

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: P565564

Luminaire Tested: **2SNX-23SL-LN-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565564
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-L840-CD
Description: 2FT 2300 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

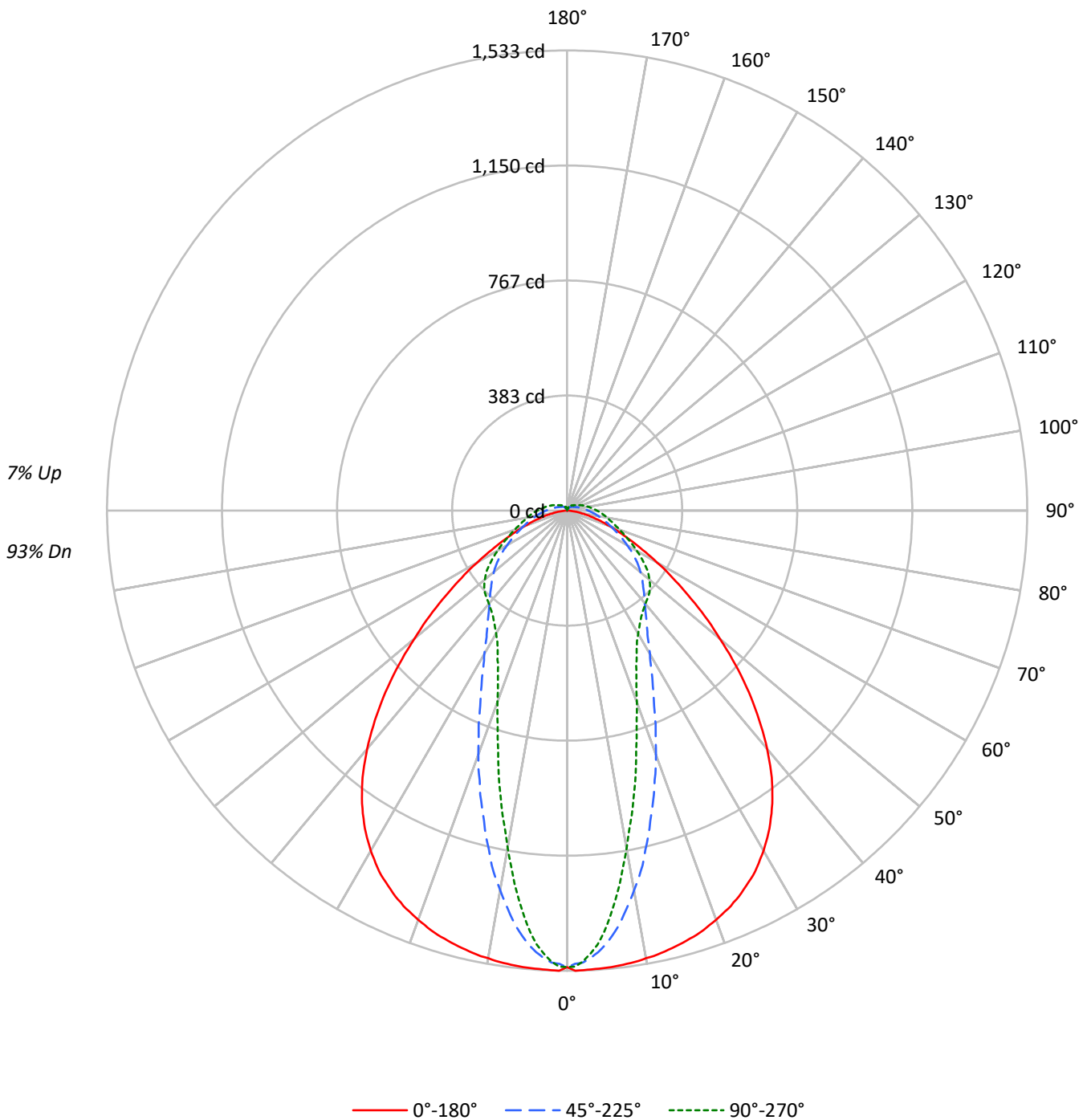
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2424.0 lumens
Efficiency: N/A
Efficacy: 162.7 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°	32735	32735	32735
5°	32788	30013	28793
10°	32623	25676	22340
15°	32487	20898	16744
20°	32259	16612	12531
25°	31835	12992	9944
30°	31034	10492	8483
35°	29589	8861	7717
40°	27227	7806	7304
45°	24062	7126	7078
50°	20241	6544	6685
55°	16489	5914	6106
60°	13048	5188	5357
65°	9992	4543	4661
70°	7611	4004	4123
75°	5723	3582	3756
80°	3847	3260	3493
85°	1923	3022	3350



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.7	5.6
10°-20°	315.7	13.0
20°-30°	374.7	15.5
30°-40°	377.0	15.6
40°-50°	350.4	14.5
50°-60°	288.5	11.9
60°-70°	203.3	8.4
70°-80°	132.8	5.5
80°-90°	84.8	3.5
90°-100°	55.6	2.3
100°-110°	37.8	1.6
110°-120°	25.9	1.1
120°-130°	17.9	0.7
130°-140°	12.0	0.5
140°-150°	7.4	0.3
150°-160°	3.9	0.2
160°-170°	1.4	0.1
170°-180°	0.2	0.0
0°-30°	825.0	34.0
0°-40°	1202.0	49.6
0°-60°	1840.9	75.9
0°-90°	2261.9	93.3
90°-120°	119.3	4.9
90°-150°	156.6	6.5
90°-180°	162.0	6.7
0°-180°	2424.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1521	1521	1521	1521	1521	
5°	1528	1508	1453	1425	1410	145
15°	1490	1331	1071	936	886	421
25°	1392	1029	682	573	549	641
35°	1192	696	462	433	431	741
45°	856	459	358	377	388	657
55°	492	301	277	307	318	444
65°	231	182	191	215	222	235
75°	90	94	128	151	158	98
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°	1520.6	1520.6	1520.6	1520.6	1520.6
1°	1533.4	1527.0	1510.5	1521.9	1519.4
2°	1532.1	1525.7	1506.7	1511.8	1502.9
3°	1530.8	1521.9	1492.7	1491.4	1478.7
4°	1529.5	1515.6	1474.9	1459.7	1449.5
5°	1528.3	1507.9	1453.3	1425.4	1410.1
6°	1527.0	1499.1	1425.4	1383.4	1361.8
7°	1524.5	1485.1	1396.2	1339.0	1311.0
8°	1521.9	1472.4	1359.3	1290.7	1256.4
9°	1519.4	1455.9	1322.5	1238.6	1198.0
10°	1514.3	1439.3	1284.4	1185.3	1142.1
11°	1511.8	1420.3	1247.5	1134.5	1083.6
12°	1506.7	1400.0	1208.1	1081.1	1036.6
13°	1501.6	1378.4	1159.9	1035.4	982.0
14°	1496.5	1355.5	1117.9	984.5	935.0
15°	1490.2	1331.4	1070.9	936.3	885.5
16°	1483.8	1303.4	1029.0	886.7	833.4
17°	1477.5	1276.7	989.6	841.0	792.7
18°	1469.8	1250.1	943.9	796.5	749.5
19°	1459.7	1219.6	907.1	755.9	712.7
20°	1450.8	1191.6	865.1	717.8	679.7
21°	1440.6	1157.3	823.2	682.2	644.1
22.5°	1425.4	1109.0	769.9	637.7	602.2
23°	1417.7	1095.1	748.3	621.2	590.7
24°	1407.6	1058.2	712.7	595.8	565.3
25°	1392.3	1029.0	682.2	572.9	548.8
26°	1378.4	993.4	651.7	552.6	528.5
27°	1364.4	959.1	625.0	531.0	510.7
28°	1346.6	923.6	595.8	513.2	495.4
29°	1327.5	890.5	571.7	498.0	484.0
30°	1308.5	853.7	551.3	484.0	472.6
32.5°	1255.1	772.4	499.3	457.3	449.7
35°	1191.6	696.2	462.4	433.2	430.7
37.5°	1120.5	626.3	429.4	414.1	416.7
40°	1036.6	562.8	401.4	400.2	405.3
42.5°	947.7	508.2	379.8	388.7	396.4
45°	856.2	458.6	358.2	377.3	387.5
47.5°	761.0	415.4	339.2	363.3	374.8
50°	664.4	373.5	318.9	346.8	358.2
52.5°	578.0	336.7	298.5	327.8	340.5
55°	491.6	301.1	276.9	307.4	317.6
57.5°	416.7	268.1	254.1	284.6	292.2
60°	346.8	236.3	231.2	259.2	268.1
62.5°	283.3	208.3	209.6	236.3	245.2
65°	231.2	181.7	190.6	214.7	222.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	188.0	156.3	171.5	196.9	203.3
70°	148.6	133.4	156.3	179.1	185.5
72.5°	118.1	113.1	141.0	165.1	170.2
75°	90.2	94.0	128.3	151.2	157.5
77.5°	64.8	78.8	115.6	139.7	144.8
80°	45.7	64.8	105.4	129.6	134.7
82.5°	29.2	53.4	95.3	120.7	125.8
85°	15.2	43.2	86.4	111.8	116.9
87.5°	6.4	35.6	77.5	102.9	108.0
90°	0.0	29.2	69.9	95.3	99.1
92.5°	0.0	25.4	63.5	87.7	91.5
95°	0.0	21.6	58.4	80.0	83.8
97.5°	0.0	20.3	52.1	73.7	77.5
100°	0.0	17.8	47.0	67.3	72.4
102.5°	0.0	16.5	43.2	61.0	66.1
105°	0.0	15.2	39.4	55.9	61.0
107.5°	0.0	14.0	36.8	52.1	55.9
110°	0.0	14.0	33.0	48.3	52.1
112.5°	1.3	12.7	30.5	43.2	47.0
115°	1.3	12.7	27.9	40.7	43.2
117.5°	1.3	12.7	26.7	36.8	39.4
120°	1.3	11.4	25.4	34.3	36.8
122.5°	1.3	11.4	24.1	31.8	33.0
125°	1.3	10.2	22.9	29.2	31.8
127.5°	1.3	10.2	21.6	27.9	29.2
130°	1.3	10.2	20.3	25.4	27.9
132.5°	1.3	8.9	19.1	24.1	25.4
135°	1.3	8.9	17.8	22.9	24.1
137.5°	1.3	7.6	16.5	21.6	22.9
140°	1.3	7.6	15.2	20.3	21.6
142.5°	1.3	6.4	14.0	19.1	20.3
145°	1.3	6.4	12.7	17.8	19.1
147.5°	1.3	6.4	11.4	16.5	17.8
150°	1.3	5.1	10.2	15.2	16.5
152.5°	1.3	5.1	8.9	14.0	15.2
155°	1.3	5.1	8.9	12.7	14.0
157.5°	1.3	3.8	7.6	10.2	12.7
160°	1.3	3.8	6.4	8.9	11.4
162.5°	1.3	3.8	6.4	7.6	8.9
165°	1.3	2.5	5.1	6.4	7.6
167.5°	1.3	2.5	3.8	5.1	6.4
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)