

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: P566165

Luminaire Tested: **4SNX-22SL-LW-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566165
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-22SL-LW-UNV-L950-CD
Description: 4FT 2200 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

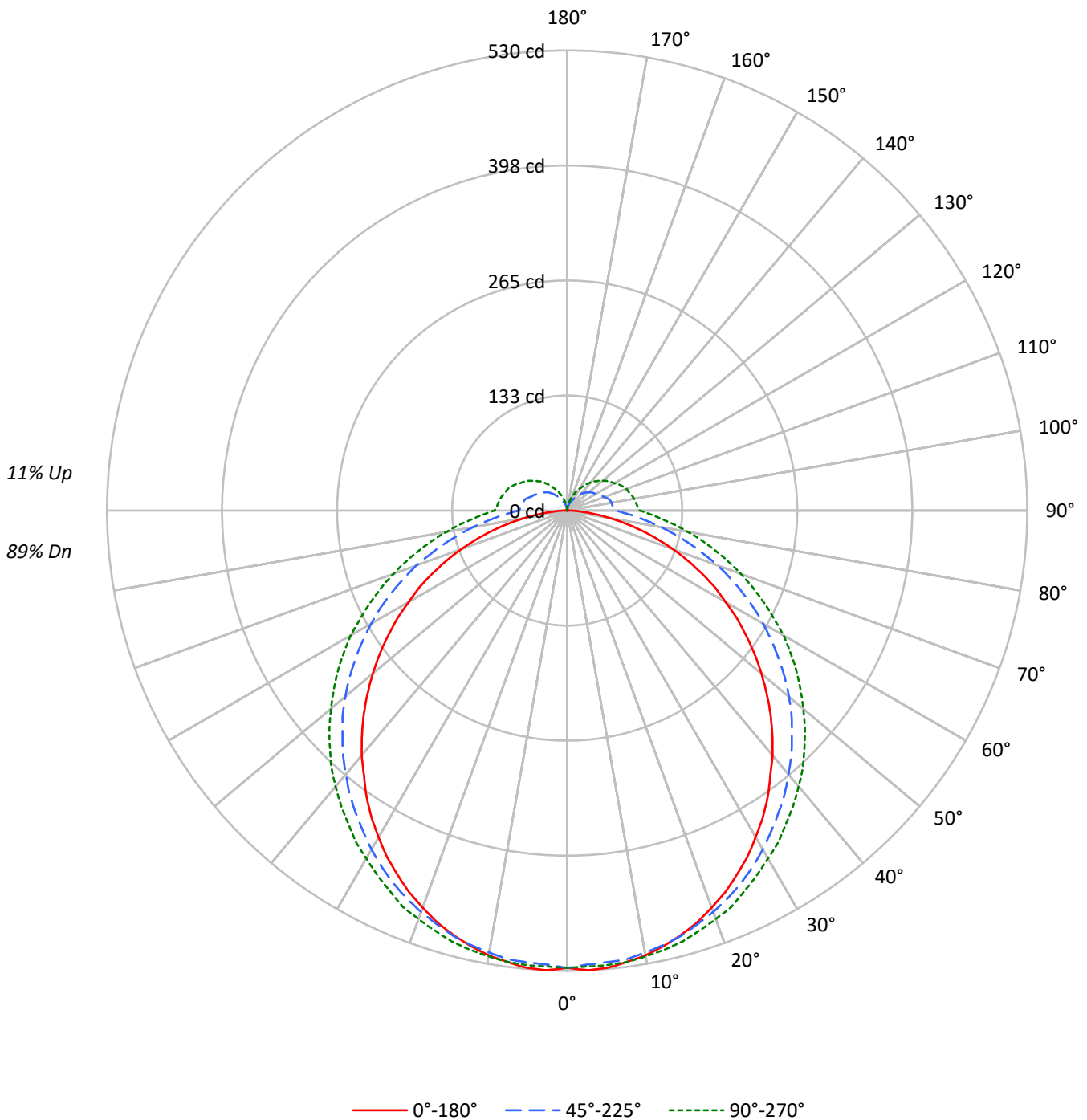
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1875.0 lumens
Efficiency: N/A
Efficacy: 135.9 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): 13.8
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	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°	5669	5669	5669
5°	5694	5407	5366
10°	5644	5191	5098
15°	5578	4982	4857
20°	5489	4766	4615
25°	5389	4559	4379
30°	5272	4345	4152
35°	5144	4131	3940
40°	4998	3922	3738
45°	4840	3712	3531
50°	4660	3496	3314
55°	4462	3256	3100
60°	4231	3004	2875
65°	3986	2733	2619
70°	3648	2445	2365
75°	3203	2109	2097
80°	2507	1771	1831
85°	1631	1456	1556



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.0	2.7
10°-20°	143.8	7.7
20°-30°	218.6	11.7
30°-40°	265.4	14.2
40°-50°	280.5	15.0
50°-60°	262.4	14.0
60°-70°	215.3	11.5
70°-80°	148.1	7.9
80°-90°	81.1	4.3
90°-100°	52.2	2.8
100°-110°	46.9	2.5
110°-120°	38.8	2.1
120°-130°	29.9	1.6
130°-140°	21.0	1.1
140°-150°	12.7	0.7
150°-160°	6.1	0.3
160°-170°	2.0	0.1
170°-180°	0.2	0.0
0°-30°	412.5	22.0
0°-40°	677.9	36.2
0°-60°	1220.8	65.1
0°-90°	1665.3	88.8
90°-120°	137.9	7.4
90°-150°	201.4	10.7
90°-180°	210.0	11.2
0°-180°	1875.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	527	527	527	527	527	
5°	529	528	522	527	526	50
15°	506	508	507	514	514	143
25°	463	468	474	483	483	213
35°	403	413	425	437	440	252
45°	331	346	366	382	387	255
55°	252	273	298	316	322	225
65°	170	193	223	243	250	169
75°	89	113	146	168	176	94
85°	20	47	79	101	109	23
90°	0	26	55	76	84	1
95°	0	25	53	73	80	0
105°	0	21	50	68	75	1
115°	1	18	42	61	68	1
125°	1	15	36	52	59	1
135°	1	12	29	42	48	1
145°	1	9	21	33	36	1
155°	1	5	13	21	24	1
165°	1	3	6	10	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°	526.7	526.7	526.7	526.7	526.7
2.5°	529.9	528.9	523.4	527.8	525.6
5°	528.9	527.8	522.3	526.7	525.6
7.5°	524.5	524.5	521.3	525.6	524.5
10°	520.2	520.2	516.9	522.3	521.3
12.5°	513.7	514.7	512.6	519.1	518.0
15°	506.1	508.2	507.1	513.7	513.7
17.5°	497.4	499.5	499.5	507.1	507.1
20°	486.5	489.8	491.9	500.6	500.6
22.5°	475.7	480.0	483.3	490.9	494.1
25°	462.6	468.0	473.5	483.3	483.3
27.5°	449.6	456.1	462.6	472.4	473.5
30°	434.4	442.0	450.7	460.4	462.6
32.5°	419.2	429.0	437.6	449.6	452.8
35°	402.9	412.7	424.6	436.6	439.8
37.5°	384.4	396.4	411.6	424.6	427.9
40°	368.1	381.2	396.4	411.6	414.8
42.5°	349.7	363.8	382.3	396.4	401.8
45°	331.2	346.4	366.0	382.3	386.6
47.5°	311.7	329.0	350.8	366.0	371.4
50°	292.1	310.6	333.4	350.8	355.1
52.5°	272.6	292.1	316.0	333.4	338.8
55°	251.9	272.6	297.6	316.0	322.5
57.5°	232.4	253.0	279.1	298.6	305.2
60°	210.7	234.6	260.6	280.2	287.8
62.5°	192.2	213.9	242.2	261.7	268.2
65°	170.5	193.3	222.6	243.3	249.8
67.5°	149.9	173.8	203.1	224.8	231.3
70°	129.2	153.1	184.6	205.2	212.8
72.5°	108.6	133.6	164.0	186.8	194.4
75°	89.0	112.9	145.5	168.3	175.9
77.5°	68.4	94.5	127.1	149.9	158.6
80°	50.0	77.1	109.7	132.5	141.2
82.5°	33.7	60.8	93.4	116.2	124.9
85°	19.5	46.7	79.3	101.0	108.6
87.5°	9.8	35.8	66.2	88.0	95.6
90°	0.0	26.1	55.4	76.0	83.6
92.5°	0.0	25.0	54.3	73.8	81.4
95°	0.0	25.0	53.2	72.8	80.4
97.5°	0.0	23.9	52.1	72.8	79.3
100°	0.0	22.8	52.1	71.7	78.2
102.5°	0.0	21.7	51.0	70.6	77.1
105°	0.0	20.6	50.0	68.4	74.9
107.5°	1.1	20.6	47.8	67.3	73.8
110°	1.1	19.5	45.6	66.2	72.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.1	18.5	43.4	64.1	70.6
115°	1.1	18.5	42.4	60.8	68.4
117.5°	1.1	17.4	40.2	58.6	66.2
120°	1.1	17.4	39.1	56.5	63.0
122.5°	1.1	16.3	36.9	54.3	60.8
125°	1.1	15.2	35.8	52.1	58.6
127.5°	1.1	14.1	34.8	50.0	56.5
130°	1.1	13.0	32.6	47.8	53.2
132.5°	1.1	13.0	31.5	44.5	51.0
135°	1.1	11.9	29.3	42.4	47.8
137.5°	1.1	10.9	27.1	40.2	45.6
140°	1.1	9.8	25.0	38.0	42.4
142.5°	1.1	9.8	22.8	34.8	39.1
145°	1.1	8.7	20.6	32.6	35.8
147.5°	1.1	7.6	18.5	29.3	32.6
150°	1.1	7.6	16.3	26.1	29.3
152.5°	1.1	6.5	14.1	23.9	27.1
155°	1.1	5.4	13.0	20.6	23.9
157.5°	1.1	5.4	10.9	17.4	20.6
160°	1.1	4.3	9.8	14.1	17.4
162.5°	1.1	4.3	8.7	11.9	15.2
165°	1.1	3.3	6.5	9.8	11.9
167.5°	1.1	3.3	5.4	7.6	9.8
170°	1.1	2.2	4.3	5.4	7.6
172.5°	1.1	2.2	3.3	3.3	3.3
175°	1.1	1.1	2.2	2.2	1.1
177.5°	1.1	1.1	1.1	1.1	1.1
180°	1.1	1.1	1.1	1.1	1.1

(END OF REPORT)