

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: P565600

Luminaire Tested: **2SNX-25SL-FDL-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565600
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-L940-CD
Description: 2FT 2500 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

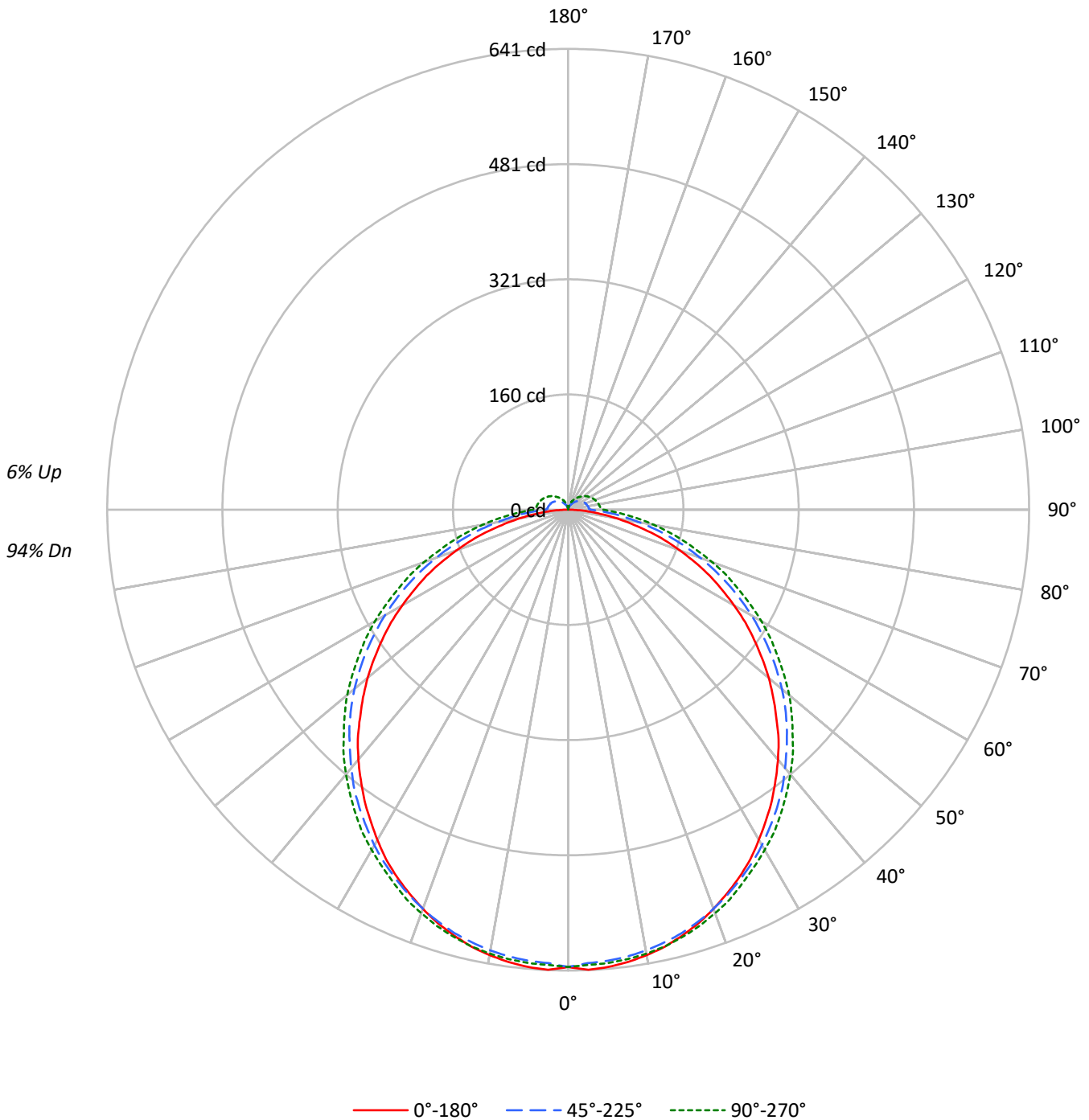
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2021.0 lumens
Efficiency: N/A
Efficacy: 115.5 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°	13692	13692	13692
5°	13773	13456	13485
10°	13704	13301	13315
15°	13588	13125	13125
20°	13435	12914	12901
25°	13261	12682	12636
30°	13028	12446	12393
35°	12793	12171	12137
40°	12534	11866	11849
45°	12210	11564	11516
50°	11896	11222	11210
55°	11507	10796	10784
60°	11066	10312	10367
65°	10591	9737	9791
70°	9800	9015	9192
75°	8837	8163	8477
80°	7417	7041	7686
85°	5566	6049	6760



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.3	3.0
10°-20°	173.1	8.6
20°-30°	262.3	13.0
30°-40°	316.6	15.7
40°-50°	330.6	16.4
50°-60°	303.7	15.0
60°-70°	240.2	11.9
70°-80°	152.0	7.5
80°-90°	65.3	3.2
90°-100°	28.8	1.4
100°-110°	25.7	1.3
110°-120°	21.8	1.1
120°-130°	16.9	0.8
130°-140°	11.7	0.6
140°-150°	7.0	0.3
150°-160°	3.4	0.2
160°-170°	1.2	0.1
170°-180°	0.2	0.0
0°-30°	495.7	24.5
0°-40°	812.3	40.2
0°-60°	1446.7	71.6
0°-90°	1904.2	94.2
90°-120°	76.3	3.8
90°-150°	112.0	5.5
90°-180°	117.0	5.8
0°-180°	2021.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	636	636	636	636	636	
5°	638	637	630	635	633	61
15°	613	613	610	616	615	173
25°	564	566	567	574	573	260
35°	494	500	506	514	516	309
45°	409	419	430	438	441	316
55°	316	328	342	353	356	282
65°	217	229	246	257	261	214
75°	114	128	147	159	165	121
85°	28	43	62	75	80	31
90°	2	15	32	44	49	2
95°	0	13	29	40	44	0
105°	0	12	27	38	42	0
115°	0	10	24	34	38	0
125°	1	9	20	29	33	1
135°	1	7	16	23	26	1
145°	1	5	12	18	19	0
155°	1	4	8	11	13	0
165°	1	2	4	5	8	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°	636.0	636.0	636.0	636.0	636.0
2.5°	640.6	638.5	631.3	636.3	633.8
5°	638.5	636.7	629.9	635.3	633.1
7.5°	634.5	633.1	627.0	632.7	630.6
10°	629.2	628.1	622.7	628.5	627.0
12.5°	622.4	622.0	616.6	623.1	622.0
15°	613.1	613.1	609.8	616.3	615.2
17.5°	603.0	603.4	600.9	607.7	607.0
20°	590.9	592.7	590.9	598.0	597.3
22.5°	577.6	580.1	579.4	586.6	586.9
25°	563.7	566.2	566.9	574.4	573.3
27.5°	548.3	552.2	553.7	560.5	560.1
30°	530.4	535.8	539.0	544.7	546.5
32.5°	512.1	518.6	522.5	530.4	532.5
35°	493.9	499.6	506.1	513.9	515.7
37.5°	473.8	480.3	488.9	496.4	498.5
40°	453.8	461.0	469.2	477.4	480.6
42.5°	433.0	440.6	449.5	459.2	462.4
45°	409.4	419.4	430.2	438.4	441.3
47.5°	386.9	398.0	409.4	418.4	421.6
50°	364.0	375.8	388.0	396.2	401.2
52.5°	340.0	352.9	365.0	375.4	378.6
55°	315.7	328.5	342.1	353.2	355.7
57.5°	292.0	304.6	318.2	328.5	333.6
60°	266.3	279.9	294.5	304.9	310.3
62.5°	241.2	254.5	270.2	281.3	285.6
65°	217.2	229.4	245.5	257.0	260.9
67.5°	190.8	204.7	220.1	233.3	238.4
70°	164.6	177.9	195.4	207.9	212.9
72.5°	140.3	153.2	170.7	183.2	187.9
75°	114.5	128.1	146.7	159.3	165.3
77.5°	89.8	104.9	122.8	136.4	143.2
80°	66.9	80.2	99.5	114.5	120.6
82.5°	45.5	59.8	79.8	93.8	100.6
85°	27.9	42.9	61.6	74.8	79.5
87.5°	13.2	27.6	44.7	57.6	63.3
90°	1.8	15.4	31.5	44.0	48.7
92.5°	0.4	13.2	29.0	40.8	45.1
95°	0.4	13.2	28.6	40.1	44.4
97.5°	0.4	12.9	28.3	39.7	43.7
100°	0.4	12.5	27.9	39.0	43.3
102.5°	0.4	12.5	27.2	38.3	42.2
105°	0.4	12.2	26.8	37.6	41.5
107.5°	0.4	11.8	26.1	36.9	40.8
110°	0.4	11.1	25.8	35.8	39.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.4	10.7	25.1	35.1	38.7
115°	0.4	10.4	24.3	34.0	37.6
117.5°	0.4	10.0	23.3	32.9	36.5
120°	0.7	10.0	22.5	31.9	35.1
122.5°	0.7	9.7	21.5	30.4	33.6
125°	0.7	9.3	20.4	29.3	32.6
127.5°	0.7	8.9	19.3	27.9	30.8
130°	0.7	8.2	18.6	26.5	29.3
132.5°	0.7	7.9	17.5	24.7	27.6
135°	0.7	7.2	16.5	23.3	26.1
137.5°	0.7	6.8	15.4	21.8	24.3
140°	0.7	6.4	14.0	20.4	22.9
142.5°	0.7	5.7	12.9	19.0	21.1
145°	0.7	5.4	11.5	17.5	19.3
147.5°	0.7	4.7	10.4	16.1	17.9
150°	0.7	4.3	9.3	14.7	16.5
152.5°	0.7	3.9	8.2	12.9	14.7
155°	0.7	3.6	7.5	11.1	13.2
157.5°	0.7	3.2	6.4	9.7	11.8
160°	1.1	2.9	5.7	8.2	10.0
162.5°	1.1	2.5	4.7	6.8	8.9
165°	1.1	2.5	3.9	5.4	7.5
167.5°	1.1	2.1	3.2	4.3	6.1
170°	1.1	1.8	2.9	3.2	4.7
172.5°	1.1	1.4	2.1	2.1	2.5
175°	1.1	1.4	1.8	1.8	1.1
177.5°	1.1	1.1	1.1	1.1	0.7
180°	1.1	1.1	1.1	1.1	1.1

(END OF REPORT)