

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: P565573

Luminaire Tested: **2SNX-23SL-LW-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565573
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2SNX-23SL-LW-UNV-L850-CD
Description: 2FT 2300 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

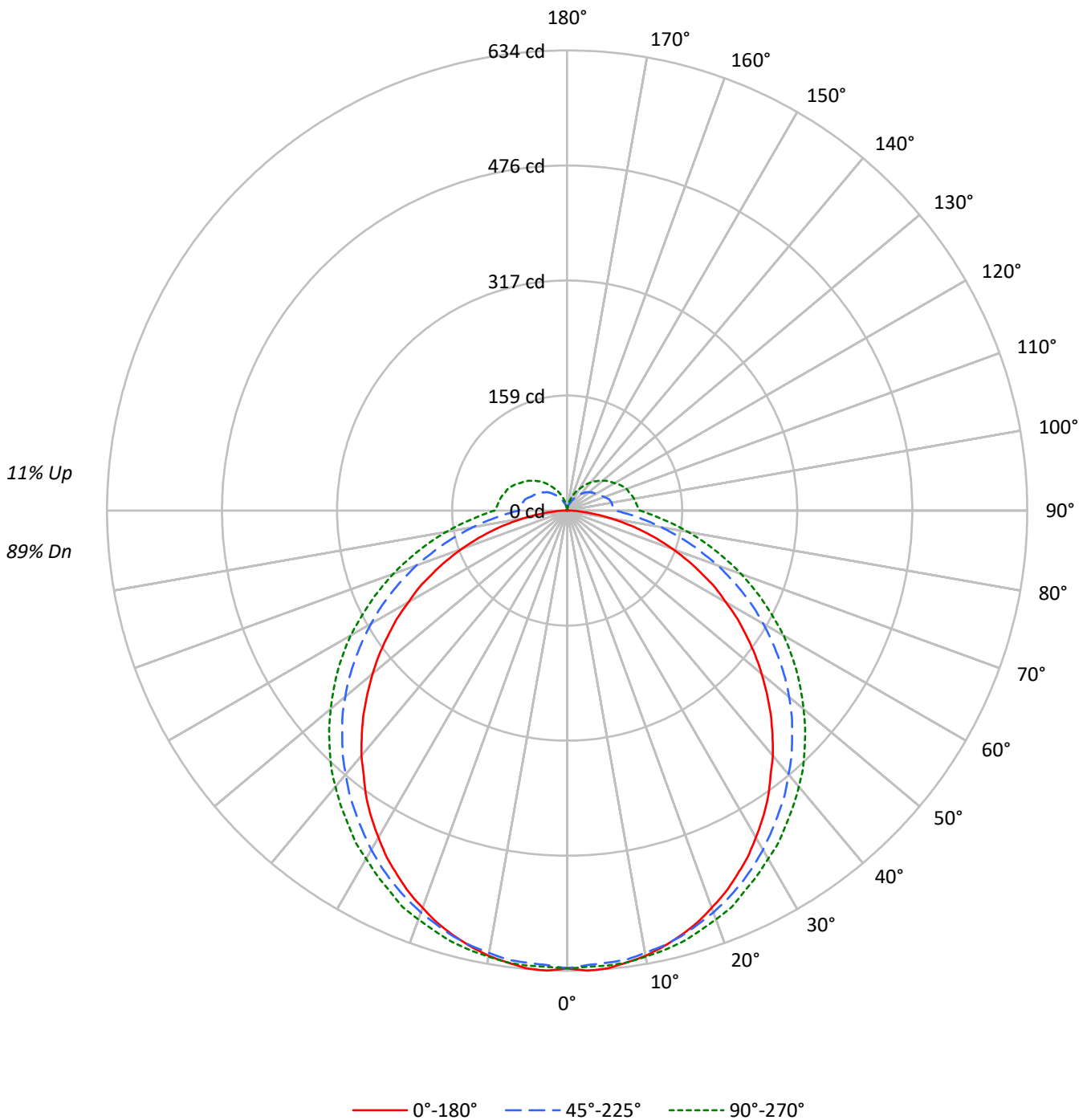
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2244.9 lumens
Efficiency: N/A
Efficacy: 150.7 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.17')
CIE Type: Semi-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	0
RCR																		
0	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89
1	105	100	95	90	101	96	92	88	90	86	83	84	81	79	79	76	74	71
2	95	86	79	73	91	83	77	71	78	72	68	73	68	64	68	65	61	58
3	86	75	67	60	83	73	65	59	68	61	56	64	58	54	60	55	51	49
4	79	66	57	50	75	64	56	49	60	53	47	57	50	46	53	48	44	41
5	72	59	50	43	69	57	49	42	54	46	41	51	44	39	48	42	38	35
6	67	53	44	37	64	51	43	37	48	41	35	46	39	34	43	38	33	31
7	62	48	39	33	59	47	38	32	44	37	31	42	35	30	39	34	29	27
8	57	44	35	29	55	42	34	29	40	33	28	38	32	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	28	24	22
10	50	37	29	24	48	36	28	23	34	27	23	32	26	22	31	25	21	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	13575	13575	13575
5°	13584	12916	12850
10°	13417	12372	12208
15°	13209	11849	11629
20°	12952	11310	11050
25°	12665	10796	10484
30°	12335	10269	9942
35°	11979	9743	9435
40°	11578	9230	8951
45°	11146	8718	8456
50°	10657	8192	7936
55°	10119	7609	7425
60°	9493	7004	6886
65°	8820	6354	6271
70°	7923	5661	5666
75°	6763	4863	5022
80°	5034	4062	4382
85°	2960	3319	3725



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.9	2.7
10°-20°	172.2	7.7
20°-30°	261.8	11.7
30°-40°	317.8	14.2
40°-50°	335.8	15.0
50°-60°	314.3	14.0
60°-70°	257.8	11.5
70°-80°	177.3	7.9
80°-90°	97.1	4.3
90°-100°	62.5	2.8
100°-110°	56.1	2.5
110°-120°	46.4	2.1
120°-130°	35.8	1.6
130°-140°	25.1	1.1
140°-150°	15.1	0.7
150°-160°	7.2	0.3
160°-170°	2.4	0.1
170°-180°	0.3	0.0
0°-30°	493.8	22.0
0°-40°	811.6	36.2
0°-60°	1461.7	65.1
0°-90°	1993.9	88.8
90°-120°	165.1	7.4
90°-150°	241.1	10.7
90°-180°	251.0	11.2
0°-180°	2244.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	631	631	631	631	631	
5°	633	632	625	631	629	60
15°	606	608	607	615	615	171
25°	554	560	567	579	579	255
35°	482	494	508	523	527	301
45°	397	415	438	458	463	306
55°	302	326	356	378	386	270
65°	204	231	267	291	299	202
75°	107	135	174	202	211	112
85°	23	56	95	121	130	27
90°	0	31	66	91	100	2
95°	0	30	64	87	96	0
105°	0	25	60	82	90	1
115°	1	22	51	73	82	1
125°	1	18	43	62	70	1
135°	1	14	35	51	57	1
145°	1	10	25	39	43	1
155°	1	6	16	25	29	1
165°	1	4	8	12	14	0
175°	1	1	3	3	1	0
180°	1	1	1	1	1	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	630.6	630.6	630.6	630.6	630.6
2.5°	634.5	633.2	626.7	631.9	629.3
5°	633.2	631.9	625.4	630.6	629.3
7.5°	628.0	628.0	624.1	629.3	628.0
10°	622.8	622.8	618.9	625.4	624.1
12.5°	615.0	616.3	613.7	621.5	620.2
15°	605.9	608.5	607.2	615.0	615.0
17.5°	595.5	598.1	598.1	607.2	607.2
20°	582.5	586.4	589.0	599.4	599.4
22.5°	569.5	574.7	578.6	587.7	591.6
25°	553.9	560.4	566.9	578.6	578.6
27.5°	538.3	546.1	553.9	565.6	566.9
30°	520.1	529.2	539.6	551.3	553.9
32.5°	501.9	513.6	524.0	538.3	542.2
35°	482.4	494.1	508.4	522.7	526.6
37.5°	460.3	474.6	492.8	508.4	512.3
40°	440.8	456.4	474.6	492.8	496.7
42.5°	418.7	435.6	457.7	474.6	481.1
45°	396.6	414.8	438.2	457.7	462.9
47.5°	373.2	394.0	420.0	438.2	444.7
50°	349.8	371.9	399.2	420.0	425.2
52.5°	326.4	349.8	378.4	399.2	405.7
55°	301.7	326.4	356.3	378.4	386.2
57.5°	278.3	303.0	334.2	357.6	365.4
60°	252.3	280.9	312.1	335.5	344.6
62.5°	230.1	256.2	290.0	313.4	321.2
65°	204.1	231.4	266.6	291.3	299.1
67.5°	179.4	208.0	243.1	269.2	277.0
70°	154.7	183.3	221.0	245.7	254.9
72.5°	130.0	159.9	196.3	223.6	232.7
75°	106.6	135.2	174.2	201.5	210.6
77.5°	81.9	113.1	152.1	179.4	189.8
80°	59.8	92.3	131.3	158.6	169.0
82.5°	40.3	72.8	111.8	139.1	149.5
85°	23.4	55.9	94.9	120.9	130.0
87.5°	11.7	42.9	79.3	105.3	114.4
90°	0.0	31.2	66.3	91.0	100.1
92.5°	0.0	29.9	65.0	88.4	97.5
95°	0.0	29.9	63.7	87.1	96.2
97.5°	0.0	28.6	62.4	87.1	94.9
100°	0.0	27.3	62.4	85.8	93.6
102.5°	0.0	26.0	61.1	84.5	92.3
105°	0.0	24.7	59.8	81.9	89.7
107.5°	1.3	24.7	57.2	80.6	88.4
110°	1.3	23.4	54.6	79.3	87.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.3	22.1	52.0	76.7	84.5
115°	1.3	22.1	50.7	72.8	81.9
117.5°	1.3	20.8	48.1	70.2	79.3
120°	1.3	20.8	46.8	67.6	75.4
122.5°	1.3	19.5	44.2	65.0	72.8
125°	1.3	18.2	42.9	62.4	70.2
127.5°	1.3	16.9	41.6	59.8	67.6
130°	1.3	15.6	39.0	57.2	63.7
132.5°	1.3	15.6	37.7	53.3	61.1
135°	1.3	14.3	35.1	50.7	57.2
137.5°	1.3	13.0	32.5	48.1	54.6
140°	1.3	11.7	29.9	45.5	50.7
142.5°	1.3	11.7	27.3	41.6	46.8
145°	1.3	10.4	24.7	39.0	42.9
147.5°	1.3	9.1	22.1	35.1	39.0
150°	1.3	9.1	19.5	31.2	35.1
152.5°	1.3	7.8	16.9	28.6	32.5
155°	1.3	6.5	15.6	24.7	28.6
157.5°	1.3	6.5	13.0	20.8	24.7
160°	1.3	5.2	11.7	16.9	20.8
162.5°	1.3	5.2	10.4	14.3	18.2
165°	1.3	3.9	7.8	11.7	14.3
167.5°	1.3	3.9	6.5	9.1	11.7
170°	1.3	2.6	5.2	6.5	9.1
172.5°	1.3	2.6	3.9	3.9	3.9
175°	1.3	1.3	2.6	2.6	1.3
177.5°	1.3	1.3	1.3	1.3	1.3
180°	1.3	1.3	1.3	1.3	1.3

(END OF REPORT)