

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: P565561

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565561
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-L950-CD
Description: 2FT 2300 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

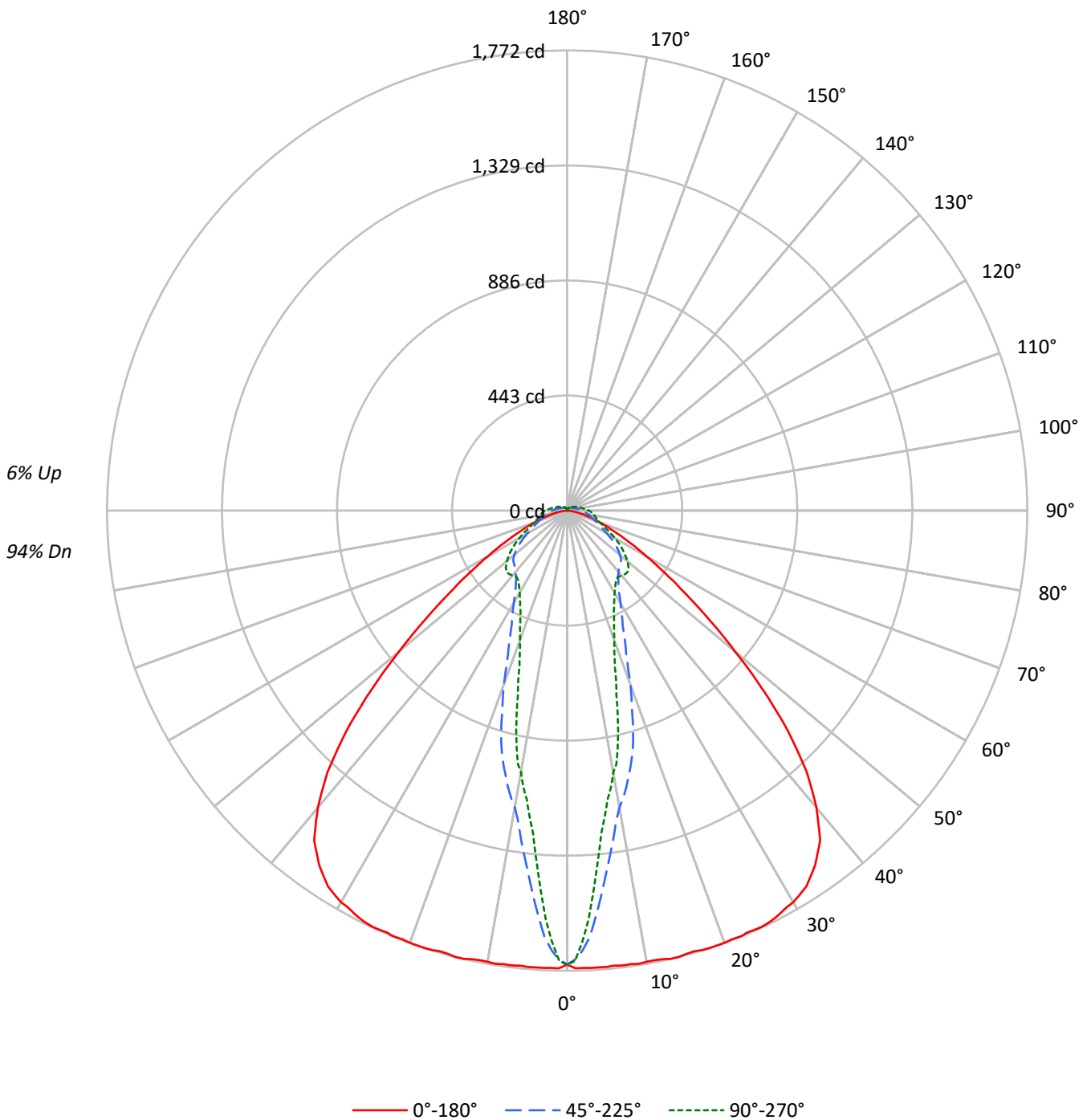
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2155.0 lumens
Efficiency: N/A
Efficacy: 144.6 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 (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																	
RC	80									70									30									10									0								
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	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°	37635	37635	37635
5°	37838	30835	27670
10°	37996	23225	20026
15°	38545	18944	13866
20°	39387	13678	9793
25°	40452	9779	7705
30°	41306	7797	6562
35°	41355	6583	5877
40°	39218	5971	5891
45°	33830	5755	6052
50°	25774	5463	5647
55°	18521	4765	5010
60°	13297	3965	4236
65°	9546	3344	3474
70°	6899	2943	2994
75°	4765	2714	2792
80°	2972	2527	2749
85°	1252	2396	2754



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.5	6.4
10°-20°	298.6	13.9
20°-30°	341.7	15.9
30°-40°	342.4	15.9
40°-50°	324.1	15.0
50°-60°	248.5	11.5
60°-70°	160.2	7.4
70°-80°	102.2	4.7
80°-90°	67.8	3.1
90°-100°	45.6	2.1
100°-110°	30.1	1.4
110°-120°	20.9	1.0
120°-130°	14.6	0.7
130°-140°	10.1	0.5
140°-150°	6.2	0.3
150°-160°	3.1	0.1
160°-170°	1.2	0.1
170°-180°	0.2	0.0
0°-30°	777.8	36.1
0°-40°	1120.1	52.0
0°-60°	1692.8	78.6
0°-90°	2023.0	93.9
90°-120°	96.5	4.5
90°-150°	127.5	5.9
90°-180°	132.0	6.1
0°-180°	2155.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1748	1748	1748	1748	1748	
5°	1764	1666	1493	1393	1355	168
15°	1768	1273	971	797	733	502
25°	1769	901	514	446	425	816
35°	1665	501	344	332	328	1033
45°	1204	317	289	320	331	915
55°	552	226	223	251	261	508
65°	221	142	140	160	166	227
75°	75	77	97	112	117	83
85°	10	35	68	90	96	14
90°	0	24	57	80	83	0
95°	0	18	48	65	68	0
105°	0	13	31	44	48	1
115°	1	11	23	32	34	1
125°	1	10	20	23	24	1
135°	1	8	16	19	20	1
145°	1	6	11	14	16	1
155°	1	3	7	10	11	1
165°	2	2	4	6	7	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°	1748.2	1748.2	1748.2	1748.2	1748.2
1°	1762.6	1752.7	1729.5	1736.1	1735.0
2°	1762.6	1741.6	1696.3	1683.1	1663.2
3°	1763.7	1722.8	1645.5	1602.5	1574.9
4°	1763.7	1695.2	1570.4	1498.6	1463.3
5°	1763.7	1666.5	1493.1	1392.6	1355.1
6°	1761.5	1632.3	1414.7	1308.7	1252.4
7°	1764.8	1594.7	1344.0	1230.3	1186.1
8°	1763.7	1550.6	1278.9	1170.6	1122.1
9°	1767.0	1507.5	1208.2	1114.3	1077.9
10°	1763.7	1467.7	1161.8	1061.3	1023.8
11°	1763.7	1429.1	1128.7	1027.1	995.1
12°	1765.9	1384.9	1092.2	978.5	934.3
13°	1771.4	1339.6	1050.3	925.5	873.6
14°	1772.5	1305.4	1011.6	858.1	804.0
15°	1768.1	1273.4	970.8	797.4	733.3
16°	1765.9	1240.2	922.2	739.9	682.5
17°	1770.3	1201.6	866.9	681.4	628.4
18°	1771.4	1166.2	808.4	637.2	590.8
19°	1771.4	1138.6	760.9	596.4	556.6
20°	1771.4	1112.1	712.3	565.4	531.2
21°	1769.2	1079.0	657.1	533.4	504.7
22.5°	1770.3	1017.1	594.2	495.9	472.7
23°	1767.0	1001.7	578.7	485.9	461.6
24°	1768.1	957.5	545.6	466.1	442.9
25°	1769.2	901.2	513.5	446.2	425.2
26°	1767.0	855.9	487.0	427.4	413.0
27°	1761.5	819.5	468.3	411.9	398.7
28°	1753.8	770.9	448.4	398.7	386.5
29°	1746.0	715.6	428.5	384.3	375.5
30°	1741.6	671.5	409.7	373.3	365.6
32.5°	1715.1	584.2	371.1	351.2	344.6
35°	1665.4	501.4	343.5	332.4	328.0
37.5°	1600.3	437.3	322.5	320.3	321.4
40°	1493.1	386.5	307.0	317.0	326.9
42.5°	1365.0	346.8	296.0	320.3	331.3
45°	1203.8	317.0	289.3	320.3	331.3
47.5°	1024.9	292.7	281.6	309.2	320.3
50°	846.0	270.6	266.2	292.7	302.6
52.5°	688.0	249.6	246.3	271.7	281.6
55°	552.2	226.4	223.1	250.7	260.6
57.5°	442.9	204.3	201.0	226.4	236.3
60°	353.4	182.2	176.7	202.1	212.0
62.5°	281.6	161.2	157.9	180.0	188.8
65°	220.9	142.5	140.3	160.1	165.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	174.5	124.8	125.9	142.5	149.1
70°	134.7	108.2	114.9	130.3	134.7
72.5°	101.6	91.7	106.0	119.3	124.8
75°	75.1	77.3	97.2	111.5	117.1
77.5°	51.9	64.1	89.5	104.9	110.4
80°	35.3	51.9	81.7	99.4	106.0
82.5°	21.0	43.1	75.1	93.9	101.6
85°	9.9	35.3	68.5	89.5	96.1
87.5°	3.3	28.7	61.8	85.0	90.6
90°	0.0	24.3	57.4	79.5	82.8
92.5°	0.0	21.0	51.9	72.9	75.1
95°	0.0	17.7	47.5	65.2	68.5
97.5°	0.0	16.6	44.2	58.5	62.9
100°	0.0	15.5	39.8	53.0	57.4
102.5°	0.0	13.3	35.3	47.5	51.9
105°	0.0	13.3	30.9	44.2	47.5
107.5°	1.1	12.1	28.7	39.8	44.2
110°	1.1	12.1	25.4	37.5	40.9
112.5°	1.1	12.1	24.3	34.2	38.7
115°	1.1	11.0	23.2	32.0	34.2
117.5°	1.1	11.0	22.1	28.7	30.9
120°	1.1	9.9	21.0	26.5	27.6
122.5°	1.1	9.9	19.9	24.3	25.4
125°	1.1	9.9	19.9	23.2	24.3
127.5°	1.1	8.8	18.8	22.1	22.1
130°	1.1	8.8	17.7	21.0	21.0
132.5°	1.1	7.7	16.6	19.9	21.0
135°	1.1	7.7	15.5	18.8	19.9
137.5°	1.1	6.6	14.4	17.7	18.8
140°	1.1	6.6	13.3	16.6	17.7
142.5°	1.1	5.5	12.1	15.5	16.6
145°	1.1	5.5	11.0	14.4	15.5
147.5°	1.1	5.5	9.9	13.3	14.4
150°	1.1	4.4	8.8	12.1	13.3
152.5°	1.1	4.4	7.7	11.0	12.1
155°	1.1	3.3	6.6	9.9	11.0
157.5°	1.1	3.3	6.6	8.8	9.9
160°	2.2	3.3	5.5	7.7	8.8
162.5°	1.1	2.2	5.5	6.6	7.7
165°	2.2	2.2	4.4	5.5	6.6
167.5°	2.2	2.2	3.3	4.4	5.5
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)