

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: P565599

Luminaire Tested: **2SNX-25SL-FDL-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565599
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: 2SNX-25SL-FDL-UNV-L935-CD
Description: 2FT 2500 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

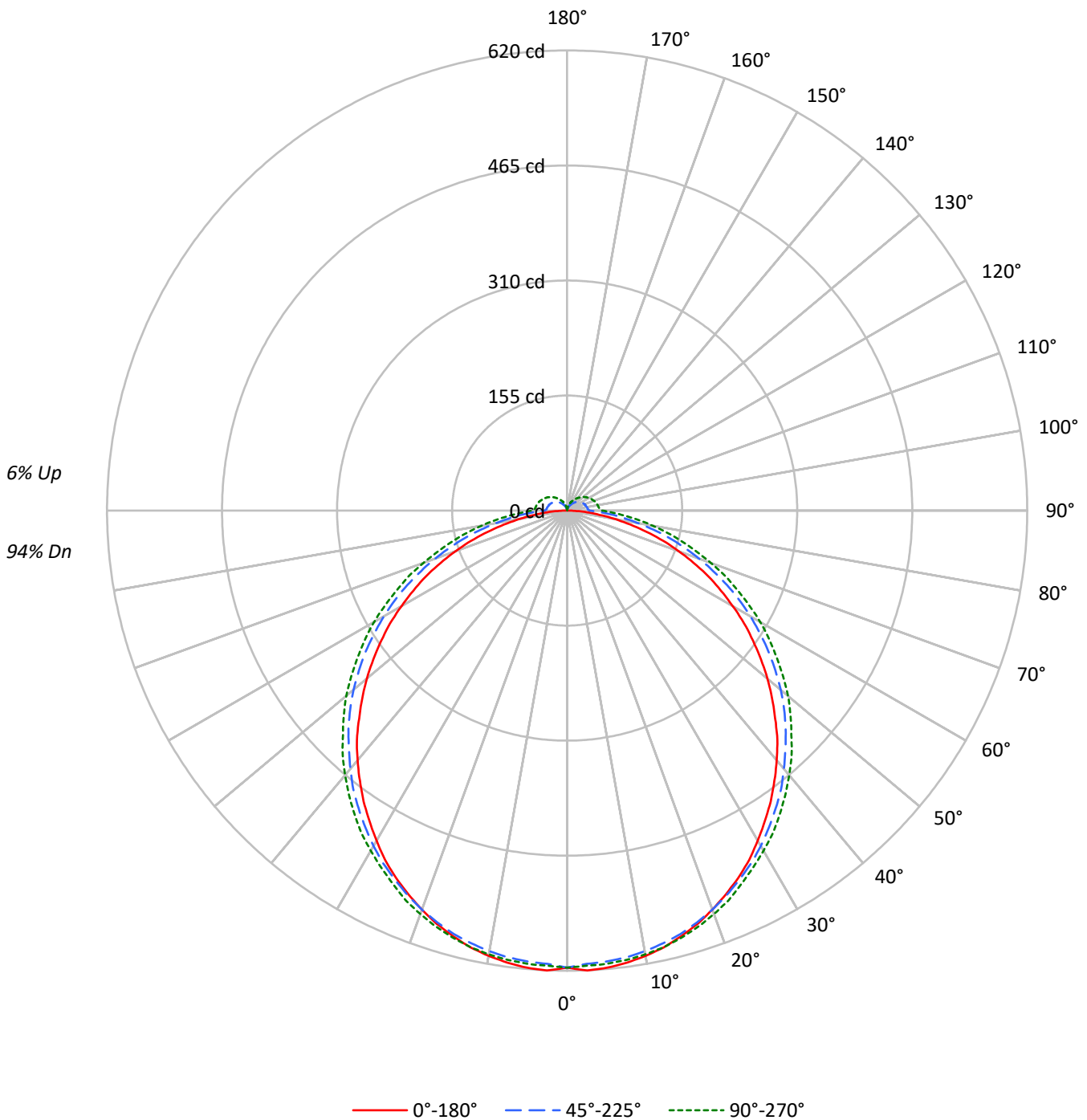
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1957.0 lumens
Efficiency: N/A
Efficacy: 111.8 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.04')
CIE Type: Direct

Input Watts (W): 17.5
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	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°	13257	13257	13257
5°	13337	13029	13059
10°	13268	12880	12894
15°	13158	12709	12709
20°	13010	12505	12493
25°	12840	12279	12237
30°	12615	12051	12000
35°	12387	11784	11753
40°	12136	11489	11474
45°	11825	11199	11151
50°	11516	10866	10855
55°	11142	10455	10444
60°	10713	9986	10040
65°	10259	9428	9479
70°	9490	8729	8902
75°	8559	7907	8210
80°	7185	6815	7444
85°	5386	5852	6539



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.4	3.0
10°-20°	167.6	8.6
20°-30°	254.0	13.0
30°-40°	306.6	15.7
40°-50°	320.2	16.4
50°-60°	294.1	15.0
60°-70°	232.6	11.9
70°-80°	147.2	7.5
80°-90°	63.3	3.2
90°-100°	27.8	1.4
100°-110°	24.9	1.3
110°-120°	21.1	1.1
120°-130°	16.4	0.8
130°-140°	11.4	0.6
140°-150°	6.8	0.3
150°-160°	3.3	0.2
160°-170°	1.2	0.1
170°-180°	0.2	0.0
0°-30°	480.0	24.5
0°-40°	786.6	40.2
0°-60°	1400.9	71.6
0°-90°	1843.9	94.2
90°-120°	73.8	3.8
90°-150°	108.4	5.5
90°-180°	113.0	5.8
0°-180°	1957.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	616	616	616	616	616	
5°	618	616	610	615	613	59
15°	594	594	590	597	596	167
25°	546	548	549	556	555	251
35°	478	484	490	498	499	299
45°	396	406	417	424	427	306
55°	306	318	331	342	344	273
65°	210	222	238	249	253	207
75°	111	124	142	154	160	118
85°	27	42	60	72	77	30
90°	2	15	30	43	47	2
95°	0	13	28	39	43	0
105°	0	12	26	36	40	0
115°	0	10	24	33	36	0
125°	1	9	20	28	32	1
135°	1	7	16	22	25	1
145°	1	5	11	17	19	0
155°	1	4	7	11	13	0
165°	1	2	4	5	7	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°	615.8	615.8	615.8	615.8	615.8
2.5°	620.3	618.3	611.3	616.2	613.8
5°	618.3	616.5	609.9	615.1	613.1
7.5°	614.4	613.1	607.2	612.7	610.6
10°	609.2	608.2	603.0	608.6	607.2
12.5°	602.7	602.3	597.1	603.4	602.3
15°	593.7	593.7	590.5	596.8	595.7
17.5°	583.9	584.3	581.9	588.5	587.8
20°	572.2	573.9	572.2	579.1	578.4
22.5°	559.3	561.8	561.1	568.0	568.4
25°	545.8	548.3	548.9	556.2	555.2
27.5°	530.9	534.7	536.1	542.7	542.4
30°	513.6	518.8	521.9	527.5	529.2
32.5°	495.9	502.2	506.0	513.6	515.7
35°	478.2	483.8	490.0	497.7	499.4
37.5°	458.8	465.1	473.4	480.7	482.8
40°	439.4	446.4	454.3	462.3	465.4
42.5°	419.3	426.6	435.3	444.6	447.8
45°	396.5	406.2	416.6	424.5	427.3
47.5°	374.6	385.4	396.5	405.1	408.2
50°	352.4	363.9	375.7	383.6	388.5
52.5°	329.2	341.7	353.5	363.5	366.7
55°	305.7	318.1	331.3	342.1	344.5
57.5°	282.8	294.9	308.1	318.1	323.0
60°	257.8	271.0	285.2	295.3	300.5
62.5°	233.6	246.4	261.7	272.4	276.6
65°	210.4	222.1	237.7	248.8	252.6
67.5°	184.7	198.2	213.1	226.0	230.8
70°	159.4	172.2	189.2	201.3	206.2
72.5°	135.9	148.3	165.3	177.4	181.9
75°	110.9	124.1	142.1	154.2	160.1
77.5°	87.0	101.5	118.9	132.0	138.6
80°	64.8	77.6	96.3	110.9	116.8
82.5°	44.0	57.9	77.3	90.8	97.4
85°	27.0	41.6	59.6	72.4	76.9
87.5°	12.8	26.7	43.3	55.8	61.3
90°	1.7	14.9	30.5	42.6	47.1
92.5°	0.3	12.8	28.1	39.5	43.7
95°	0.3	12.8	27.7	38.8	43.0
97.5°	0.3	12.5	27.4	38.5	42.3
100°	0.3	12.1	27.0	37.8	41.9
102.5°	0.3	12.1	26.3	37.1	40.9
105°	0.3	11.8	26.0	36.4	40.2
107.5°	0.3	11.4	25.3	35.7	39.5
110°	0.3	10.7	25.0	34.7	38.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.3	10.4	24.3	34.0	37.4
115°	0.3	10.1	23.6	32.9	36.4
117.5°	0.3	9.7	22.5	31.9	35.3
120°	0.7	9.7	21.8	30.8	34.0
122.5°	0.7	9.4	20.8	29.5	32.6
125°	0.7	9.0	19.8	28.4	31.5
127.5°	0.7	8.7	18.7	27.0	29.8
130°	0.7	8.0	18.0	25.6	28.4
132.5°	0.7	7.6	17.0	23.9	26.7
135°	0.7	6.9	15.9	22.5	25.3
137.5°	0.7	6.6	14.9	21.1	23.6
140°	0.7	6.2	13.5	19.8	22.2
142.5°	0.7	5.5	12.5	18.4	20.4
145°	0.7	5.2	11.1	17.0	18.7
147.5°	0.7	4.5	10.1	15.6	17.3
150°	0.7	4.2	9.0	14.2	15.9
152.5°	0.7	3.8	8.0	12.5	14.2
155°	0.7	3.5	7.3	10.7	12.8
157.5°	0.7	3.1	6.2	9.4	11.4
160°	1.0	2.8	5.5	8.0	9.7
162.5°	1.0	2.4	4.5	6.6	8.7
165°	1.0	2.4	3.8	5.2	7.3
167.5°	1.0	2.1	3.1	4.2	5.9
170°	1.0	1.7	2.8	3.1	4.5
172.5°	1.0	1.4	2.1	2.1	2.4
175°	1.0	1.4	1.7	1.7	1.0
177.5°	1.0	1.0	1.0	1.0	0.7
180°	1.0	1.0	1.0	1.0	1.0

(END OF REPORT)