

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: P566116

Luminaire Tested: **4SNX-20SL-LW-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566116
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-L940-CD
Description: 4FT 2000 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

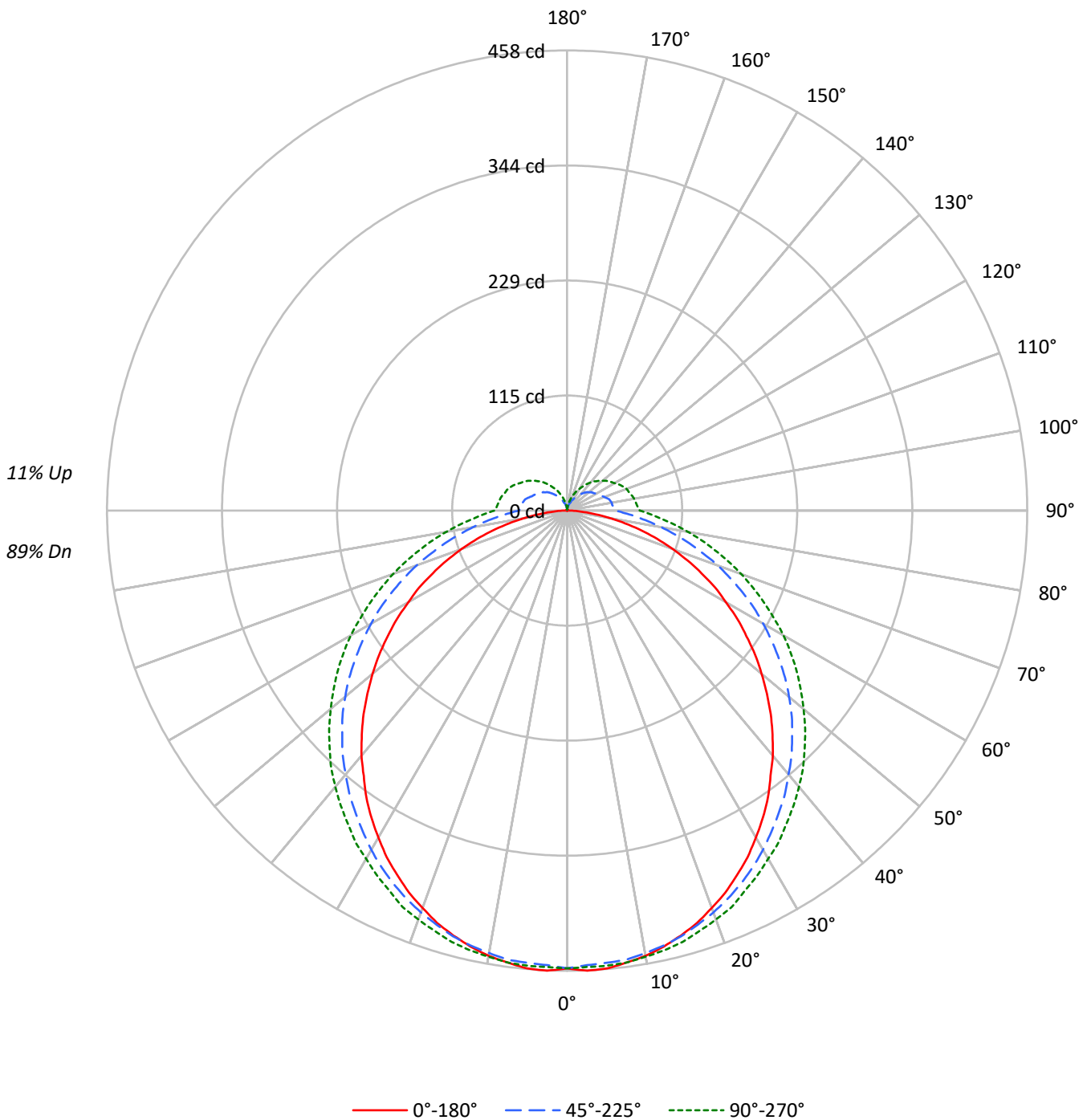
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1622.0 lumens
Efficiency: N/A
Efficacy: 134.0 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 (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°	4904	4904	4904
5°	4925	4678	4642
10°	4883	4491	4410
15°	4825	4310	4202
20°	4749	4123	3992
25°	4662	3944	3787
30°	4561	3759	3592
35°	4450	3573	3409
40°	4324	3392	3234
45°	4187	3211	3054
50°	4031	3024	2867
55°	3860	2816	2682
60°	3658	2599	2487
65°	3449	2365	2265
70°	3157	2115	2046
75°	2771	1825	1815
80°	2166	1532	1583
85°	1414	1260	1345



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.3	2.7
10°-20°	124.4	7.7
20°-30°	189.1	11.7
30°-40°	229.6	14.2
40°-50°	242.6	15.0
50°-60°	227.0	14.0
60°-70°	186.3	11.5
70°-80°	128.1	7.9
80°-90°	70.2	4.3
90°-100°	45.2	2.8
100°-110°	40.5	2.5
110°-120°	33.6	2.1
120°-130°	25.8	1.6
130°-140°	18.2	1.1
140°-150°	10.9	0.7
150°-160°	5.2	0.3
160°-170°	1.7	0.1
170°-180°	0.2	0.0
0°-30°	356.8	22.0
0°-40°	586.4	36.2
0°-60°	1056.0	65.1
0°-90°	1440.6	88.8
90°-120°	119.3	7.4
90°-150°	174.2	10.7
90°-180°	181.0	11.2
0°-180°	1622.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	456	456	456	456	456	
5°	458	457	452	456	455	43
15°	438	440	439	444	444	123
25°	400	405	410	418	418	184
35°	348	357	367	378	380	218
45°	286	300	317	331	334	221
55°	218	236	257	273	279	195
65°	148	167	193	210	216	146
75°	77	98	126	146	152	81
85°	17	40	69	87	94	20
90°	0	22	48	66	72	1
95°	0	22	46	63	70	0
105°	0	18	43	59	65	1
115°	1	16	37	53	59	1
125°	1	13	31	45	51	1
135°	1	10	25	37	41	1
145°	1	8	18	28	31	1
155°	1	5	11	18	21	0
165°	1	3	6	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°	455.6	455.6	455.6	455.6	455.6
2.5°	458.4	457.5	452.8	456.6	454.7
5°	457.5	456.6	451.9	455.6	454.7
7.5°	453.7	453.7	450.9	454.7	453.7
10°	450.0	450.0	447.2	451.9	450.9
12.5°	444.4	445.3	443.4	449.0	448.1
15°	437.8	439.7	438.7	444.4	444.4
17.5°	430.3	432.1	432.1	438.7	438.7
20°	420.9	423.7	425.6	433.1	433.1
22.5°	411.5	415.2	418.0	424.6	427.4
25°	400.2	404.9	409.6	418.0	418.0
27.5°	388.9	394.6	400.2	408.7	409.6
30°	375.8	382.3	389.9	398.3	400.2
32.5°	362.6	371.1	378.6	388.9	391.7
35°	348.5	357.0	367.3	377.7	380.5
37.5°	332.6	342.9	356.0	367.3	370.1
40°	318.5	329.7	342.9	356.0	358.9
42.5°	302.5	314.7	330.7	342.9	347.6
45°	286.5	299.7	316.6	330.7	334.4
47.5°	269.6	284.6	303.4	316.6	321.3
50°	252.7	268.7	288.4	303.4	307.2
52.5°	235.8	252.7	273.4	288.4	293.1
55°	217.9	235.8	257.4	273.4	279.0
57.5°	201.0	218.9	241.4	258.3	264.0
60°	182.2	202.9	225.5	242.4	248.9
62.5°	166.3	185.1	209.5	226.4	232.0
65°	147.5	167.2	192.6	210.4	216.1
67.5°	129.6	150.3	175.7	194.5	200.1
70°	111.8	132.5	159.7	177.6	184.1
72.5°	93.9	115.5	141.9	161.6	168.2
75°	77.0	97.7	125.9	145.6	152.2
77.5°	59.2	81.7	109.9	129.6	137.2
80°	43.2	66.7	94.9	114.6	122.1
82.5°	29.1	52.6	80.8	100.5	108.0
85°	16.9	40.4	68.6	87.4	93.9
87.5°	8.5	31.0	57.3	76.1	82.7
90°	0.0	22.5	47.9	65.8	72.3
92.5°	0.0	21.6	47.0	63.9	70.5
95°	0.0	21.6	46.0	62.9	69.5
97.5°	0.0	20.7	45.1	62.9	68.6
100°	0.0	19.7	45.1	62.0	67.6
102.5°	0.0	18.8	44.2	61.1	66.7
105°	0.0	17.8	43.2	59.2	64.8
107.5°	0.9	17.8	41.3	58.2	63.9
110°	0.9	16.9	39.5	57.3	62.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.9	16.0	37.6	55.4	61.1
115°	0.9	16.0	36.6	52.6	59.2
117.5°	0.9	15.0	34.8	50.7	57.3
120°	0.9	15.0	33.8	48.9	54.5
122.5°	0.9	14.1	31.9	47.0	52.6
125°	0.9	13.2	31.0	45.1	50.7
127.5°	0.9	12.2	30.1	43.2	48.9
130°	0.9	11.3	28.2	41.3	46.0
132.5°	0.9	11.3	27.2	38.5	44.2
135°	0.9	10.3	25.4	36.6	41.3
137.5°	0.9	9.4	23.5	34.8	39.5
140°	0.9	8.5	21.6	32.9	36.6
142.5°	0.9	8.5	19.7	30.1	33.8
145°	0.9	7.5	17.8	28.2	31.0
147.5°	0.9	6.6	16.0	25.4	28.2
150°	0.9	6.6	14.1	22.5	25.4
152.5°	0.9	5.6	12.2	20.7	23.5
155°	0.9	4.7	11.3	17.8	20.7
157.5°	0.9	4.7	9.4	15.0	17.8
160°	0.9	3.8	8.5	12.2	15.0
162.5°	0.9	3.8	7.5	10.3	13.2
165°	0.9	2.8	5.6	8.5	10.3
167.5°	0.9	2.8	4.7	6.6	8.5
170°	0.9	1.9	3.8	4.7	6.6
172.5°	0.9	1.9	2.8	2.8	2.8
175°	0.9	0.9	1.9	1.9	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)