7.6
165°	1.1	2.2	4.4	5.5	6.6
167.5°	1.1	2.2	3.3	4.4	5.5
170°	1.1	2.2	3.3	3.3	4.4
172.5°	1.1	2.2	2.2	2.2	2.2
175°	2.2	2.2	2.2	2.2	1.1
177.5°	2.2	2.2	2.2	1.1	1.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	1.1	1.1	1.1	1.1	1.1

(END OF REPORT)