

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: P566118

Luminaire Tested: **4SNX-20SL-SLW-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566118
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-SLW-UNV-L830-CD
Description: 4FT 2000 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

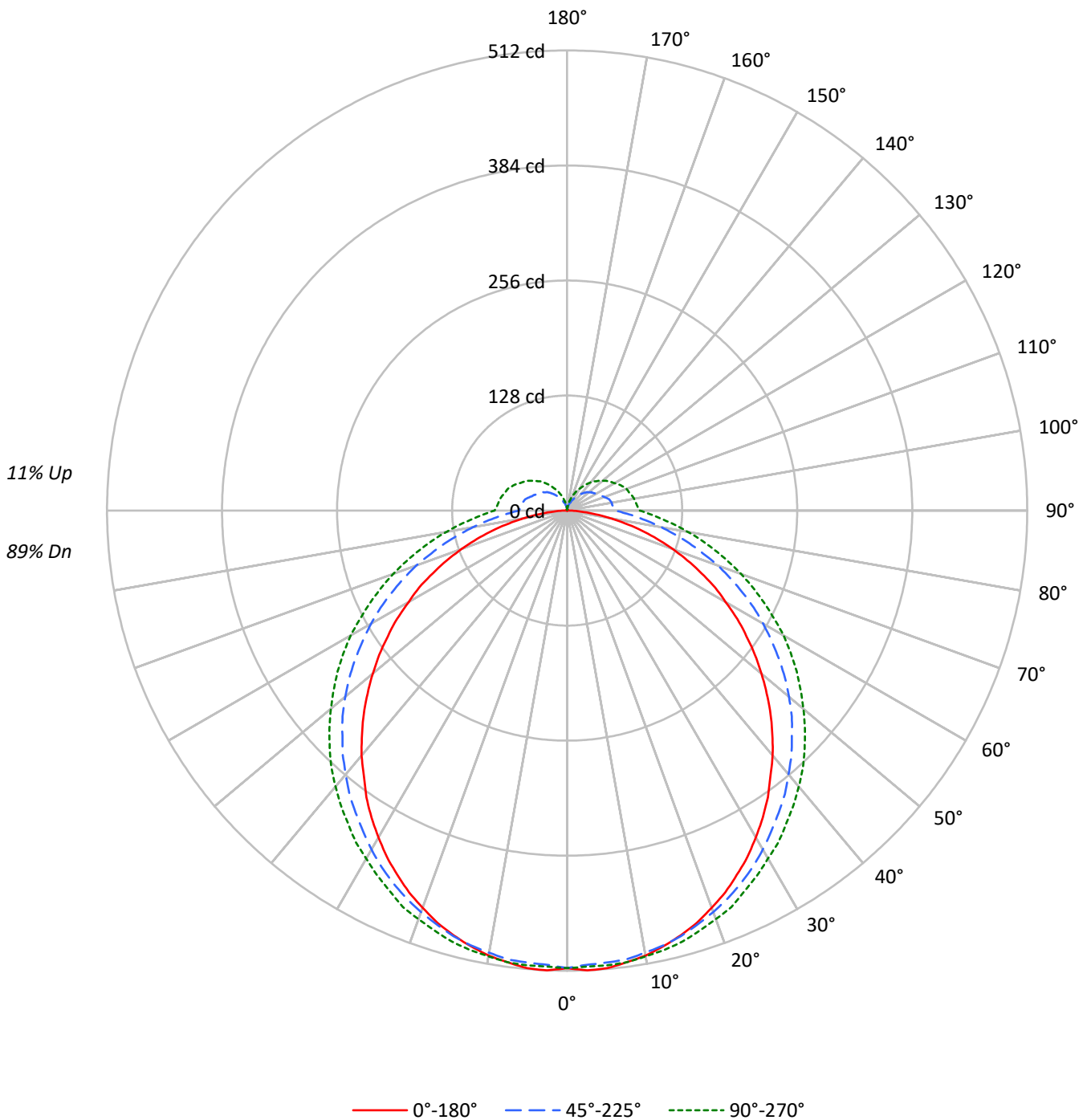
Lumens per Lamp: N/A
Luminaire Lumens: 1811.9 lumens
Efficiency: N/A
Efficacy: 149.7 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 12.1
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°	5479	5479	5479
5°	5512	5338	5333
10°	5474	5230	5201
15°	5420	5119	5080
20°	5346	4992	4944
25°	5259	4868	4803
30°	5156	4731	4663
35°	5044	4590	4531
40°	4914	4451	4406
45°	4774	4309	4270
50°	4613	4159	4118
55°	4438	3980	3968
60°	4231	3787	3801
65°	4019	3569	3591
70°	3719	3331	3386
75°	3323	3028	3158
80°	2679	2721	2933
85°	1887	2457	2702



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.3	2.7
10°-20°	139.0	7.7
20°-30°	211.3	11.7
30°-40°	256.5	14.2
40°-50°	271.0	15.0
50°-60°	253.6	14.0
60°-70°	208.1	11.5
70°-80°	143.1	7.9
80°-90°	78.4	4.3
90°-100°	50.5	2.8
100°-110°	45.3	2.5
110°-120°	37.5	2.1
120°-130°	28.9	1.6
130°-140°	20.3	1.1
140°-150°	12.2	0.7
150°-160°	5.8	0.3
160°-170°	1.9	0.1
170°-180°	0.2	0.0
0°-30°	398.6	22.0
0°-40°	655.1	36.2
0°-60°	1179.8	65.1
0°-90°	1609.4	88.8
90°-120°	133.2	7.4
90°-150°	194.6	10.7
90°-180°	203.0	11.2
0°-180°	1811.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	509	509	509	509	509	
5°	511	510	505	509	508	48
15°	489	491	490	496	496	138
25°	447	452	458	467	467	206
35°	389	399	410	422	425	243
45°	320	335	354	369	374	247
55°	244	263	288	305	312	218
65°	165	187	215	235	241	163
75°	86	109	141	163	170	91
85°	19	45	77	98	105	22
90°	0	25	54	74	81	1
95°	0	24	51	70	78	0
105°	0	20	48	66	72	1
115°	1	18	41	59	66	1
125°	1	15	35	50	57	1
135°	1	12	28	41	46	1
145°	1	8	20	32	35	1
155°	1	5	13	20	23	0
165°	1	3	6	9	12	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°	509.0	509.0	509.0	509.0	509.0
2.5°	512.1	511.1	505.8	510.0	507.9
5°	511.1	510.0	504.8	509.0	507.9
7.5°	506.9	506.9	503.7	507.9	506.9
10°	502.7	502.7	499.5	504.8	503.7
12.5°	496.4	497.5	495.4	501.6	500.6
15°	489.1	491.2	490.1	496.4	496.4
17.5°	480.7	482.8	482.8	490.1	490.1
20°	470.2	473.3	475.4	483.8	483.8
22.5°	459.7	463.9	467.0	474.4	477.5
25°	447.1	452.3	457.6	467.0	467.0
27.5°	434.5	440.8	447.1	456.5	457.6
30°	419.8	427.1	435.5	445.0	447.1
32.5°	405.1	414.5	422.9	434.5	437.6
35°	389.4	398.8	410.3	421.9	425.0
37.5°	371.5	383.1	397.8	410.3	413.5
40°	355.8	368.4	383.1	397.8	400.9
42.5°	337.9	351.6	369.4	383.1	388.3
45°	320.1	334.8	353.7	369.4	373.6
47.5°	301.2	318.0	339.0	353.7	358.9
50°	282.3	300.1	322.2	339.0	343.2
52.5°	263.4	282.3	305.4	322.2	327.4
55°	243.5	263.4	287.6	305.4	311.7
57.5°	224.6	244.5	269.7	288.6	294.9
60°	203.6	226.7	251.9	270.8	278.1
62.5°	185.8	206.7	234.0	252.9	259.2
65°	164.8	186.8	215.1	235.1	241.4
67.5°	144.8	167.9	196.3	217.2	223.5
70°	124.9	148.0	178.4	198.4	205.7
72.5°	104.9	129.1	158.5	180.5	187.9
75°	86.1	109.1	140.6	162.7	170.0
77.5°	66.1	91.3	122.8	144.8	153.2
80°	48.3	74.5	106.0	128.0	136.4
82.5°	32.5	58.8	90.3	112.3	120.7
85°	18.9	45.1	76.6	97.6	104.9
87.5°	9.4	34.6	64.0	85.0	92.4
90°	0.0	25.2	53.5	73.5	80.8
92.5°	0.0	24.1	52.5	71.4	78.7
95°	0.0	24.1	51.4	70.3	77.7
97.5°	0.0	23.1	50.4	70.3	76.6
100°	0.0	22.0	50.4	69.3	75.6
102.5°	0.0	21.0	49.3	68.2	74.5
105°	0.0	19.9	48.3	66.1	72.4
107.5°	1.0	19.9	46.2	65.1	71.4
110°	1.0	18.9	44.1	64.0	70.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.0	17.8	42.0	61.9	68.2
115°	1.0	17.8	40.9	58.8	66.1
117.5°	1.0	16.8	38.8	56.7	64.0
120°	1.0	16.8	37.8	54.6	60.9
122.5°	1.0	15.7	35.7	52.5	58.8
125°	1.0	14.7	34.6	50.4	56.7
127.5°	1.0	13.6	33.6	48.3	54.6
130°	1.0	12.6	31.5	46.2	51.4
132.5°	1.0	12.6	30.4	43.0	49.3
135°	1.0	11.5	28.3	40.9	46.2
137.5°	1.0	10.5	26.2	38.8	44.1
140°	1.0	9.4	24.1	36.7	40.9
142.5°	1.0	9.4	22.0	33.6	37.8
145°	1.0	8.4	19.9	31.5	34.6
147.5°	1.0	7.3	17.8	28.3	31.5
150°	1.0	7.3	15.7	25.2	28.3
152.5°	1.0	6.3	13.6	23.1	26.2
155°	1.0	5.2	12.6	19.9	23.1
157.5°	1.0	5.2	10.5	16.8	19.9
160°	1.0	4.2	9.4	13.6	16.8
162.5°	1.0	4.2	8.4	11.5	14.7
165°	1.0	3.1	6.3	9.4	11.5
167.5°	1.0	3.1	5.2	7.3	9.4
170°	1.0	2.1	4.2	5.2	7.3
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)