

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: P565560

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565560
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-L940-CD
Description: 2FT 2300 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

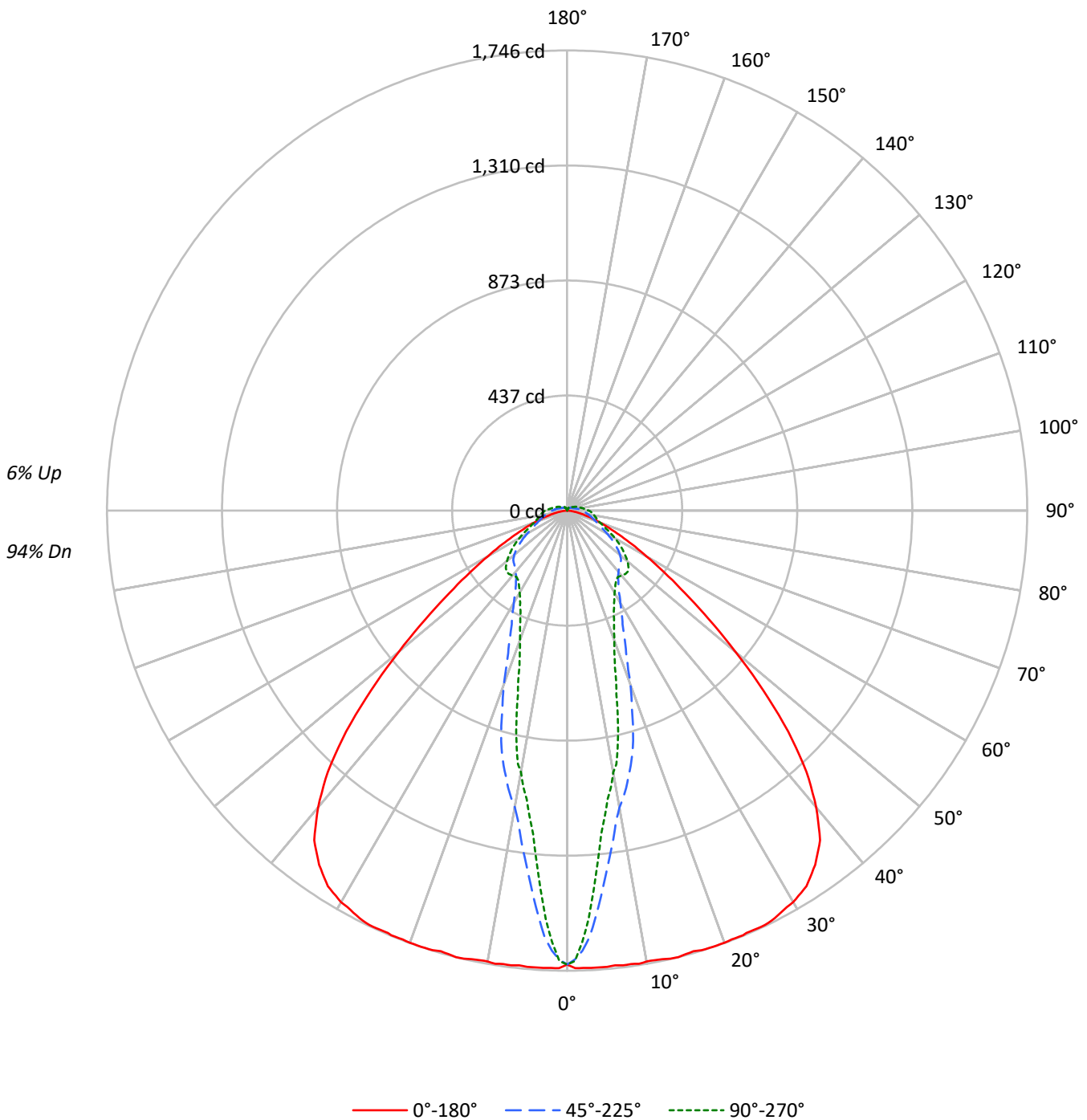
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2123.0 lumens
Efficiency: N/A
Efficacy: 142.5 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 (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	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°	37077	37077	37077
5°	37276	30379	27259
10°	37432	22881	19729
15°	37974	18661	13660
20°	38802	13476	9648
25°	39853	9634	7591
30°	40694	7681	6464
35°	40741	6485	5789
40°	38637	5883	5803
45°	33327	5672	5962
50°	25390	5381	5563
55°	18246	4694	4937
60°	13101	3907	4174
65°	9404	3294	3422
70°	6796	2900	2950
75°	4695	2672	2749
80°	2930	2490	2707
85°	1240	2361	2714



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.4	6.4
10°-20°	294.1	13.9
20°-30°	336.7	15.9
30°-40°	337.3	15.9
40°-50°	319.3	15.0
50°-60°	244.9	11.5
60°-70°	157.8	7.4
70°-80°	100.6	4.7
80°-90°	66.8	3.1
90°-100°	44.9	2.1
100°-110°	29.6	1.4
110°-120°	20.6	1.0
120°-130°	14.4	0.7
130°-140°	10.0	0.5
140°-150°	6.1	0.3
150°-160°	3.1	0.1
160°-170°	1.2	0.1
170°-180°	0.2	0.0
0°-30°	766.2	36.1
0°-40°	1103.5	52.0
0°-60°	1667.6	78.5
0°-90°	1992.9	93.9
90°-120°	95.1	4.5
90°-150°	125.6	5.9
90°-180°	130.0	6.1
0°-180°	2123.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1722	1722	1722	1722	1722	
5°	1738	1642	1471	1372	1335	166
15°	1742	1254	956	786	722	494
25°	1743	888	506	440	419	804
35°	1641	494	338	328	323	1018
45°	1186	312	285	316	326	902
55°	544	223	220	247	257	500
65°	218	140	138	158	163	224
75°	74	76	96	110	115	81
85°	10	35	68	88	95	13
90°	0	24	57	78	82	0
95°	0	17	47	64	68	0
105°	0	13	30	44	47	1
115°	1	11	23	32	34	1
125°	1	10	20	23	24	1
135°	1	8	15	18	20	1
145°	1	5	11	14	15	1
155°	1	3	6	10	11	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°	1722.3	1722.3	1722.3	1722.3	1722.3
1°	1736.4	1726.6	1703.8	1710.3	1709.2
2°	1736.4	1715.8	1671.1	1658.1	1638.5
3°	1737.5	1697.3	1621.1	1578.7	1551.5
4°	1737.5	1670.1	1547.1	1476.4	1441.6
5°	1737.5	1641.8	1471.0	1371.9	1335.0
6°	1735.3	1608.0	1393.7	1289.3	1233.8
7°	1738.6	1571.1	1324.1	1212.0	1168.5
8°	1737.5	1527.5	1259.9	1153.3	1105.4
9°	1740.8	1485.1	1190.3	1097.8	1061.9
10°	1737.5	1445.9	1144.6	1045.6	1008.6
11°	1737.5	1407.9	1111.9	1011.8	980.3
12°	1739.7	1364.3	1076.0	964.0	920.4
13°	1745.1	1319.7	1034.7	911.7	860.6
14°	1746.2	1286.0	996.6	845.4	792.1
15°	1741.9	1254.4	956.3	785.5	722.4
16°	1739.7	1221.8	908.5	729.0	672.4
17°	1744.0	1183.7	854.1	671.3	619.1
18°	1745.1	1148.9	796.4	627.8	582.1
19°	1745.1	1121.7	749.6	587.5	548.3
20°	1745.1	1095.6	701.8	557.0	523.3
21°	1743.0	1063.0	647.4	525.5	497.2
22.5°	1744.0	1002.0	585.3	488.5	465.7
23°	1740.8	986.8	570.1	478.7	454.8
24°	1741.9	943.3	537.5	459.1	436.3
25°	1743.0	887.8	505.9	439.5	418.9
26°	1740.8	843.2	479.8	421.1	406.9
27°	1735.3	807.3	461.3	405.8	392.8
28°	1727.7	759.4	441.7	392.8	380.8
29°	1720.1	705.0	422.1	378.6	369.9
30°	1715.8	661.5	403.6	367.7	360.1
32.5°	1689.6	575.5	365.6	346.0	339.5
35°	1640.7	493.9	338.4	327.5	323.1
37.5°	1576.5	430.8	317.7	315.5	316.6
40°	1471.0	380.8	302.5	312.3	322.0
42.5°	1344.7	341.6	291.6	315.5	326.4
45°	1185.9	312.3	285.1	315.5	326.4
47.5°	1009.7	288.3	277.4	304.6	315.5
50°	833.4	266.6	262.2	288.3	298.1
52.5°	677.8	245.9	242.6	267.6	277.4
55°	544.0	223.0	219.8	247.0	256.8
57.5°	436.3	201.3	198.0	223.0	232.8
60°	348.2	179.5	174.1	199.1	208.9
62.5°	277.4	158.8	155.6	177.3	186.0
65°	217.6	140.4	138.2	157.8	163.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	171.9	122.9	124.0	140.4	146.9
70°	132.7	106.6	113.2	128.4	132.7
72.5°	100.1	90.3	104.4	117.5	122.9
75°	74.0	76.2	95.7	109.9	115.3
77.5°	51.1	63.1	88.1	103.4	108.8
80°	34.8	51.1	80.5	97.9	104.4
82.5°	20.7	42.4	74.0	92.5	100.1
85°	9.8	34.8	67.5	88.1	94.7
87.5°	3.3	28.3	60.9	83.8	89.2
90°	0.0	23.9	56.6	78.3	81.6
92.5°	0.0	20.7	51.1	71.8	74.0
95°	0.0	17.4	46.8	64.2	67.5
97.5°	0.0	16.3	43.5	57.7	62.0
100°	0.0	15.2	39.2	52.2	56.6
102.5°	0.0	13.1	34.8	46.8	51.1
105°	0.0	13.1	30.5	43.5	46.8
107.5°	1.1	12.0	28.3	39.2	43.5
110°	1.1	12.0	25.0	37.0	40.3
112.5°	1.1	12.0	23.9	33.7	38.1
115°	1.1	10.9	22.8	31.6	33.7
117.5°	1.1	10.9	21.8	28.3	30.5
120°	1.1	9.8	20.7	26.1	27.2
122.5°	1.1	9.8	19.6	23.9	25.0
125°	1.1	9.8	19.6	22.8	23.9
127.5°	1.1	8.7	18.5	21.8	21.8
130°	1.1	8.7	17.4	20.7	20.7
132.5°	1.1	7.6	16.3	19.6	20.7
135°	1.1	7.6	15.2	18.5	19.6
137.5°	1.1	6.5	14.1	17.4	18.5
140°	1.1	6.5	13.1	16.3	17.4
142.5°	1.1	5.4	12.0	15.2	16.3
145°	1.1	5.4	10.9	14.1	15.2
147.5°	1.1	5.4	9.8	13.1	14.1
150°	1.1	4.4	8.7	12.0	13.1
152.5°	1.1	4.4	7.6	10.9	12.0
155°	1.1	3.3	6.5	9.8	10.9
157.5°	1.1	3.3	6.5	8.7	9.8
160°	2.2	3.3	5.4	7.6	8.7
162.5°	1.1	2.2	5.4	6.5	7.6
165°	2.2	2.2	4.4	5.4	6.5
167.5°	2.2	2.2	3.3	4.4	5.4
170°	2.2	2.2	3.3	3.3	4.4
172.5°	2.2	2.2	2.2	3.3	2.2
175°	2.2	2.2	2.2	2.2	1.1
177.5°	2.2	2.2	2.2	2.2	1.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	2.2	2.2	2.2	2.2	2.2

(END OF REPORT)