

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: P565595

Luminaire Tested: **2SNX-25SL-FDL-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565595
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-L835-CD
Description: 2FT 2500 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

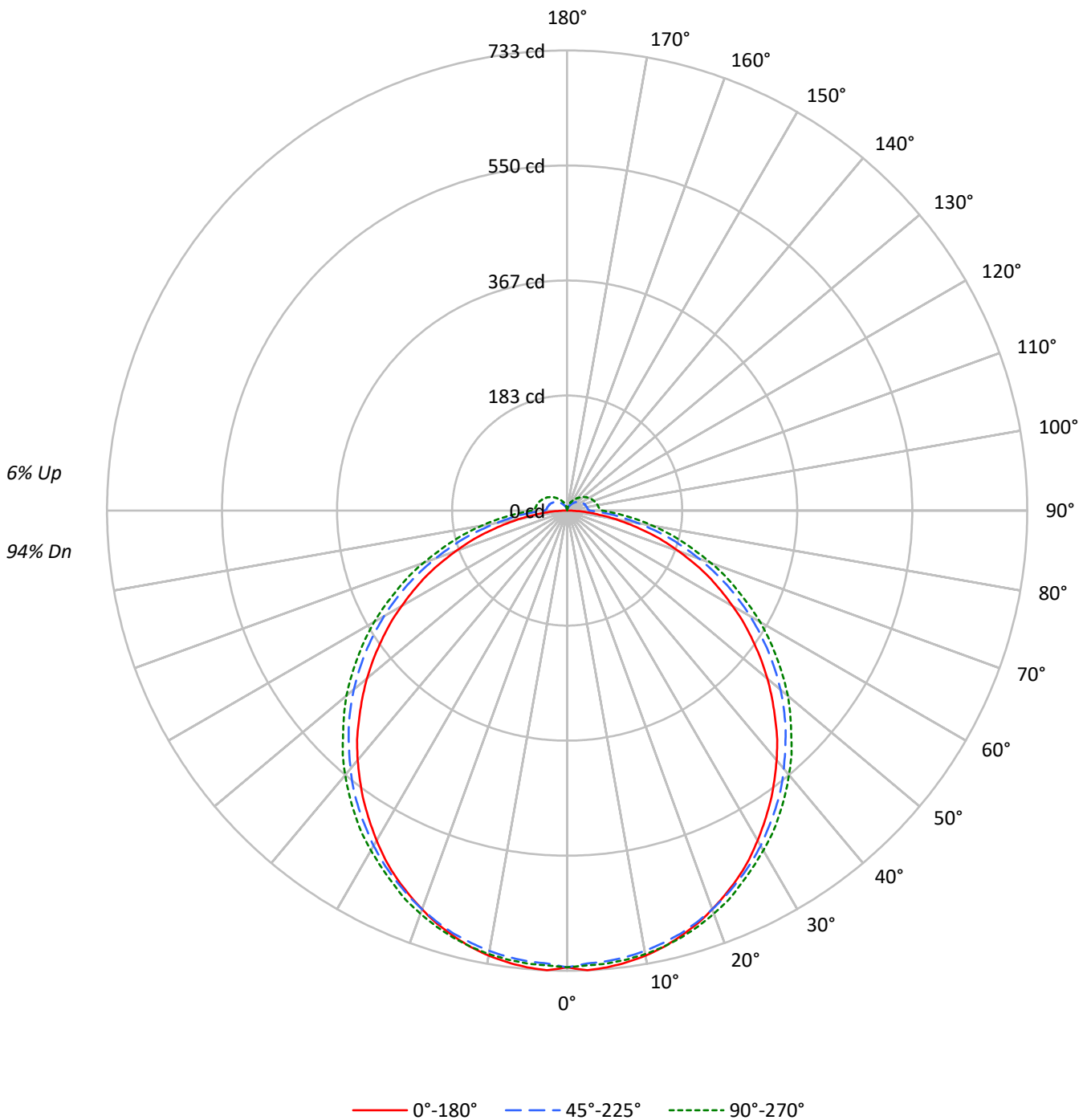
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2312.0 lumens
Efficiency: N/A
Efficacy: 132.1 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 (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	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°	15661	15661	15661
5°	15755	15394	15427
10°	15677	15217	15232
15°	15543	15016	15015
20°	15370	14774	14759
25°	15169	14507	14456
30°	14905	14238	14177
35°	14635	13921	13885
40°	14337	13575	13558
45°	13969	13228	13173
50°	13608	12835	12825
55°	13161	12352	12339
60°	12658	11800	11861
65°	12117	11141	11202
70°	11211	10312	10517
75°	10110	9343	9702
80°	8493	8053	8795
85°	6364	6913	7729



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.0	3.0
10°-20°	198.0	8.6
20°-30°	300.0	13.0
30°-40°	362.2	15.7
40°-50°	378.2	16.4
50°-60°	347.5	15.0
60°-70°	274.8	11.9
70°-80°	173.9	7.5
80°-90°	74.8	3.2
90°-100°	32.9	1.4
100°-110°	29.4	1.3
110°-120°	24.9	1.1
120°-130°	19.4	0.8
130°-140°	13.4	0.6
140°-150°	8.1	0.3
150°-160°	3.9	0.2
160°-170°	1.4	0.1
170°-180°	0.2	0.0
0°-30°	567.0	24.5
0°-40°	929.3	40.2
0°-60°	1655.0	71.6
0°-90°	2178.4	94.2
90°-120°	87.2	3.8
90°-150°	128.1	5.5
90°-180°	134.0	5.8
0°-180°	2312.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	728	728	728	728	728	
5°	730	728	721	727	724	69
15°	701	701	698	705	704	198
25°	645	648	648	657	656	297
35°	565	572	579	588	590	353
45°	468	480	492	502	505	362
55°	361	376	391	404	407	323
65°	248	262	281	294	298	245
75°	131	147	168	182	189	139
85°	32	49	70	86	91	35
90°	2	18	36	50	56	3
95°	0	15	33	46	51	0
105°	0	14	31	43	48	0
115°	0	12	28	39	43	0
125°	1	11	23	34	37	1
135°	1	8	19	27	30	1
145°	1	6	13	20	22	1
155°	1	4	9	13	15	0
165°	1	3	4	6	9	0
175°	1	2	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°	727.5	727.5	727.5	727.5	727.5
2.5°	732.9	730.4	722.2	728.0	725.1
5°	730.4	728.4	720.6	726.7	724.3
7.5°	725.9	724.3	717.3	723.9	721.4
10°	719.8	718.5	712.4	718.9	717.3
12.5°	712.0	711.6	705.4	712.8	711.6
15°	701.3	701.3	697.7	705.0	703.8
17.5°	689.9	690.3	687.4	695.2	694.4
20°	676.0	678.0	676.0	684.1	683.3
22.5°	660.8	663.7	662.9	671.0	671.5
25°	644.8	647.7	648.5	657.1	655.9
27.5°	627.2	631.7	633.4	641.2	640.7
30°	606.8	612.9	616.6	623.1	625.2
32.5°	585.9	593.3	597.8	606.8	609.2
35°	565.0	571.6	578.9	587.9	590.0
37.5°	542.1	549.4	559.3	567.9	570.3
40°	519.1	527.3	536.8	546.2	549.9
42.5°	495.4	504.0	514.2	525.3	529.0
45°	468.4	479.8	492.1	501.5	504.8
47.5°	442.6	455.3	468.4	478.6	482.3
50°	416.4	429.9	443.8	453.2	459.0
52.5°	389.0	403.7	417.6	429.5	433.2
55°	361.1	375.8	391.4	404.1	407.0
57.5°	334.1	348.4	364.0	375.8	381.6
60°	304.6	320.2	337.0	348.8	355.0
62.5°	276.0	291.1	309.1	321.8	326.7
65°	248.5	262.4	280.9	294.0	298.5
67.5°	218.2	234.2	251.8	266.9	272.7
70°	188.3	203.5	223.5	237.9	243.6
72.5°	160.5	175.2	195.3	209.6	214.9
75°	131.0	146.6	167.9	182.2	189.2
77.5°	102.8	120.0	140.4	156.0	163.8
80°	76.6	91.7	113.8	131.0	138.0
82.5°	52.0	68.4	91.3	107.3	115.0
85°	31.9	49.1	70.4	85.6	90.9
87.5°	15.1	31.5	51.2	65.9	72.5
90°	2.0	17.6	36.0	50.4	55.7
92.5°	0.4	15.1	33.2	46.7	51.6
95°	0.4	15.1	32.8	45.9	50.8
97.5°	0.4	14.7	32.3	45.4	49.9
100°	0.4	14.3	31.9	44.6	49.5
102.5°	0.4	14.3	31.1	43.8	48.3
105°	0.4	13.9	30.7	43.0	47.5
107.5°	0.4	13.5	29.9	42.2	46.7
110°	0.4	12.7	29.5	40.9	45.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.4	12.3	28.7	40.1	44.2
115°	0.4	11.9	27.8	38.9	43.0
117.5°	0.4	11.5	26.6	37.7	41.8
120°	0.8	11.5	25.8	36.4	40.1
122.5°	0.8	11.1	24.6	34.8	38.5
125°	0.8	10.6	23.3	33.6	37.3
127.5°	0.8	10.2	22.1	31.9	35.2
130°	0.8	9.4	21.3	30.3	33.6
132.5°	0.8	9.0	20.1	28.3	31.5
135°	0.8	8.2	18.8	26.6	29.9
137.5°	0.8	7.8	17.6	25.0	27.8
140°	0.8	7.4	16.0	23.3	26.2
142.5°	0.8	6.6	14.7	21.7	24.2
145°	0.8	6.1	13.1	20.1	22.1
147.5°	0.8	5.3	11.9	18.4	20.5
150°	0.8	4.9	10.6	16.8	18.8
152.5°	0.8	4.5	9.4	14.7	16.8
155°	0.8	4.1	8.6	12.7	15.1
157.5°	0.8	3.7	7.4	11.1	13.5
160°	1.2	3.3	6.6	9.4	11.5
162.5°	1.2	2.9	5.3	7.8	10.2
165°	1.2	2.9	4.5	6.1	8.6
167.5°	1.2	2.5	3.7	4.9	7.0
170°	1.2	2.0	3.3	3.7	5.3
172.5°	1.2	1.6	2.5	2.5	2.9
175°	1.2	1.6	2.0	2.0	1.2
177.5°	1.2	1.2	1.2	1.2	0.8
180°	1.2	1.2	1.2	1.2	1.2

(END OF REPORT)