

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: P565522

Luminaire Tested: **2SNX-19SL-LW-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565522
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-LW-UNV-L830-CD
Description: 2FT 1900 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

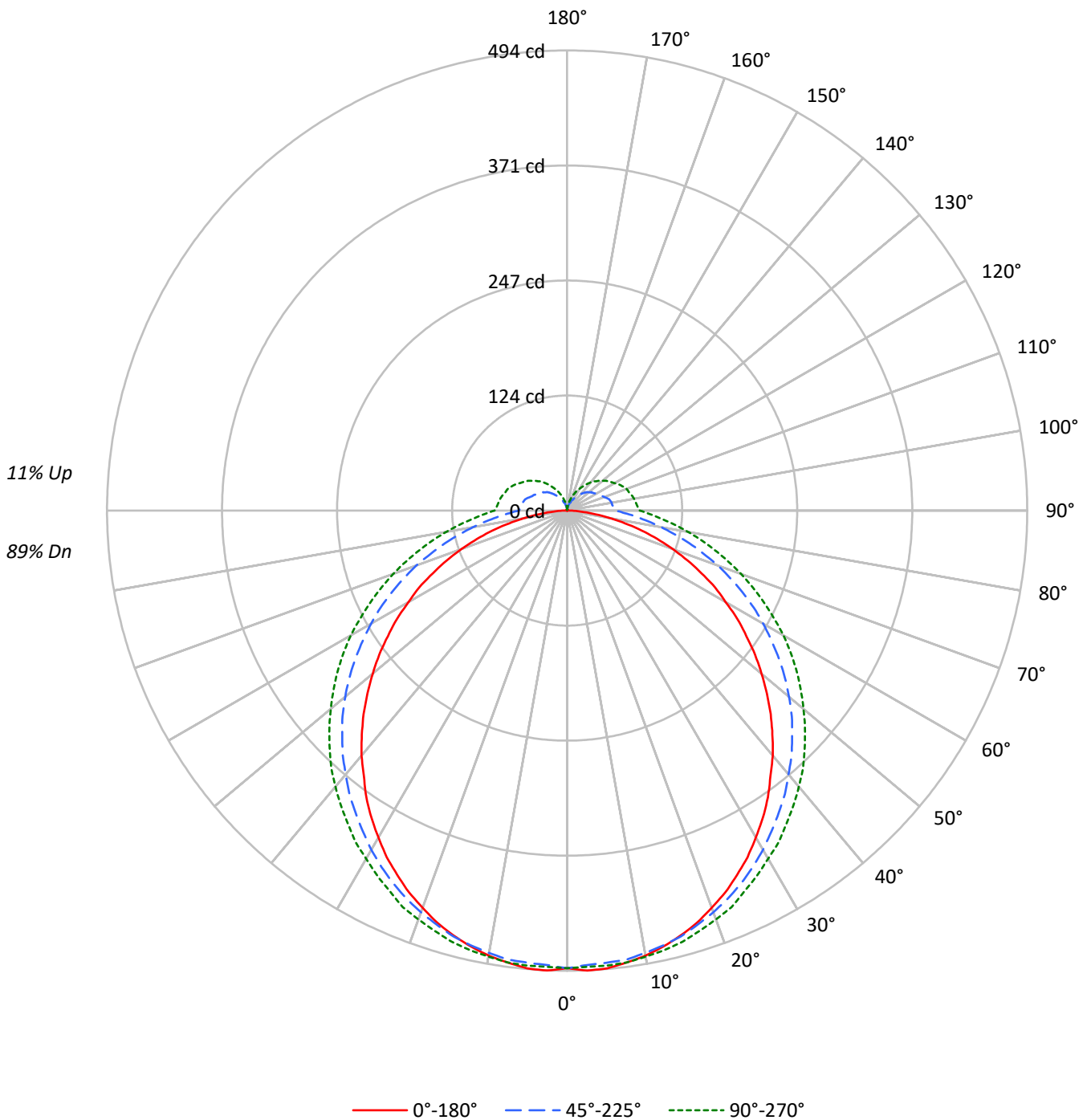
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1749.0 lumens
Efficiency: N/A
Efficacy: 145.7 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): 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	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°	10577	10577	10577
5°	10583	10062	10011
10°	10453	9639	9510
15°	10292	9232	9059
20°	10090	8812	8610
25°	9866	8412	8169
30°	9610	8001	7745
35°	9332	7591	7351
40°	9020	7190	6974
45°	8684	6792	6587
50°	8302	6382	6181
55°	7882	5929	5785
60°	7393	5456	5363
65°	6871	4950	4885
70°	6172	4411	4412
75°	5272	3789	3913
80°	3923	3165	3415
85°	2302	2585	2903



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.7	2.7
10°-20°	134.1	7.7
20°-30°	204.0	11.7
30°-40°	247.6	14.2
40°-50°	261.6	15.0
50°-60°	244.8	14.0
60°-70°	200.9	11.5
70°-80°	138.2	7.9
80°-90°	75.7	4.3
90°-100°	48.7	2.8
100°-110°	43.7	2.5
110°-120°	36.2	2.1
120°-130°	27.9	1.6
130°-140°	19.6	1.1
140°-150°	11.8	0.7
150°-160°	5.7	0.3
160°-170°	1.9	0.1
170°-180°	0.2	0.0
0°-30°	384.7	22.0
0°-40°	632.3	36.2
0°-60°	1138.7	65.1
0°-90°	1553.4	88.8
90°-120°	128.6	7.4
90°-150°	187.9	10.7
90°-180°	196.0	11.2
0°-180°	1749.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	491	491	491	491	491	
5°	493	492	487	491	490	47
15°	472	474	473	479	479	133
25°	432	437	442	451	451	199
35°	376	385	396	407	410	235
45°	309	323	341	357	361	238
55°	235	254	278	295	301	210
65°	159	180	208	227	233	157
75°	83	105	136	157	164	87
85°	18	44	74	94	101	21
90°	0	24	52	71	78	1
95°	0	23	50	68	75	0
105°	0	19	47	64	70	1
115°	1	17	40	57	64	1
125°	1	14	33	49	55	1
135°	1	11	27	40	45	1
145°	1	8	19	30	33	1
155°	1	5	12	19	22	0
165°	1	3	6	9	11	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°	491.3	491.3	491.3	491.3	491.3
2.5°	494.3	493.3	488.3	492.3	490.3
5°	493.3	492.3	487.2	491.3	490.3
7.5°	489.3	489.3	486.2	490.3	489.3
10°	485.2	485.2	482.2	487.2	486.2
12.5°	479.1	480.2	478.1	484.2	483.2
15°	472.1	474.1	473.1	479.1	479.1
17.5°	463.9	466.0	466.0	473.1	473.1
20°	453.8	456.9	458.9	467.0	467.0
22.5°	443.7	447.7	450.8	457.9	460.9
25°	431.5	436.6	441.7	450.8	450.8
27.5°	419.4	425.5	431.5	440.6	441.7
30°	405.2	412.3	420.4	429.5	431.5
32.5°	391.0	400.1	408.2	419.4	422.4
35°	375.8	384.9	396.1	407.2	410.3
37.5°	358.6	369.7	383.9	396.1	399.1
40°	343.4	355.6	369.7	383.9	387.0
42.5°	326.2	339.4	356.6	369.7	374.8
45°	309.0	323.1	341.4	356.6	360.6
47.5°	290.7	306.9	327.2	341.4	346.4
50°	272.5	289.7	311.0	327.2	331.2
52.5°	254.3	272.5	294.8	311.0	316.1
55°	235.0	254.3	277.6	294.8	300.9
57.5°	216.8	236.0	260.3	278.6	284.6
60°	196.5	218.8	243.1	261.4	268.4
62.5°	179.3	199.6	225.9	244.1	250.2
65°	159.0	180.3	207.7	226.9	233.0
67.5°	139.8	162.1	189.4	209.7	215.8
70°	120.5	142.8	172.2	191.5	198.5
72.5°	101.3	124.6	153.0	174.2	181.3
75°	83.1	105.4	135.7	157.0	164.1
77.5°	63.8	88.1	118.5	139.8	147.9
80°	46.6	71.9	102.3	123.6	131.7
82.5°	31.4	56.7	87.1	108.4	116.5
85°	18.2	43.6	73.9	94.2	101.3
87.5°	9.1	33.4	61.8	82.1	89.1
90°	0.0	24.3	51.7	70.9	78.0
92.5°	0.0	23.3	50.6	68.9	76.0
95°	0.0	23.3	49.6	67.9	75.0
97.5°	0.0	22.3	48.6	67.9	73.9
100°	0.0	21.3	48.6	66.9	72.9
102.5°	0.0	20.3	47.6	65.8	71.9
105°	0.0	19.2	46.6	63.8	69.9
107.5°	1.0	19.2	44.6	62.8	68.9
110°	1.0	18.2	42.5	61.8	67.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.0	17.2	40.5	59.8	65.8
115°	1.0	17.2	39.5	56.7	63.8
117.5°	1.0	16.2	37.5	54.7	61.8
120°	1.0	16.2	36.5	52.7	58.8
122.5°	1.0	15.2	34.4	50.6	56.7
125°	1.0	14.2	33.4	48.6	54.7
127.5°	1.0	13.2	32.4	46.6	52.7
130°	1.0	12.2	30.4	44.6	49.6
132.5°	1.0	12.2	29.4	41.5	47.6
135°	1.0	11.1	27.4	39.5	44.6
137.5°	1.0	10.1	25.3	37.5	42.5
140°	1.0	9.1	23.3	35.5	39.5
142.5°	1.0	9.1	21.3	32.4	36.5
145°	1.0	8.1	19.2	30.4	33.4
147.5°	1.0	7.1	17.2	27.4	30.4
150°	1.0	7.1	15.2	24.3	27.4
152.5°	1.0	6.1	13.2	22.3	25.3
155°	1.0	5.1	12.2	19.2	22.3
157.5°	1.0	5.1	10.1	16.2	19.2
160°	1.0	4.1	9.1	13.2	16.2
162.5°	1.0	4.1	8.1	11.1	14.2
165°	1.0	3.0	6.1	9.1	11.1
167.5°	1.0	3.0	5.1	7.1	9.1
170°	1.0	2.0	4.1	5.1	7.1
172.5°	1.0	2.0	3.0	3.0	3.0
175°	1.0	1.0	2.0	2.0	1.0
177.5°	1.0	1.0	1.0	1.0	1.0
180°	1.0	1.0	1.0	1.0	1.0

(END OF REPORT)