

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: P565531

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565531
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-L835-CD
Description: 2FT 1900 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

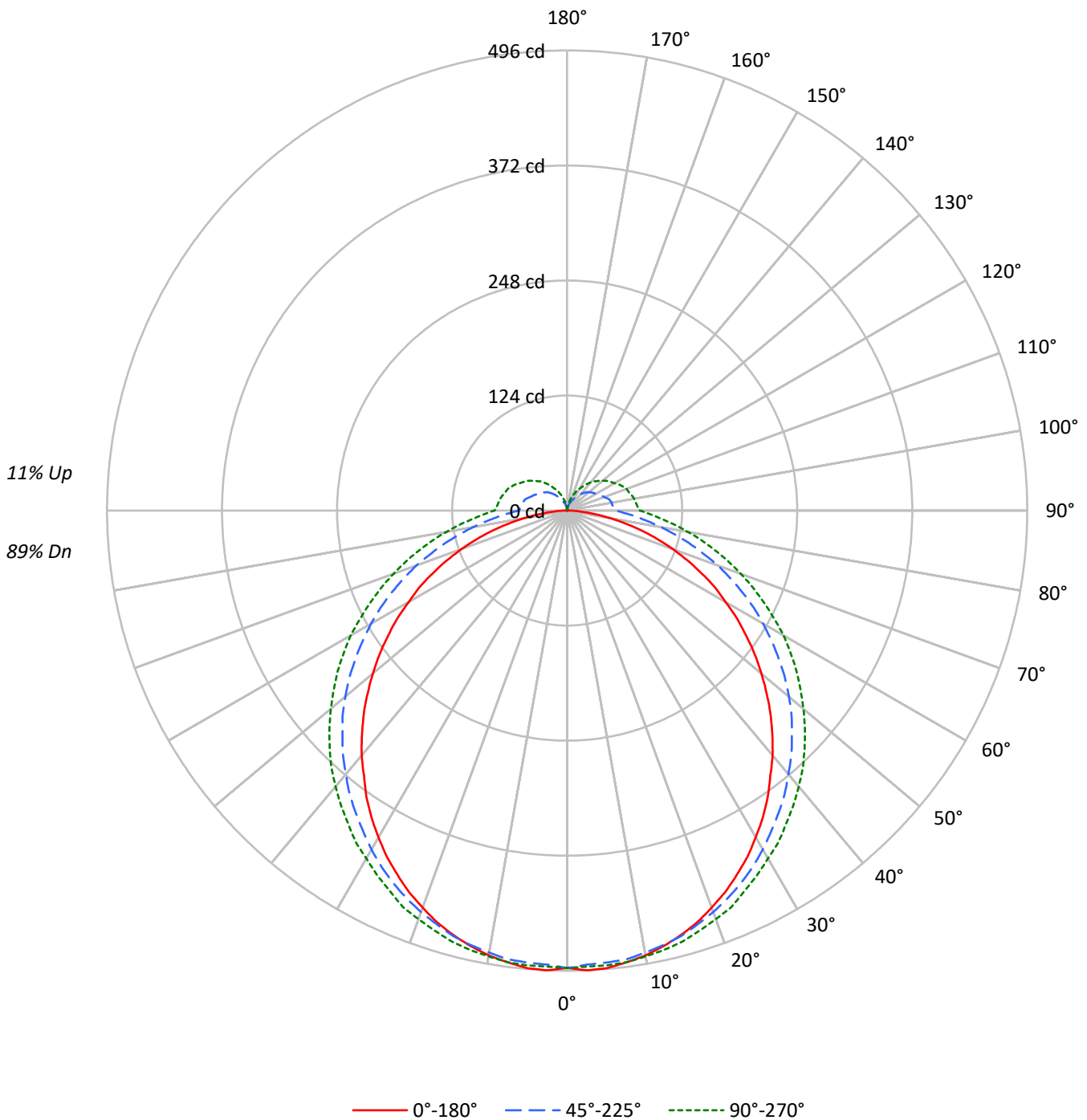
Lumens per Lamp: N/A
Luminaire Lumens: 1755.0 lumens
Efficiency: N/A
Efficacy: 146.2 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.08')
CIE Type: Semi-Direct

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	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°	10613	10613	10613
5°	10658	10327	10332
10°	10566	10105	10076
15°	10441	9881	9840
20°	10278	9625	9578
25°	10090	9373	9303
30°	9871	9098	9032
35°	9631	8814	8779
40°	9358	8535	8535
45°	9062	8249	8272
50°	8725	7950	7977
55°	8355	7590	7687
60°	7921	7208	7364
65°	7465	6777	6957
70°	6837	6303	6557
75°	5999	5705	6118
80°	4697	5097	5681
85°	3066	4561	5234



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.8	2.7
10°-20°	134.6	7.7
20°-30°	204.6	11.7
30°-40°	248.4	14.2
40°-50°	262.5	15.0
50°-60°	245.6	14.0
60°-70°	201.6	11.5
70°-80°	138.6	7.9
80°-90°	75.9	4.3
90°-100°	48.9	2.8
100°-110°	43.9	2.5
110°-120°	36.3	2.1
120°-130°	28.0	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°	386.1	22.0
0°-40°	634.5	36.2
0°-60°	1142.6	65.1
0°-90°	1558.7	88.8
90°-120°	129.1	7.4
90°-150°	188.5	10.7
90°-180°	196.0	11.2
0°-180°	1755.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	493	493	493	493	493	
5°	495	494	489	493	492	47
15°	474	476	475	481	481	134
25°	433	438	443	452	452	200
35°	377	386	397	409	412	236
45°	310	324	342	358	362	239
55°	236	255	278	296	302	211
65°	160	181	208	228	234	158
75°	83	106	136	158	165	88
85°	18	44	74	94	102	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	34	49	55	1
135°	1	11	27	40	45	1
145°	1	8	19	30	34	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°	493.0	493.0	493.0	493.0	493.0
2.5°	496.0	495.0	489.9	494.0	492.0
5°	495.0	494.0	488.9	493.0	492.0
7.5°	491.0	491.0	487.9	492.0	491.0
10°	486.9	486.9	483.8	488.9	487.9
12.5°	480.8	481.8	479.8	485.9	484.9
15°	473.7	475.7	474.7	480.8	480.8
17.5°	465.5	467.6	467.6	474.7	474.7
20°	455.4	458.4	460.5	468.6	468.6
22.5°	445.2	449.3	452.3	459.4	462.5
25°	433.0	438.1	443.2	452.3	452.3
27.5°	420.8	426.9	433.0	442.2	443.2
30°	406.6	413.7	421.8	431.0	433.0
32.5°	392.4	401.5	409.6	420.8	423.9
35°	377.1	386.3	397.4	408.6	411.7
37.5°	359.8	371.0	385.2	397.4	400.5
40°	344.6	356.8	371.0	385.2	388.3
42.5°	327.3	340.5	357.8	371.0	376.1
45°	310.0	324.3	342.5	357.8	361.9
47.5°	291.7	308.0	328.3	342.5	347.6
50°	273.4	290.7	312.1	328.3	332.4
52.5°	255.1	273.4	295.8	312.1	317.1
55°	235.8	255.1	278.5	295.8	301.9
57.5°	217.5	236.8	261.2	279.5	285.6
60°	197.2	219.6	244.0	262.2	269.4
62.5°	179.9	200.2	226.7	245.0	251.1
65°	159.6	180.9	208.4	227.7	233.8
67.5°	140.3	162.6	190.1	210.4	216.5
70°	121.0	143.3	172.8	192.1	199.2
72.5°	101.6	125.0	153.5	174.8	181.9
75°	83.3	105.7	136.2	157.6	164.7
77.5°	64.0	88.4	118.9	140.3	148.4
80°	46.8	72.2	102.7	124.0	132.1
82.5°	31.5	56.9	87.4	108.8	116.9
85°	18.3	43.7	74.2	94.5	101.6
87.5°	9.1	33.5	62.0	82.3	89.4
90°	0.0	24.4	51.8	71.2	78.3
92.5°	0.0	23.4	50.8	69.1	76.2
95°	0.0	23.4	49.8	68.1	75.2
97.5°	0.0	22.4	48.8	68.1	74.2
100°	0.0	21.3	48.8	67.1	73.2
102.5°	0.0	20.3	47.8	66.1	72.2
105°	0.0	19.3	46.8	64.0	70.1
107.5°	1.0	19.3	44.7	63.0	69.1
110°	1.0	18.3	42.7	62.0	68.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.0	17.3	40.7	60.0	66.1
115°	1.0	17.3	39.6	56.9	64.0
117.5°	1.0	16.3	37.6	54.9	62.0
120°	1.0	16.3	36.6	52.9	59.0
122.5°	1.0	15.2	34.6	50.8	56.9
125°	1.0	14.2	33.5	48.8	54.9
127.5°	1.0	13.2	32.5	46.8	52.9
130°	1.0	12.2	30.5	44.7	49.8
132.5°	1.0	12.2	29.5	41.7	47.8
135°	1.0	11.2	27.4	39.6	44.7
137.5°	1.0	10.2	25.4	37.6	42.7
140°	1.0	9.1	23.4	35.6	39.6
142.5°	1.0	9.1	21.3	32.5	36.6
145°	1.0	8.1	19.3	30.5	33.5
147.5°	1.0	7.1	17.3	27.4	30.5
150°	1.0	7.1	15.2	24.4	27.4
152.5°	1.0	6.1	13.2	22.4	25.4
155°	1.0	5.1	12.2	19.3	22.4
157.5°	1.0	5.1	10.2	16.3	19.3
160°	1.0	4.1	9.1	13.2	16.3
162.5°	1.0	4.1	8.1	11.2	14.2
165°	1.0	3.0	6.1	9.1	11.2
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)