

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: P565523

Luminaire Tested: **2SNX-19SL-LW-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565523
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-L835-CD
Description: 2FT 1900 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

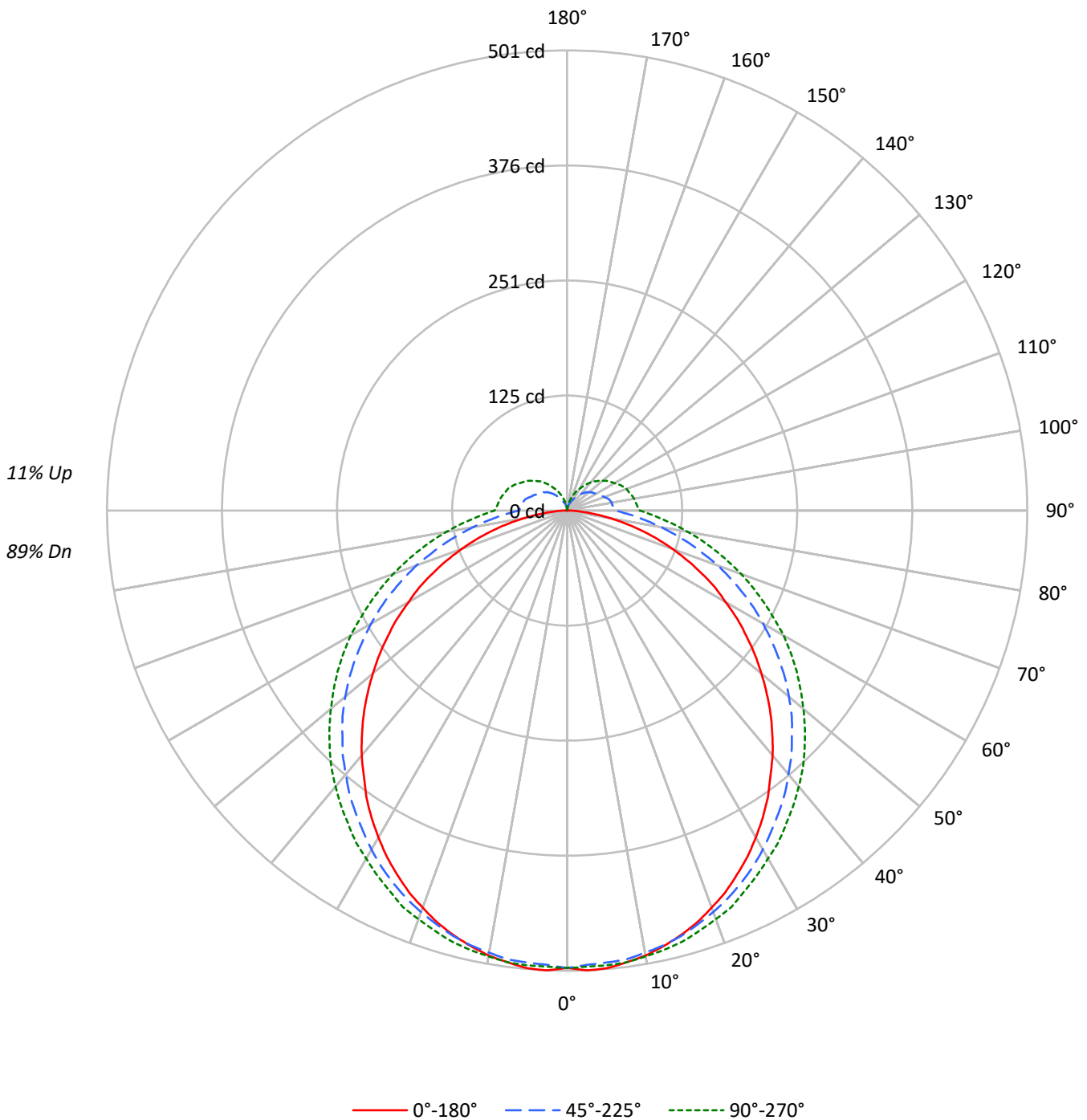
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1773.0 lumens
Efficiency: N/A
Efficacy: 147.7 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°	10721	10721	10721
5°	10729	10200	10148
10°	10597	9771	9641
15°	10432	9359	9184
20°	10228	8933	8728
25°	10003	8526	8281
30°	9743	8111	7853
35°	9461	7694	7452
40°	9143	7289	7070
45°	8802	6885	6678
50°	8415	6470	6267
55°	7989	6010	5864
60°	7495	5532	5437
65°	6966	5017	4952
70°	6259	4473	4475
75°	5342	3842	3968
80°	3974	3208	3462
85°	2340	2623	2943



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.3	2.7
10°-20°	136.0	7.7
20°-30°	206.8	11.7
30°-40°	251.0	14.2
40°-50°	265.2	15.0
50°-60°	248.2	14.0
60°-70°	203.6	11.5
70°-80°	140.1	7.9
80°-90°	76.7	4.3
90°-100°	49.4	2.8
100°-110°	44.3	2.5
110°-120°	36.7	2.1
120°-130°	28.2	1.6
130°-140°	19.8	1.1
140°-150°	12.0	0.7
150°-160°	5.7	0.3
160°-170°	1.9	0.1
170°-180°	0.2	0.0
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0°-30°	390.0	22.0
0°-40°	641.0	36.2
0°-60°	1154.4	65.1
0°-90°	1574.7	88.8
90°-120°	130.4	7.4
90°-150°	190.4	10.7
90°-180°	198.0	11.2
0°-180°	1773.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	498	498	498	498	498	
5°	500	499	494	498	497	47
15°	478	481	480	486	486	135
25°	438	443	448	457	457	202
35°	381	390	402	413	416	238
45°	313	328	346	362	366	241
55°	238	258	281	299	305	213
65°	161	183	210	230	236	160
75°	84	107	138	159	166	89
85°	18	44	75	96	103	21
90°	0	25	52	72	79	1
95°	0	24	50	69	76	0
105°	0	20	47	65	71	1
115°	1	18	40	58	65	1
125°	1	14	34	49	56	1
135°	1	11	28	40	45	1
145°	1	8	20	31	34	1
155°	1	5	12	20	23	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°	498.0	498.0	498.0	498.0	498.0
2.5°	501.1	500.1	495.0	499.1	497.0
5°	500.1	499.1	493.9	498.0	497.0
7.5°	496.0	496.0	492.9	497.0	496.0
10°	491.9	491.9	488.8	493.9	492.9
12.5°	485.7	486.7	484.7	490.9	489.8
15°	478.5	480.6	479.6	485.7	485.7
17.5°	470.3	472.4	472.4	479.6	479.6
20°	460.0	463.1	465.2	473.4	473.4
22.5°	449.8	453.9	457.0	464.2	467.2
25°	437.5	442.6	447.7	457.0	457.0
27.5°	425.1	431.3	437.5	446.7	447.7
30°	410.8	417.9	426.2	435.4	437.5
32.5°	396.4	405.6	413.8	425.1	428.2
35°	381.0	390.2	401.5	412.8	415.9
37.5°	363.5	374.8	389.2	401.5	404.6
40°	348.1	360.4	374.8	389.2	392.3
42.5°	330.7	344.0	361.5	374.8	379.9
45°	313.2	327.6	346.1	361.5	365.6
47.5°	294.7	311.1	331.7	346.1	351.2
50°	276.2	293.7	315.3	331.7	335.8
52.5°	257.7	276.2	298.8	315.3	320.4
55°	238.2	257.7	281.4	298.8	305.0
57.5°	219.8	239.3	263.9	282.4	288.6
60°	199.2	221.8	246.5	264.9	272.1
62.5°	181.8	202.3	229.0	247.5	253.6
65°	161.2	182.8	210.5	230.0	236.2
67.5°	141.7	164.3	192.0	212.6	218.7
70°	122.2	144.8	174.6	194.1	201.3
72.5°	102.7	126.3	155.1	176.6	183.8
75°	84.2	106.8	137.6	159.2	166.4
77.5°	64.7	89.3	120.1	141.7	149.9
80°	47.2	72.9	103.7	125.3	133.5
82.5°	31.8	57.5	88.3	109.9	118.1
85°	18.5	44.2	75.0	95.5	102.7
87.5°	9.2	33.9	62.6	83.2	90.4
90°	0.0	24.6	52.4	71.9	79.1
92.5°	0.0	23.6	51.3	69.8	77.0
95°	0.0	23.6	50.3	68.8	76.0
97.5°	0.0	22.6	49.3	68.8	75.0
100°	0.0	21.6	49.3	67.8	73.9
102.5°	0.0	20.5	48.3	66.7	72.9
105°	0.0	19.5	47.2	64.7	70.9
107.5°	1.0	19.5	45.2	63.7	69.8
110°	1.0	18.5	43.1	62.6	68.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.0	17.5	41.1	60.6	66.7
115°	1.0	17.5	40.0	57.5	64.7
117.5°	1.0	16.4	38.0	55.5	62.6
120°	1.0	16.4	37.0	53.4	59.6
122.5°	1.0	15.4	34.9	51.3	57.5
125°	1.0	14.4	33.9	49.3	55.5
127.5°	1.0	13.3	32.9	47.2	53.4
130°	1.0	12.3	30.8	45.2	50.3
132.5°	1.0	12.3	29.8	42.1	48.3
135°	1.0	11.3	27.7	40.0	45.2
137.5°	1.0	10.3	25.7	38.0	43.1
140°	1.0	9.2	23.6	35.9	40.0
142.5°	1.0	9.2	21.6	32.9	37.0
145°	1.0	8.2	19.5	30.8	33.9
147.5°	1.0	7.2	17.5	27.7	30.8
150°	1.0	7.2	15.4	24.6	27.7
152.5°	1.0	6.2	13.3	22.6	25.7
155°	1.0	5.1	12.3	19.5	22.6
157.5°	1.0	5.1	10.3	16.4	19.5
160°	1.0	4.1	9.2	13.3	16.4
162.5°	1.0	4.1	8.2	11.3	14.4
165°	1.0	3.1	6.2	9.2	11.3
167.5°	1.0	3.1	5.1	7.2	9.2
170°	1.0	2.1	4.1	5.1	7.2
172.5°	1.0	2.1	3.1	3.1	3.1
175°	1.0	1.0	2.1	2.1	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)