

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: P565532

Luminaire Tested: **2SNX-19SL-SLW-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565532
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-19SL-SLW-UNV-L840-CD
Description: 2FT 1900 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

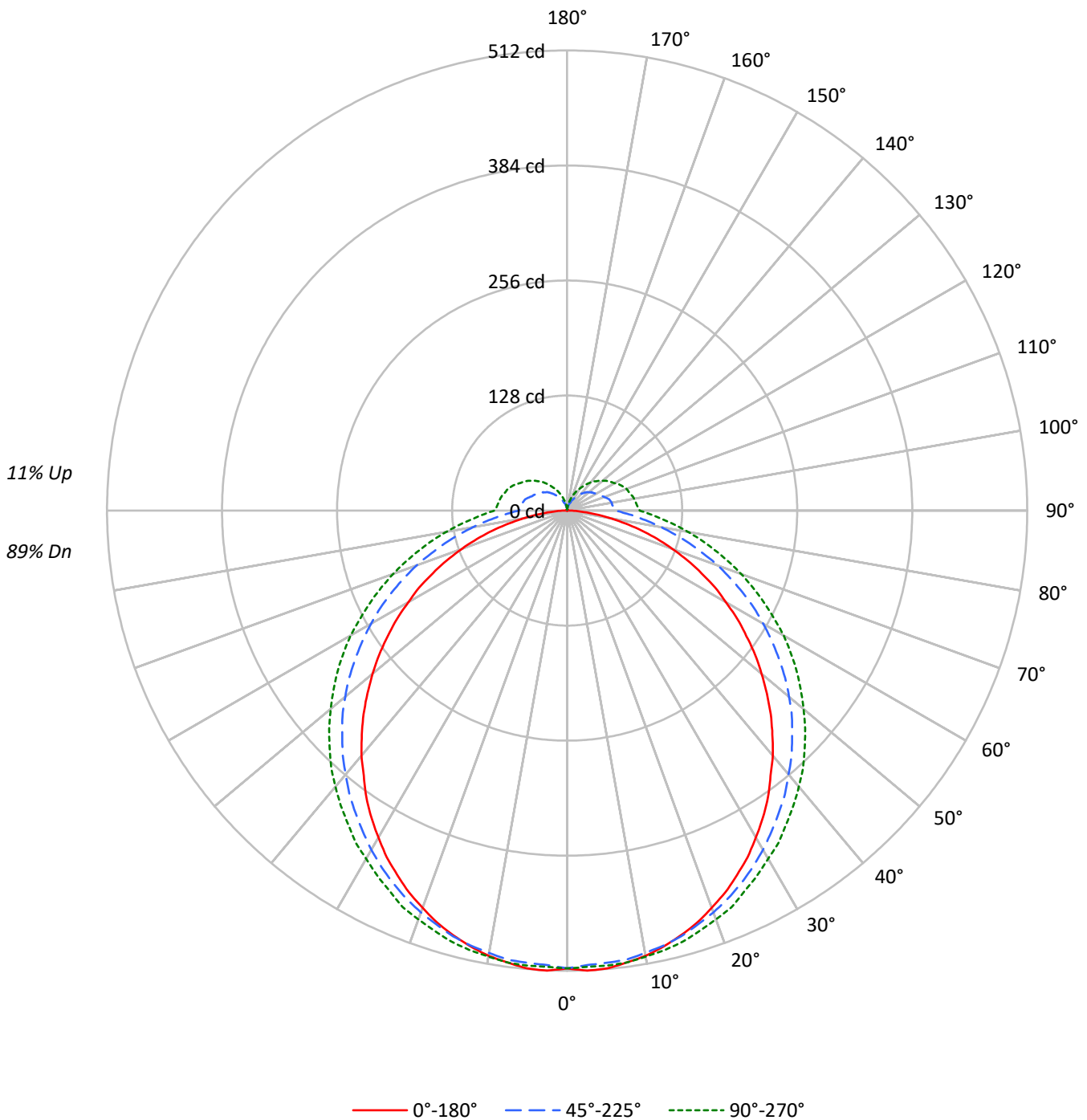
Lumens per Lamp: N/A
Luminaire Lumens: 1813.3 lumens
Efficiency: N/A
Efficacy: 151.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 12
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	76	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°	10964	10964	10964
5°	11011	10669	10672
10°	10916	10439	10408
15°	10785	10207	10166
20°	10616	9942	9895
25°	10423	9682	9612
30°	10196	9400	9331
35°	9950	9107	9069
40°	9668	8818	8816
45°	9363	8523	8544
50°	9015	8213	8240
55°	8631	7841	7941
60°	8182	7445	7608
65°	7713	7002	7186
70°	7063	6511	6774
75°	6201	5894	6319
80°	4847	5266	5870
85°	3166	4714	5409



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.4	2.7
10°-20°	139.0	7.7
20°-30°	211.4	11.7
30°-40°	256.6	14.2
40°-50°	271.2	15.0
50°-60°	253.8	14.0
60°-70°	208.2	11.5
70°-80°	143.2	7.9
80°-90°	78.5	4.3
90°-100°	50.5	2.8
100°-110°	45.3	2.5
110°-120°	37.5	2.1
120°-130°	28.9	1.6
130°-140°	20.3	1.1
140°-150°	12.3	0.7
150°-160°	5.9	0.3
160°-170°	1.9	0.1
170°-180°	0.2	0.0
0°-30°	398.8	22.0
0°-40°	655.5	36.1
0°-60°	1180.4	65.1
0°-90°	1610.4	88.8
90°-120°	133.4	7.4
90°-150°	194.9	10.7
90°-180°	203.0	11.2
0°-180°	1813.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	509	509	509	509	509	
5°	511	510	505	509	508	48
15°	489	491	490	497	497	138
25°	447	453	458	467	467	206
35°	390	399	411	422	425	243
45°	320	335	354	370	374	247
55°	244	264	288	306	312	218
65°	165	187	215	235	242	163
75°	86	109	141	163	170	91
85°	19	45	77	98	105	22
90°	0	25	54	74	81	1
95°	0	24	52	70	78	0
105°	0	20	48	66	72	1
115°	1	18	41	59	66	1
125°	1	15	35	50	57	1
135°	1	12	28	41	46	1
145°	1	8	20	32	35	1
155°	1	5	13	20	23	1
165°	1	3	6	10	12	0
175°	1	1	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°	509.3	509.3	509.3	509.3	509.3
2.5°	512.4	511.4	506.1	510.3	508.2
5°	511.4	510.3	505.1	509.3	508.2
7.5°	507.2	507.2	504.0	508.2	507.2
10°	503.0	503.0	499.8	505.1	504.0
12.5°	496.7	497.7	495.6	501.9	500.9
15°	489.3	491.4	490.4	496.7	496.7
17.5°	480.9	483.0	483.0	490.4	490.4
20°	470.4	473.6	475.7	484.1	484.1
22.5°	459.9	464.1	467.3	474.6	477.8
25°	447.3	452.6	457.8	467.3	467.3
27.5°	434.7	441.0	447.3	456.8	457.8
30°	420.0	427.4	435.8	445.2	447.3
32.5°	405.3	414.8	423.2	434.7	437.9
35°	389.6	399.0	410.6	422.1	425.3
37.5°	371.7	383.3	398.0	410.6	413.7
40°	356.0	368.6	383.3	398.0	401.1
42.5°	338.1	351.8	369.6	383.3	388.5
45°	320.3	335.0	353.9	369.6	373.8
47.5°	301.4	318.2	339.2	353.9	359.1
50°	282.5	300.3	322.4	339.2	343.4
52.5°	263.6	282.5	305.6	322.4	327.6
55°	243.6	263.6	287.7	305.6	311.9
57.5°	224.7	244.7	269.9	288.8	295.1
60°	203.7	226.8	252.0	270.9	278.3
62.5°	185.9	206.9	234.2	253.1	259.4
65°	164.9	186.9	215.3	235.2	241.5
67.5°	144.9	168.0	196.4	217.4	223.7
70°	125.0	148.1	178.5	198.5	205.8
72.5°	105.0	129.2	158.6	180.6	188.0
75°	86.1	109.2	140.7	162.8	170.1
77.5°	66.2	91.4	122.9	144.9	153.3
80°	48.3	74.6	106.1	128.1	136.5
82.5°	32.6	58.8	90.3	112.4	120.8
85°	18.9	45.2	76.7	97.7	105.0
87.5°	9.5	34.7	64.1	85.1	92.4
90°	0.0	25.2	53.6	73.5	80.9
92.5°	0.0	24.2	52.5	71.4	78.8
95°	0.0	24.2	51.5	70.4	77.7
97.5°	0.0	23.1	50.4	70.4	76.7
100°	0.0	22.1	50.4	69.3	75.6
102.5°	0.0	21.0	49.4	68.3	74.6
105°	0.0	20.0	48.3	66.2	72.5
107.5°	1.1	20.0	46.2	65.1	71.4
110°	1.1	18.9	44.1	64.1	70.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.1	17.9	42.0	62.0	68.3
115°	1.1	17.9	41.0	58.8	66.2
117.5°	1.1	16.8	38.9	56.7	64.1
120°	1.1	16.8	37.8	54.6	60.9
122.5°	1.1	15.8	35.7	52.5	58.8
125°	1.1	14.7	34.7	50.4	56.7
127.5°	1.1	13.7	33.6	48.3	54.6
130°	1.1	12.6	31.5	46.2	51.5
132.5°	1.1	12.6	30.5	43.1	49.4
135°	1.1	11.6	28.4	41.0	46.2
137.5°	1.1	10.5	26.3	38.9	44.1
140°	1.1	9.5	24.2	36.8	41.0
142.5°	1.1	9.5	22.1	33.6	37.8
145°	1.1	8.4	20.0	31.5	34.7
147.5°	1.1	7.4	17.9	28.4	31.5
150°	1.1	7.4	15.8	25.2	28.4
152.5°	1.1	6.3	13.7	23.1	26.3
155°	1.1	5.3	12.6	20.0	23.1
157.5°	1.1	5.3	10.5	16.8	20.0
160°	1.1	4.2	9.5	13.7	16.8
162.5°	1.1	4.2	8.4	11.6	14.7
165°	1.1	3.2	6.3	9.5	11.6
167.5°	1.1	3.2	5.3	7.4	9.5
170°	1.1	2.1	4.2	5.3	7.4
172.5°	1.1	2.1	3.2	3.2	3.2
175°	1.1	1.1	2.1	2.1	1.1
177.5°	1.1	1.1	1.1	1.1	1.1
180°	1.1	1.1	1.1	1.1	1.1

(END OF REPORT)