

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: P566122

Luminaire Tested: **4SNX-20SL-SLW-UNV-L930-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566122  
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-L930-CD  
Description: 4FT 2000 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND SLW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

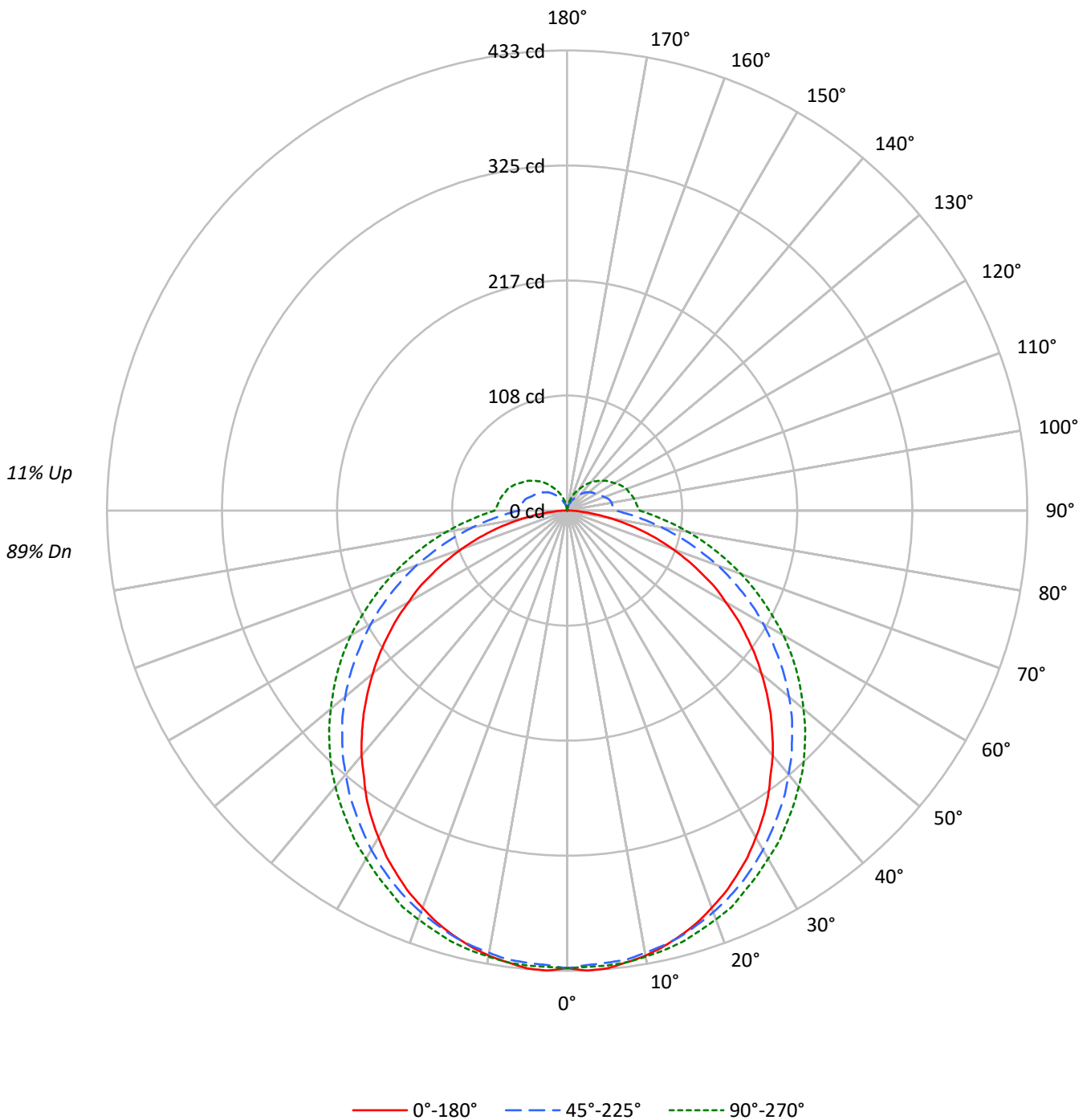
Lumens per Lamp: N/A  
Luminaire Lumens: 1533.0 lumens  
Efficiency: N/A  
Efficacy: 126.7 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')  
CIE Type: Semi-Direct

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°	4635	4635	4635
5°	4664	4516	4512
10°	4632	4424	4401
15°	4586	4331	4298
20°	4523	4224	4183
25°	4449	4118	4063
30°	4363	4004	3945
35°	4266	3884	3834
40°	4157	3766	3728
45°	4038	3645	3612
50°	3902	3519	3483
55°	3755	3367	3357
60°	3578	3204	3216
65°	3399	3020	3038
70°	3147	2818	2864
75°	2810	2563	2671
80°	2263	2303	2481
85°	1597	2078	2287



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	40.9	2.7
10°-20°	117.6	7.7
20°-30°	178.8	11.7
30°-40°	217.0	14.2
40°-50°	229.3	15.0
50°-60°	214.6	14.0
60°-70°	176.1	11.5
70°-80°	121.1	7.9
80°-90°	66.3	4.3
90°-100°	42.7	2.8
100°-110°	38.3	2.5
110°-120°	31.7	2.1
120°-130°	24.4	1.6
130°-140°	17.2	1.1
140°-150°	10.3	0.7
150°-160°	4.9	0.3
160°-170°	1.6	0.1
170°-180°	0.2	0.0
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0°-30°	337.2	22.0
0°-40°	554.2	36.2
0°-60°	998.1	65.1
0°-90°	1361.5	88.8
90°-120°	112.7	7.4
90°-150°	164.7	10.7
90°-180°	171.0	11.2
0°-180°	1533.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	431	431	431	431	431	
5°	432	432	427	431	430	41
15°	414	416	415	420	420	117
25°	378	383	387	395	395	174
35°	329	337	347	357	360	206
45°	271	283	299	312	316	209
55°	206	223	243	258	264	184
65°	139	158	182	199	204	138
75°	73	92	119	138	144	77
85°	16	38	65	83	89	18
90°	0	21	45	62	68	1
95°	0	20	44	60	66	0
105°	0	17	41	56	61	1
115°	1	15	35	50	56	1
125°	1	12	29	43	48	1
135°	1	10	24	35	39	1
145°	1	7	17	27	29	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°	430.6	430.6	430.6	430.6	430.6
2.5°	433.3	432.4	428.0	431.5	429.7
5°	432.4	431.5	427.1	430.6	429.7
7.5°	428.8	428.8	426.2	429.7	428.8
10°	425.3	425.3	422.6	427.1	426.2
12.5°	420.0	420.9	419.1	424.4	423.5
15°	413.8	415.5	414.6	420.0	420.0
17.5°	406.7	408.4	408.4	414.6	414.6
20°	397.8	400.4	402.2	409.3	409.3
22.5°	388.9	392.4	395.1	401.3	404.0
25°	378.2	382.7	387.1	395.1	395.1
27.5°	367.6	372.9	378.2	386.2	387.1
30°	355.2	361.4	368.5	376.5	378.2
32.5°	342.7	350.7	357.8	367.6	370.2
35°	329.4	337.4	347.2	356.9	359.6
37.5°	314.3	324.1	336.5	347.2	349.8
40°	301.0	311.6	324.1	336.5	339.2
42.5°	285.9	297.4	312.5	324.1	328.5
45°	270.8	283.2	299.2	312.5	316.1
47.5°	254.8	269.0	286.8	299.2	303.7
50°	238.8	253.9	272.6	286.8	290.3
52.5°	222.9	238.8	258.4	272.6	277.0
55°	206.0	222.9	243.3	258.4	263.7
57.5°	190.0	206.9	228.2	244.2	249.5
60°	172.2	191.8	213.1	229.1	235.3
62.5°	157.2	174.9	198.0	214.0	219.3
65°	139.4	158.0	182.0	198.9	204.2
67.5°	122.5	142.1	166.0	183.8	189.1
70°	105.7	125.2	150.9	167.8	174.0
72.5°	88.8	109.2	134.1	152.7	158.9
75°	72.8	92.3	119.0	137.6	143.8
77.5°	55.9	77.2	103.9	122.5	129.6
80°	40.8	63.0	89.7	108.3	115.4
82.5°	27.5	49.7	76.4	95.0	102.1
85°	16.0	38.2	64.8	82.6	88.8
87.5°	8.0	29.3	54.2	71.9	78.1
90°	0.0	21.3	45.3	62.2	68.4
92.5°	0.0	20.4	44.4	60.4	66.6
95°	0.0	20.4	43.5	59.5	65.7
97.5°	0.0	19.5	42.6	59.5	64.8
100°	0.0	18.6	42.6	58.6	63.9
102.5°	0.0	17.8	41.7	57.7	63.0
105°	0.0	16.9	40.8	55.9	61.3
107.5°	0.9	16.9	39.1	55.0	60.4
110°	0.9	16.0	37.3	54.2	59.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.9	15.1	35.5	52.4	57.7
115°	0.9	15.1	34.6	49.7	55.9
117.5°	0.9	14.2	32.9	47.9	54.2
120°	0.9	14.2	32.0	46.2	51.5
122.5°	0.9	13.3	30.2	44.4	49.7
125°	0.9	12.4	29.3	42.6	47.9
127.5°	0.9	11.5	28.4	40.8	46.2
130°	0.9	10.7	26.6	39.1	43.5
132.5°	0.9	10.7	25.7	36.4	41.7
135°	0.9	9.8	24.0	34.6	39.1
137.5°	0.9	8.9	22.2	32.9	37.3
140°	0.9	8.0	20.4	31.1	34.6
142.5°	0.9	8.0	18.6	28.4	32.0
145°	0.9	7.1	16.9	26.6	29.3
147.5°	0.9	6.2	15.1	24.0	26.6
150°	0.9	6.2	13.3	21.3	24.0
152.5°	0.9	5.3	11.5	19.5	22.2
155°	0.9	4.4	10.7	16.9	19.5
157.5°	0.9	4.4	8.9	14.2	16.9
160°	0.9	3.6	8.0	11.5	14.2
162.5°	0.9	3.6	7.1	9.8	12.4
165°	0.9	2.7	5.3	8.0	9.8
167.5°	0.9	2.7	4.4	6.2	8.0
170°	0.9	1.8	3.6	4.4	6.2
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)