

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: P566139

Luminaire Tested: **4SNX-22SL-FDL-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566139
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-15)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-22SL-FDL-UNV-L935-CD
Description: 4FT 2200 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

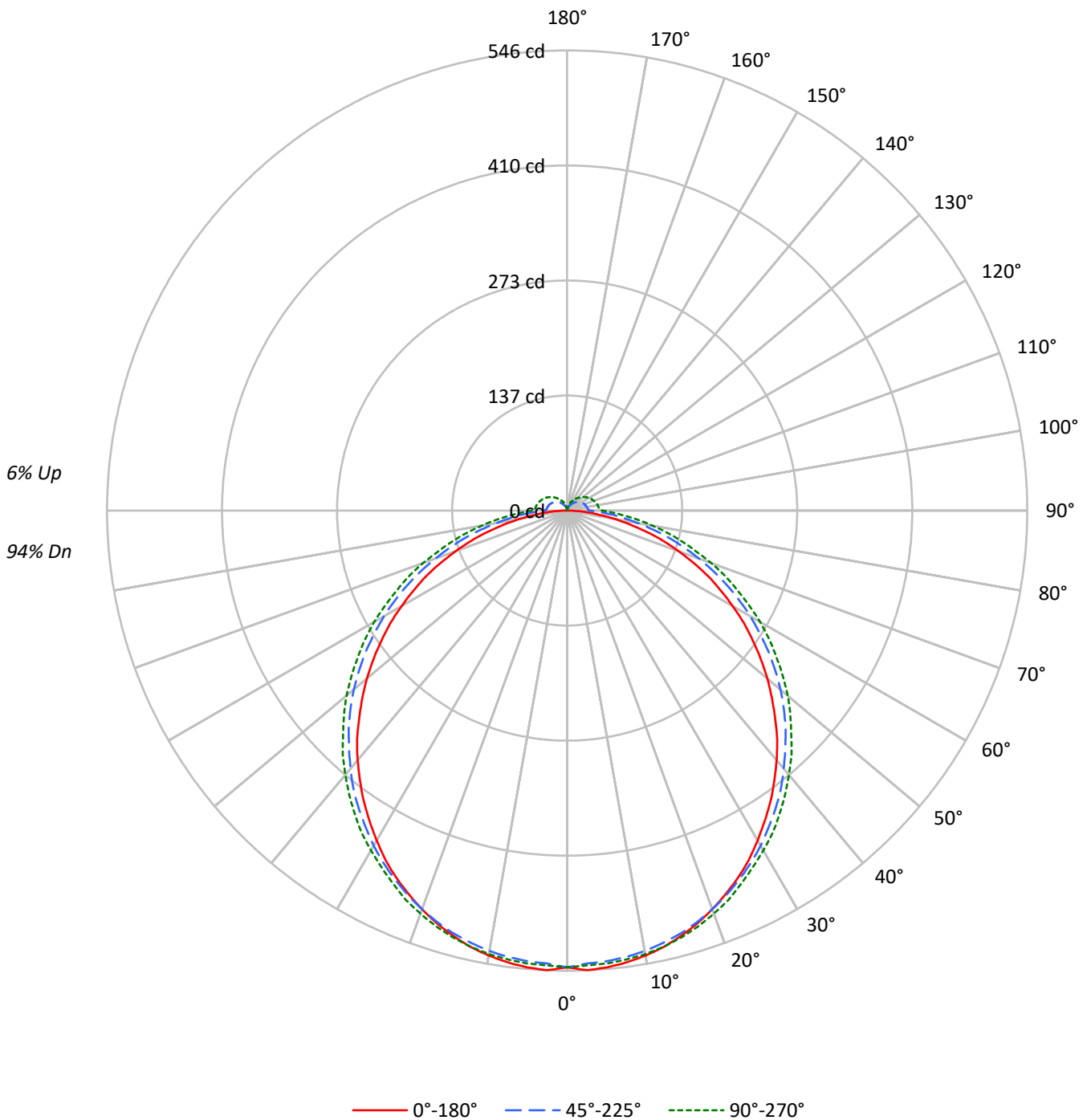
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1722.0 lumens
Efficiency: N/A
Efficacy: 124.8 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.04')
CIE Type: Direct

Input Watts (W): 13.8
Input Voltage (V): NR
Input Current (A_{in}): 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	50	30	10	0	
RCR																						
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94				
1	107	102	97	93	103	99	95	91	93	90	87	88	86	83	84	82	80	77				
2	97	88	81	75	93	86	79	74	81	76	71	77	73	69	73	69	66	64				
3	88	77	69	62	85	75	67	61	71	65	59	68	62	57	64	60	56	53				
4	80	68	59	52	78	66	58	52	63	56	50	60	54	49	57	52	48	45				
5	74	61	52	45	71	59	51	44	56	49	43	54	47	42	51	46	41	39				
6	68	55	46	39	66	53	45	39	51	43	38	49	42	37	47	41	36	34				
7	63	49	41	34	61	48	40	34	46	39	33	44	38	33	43	37	32	30				
8	59	45	36	31	57	44	36	30	42	35	30	41	34	29	39	33	29	27				
9	55	41	33	27	53	40	33	27	39	32	27	37	31	26	36	30	26	24				
10	51	38	30	25	50	37	30	25	36	29	24	35	28	24	33	28	24	22				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5833	5833	5833
5°	5873	5736	5744
10°	5849	5674	5673
15°	5805	5602	5592
20°	5746	5516	5496
25°	5677	5420	5383
30°	5583	5323	5279
35°	5489	5209	5170
40°	5387	5084	5048
45°	5256	4958	4906
50°	5129	4817	4775
55°	4974	4641	4594
60°	4798	4440	4417
65°	4611	4200	4171
70°	4293	3899	3916
75°	3907	3543	3613
80°	3336	3074	3276
85°	2627	2662	2878



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.4	3.0
10°-20°	147.5	8.6
20°-30°	223.5	13.0
30°-40°	269.8	15.7
40°-50°	281.7	16.4
50°-60°	258.8	15.0
60°-70°	204.7	11.9
70°-80°	129.5	7.5
80°-90°	55.7	3.2
90°-100°	24.5	1.4
100°-110°	21.9	1.3
110°-120°	18.5	1.1
120°-130°	14.4	0.8
130°-140°	10.0	0.6
140°-150°	6.0	0.3
150°-160°	2.9	0.2
160°-170°	1.0	0.1
170°-180°	0.1	0.0
0°-30°	422.3	24.5
0°-40°	692.1	40.2
0°-60°	1232.6	71.6
0°-90°	1622.5	94.2
90°-120°	65.0	3.8
90°-150°	95.4	5.5
90°-180°	99.0	5.7
0°-180°	1722.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	542	542	542	542	542	
5°	544	542	537	541	539	52
15°	522	522	520	525	524	147
25°	480	482	483	489	488	221
35°	421	426	431	438	439	263
45°	349	357	366	374	376	269
55°	269	280	292	301	303	241
65°	185	196	209	219	222	182
75°	98	109	125	136	141	103
85°	24	37	52	64	68	26
90°	2	13	27	38	42	2
95°	0	11	24	34	38	0
105°	0	10	23	32	35	0
115°	0	9	21	29	32	0
125°	1	8	17	25	28	1
135°	1	6	14	20	22	0
145°	1	5	10	15	16	0
155°	1	3	6	10	11	0
165°	1	2	3	5	6	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°	541.9	541.9	541.9	541.9	541.9
2.5°	545.8	544.0	537.9	542.2	540.1
5°	544.0	542.5	536.7	541.3	539.4
7.5°	540.7	539.4	534.3	539.1	537.3
10°	536.1	535.2	530.6	535.5	534.3
12.5°	530.3	530.0	525.4	530.9	530.0
15°	522.4	522.4	519.6	525.1	524.2
17.5°	513.8	514.1	512.0	517.8	517.2
20°	503.5	505.0	503.5	509.6	508.9
22.5°	492.2	494.3	493.7	499.8	500.1
25°	480.3	482.4	483.0	489.4	488.5
27.5°	467.2	470.5	471.7	477.5	477.2
30°	451.9	456.5	459.2	464.1	465.6
32.5°	436.4	441.9	445.2	451.9	453.8
35°	420.8	425.7	431.2	437.9	439.4
37.5°	403.7	409.2	416.6	423.0	424.8
40°	386.7	392.8	399.8	406.8	409.5
42.5°	369.0	375.4	383.0	391.2	394.0
45°	348.9	357.4	366.5	373.6	376.0
47.5°	329.6	339.1	348.9	356.5	359.2
50°	310.1	320.2	330.6	337.6	341.8
52.5°	289.7	300.7	311.0	319.9	322.6
55°	269.0	279.9	291.5	301.0	303.1
57.5°	248.8	259.5	271.1	279.9	284.2
60°	226.9	238.5	251.0	259.8	264.4
62.5°	205.5	216.8	230.2	239.7	243.3
65°	185.1	195.5	209.2	218.9	222.3
67.5°	162.5	174.4	187.5	198.8	203.1
70°	140.3	151.6	166.5	177.2	181.4
72.5°	119.5	130.5	145.5	156.1	160.1
75°	97.6	109.2	125.0	135.7	140.9
77.5°	76.5	89.3	104.6	116.2	122.0
80°	57.0	68.3	84.8	97.6	102.8
82.5°	38.7	50.9	68.0	79.9	85.7
85°	23.8	36.6	52.4	63.7	67.7
87.5°	11.3	23.5	38.1	49.1	54.0
90°	1.5	13.1	26.8	37.5	41.5
92.5°	0.3	11.3	24.7	34.8	38.4
95°	0.3	11.3	24.4	34.2	37.8
97.5°	0.3	11.0	24.1	33.8	37.2
100°	0.3	10.7	23.8	33.2	36.9
102.5°	0.3	10.7	23.2	32.6	36.0
105°	0.3	10.4	22.9	32.0	35.4
107.5°	0.3	10.1	22.3	31.4	34.8
110°	0.3	9.5	22.0	30.5	33.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.3	9.1	21.3	29.9	32.9
115°	0.3	8.8	20.7	29.0	32.0
117.5°	0.3	8.5	19.8	28.1	31.1
120°	0.6	8.5	19.2	27.1	29.9
122.5°	0.6	8.2	18.3	25.9	28.7
125°	0.6	7.9	17.4	25.0	27.7
127.5°	0.6	7.6	16.5	23.8	26.2
130°	0.6	7.0	15.9	22.6	25.0
132.5°	0.6	6.7	14.9	21.0	23.5
135°	0.6	6.1	14.0	19.8	22.3
137.5°	0.6	5.8	13.1	18.6	20.7
140°	0.6	5.5	11.9	17.4	19.5
142.5°	0.6	4.9	11.0	16.2	18.0
145°	0.6	4.6	9.8	14.9	16.5
147.5°	0.6	4.0	8.8	13.7	15.2
150°	0.6	3.7	7.9	12.5	14.0
152.5°	0.6	3.4	7.0	11.0	12.5
155°	0.6	3.0	6.4	9.5	11.3
157.5°	0.6	2.7	5.5	8.2	10.1
160°	0.9	2.4	4.9	7.0	8.5
162.5°	0.9	2.1	4.0	5.8	7.6
165°	0.9	2.1	3.4	4.6	6.4
167.5°	0.9	1.8	2.7	3.7	5.2
170°	0.9	1.5	2.4	2.7	4.0
172.5°	0.9	1.2	1.8	1.8	2.1
175°	0.9	1.2	1.5	1.5	0.9
177.5°	0.9	0.9	0.9	0.9	0.6
180°	0.9	0.9	0.9	0.9	0.9

(END OF REPORT)