

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: P565568

Luminaire Tested: **2SNX-23SL-LN-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565568
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-L940-CD
Description: 2FT 2300 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

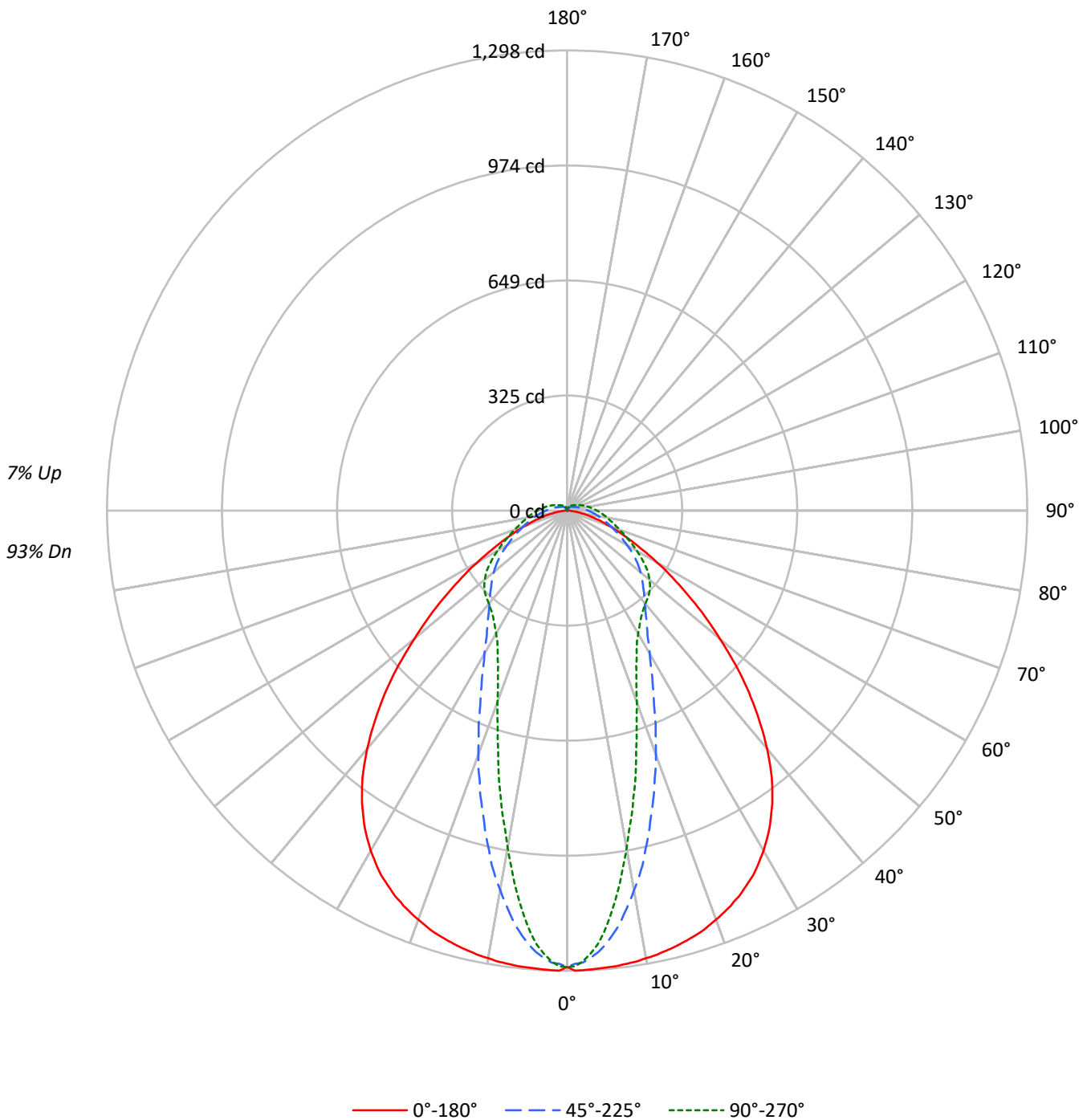
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2052.1 lumens
Efficiency: N/A
Efficacy: 137.7 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 (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	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°	27713	27713	27713
5°	27755	25408	24374
10°	27616	21736	18911
15°	27501	17692	14174
20°	27307	14064	10608
25°	26951	10998	8419
30°	26271	8882	7182
35°	25048	7503	6532
40°	23048	6608	6183
45°	20369	6034	5992
50°	17134	5539	5661
55°	13960	5006	5170
60°	11047	4392	4534
65°	8457	3844	3946
70°	6443	3389	3490
75°	4847	3032	3181
80°	3258	2762	2956
85°	1632	2557	2834



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.0	5.6
10°-20°	267.2	13.0
20°-30°	317.2	15.5
30°-40°	319.1	15.6
40°-50°	296.6	14.5
50°-60°	244.3	11.9
60°-70°	172.1	8.4
70°-80°	112.5	5.5
80°-90°	71.8	3.5
90°-100°	47.1	2.3
100°-110°	32.0	1.6
110°-120°	21.9	1.1
120°-130°	15.2	0.7
130°-140°	10.2	0.5
140°-150°	6.3	0.3
150°-160°	3.3	0.2
160°-170°	1.2	0.1
170°-180°	0.2	0.0
0°-30°	698.4	34.0
0°-40°	1017.5	49.6
0°-60°	1558.4	75.9
0°-90°	1914.8	93.3
90°-120°	101.0	4.9
90°-150°	132.6	6.5
90°-180°	137.0	6.7
0°-180°	2052.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1287	1287	1287	1287	1287	
5°	1294	1276	1230	1207	1194	123
15°	1262	1127	907	793	750	356
25°	1179	871	578	485	465	542
35°	1009	589	392	367	365	627
45°	725	388	303	319	328	556
55°	416	255	234	260	269	376
65°	196	154	161	182	188	199
75°	76	80	109	128	133	83
85°	13	37	73	95	99	16
90°	0	25	59	81	84	1
95°	0	18	50	68	71	0
105°	0	13	33	47	52	0
115°	1	11	24	34	37	1
125°	1	9	19	25	27	1
135°	1	8	15	19	20	1
145°	1	5	11	15	16	1
155°	1	4	8	11	12	1
165°	1	2	4	5	6	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°	1287.3	1287.3	1287.3	1287.3	1287.3
1°	1298.0	1292.7	1278.7	1288.4	1286.2
2°	1297.0	1291.6	1275.5	1279.8	1272.2
3°	1295.9	1288.4	1263.6	1262.5	1251.8
4°	1294.8	1283.0	1248.6	1235.7	1227.1
5°	1293.7	1276.5	1230.3	1206.6	1193.7
6°	1292.7	1269.0	1206.6	1171.1	1152.9
7°	1290.5	1257.2	1181.9	1133.5	1109.8
8°	1288.4	1246.4	1150.7	1092.6	1063.6
9°	1286.2	1232.4	1119.5	1048.5	1014.1
10°	1281.9	1218.5	1087.3	1003.4	966.8
11°	1279.8	1202.3	1056.1	960.4	917.3
12°	1275.5	1185.1	1022.7	915.2	877.5
13°	1271.1	1166.8	981.9	876.5	831.3
14°	1266.8	1147.5	946.4	833.5	791.5
15°	1261.5	1127.0	906.6	792.6	749.6
16°	1256.1	1103.4	871.1	750.6	705.5
17°	1250.7	1080.8	837.8	711.9	671.1
18°	1244.3	1058.2	799.0	674.3	634.5
19°	1235.7	1032.4	767.9	639.9	603.3
20°	1228.1	1008.7	732.4	607.6	575.4
21°	1219.5	979.7	696.9	577.5	545.2
22.5°	1206.6	938.8	651.7	539.9	509.8
23°	1200.2	927.0	633.4	525.9	500.1
24°	1191.6	895.8	603.3	504.4	478.6
25°	1178.7	871.1	577.5	485.0	464.6
26°	1166.8	841.0	551.7	467.8	447.4
27°	1155.0	811.9	529.1	449.5	432.3
28°	1139.9	781.8	504.4	434.5	419.4
29°	1123.8	753.9	483.9	421.6	409.7
30°	1107.7	722.7	466.7	409.7	400.1
32.5°	1062.5	653.9	422.6	387.2	380.7
35°	1008.7	589.3	391.5	366.7	364.6
37.5°	948.5	530.2	363.5	350.6	352.7
40°	877.5	476.4	339.8	338.8	343.1
42.5°	802.3	430.2	321.6	329.1	335.5
45°	724.8	388.2	303.3	319.4	328.0
47.5°	644.2	351.7	287.1	307.6	317.2
50°	562.4	316.2	269.9	293.6	303.3
52.5°	489.3	285.0	252.7	277.5	288.2
55°	416.2	254.9	234.4	260.3	268.9
57.5°	352.7	226.9	215.1	240.9	247.3
60°	293.6	200.0	195.7	219.4	226.9
62.5°	239.8	176.4	177.4	200.0	207.6
65°	195.7	153.8	161.3	181.7	188.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	159.2	132.3	145.2	166.7	172.1
70°	125.8	112.9	132.3	151.6	157.0
72.5°	100.0	95.7	119.4	139.8	144.1
75°	76.4	79.6	108.6	128.0	133.4
77.5°	54.8	66.7	97.9	118.3	122.6
80°	38.7	54.8	89.3	109.7	114.0
82.5°	24.7	45.2	80.7	102.2	106.5
85°	12.9	36.6	73.1	94.6	98.9
87.5°	5.4	30.1	65.6	87.1	91.4
90°	0.0	24.7	59.1	80.7	83.9
92.5°	0.0	21.5	53.8	74.2	77.4
95°	0.0	18.3	49.5	67.8	71.0
97.5°	0.0	17.2	44.1	62.4	65.6
100°	0.0	15.1	39.8	57.0	61.3
102.5°	0.0	14.0	36.6	51.6	55.9
105°	0.0	12.9	33.3	47.3	51.6
107.5°	0.0	11.8	31.2	44.1	47.3
110°	0.0	11.8	28.0	40.9	44.1
112.5°	1.1	10.8	25.8	36.6	39.8
115°	1.1	10.8	23.7	34.4	36.6
117.5°	1.1	10.8	22.6	31.2	33.3
120°	1.1	9.7	21.5	29.0	31.2
122.5°	1.1	9.7	20.4	26.9	28.0
125°	1.1	8.6	19.4	24.7	26.9
127.5°	1.1	8.6	18.3	23.7	24.7
130°	1.1	8.6	17.2	21.5	23.7
132.5°	1.1	7.5	16.1	20.4	21.5
135°	1.1	7.5	15.1	19.4	20.4
137.5°	1.1	6.5	14.0	18.3	19.4
140°	1.1	6.5	12.9	17.2	18.3
142.5°	1.1	5.4	11.8	16.1	17.2
145°	1.1	5.4	10.8	15.1	16.1
147.5°	1.1	5.4	9.7	14.0	15.1
150°	1.1	4.3	8.6	12.9	14.0
152.5°	1.1	4.3	7.5	11.8	12.9
155°	1.1	4.3	7.5	10.8	11.8
157.5°	1.1	3.2	6.5	8.6	10.8
160°	1.1	3.2	5.4	7.5	9.7
162.5°	1.1	3.2	5.4	6.5	7.5
165°	1.1	2.2	4.3	5.4	6.5
167.5°	1.1	2.2	3.2	4.3	5.4
170°	1.1	2.2	3.2	3.2	4.3
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)