

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: P565597

Luminaire Tested: **2SNX-25SL-FDL-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565597
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-L850-CD
Description: 2FT 2500 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

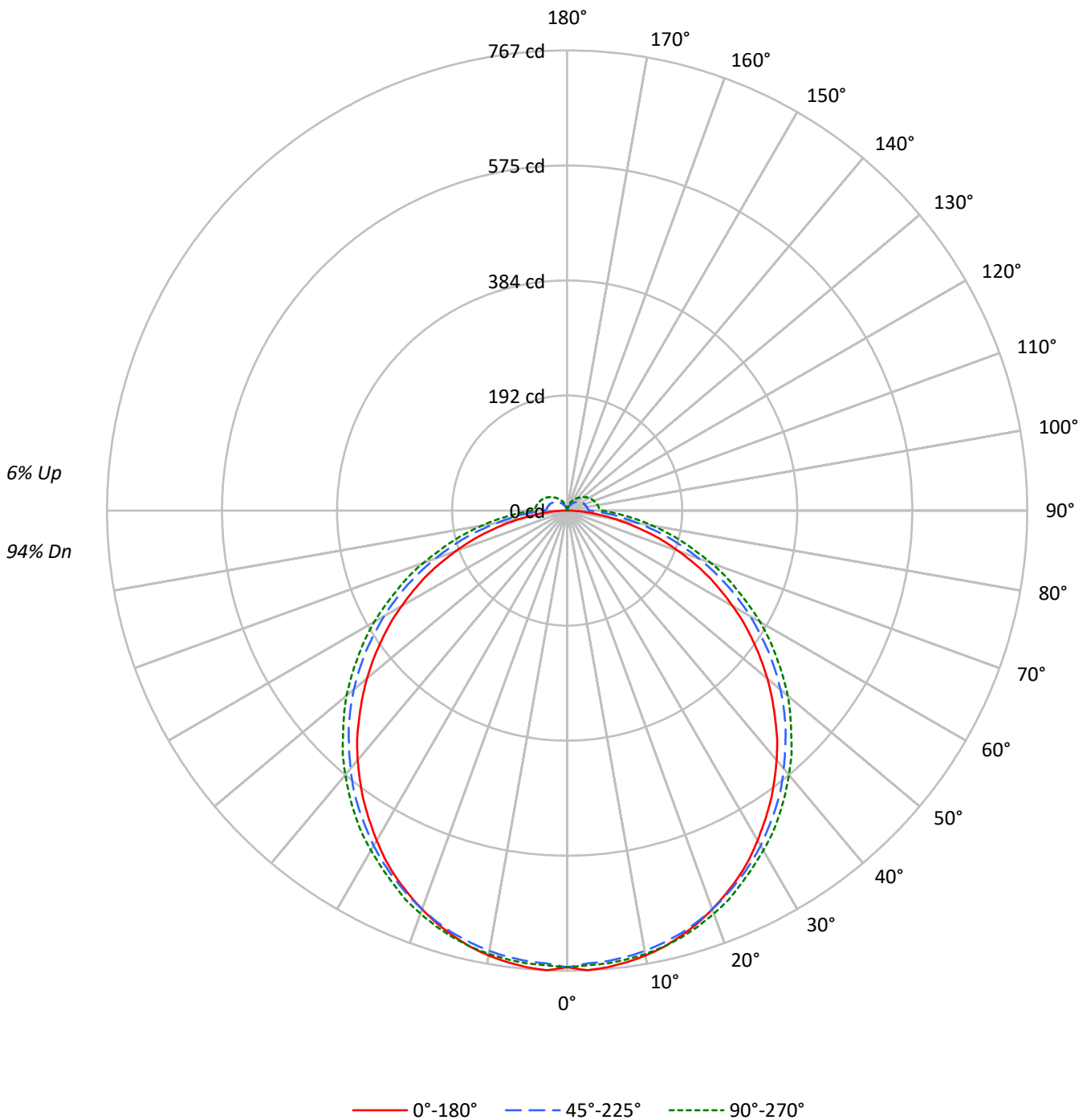
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2419.0 lumens
Efficiency: N/A
Efficacy: 138.2 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°	16387	16387	16387
5°	16484	16105	16141
10°	16402	15922	15938
15°	16264	15709	15711
20°	16080	15456	15441
25°	15872	15178	15124
30°	15592	14896	14832
35°	15314	14566	14528
40°	15003	14202	14184
45°	14617	13841	13784
50°	14239	13431	13417
55°	13770	12923	12909
60°	13244	12343	12409
65°	12678	11657	11720
70°	11734	10791	11005
75°	10581	9771	10148
80°	8881	8428	9203
85°	6663	7237	8086



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.2	3.0
10°-20°	207.2	8.6
20°-30°	313.9	13.0
30°-40°	379.0	15.7
40°-50°	395.7	16.4
50°-60°	363.6	15.0
60°-70°	287.5	11.9
70°-80°	181.9	7.5
80°-90°	78.2	3.2
90°-100°	34.4	1.4
100°-110°	30.8	1.3
110°-120°	26.0	1.1
120°-130°	20.3	0.8
130°-140°	14.0	0.6
140°-150°	8.4	0.3
150°-160°	4.1	0.2
160°-170°	1.4	0.1
170°-180°	0.2	0.0
0°-30°	593.3	24.5
0°-40°	972.2	40.2
0°-60°	1731.6	71.6
0°-90°	2279.2	94.2
90°-120°	91.2	3.8
90°-150°	134.0	5.5
90°-180°	140.0	5.8
0°-180°	2419.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	761	761	761	761	761	
5°	764	762	754	760	758	73
15°	734	734	730	738	736	207
25°	675	678	678	688	686	311
35°	591	598	606	615	617	370
45°	490	502	515	525	528	379
55°	378	393	410	423	426	338
65°	260	275	294	308	312	256
75°	137	153	176	191	198	145
85°	33	51	74	90	95	37
90°	2	18	38	53	58	3
95°	0	16	34	48	53	0
105°	0	15	32	45	50	0
115°	0	12	29	41	45	0
125°	1	11	24	35	39	1
135°	1	9	20	28	31	1
145°	1	6	14	21	23	1
155°	1	4	9	13	16	0
165°	1	3	5	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°	761.2	761.2	761.2	761.2	761.2
2.5°	766.8	764.2	755.6	761.6	758.6
5°	764.2	762.1	753.9	760.4	757.8
7.5°	759.5	757.8	750.5	757.4	754.8
10°	753.1	751.8	745.4	752.2	750.5
12.5°	744.9	744.5	738.1	745.8	744.5
15°	733.8	733.8	729.9	737.7	736.4
17.5°	721.8	722.2	719.2	727.4	726.5
20°	707.2	709.4	707.2	715.8	714.9
22.5°	691.4	694.4	693.5	702.1	702.5
25°	674.7	677.7	678.5	687.5	686.2
27.5°	656.3	661.0	662.7	670.8	670.4
30°	634.8	641.3	645.1	652.0	654.1
32.5°	613.0	620.7	625.4	634.8	637.4
35°	591.2	598.0	605.7	615.1	617.3
37.5°	567.2	574.9	585.2	594.1	596.7
40°	543.2	551.7	561.6	571.4	575.3
42.5°	518.3	527.3	538.0	549.6	553.5
45°	490.1	502.0	514.9	524.8	528.2
47.5°	463.1	476.3	490.1	500.8	504.6
50°	435.7	449.8	464.4	474.2	480.2
52.5°	407.0	422.4	436.9	449.4	453.2
55°	377.8	393.2	409.5	422.8	425.8
57.5°	349.6	364.5	380.8	393.2	399.2
60°	318.7	335.0	352.5	365.0	371.4
62.5°	288.7	304.6	323.4	336.7	341.8
65°	260.0	274.6	293.9	307.6	312.3
67.5°	228.3	245.0	263.4	279.3	285.3
70°	197.1	212.9	233.9	248.9	254.9
72.5°	167.9	183.3	204.3	219.3	224.9
75°	137.1	153.4	175.6	190.6	197.9
77.5°	107.5	125.5	146.9	163.2	171.3
80°	80.1	96.0	119.1	137.1	144.4
82.5°	54.4	71.5	95.5	112.2	120.4
85°	33.4	51.4	73.7	89.5	95.1
87.5°	15.8	33.0	53.5	69.0	75.8
90°	2.1	18.4	37.7	52.7	58.3
92.5°	0.4	15.8	34.7	48.8	54.0
95°	0.4	15.8	34.3	48.0	53.1
97.5°	0.4	15.4	33.8	47.5	52.3
100°	0.4	15.0	33.4	46.7	51.8
102.5°	0.4	15.0	32.6	45.8	50.5
105°	0.4	14.6	32.1	45.0	49.7
107.5°	0.4	14.1	31.3	44.1	48.8
110°	0.4	13.3	30.8	42.8	47.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.4	12.9	30.0	42.0	46.3
115°	0.4	12.4	29.1	40.7	45.0
117.5°	0.4	12.0	27.8	39.4	43.7
120°	0.9	12.0	27.0	38.1	42.0
122.5°	0.9	11.6	25.7	36.4	40.3
125°	0.9	11.1	24.4	35.1	39.0
127.5°	0.9	10.7	23.1	33.4	36.8
130°	0.9	9.9	22.3	31.7	35.1
132.5°	0.9	9.4	21.0	29.6	33.0
135°	0.9	8.6	19.7	27.8	31.3
137.5°	0.9	8.1	18.4	26.1	29.1
140°	0.9	7.7	16.7	24.4	27.4
142.5°	0.9	6.9	15.4	22.7	25.3
145°	0.9	6.4	13.7	21.0	23.1
147.5°	0.9	5.6	12.4	19.3	21.4
150°	0.9	5.1	11.1	17.6	19.7
152.5°	0.9	4.7	9.9	15.4	17.6
155°	0.9	4.3	9.0	13.3	15.8
157.5°	0.9	3.9	7.7	11.6	14.1
160°	1.3	3.4	6.9	9.9	12.0
162.5°	1.3	3.0	5.6	8.1	10.7
165°	1.3	3.0	4.7	6.4	9.0
167.5°	1.3	2.6	3.9	5.1	7.3
170°	1.3	2.1	3.4	3.9	5.6
172.5°	1.3	1.7	2.6	2.6	3.0
175°	1.3	1.7	2.1	2.1	1.3
177.5°	1.3	1.3	1.3	1.3	0.9
180°	1.3	1.3	1.3	1.3	1.3

(END OF REPORT)