

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: P565555

Luminaire Tested: **2SNX-23SL-LC-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565555
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-L835-CD
Description: 2FT 2300 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

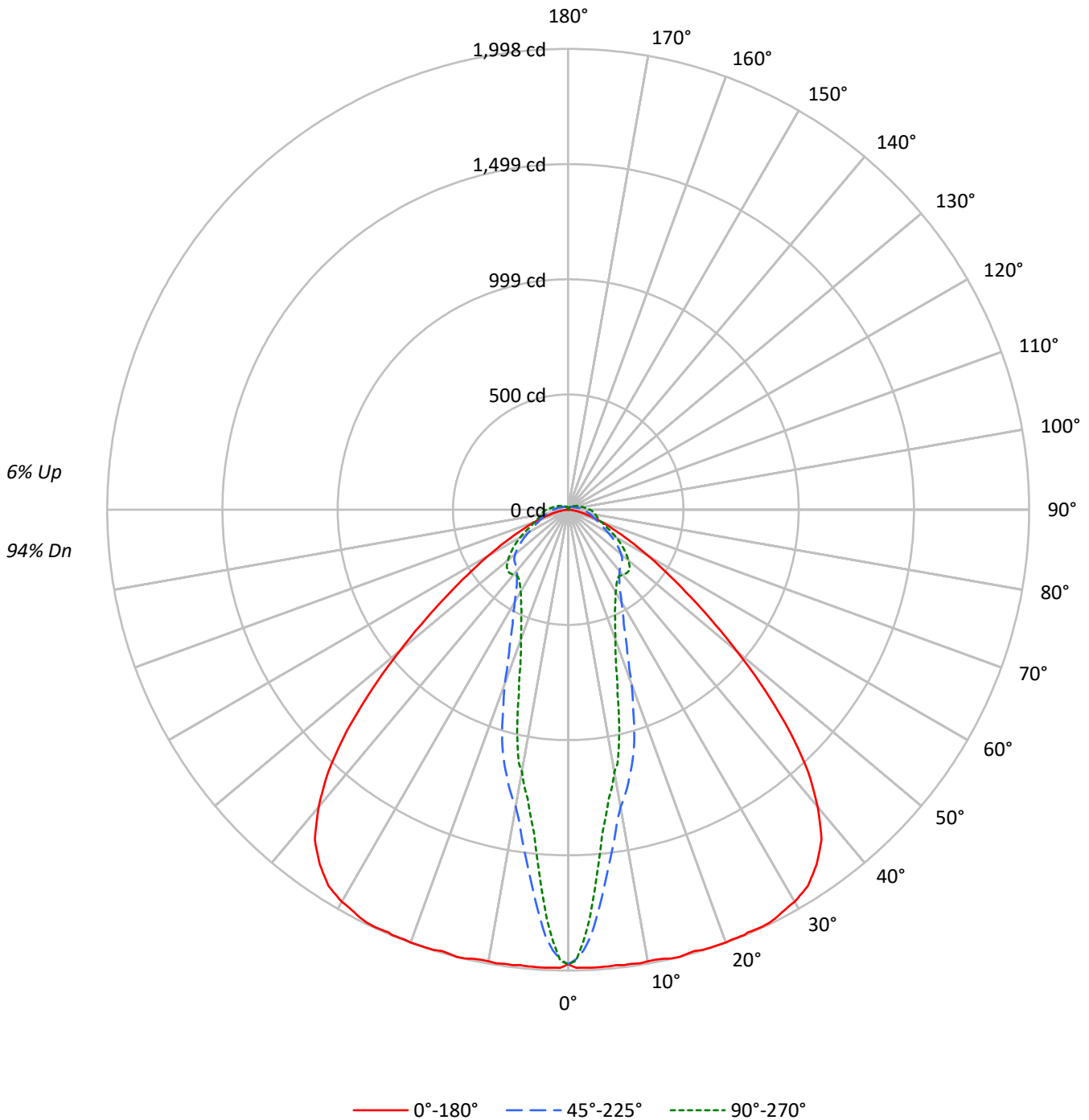
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2429.0 lumens
Efficiency: N/A
Efficacy: 163.0 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					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°	42421	42421	42421
5°	42648	34757	31188
10°	42826	26178	22571
15°	43446	21352	15629
20°	44397	15418	11039
25°	45597	11023	8683
30°	46559	8789	7395
35°	46614	7418	6624
40°	44206	6731	6641
45°	38130	6488	6821
50°	29049	6156	6366
55°	20876	5371	5649
60°	14986	4470	4776
65°	10761	3768	3914
70°	7780	3317	3376
75°	5367	3057	3145
80°	3351	2849	3099
85°	1417	2700	3103



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.0	6.4
10°-20°	336.5	13.9
20°-30°	385.2	15.9
30°-40°	385.9	15.9
40°-50°	365.3	15.0
50°-60°	280.2	11.5
60°-70°	180.6	7.4
70°-80°	115.1	4.7
80°-90°	76.5	3.1
90°-100°	51.4	2.1
100°-110°	33.9	1.4
110°-120°	23.6	1.0
120°-130°	16.4	0.7
130°-140°	11.4	0.5
140°-150°	7.0	0.3
150°-160°	3.5	0.1
160°-170°	1.4	0.1
170°-180°	0.3	0.0
0°-30°	876.7	36.1
0°-40°	1262.6	52.0
0°-60°	1908.0	78.6
0°-90°	2280.2	93.9
90°-120°	108.8	4.5
90°-150°	143.6	5.9
90°-180°	149.0	6.1
0°-180°	2429.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1970	1970	1970	1970	1970	
5°	1988	1878	1683	1570	1527	190
15°	1993	1435	1094	899	826	565
25°	1994	1016	579	503	479	919
35°	1877	565	387	375	370	1165
45°	1357	357	326	361	373	1032
55°	622	255	252	283	294	572
65°	249	161	158	180	187	256
75°	85	87	110	126	132	93
85°	11	40	77	101	108	15
90°	0	27	65	90	93	1
95°	0	20	54	73	77	0
105°	0	15	35	50	54	1
115°	1	12	26	36	39	1
125°	1	11	22	26	27	1
135°	1	9	17	21	22	1
145°	1	6	12	16	17	1
155°	1	4	8	11	12	1
165°	2	2	5	6	8	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°	1970.5	1970.5	1970.5	1970.5	1970.5
1°	1986.7	1975.5	1949.4	1956.8	1955.6
2°	1986.7	1963.1	1912.0	1897.1	1874.7
3°	1987.9	1941.9	1854.8	1806.2	1775.1
4°	1987.9	1910.8	1770.1	1689.2	1649.4
5°	1987.9	1878.4	1683.0	1569.7	1527.4
6°	1985.5	1839.8	1594.6	1475.1	1411.6
7°	1989.2	1797.5	1514.9	1386.7	1336.9
8°	1987.9	1747.7	1441.5	1319.5	1264.7
9°	1991.7	1699.2	1361.8	1256.0	1214.9
10°	1987.9	1654.3	1309.5	1196.3	1153.9
11°	1987.9	1610.8	1272.2	1157.7	1121.6
12°	1990.4	1561.0	1231.1	1102.9	1053.1
13°	1996.7	1509.9	1183.8	1043.1	984.6
14°	1997.9	1471.4	1140.2	967.2	906.2
15°	1992.9	1435.3	1094.2	898.7	826.5
16°	1990.4	1397.9	1039.4	834.0	769.3
17°	1995.4	1354.3	977.2	768.0	708.3
18°	1996.7	1314.5	911.2	718.3	666.0
19°	1996.7	1283.4	857.7	672.2	627.4
20°	1996.7	1253.5	802.9	637.3	598.8
21°	1994.2	1216.2	740.7	601.2	568.9
22.5°	1995.4	1146.5	669.7	558.9	532.8
23°	1991.7	1129.0	652.3	547.7	520.3
24°	1992.9	1079.2	614.9	525.3	499.2
25°	1994.2	1015.8	578.8	502.9	479.2
26°	1991.7	964.7	549.0	481.7	465.6
27°	1985.5	923.6	527.8	464.3	449.4
28°	1976.7	868.9	505.4	449.4	435.7
29°	1968.0	806.6	483.0	433.2	423.2
30°	1963.1	756.8	461.8	420.7	412.0
32.5°	1933.2	658.5	418.3	395.8	388.4
35°	1877.2	565.1	387.1	374.7	369.7
37.5°	1803.7	492.9	363.5	361.0	362.2
40°	1683.0	435.7	346.1	357.3	368.5
42.5°	1538.6	390.9	333.6	361.0	373.4
45°	1356.8	357.3	326.1	361.0	373.4
47.5°	1155.2	329.9	317.4	348.5	361.0
50°	953.5	305.0	300.0	329.9	341.1
52.5°	775.5	281.3	277.6	306.2	317.4
55°	622.4	255.2	251.5	282.6	293.8
57.5°	499.2	230.3	226.6	255.2	266.4
60°	398.3	205.4	199.2	227.8	239.0
62.5°	317.4	181.7	178.0	202.9	212.9
65°	249.0	160.6	158.1	180.5	186.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	196.7	140.7	141.9	160.6	168.0
70°	151.9	122.0	129.5	146.9	151.9
72.5°	114.5	103.3	119.5	134.4	140.7
75°	84.6	87.1	109.5	125.7	131.9
77.5°	58.5	72.2	100.8	118.3	124.5
80°	39.8	58.5	92.1	112.0	119.5
82.5°	23.7	48.5	84.6	105.8	114.5
85°	11.2	39.8	77.2	100.8	108.3
87.5°	3.7	32.4	69.7	95.8	102.1
90°	0.0	27.4	64.7	89.6	93.4
92.5°	0.0	23.7	58.5	82.2	84.6
95°	0.0	19.9	53.5	73.4	77.2
97.5°	0.0	18.7	49.8	66.0	71.0
100°	0.0	17.4	44.8	59.8	64.7
102.5°	0.0	14.9	39.8	53.5	58.5
105°	0.0	14.9	34.9	49.8	53.5
107.5°	1.2	13.7	32.4	44.8	49.8
110°	1.2	13.7	28.6	42.3	46.1
112.5°	1.2	13.7	27.4	38.6	43.6
115°	1.2	12.4	26.1	36.1	38.6
117.5°	1.2	12.4	24.9	32.4	34.9
120°	1.2	11.2	23.7	29.9	31.1
122.5°	1.2	11.2	22.4	27.4	28.6
125°	1.2	11.2	22.4	26.1	27.4
127.5°	1.2	10.0	21.2	24.9	24.9
130°	1.2	10.0	19.9	23.7	23.7
132.5°	1.2	8.7	18.7	22.4	23.7
135°	1.2	8.7	17.4	21.2	22.4
137.5°	1.2	7.5	16.2	19.9	21.2
140°	1.2	7.5	14.9	18.7	19.9
142.5°	1.2	6.2	13.7	17.4	18.7
145°	1.2	6.2	12.4	16.2	17.4
147.5°	1.2	6.2	11.2	14.9	16.2
150°	1.2	5.0	10.0	13.7	14.9
152.5°	1.2	5.0	8.7	12.4	13.7
155°	1.2	3.7	7.5	11.2	12.4
157.5°	1.2	3.7	7.5	10.0	11.2
160°	2.5	3.7	6.2	8.7	10.0
162.5°	1.2	2.5	6.2	7.5	8.7
165°	2.5	2.5	5.0	6.2	7.5
167.5°	2.5	2.5	3.7	5.0	6.2
170°	2.5	2.5	3.7	3.7	5.0
172.5°	2.5	2.5	2.5	3.7	2.5
175°	2.5	2.5	2.5	2.5	1.2
177.5°	2.5	2.5	2.5	2.5	1.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	2.5	2.5	2.5	2.5	2.5

(END OF REPORT)