

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: P565527

Luminaire Tested: **2SNX-19SL-LW-UNV-L935-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P565527  
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-L935-CD  
Description: 2FT 1900 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LW LENS  
Light Source: -  
Ballast/Driver: -

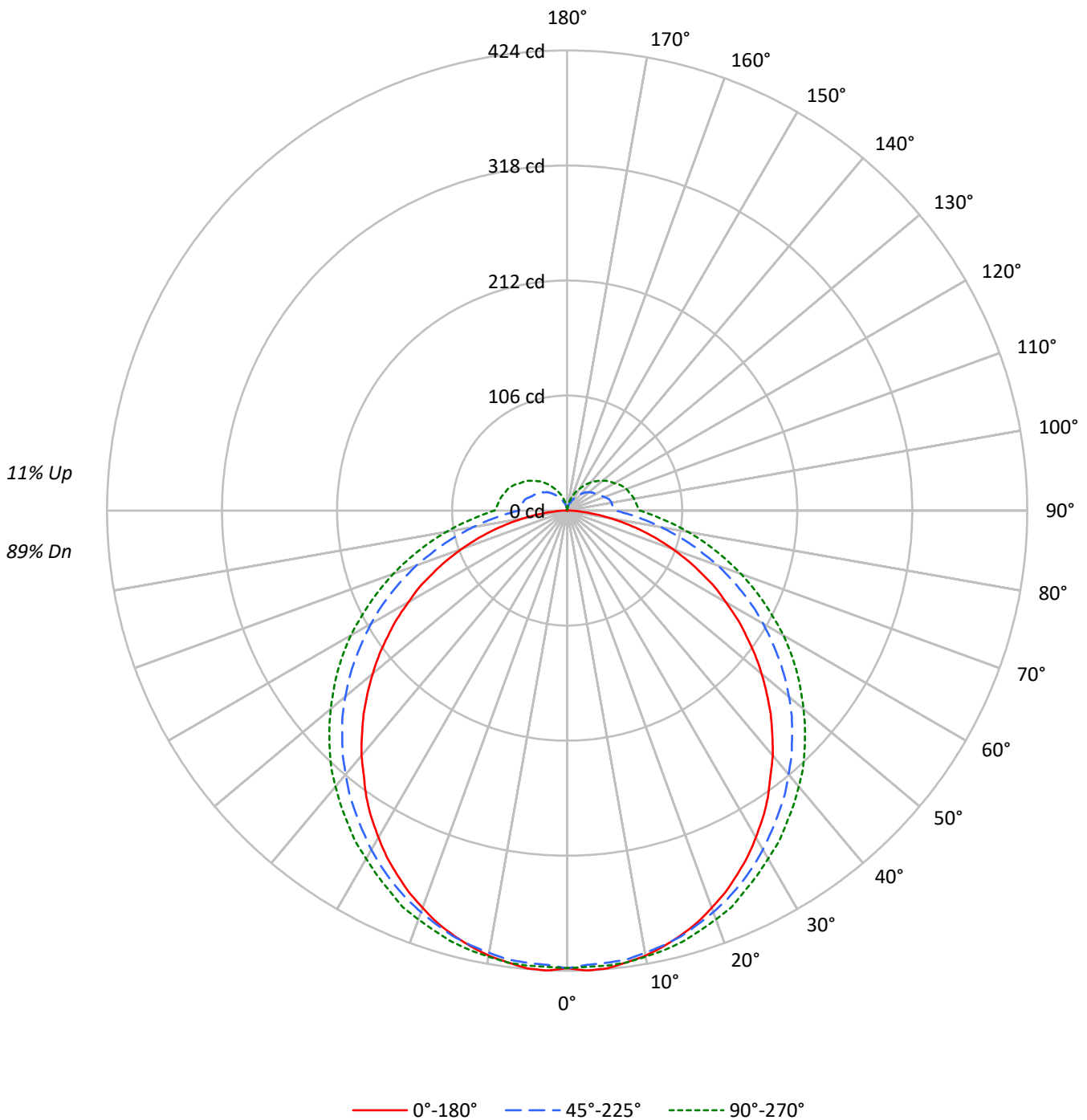
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1501.0 lumens  
Efficiency: N/A  
Efficacy: 125.1 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: 0.17')  
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	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°	9076	9076	9076
5°	9083	8637	8592
10°	8971	8272	8163
15°	8831	7923	7776
20°	8661	7562	7389
25°	8467	7218	7011
30°	8246	6866	6647
35°	8008	6514	6309
40°	7741	6171	5985
45°	7453	5829	5654
50°	7126	5477	5306
55°	6765	5087	4964
60°	6347	4681	4604
65°	5899	4247	4193
70°	5301	3786	3788
75°	4524	3253	3358
80°	3367	2716	2930
85°	1973	2221	2490



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	40.0	2.7
10°-20°	115.1	7.7
20°-30°	175.0	11.7
30°-40°	212.5	14.2
40°-50°	224.5	15.0
50°-60°	210.1	14.0
60°-70°	172.4	11.5
70°-80°	118.6	7.9
80°-90°	64.9	4.3
90°-100°	41.8	2.8
100°-110°	37.5	2.5
110°-120°	31.1	2.1
120°-130°	23.9	1.6
130°-140°	16.8	1.1
140°-150°	10.1	0.7
150°-160°	4.8	0.3
160°-170°	1.6	0.1
170°-180°	0.2	0.0
0°-30°	330.2	22.0
0°-40°	542.7	36.2
0°-60°	977.3	65.1
0°-90°	1333.1	88.8
90°-120°	110.4	7.4
90°-150°	161.2	10.7
90°-180°	168.0	11.2
0°-180°	1501.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	422	422	422	422	422	
5°	423	422	418	422	421	40
15°	405	407	406	411	411	114
25°	370	375	379	387	387	171
35°	322	330	340	350	352	201
45°	265	277	293	306	310	204
55°	202	218	238	253	258	180
65°	136	155	178	195	200	135
75°	71	90	116	135	141	75
85°	16	37	64	81	87	18
90°	0	21	44	61	67	1
95°	0	20	43	58	64	0
105°	0	16	40	55	60	1
115°	1	15	34	49	55	1
125°	1	12	29	42	47	1
135°	1	10	24	34	38	1
145°	1	7	16	26	29	1
155°	1	4	10	16	19	0
165°	1	3	5	8	10	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°	421.6	421.6	421.6	421.6	421.6
2.5°	424.2	423.4	419.0	422.5	420.8
5°	423.4	422.5	418.2	421.6	420.8
7.5°	419.9	419.9	417.3	420.8	419.9
10°	416.4	416.4	413.8	418.2	417.3
12.5°	411.2	412.1	410.3	415.5	414.7
15°	405.1	406.9	406.0	411.2	411.2
17.5°	398.2	399.9	399.9	406.0	406.0
20°	389.5	392.1	393.8	400.8	400.8
22.5°	380.8	384.3	386.9	392.9	395.6
25°	370.3	374.7	379.0	386.9	386.9
27.5°	359.9	365.1	370.3	378.2	379.0
30°	347.7	353.8	360.8	368.6	370.3
32.5°	335.6	343.4	350.3	359.9	362.5
35°	322.5	330.4	339.9	349.5	352.1
37.5°	307.7	317.3	329.5	339.9	342.5
40°	294.7	305.1	317.3	329.5	332.1
42.5°	279.9	291.2	306.0	317.3	321.7
45°	265.2	277.3	293.0	306.0	309.5
47.5°	249.5	263.4	280.8	293.0	297.3
50°	233.9	248.6	266.9	280.8	284.3
52.5°	218.2	233.9	253.0	266.9	271.2
55°	201.7	218.2	238.2	253.0	258.2
57.5°	186.0	202.6	223.4	239.1	244.3
60°	168.7	187.8	208.6	224.3	230.4
62.5°	153.9	171.3	193.9	209.5	214.7
65°	136.5	154.7	178.2	194.7	200.0
67.5°	120.0	139.1	162.6	180.0	185.2
70°	103.5	122.6	147.8	164.3	170.4
72.5°	86.9	106.9	131.3	149.5	155.6
75°	71.3	90.4	116.5	134.7	140.8
77.5°	54.8	75.6	101.7	120.0	126.9
80°	40.0	61.7	87.8	106.1	113.0
82.5°	26.9	48.7	74.8	93.0	100.0
85°	15.6	37.4	63.5	80.8	86.9
87.5°	7.8	28.7	53.0	70.4	76.5
90°	0.0	20.9	44.3	60.9	66.9
92.5°	0.0	20.0	43.5	59.1	65.2
95°	0.0	20.0	42.6	58.2	64.3
97.5°	0.0	19.1	41.7	58.2	63.5
100°	0.0	18.3	41.7	57.4	62.6
102.5°	0.0	17.4	40.9	56.5	61.7
105°	0.0	16.5	40.0	54.8	60.0
107.5°	0.9	16.5	38.3	53.9	59.1
110°	0.9	15.6	36.5	53.0	58.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.9	14.8	34.8	51.3	56.5
115°	0.9	14.8	33.9	48.7	54.8
117.5°	0.9	13.9	32.2	46.9	53.0
120°	0.9	13.9	31.3	45.2	50.4
122.5°	0.9	13.0	29.6	43.5	48.7
125°	0.9	12.2	28.7	41.7	46.9
127.5°	0.9	11.3	27.8	40.0	45.2
130°	0.9	10.4	26.1	38.3	42.6
132.5°	0.9	10.4	25.2	35.6	40.9
135°	0.9	9.6	23.5	33.9	38.3
137.5°	0.9	8.7	21.7	32.2	36.5
140°	0.9	7.8	20.0	30.4	33.9
142.5°	0.9	7.8	18.3	27.8	31.3
145°	0.9	7.0	16.5	26.1	28.7
147.5°	0.9	6.1	14.8	23.5	26.1
150°	0.9	6.1	13.0	20.9	23.5
152.5°	0.9	5.2	11.3	19.1	21.7
155°	0.9	4.3	10.4	16.5	19.1
157.5°	0.9	4.3	8.7	13.9	16.5
160°	0.9	3.5	7.8	11.3	13.9
162.5°	0.9	3.5	7.0	9.6	12.2
165°	0.9	2.6	5.2	7.8	9.6
167.5°	0.9	2.6	4.3	6.1	7.8
170°	0.9	1.7	3.5	4.3	6.1
172.5°	0.9	1.7	2.6	2.6	2.6
175°	0.9	0.9	1.7	1.7	0.9
177.5°	0.9	0.9	0.9	0.9	0.9
180°	0.9	0.9	0.9	0.9	0.9

(END OF REPORT)