

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: P566117

Luminaire Tested: **4SNX-20SL-LW-UNV-L950-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566117  
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: 4SNX-20SL-LW-UNV-L950-CD  
Description: 4FT 2000 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LW LENS  
Light Source: -  
Ballast/Driver: -

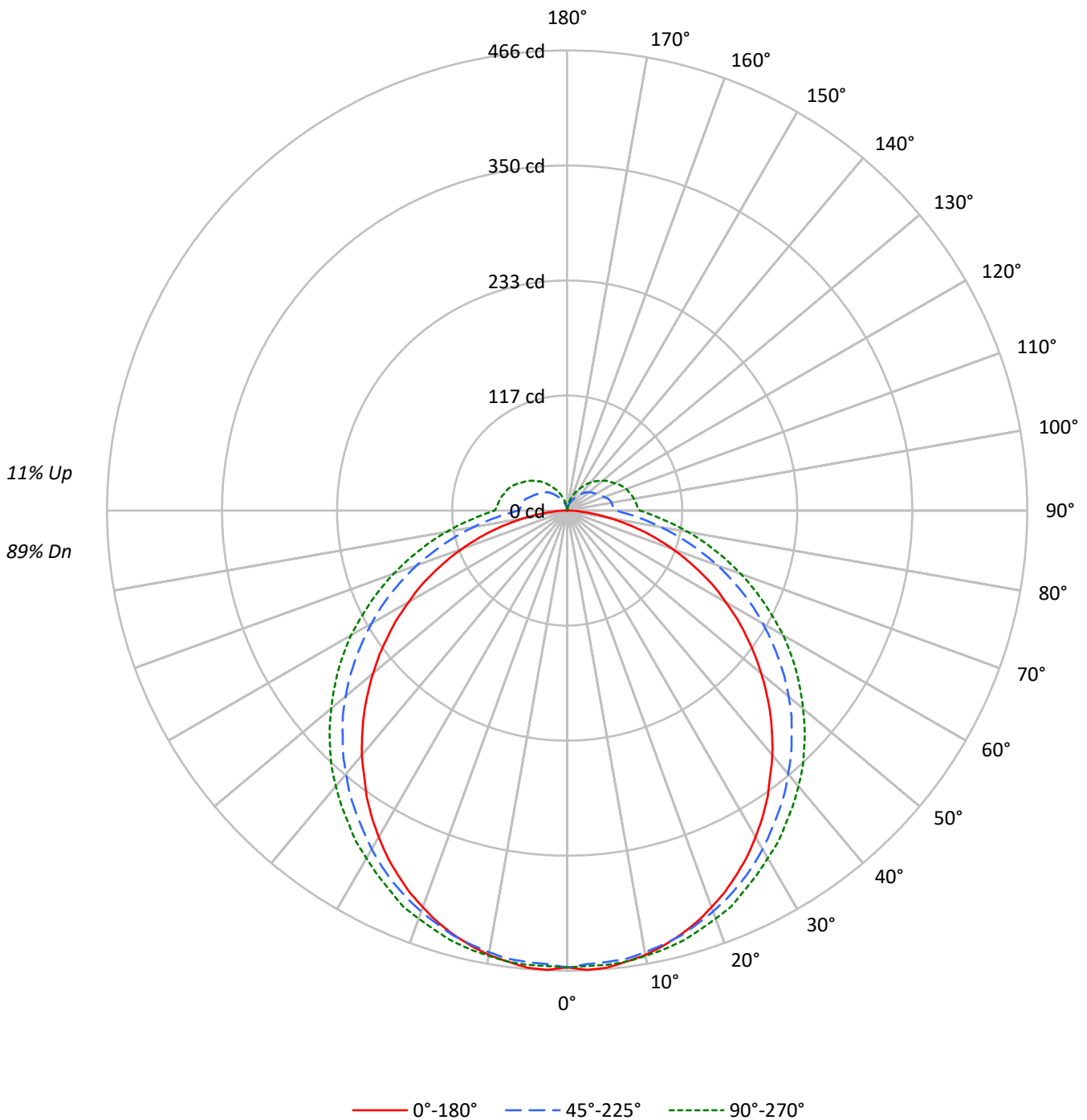
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1647.0 lumens  
Efficiency: N/A  
Efficacy: 136.1 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')  
CIE Type: Semi-Direct

Input Watts (W): 12.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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°	4979	4979	4979
5°	5002	4749	4714
10°	4957	4561	4478
15°	4899	4377	4266
20°	4823	4186	4054
25°	4735	4004	3846
30°	4632	3817	3647
35°	4519	3629	3461
40°	4391	3445	3283
45°	4251	3261	3102
50°	4094	3071	2911
55°	3920	2860	2723
60°	3717	2639	2526
65°	3502	2402	2300
70°	3205	2148	2078
75°	2815	1852	1842
80°	2201	1554	1608
85°	1439	1278	1367



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	43.9	2.7
10°-20°	126.3	7.7
20°-30°	192.1	11.7
30°-40°	233.1	14.2
40°-50°	246.4	15.0
50°-60°	230.5	14.0
60°-70°	189.2	11.5
70°-80°	130.1	7.9
80°-90°	71.2	4.3
90°-100°	45.9	2.8
100°-110°	41.2	2.5
110°-120°	34.1	2.1
120°-130°	26.2	1.6
130°-140°	18.4	1.1
140°-150°	11.1	0.7
150°-160°	5.3	0.3
160°-170°	1.8	0.1
170°-180°	0.2	0.0
0°-30°	362.3	22.0
0°-40°	595.4	36.2
0°-60°	1072.3	65.1
0°-90°	1462.8	88.8
90°-120°	121.1	7.4
90°-150°	176.9	10.7
90°-180°	184.0	11.2
0°-180°	1647.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	463	463	463	463	463	
5°	465	464	459	463	462	44
15°	444	446	446	451	451	125
25°	406	411	416	424	424	187
35°	354	362	373	384	386	221
45°	291	304	322	336	340	224
55°	221	239	261	278	283	198
65°	150	170	196	214	219	148
75°	78	99	128	148	154	82
85°	17	41	70	89	95	20
90°	0	23	49	67	74	1
95°	0	22	47	64	71	0
105°	0	18	44	60	66	1
115°	1	16	37	53	60	1
125°	1	13	32	46	52	1
135°	1	10	26	37	42	1
145°	1	8	18	29	32	1
155°	1	5	11	18	21	0
165°	1	3	6	9	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°	462.6	462.6	462.6	462.6	462.6
2.5°	465.5	464.6	459.8	463.6	461.7
5°	464.6	463.6	458.8	462.6	461.7
7.5°	460.7	460.7	457.9	461.7	460.7
10°	456.9	456.9	454.1	458.8	457.9
12.5°	451.2	452.2	450.2	456.0	455.0
15°	444.5	446.4	445.5	451.2	451.2
17.5°	436.9	438.8	438.8	445.5	445.5
20°	427.4	430.2	432.1	439.8	439.8
22.5°	417.8	421.6	424.5	431.2	434.0
25°	406.4	411.1	415.9	424.5	424.5
27.5°	394.9	400.6	406.4	415.0	415.9
30°	381.6	388.2	395.9	404.5	406.4
32.5°	368.2	376.8	384.4	394.9	397.8
35°	353.9	362.5	373.0	383.5	386.3
37.5°	337.7	348.2	361.5	373.0	375.8
40°	323.4	334.8	348.2	361.5	364.4
42.5°	307.2	319.6	335.8	348.2	352.9
45°	290.9	304.3	321.5	335.8	339.6
47.5°	273.8	289.0	308.1	321.5	326.2
50°	256.6	272.8	292.9	308.1	311.9
52.5°	239.4	256.6	277.6	292.9	297.6
55°	221.3	239.4	261.4	277.6	283.3
57.5°	204.1	222.3	245.2	262.3	268.0
60°	185.1	206.0	228.9	246.1	252.8
62.5°	168.8	187.9	212.7	229.9	235.6
65°	149.8	169.8	195.6	213.7	219.4
67.5°	131.6	152.6	178.4	197.5	203.2
70°	113.5	134.5	162.2	180.3	187.0
72.5°	95.4	117.3	144.0	164.1	170.7
75°	78.2	99.2	127.8	147.9	154.5
77.5°	60.1	83.0	111.6	131.6	139.3
80°	43.9	67.7	96.3	116.4	124.0
82.5°	29.6	53.4	82.0	102.1	109.7
85°	17.2	41.0	69.6	88.7	95.4
87.5°	8.6	31.5	58.2	77.3	83.9
90°	0.0	22.9	48.6	66.8	73.5
92.5°	0.0	21.9	47.7	64.9	71.5
95°	0.0	21.9	46.7	63.9	70.6
97.5°	0.0	21.0	45.8	63.9	69.6
100°	0.0	20.0	45.8	63.0	68.7
102.5°	0.0	19.1	44.8	62.0	67.7
105°	0.0	18.1	43.9	60.1	65.8
107.5°	1.0	18.1	42.0	59.1	64.9
110°	1.0	17.2	40.1	58.2	63.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.0	16.2	38.2	56.3	62.0
115°	1.0	16.2	37.2	53.4	60.1
117.5°	1.0	15.3	35.3	51.5	58.2
120°	1.0	15.3	34.3	49.6	55.3
122.5°	1.0	14.3	32.4	47.7	53.4
125°	1.0	13.4	31.5	45.8	51.5
127.5°	1.0	12.4	30.5	43.9	49.6
130°	1.0	11.4	28.6	42.0	46.7
132.5°	1.0	11.4	27.7	39.1	44.8
135°	1.0	10.5	25.8	37.2	42.0
137.5°	1.0	9.5	23.8	35.3	40.1
140°	1.0	8.6	21.9	33.4	37.2
142.5°	1.0	8.6	20.0	30.5	34.3
145°	1.0	7.6	18.1	28.6	31.5
147.5°	1.0	6.7	16.2	25.8	28.6
150°	1.0	6.7	14.3	22.9	25.8
152.5°	1.0	5.7	12.4	21.0	23.8
155°	1.0	4.8	11.4	18.1	21.0
157.5°	1.0	4.8	9.5	15.3	18.1
160°	1.0	3.8	8.6	12.4	15.3
162.5°	1.0	3.8	7.6	10.5	13.4
165°	1.0	2.9	5.7	8.6	10.5
167.5°	1.0	2.9	4.8	6.7	8.6
170°	1.0	1.9	3.8	4.8	6.7
172.5°	1.0	1.9	2.9	2.9	2.9
175°	1.0	1.0	1.9	1.9	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)