

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: P565537

Luminaire Tested: **2SNX-19SL-SLW-UNV-L950-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P565537  
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-L950-CD  
Description: 2FT 1900 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND SLW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

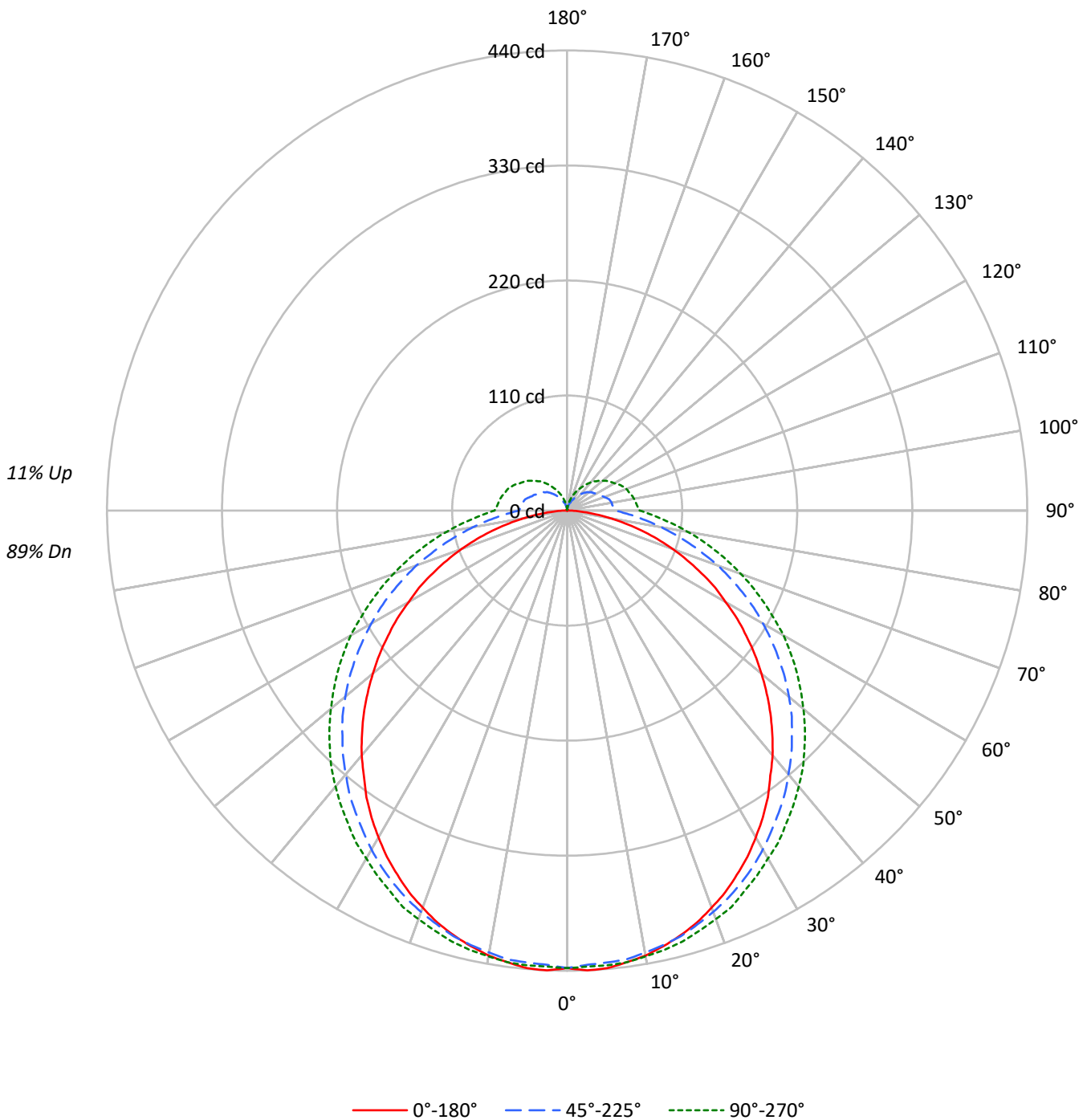
Lumens per Lamp: N/A  
Luminaire Lumens: 1557.0 lumens  
Efficiency: N/A  
Efficacy: 129.7 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.08')  
CIE Type: Semi-Direct

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	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°	9416	9416	9416
5°	9457	9163	9167
10°	9375	8965	8940
15°	9262	8765	8729
20°	9118	8538	8497
25°	8953	8316	8254
30°	8757	8071	8014
35°	8545	7820	7787
40°	8302	7573	7572
45°	8039	7319	7337
50°	7742	7051	7077
55°	7413	6734	6818
60°	7025	6393	6533
65°	6624	6013	6171
70°	6063	5592	5816
75°	5322	5060	5427
80°	4165	4522	5040
85°	2714	4044	4647



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	41.5	2.7
10°-20°	119.4	7.7
20°-30°	181.6	11.7
30°-40°	220.4	14.2
40°-50°	232.9	15.0
50°-60°	217.9	14.0
60°-70°	178.8	11.5
70°-80°	123.0	7.9
80°-90°	67.4	4.3
90°-100°	43.4	2.8
100°-110°	38.9	2.5
110°-120°	32.2	2.1
120°-130°	24.8	1.6
130°-140°	17.4	1.1
140°-150°	10.5	0.7
150°-160°	5.0	0.3
160°-170°	1.6	0.1
170°-180°	0.2	0.0
0°-30°	342.5	22.0
0°-40°	562.9	36.2
0°-60°	1013.7	65.1
0°-90°	1382.9	88.8
90°-120°	114.5	7.4
90°-150°	167.2	10.7
90°-180°	174.0	11.2
0°-180°	1557.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	437	437	437	437	437	
5°	439	438	434	437	436	42
15°	420	422	421	426	426	118
25°	384	389	393	401	401	177
35°	335	343	353	362	365	209
45°	275	288	304	317	321	212
55°	209	226	247	262	268	187
65°	142	160	185	202	207	140
75°	74	94	121	140	146	78
85°	16	39	66	84	90	19
90°	0	22	46	63	69	1
95°	0	21	44	60	67	0
105°	0	17	42	57	62	1
115°	1	15	35	50	57	1
125°	1	13	30	43	49	1
135°	1	10	24	35	40	1
145°	1	7	17	27	30	1
155°	1	4	11	17	20	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°	437.4	437.4	437.4	437.4	437.4
2.5°	440.1	439.2	434.7	438.3	436.5
5°	439.2	438.3	433.8	437.4	436.5
7.5°	435.6	435.6	432.9	436.5	435.6
10°	432.0	432.0	429.2	433.8	432.9
12.5°	426.5	427.4	425.6	431.1	430.2
15°	420.2	422.0	421.1	426.5	426.5
17.5°	413.0	414.8	414.8	421.1	421.1
20°	404.0	406.7	408.5	415.7	415.7
22.5°	395.0	398.6	401.3	407.6	410.3
25°	384.2	388.7	393.2	401.3	401.3
27.5°	373.3	378.7	384.2	392.3	393.2
30°	360.7	367.0	374.2	382.4	384.2
32.5°	348.1	356.2	363.4	373.3	376.0
35°	334.6	342.7	352.6	362.5	365.2
37.5°	319.2	329.2	341.8	352.6	355.3
40°	305.7	316.5	329.2	341.8	344.5
42.5°	290.4	302.1	317.4	329.2	333.7
45°	275.0	287.7	303.9	317.4	321.0
47.5°	258.8	273.2	291.3	303.9	308.4
50°	242.6	257.9	276.8	291.3	294.9
52.5°	226.3	242.6	262.4	276.8	281.4
55°	209.2	226.3	247.1	262.4	267.8
57.5°	193.0	210.1	231.8	248.0	253.4
60°	174.9	194.8	216.4	232.7	239.0
62.5°	159.6	177.7	201.1	217.3	222.7
65°	141.6	160.5	184.9	202.0	207.4
67.5°	124.4	144.3	168.6	186.7	192.1
70°	107.3	127.2	153.3	170.4	176.7
72.5°	90.2	110.9	136.2	155.1	161.4
75°	73.9	93.8	120.8	139.8	146.1
77.5°	56.8	78.5	105.5	124.4	131.7
80°	41.5	64.0	91.1	110.0	117.2
82.5°	28.0	50.5	77.6	96.5	103.7
85°	16.2	38.8	65.8	83.9	90.2
87.5°	8.1	29.8	55.0	73.0	79.4
90°	0.0	21.6	46.0	63.1	69.4
92.5°	0.0	20.7	45.1	61.3	67.6
95°	0.0	20.7	44.2	60.4	66.7
97.5°	0.0	19.8	43.3	60.4	65.8
100°	0.0	18.9	43.3	59.5	64.9
102.5°	0.0	18.0	42.4	58.6	64.0
105°	0.0	17.1	41.5	56.8	62.2
107.5°	0.9	17.1	39.7	55.9	61.3
110°	0.9	16.2	37.9	55.0	60.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.9	15.3	36.1	53.2	58.6
115°	0.9	15.3	35.2	50.5	56.8
117.5°	0.9	14.4	33.4	48.7	55.0
120°	0.9	14.4	32.5	46.9	52.3
122.5°	0.9	13.5	30.7	45.1	50.5
125°	0.9	12.6	29.8	43.3	48.7
127.5°	0.9	11.7	28.9	41.5	46.9
130°	0.9	10.8	27.1	39.7	44.2
132.5°	0.9	10.8	26.2	37.0	42.4
135°	0.9	9.9	24.3	35.2	39.7
137.5°	0.9	9.0	22.5	33.4	37.9
140°	0.9	8.1	20.7	31.6	35.2
142.5°	0.9	8.1	18.9	28.9	32.5
145°	0.9	7.2	17.1	27.1	29.8
147.5°	0.9	6.3	15.3	24.3	27.1
150°	0.9	6.3	13.5	21.6	24.3
152.5°	0.9	5.4	11.7	19.8	22.5
155°	0.9	4.5	10.8	17.1	19.8
157.5°	0.9	4.5	9.0	14.4	17.1
160°	0.9	3.6	8.1	11.7	14.4
162.5°	0.9	3.6	7.2	9.9	12.6
165°	0.9	2.7	5.4	8.1	9.9
167.5°	0.9	2.7	4.5	6.3	8.1
170°	0.9	1.8	3.6	4.5	6.3
172.5°	0.9	1.8	2.7	2.7	2.7
175°	0.9	0.9	1.8	1.8	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)