

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: P567113

Luminaire Tested: **4SNX-SL3-LW-UNV-CC93-CD-4000K-LOW**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567113
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-SL3-LW-UNV-CC93-CD-4000K-LOW
Description: 4FT 6000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 4000K, 90CRI, LOW LUMEN SETTING, AND LW LENS
Light Source: -
Ballast/Driver: -

Summary

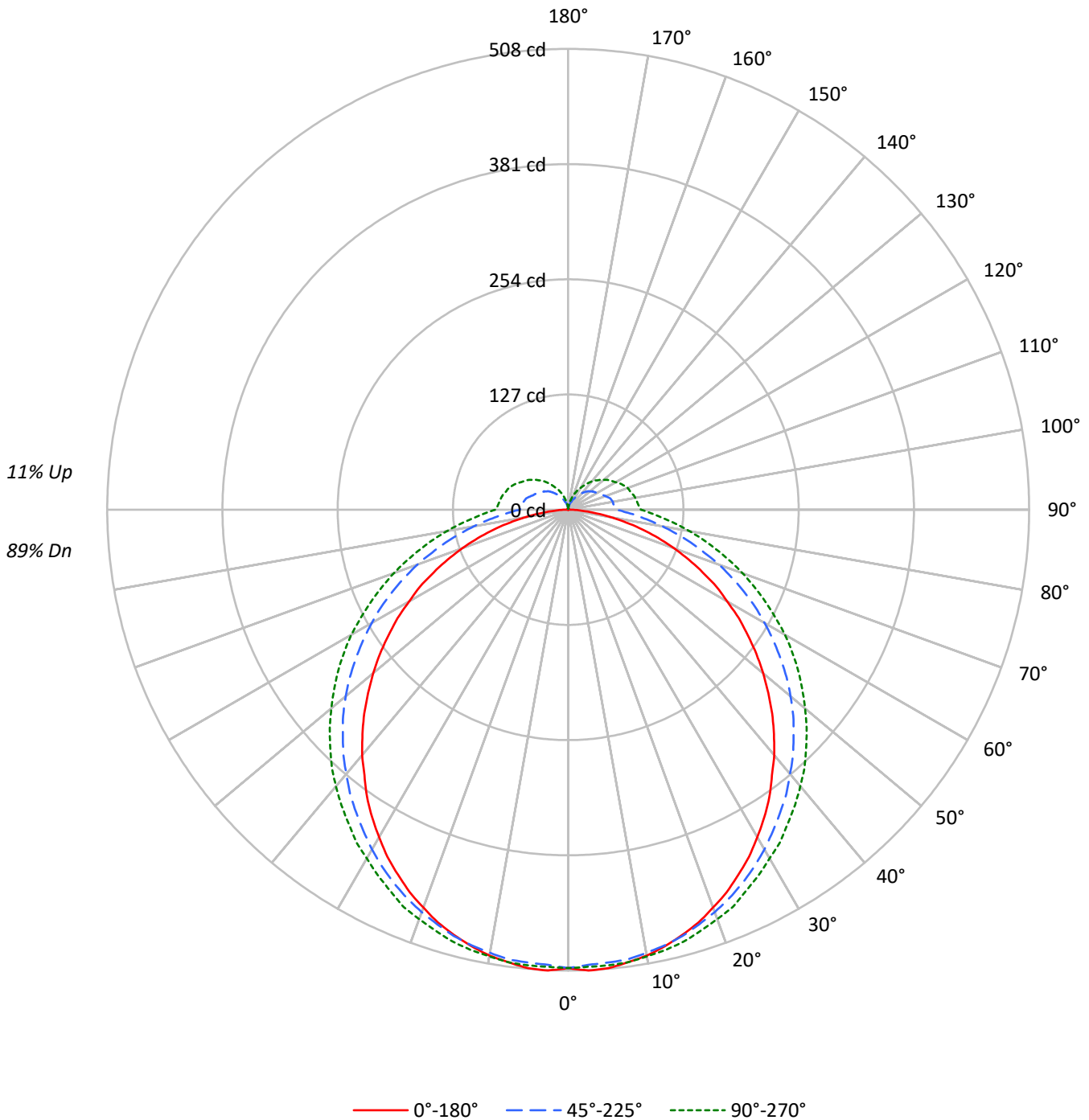
Lumens per Lamp: N/A
Luminaire Lumens: 1799.0 lumens
Efficiency: N/A
Efficacy: 111.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 16.137
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°	5439	5439	5439
5°	5463	5188	5149
10°	5415	4981	4891
15°	5350	4781	4659
20°	5267	4573	4427
25°	5172	4374	4201
30°	5059	4169	3984
35°	4936	3963	3780
40°	4795	3762	3586
45°	4644	3561	3388
50°	4472	3355	3179
55°	4281	3123	2975
60°	4058	2883	2759
65°	3825	2623	2512
70°	3502	2346	2269
75°	3074	2023	2013
80°	2402	1698	1757
85°	1573	1398	1493



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.0	2.7
10°-20°	138.0	7.7
20°-30°	209.8	11.7
30°-40°	254.7	14.2
40°-50°	269.1	15.0
50°-60°	251.8	14.0
60°-70°	206.6	11.5
70°-80°	142.1	7.9
80°-90°	77.8	4.3
90°-100°	50.1	2.8
100°-110°	45.0	2.5
110°-120°	37.2	2.1
120°-130°	28.6	1.6
130°-140°	20.1	1.1
140°-150°	12.1	0.7
150°-160°	5.8	0.3
160°-170°	1.9	0.1
170°-180°	0.2	0.0
0°-30°	395.7	22.0
0°-40°	650.4	36.2
0°-60°	1171.3	65.1
0°-90°	1597.8	88.8
90°-120°	132.3	7.4
90°-150°	193.2	10.7
90°-180°	201.0	11.2
0°-180°	1799.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	505	505	505	505	505	
5°	507	506	501	505	504	48
15°	486	488	487	493	493	137
25°	444	449	454	464	464	205
35°	387	396	407	419	422	241
45°	318	332	351	367	371	245
55°	242	262	286	303	310	216
65°	164	186	214	233	240	162
75°	85	108	140	162	169	90
85°	19	45	76	97	104	22
90°	0	25	53	73	80	1
95°	0	24	51	70	77	0
105°	0	20	48	66	72	1
115°	1	18	41	58	66	1
125°	1	15	34	50	56	1
135°	1	12	28	41	46	1
145°	1	8	20	31	34	1
155°	1	5	12	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°	505.3	505.3	505.3	505.3	505.3
2.5°	508.5	507.4	502.2	506.4	504.3
5°	507.4	506.4	501.2	505.3	504.3
7.5°	503.3	503.3	500.1	504.3	503.3
10°	499.1	499.1	496.0	501.2	500.1
12.5°	492.8	493.9	491.8	498.0	497.0
15°	485.5	487.6	486.6	492.8	492.8
17.5°	477.2	479.3	479.3	486.6	486.6
20°	466.8	469.9	472.0	480.3	480.3
22.5°	456.4	460.5	463.7	471.0	474.1
25°	443.9	449.1	454.3	463.7	463.7
27.5°	431.4	437.6	443.9	453.2	454.3
30°	416.8	424.1	432.4	441.8	443.9
32.5°	402.2	411.6	419.9	431.4	434.5
35°	386.6	395.9	407.4	418.9	422.0
37.5°	368.8	380.3	394.9	407.4	410.5
40°	353.2	365.7	380.3	394.9	398.0
42.5°	335.5	349.1	366.8	380.3	385.5
45°	317.8	332.4	351.1	366.8	370.9
47.5°	299.0	315.7	336.5	351.1	356.3
50°	280.3	298.0	319.9	336.5	340.7
52.5°	261.5	280.3	303.2	319.9	325.1
55°	241.7	261.5	285.5	303.2	309.5
57.5°	223.0	242.8	267.8	286.5	292.8
60°	202.1	225.1	250.1	268.8	276.1
62.5°	184.4	205.3	232.4	251.1	257.4
65°	163.6	185.5	213.6	233.4	239.6
67.5°	143.8	166.7	194.8	215.7	221.9
70°	124.0	146.9	177.1	196.9	204.2
72.5°	104.2	128.2	157.3	179.2	186.5
75°	85.4	108.4	139.6	161.5	168.8
77.5°	65.6	90.6	121.9	143.8	152.1
80°	47.9	74.0	105.2	127.1	135.5
82.5°	32.3	58.3	89.6	111.5	119.8
85°	18.8	44.8	76.1	96.9	104.2
87.5°	9.4	34.4	63.6	84.4	91.7
90°	0.0	25.0	53.1	72.9	80.2
92.5°	0.0	24.0	52.1	70.9	78.1
95°	0.0	24.0	51.1	69.8	77.1
97.5°	0.0	22.9	50.0	69.8	76.1
100°	0.0	21.9	50.0	68.8	75.0
102.5°	0.0	20.8	49.0	67.7	74.0
105°	0.0	19.8	47.9	65.6	71.9
107.5°	1.0	19.8	45.8	64.6	70.9
110°	1.0	18.8	43.8	63.6	69.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.0	17.7	41.7	61.5	67.7
115°	1.0	17.7	40.6	58.3	65.6
117.5°	1.0	16.7	38.6	56.3	63.6
120°	1.0	16.7	37.5	54.2	60.4
122.5°	1.0	15.6	35.4	52.1	58.3
125°	1.0	14.6	34.4	50.0	56.3
127.5°	1.0	13.5	33.3	47.9	54.2
130°	1.0	12.5	31.3	45.8	51.1
132.5°	1.0	12.5	30.2	42.7	49.0
135°	1.0	11.5	28.1	40.6	45.8
137.5°	1.0	10.4	26.0	38.6	43.8
140°	1.0	9.4	24.0	36.5	40.6
142.5°	1.0	9.4	21.9	33.3	37.5
145°	1.0	8.3	19.8	31.3	34.4
147.5°	1.0	7.3	17.7	28.1	31.3
150°	1.0	7.3	15.6	25.0	28.1
152.5°	1.0	6.3	13.5	22.9	26.0
155°	1.0	5.2	12.5	19.8	22.9
157.5°	1.0	5.2	10.4	16.7	19.8
160°	1.0	4.2	9.4	13.5	16.7
162.5°	1.0	4.2	8.3	11.5	14.6
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)