

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: P565596

Luminaire Tested: **2SNX-25SL-FDL-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565596
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-L840-CD
Description: 2FT 2500 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

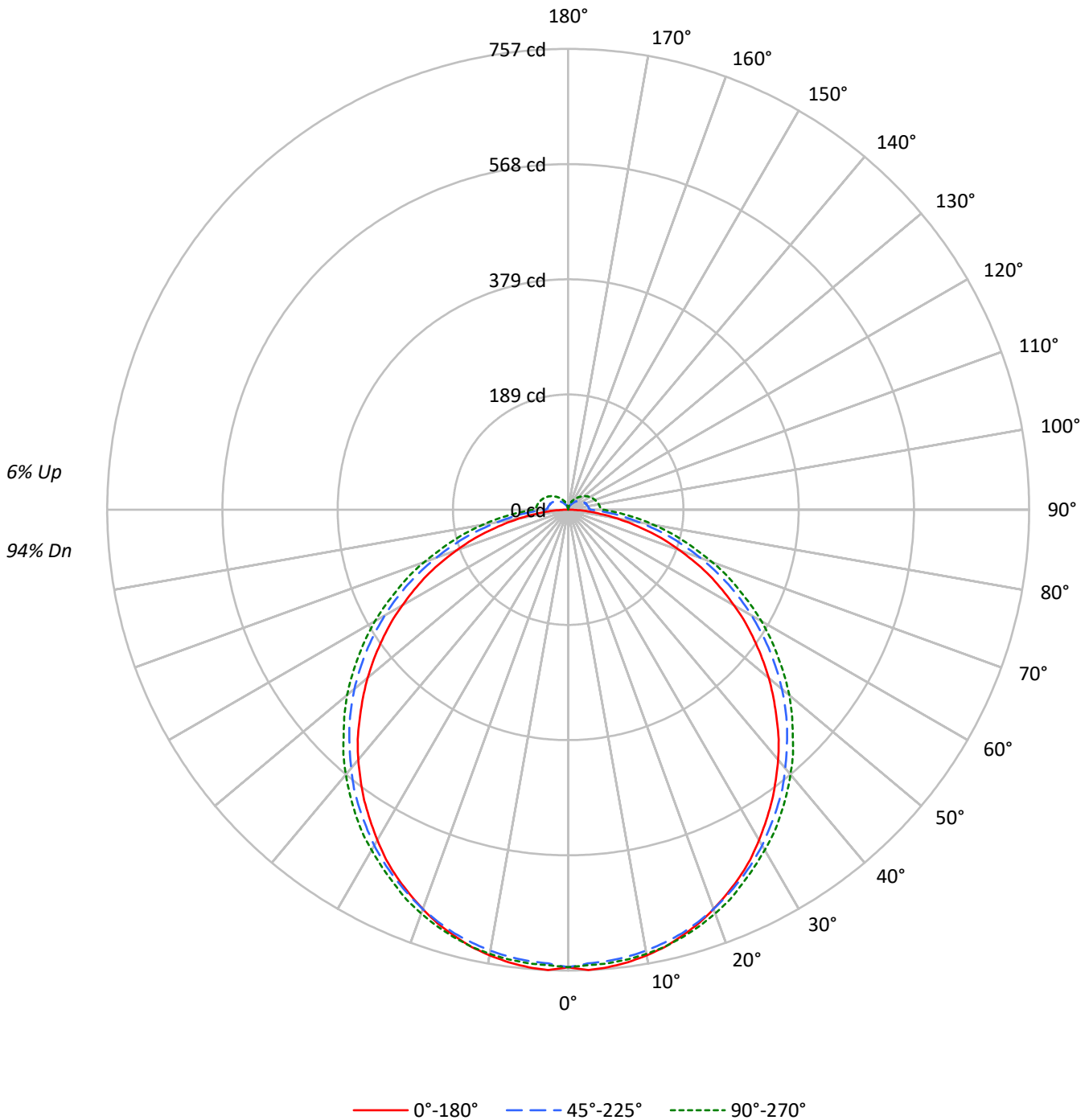
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2388.0 lumens
Efficiency: N/A
Efficacy: 136.5 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°	16178	16178	16178
5°	16273	15900	15934
10°	16191	15717	15734
15°	16055	15509	15508
20°	15875	15259	15245
25°	15668	14984	14932
30°	15393	14706	14642
35°	15117	14381	14342
40°	14810	14020	14001
45°	14429	13664	13606
50°	14056	13258	13244
55°	13595	12759	12742
60°	13074	12185	12248
65°	12517	11506	11569
70°	11580	10653	10862
75°	10442	9649	10020
80°	8770	8322	9082
85°	6583	7139	7984



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.3	3.0
10°-20°	204.5	8.6
20°-30°	309.9	13.0
30°-40°	374.1	15.7
40°-50°	390.7	16.4
50°-60°	358.9	15.0
60°-70°	283.8	11.9
70°-80°	179.6	7.5
80°-90°	77.2	3.2
90°-100°	34.0	1.4
100°-110°	30.4	1.3
110°-120°	25.7	1.1
120°-130°	20.0	0.8
130°-140°	13.9	0.6
140°-150°	8.3	0.3
150°-160°	4.1	0.2
160°-170°	1.4	0.1
170°-180°	0.2	0.0
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0°-30°	585.7	24.5
0°-40°	959.8	40.2
0°-60°	1709.4	71.6
0°-90°	2250.0	94.2
90°-120°	90.1	3.8
90°-150°	132.3	5.5
90°-180°	138.0	5.8
0°-180°	2388.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	752	752	752	752	752	
5°	754	752	744	751	748	72
15°	724	724	721	728	727	204
25°	666	669	670	679	678	307
35°	584	590	598	607	609	365
45°	484	496	508	518	521	374
55°	373	388	404	417	420	334
65°	257	271	290	304	308	253
75°	135	151	173	188	195	143
85°	33	51	73	88	94	36
90°	2	18	37	52	58	3
95°	0	16	34	47	52	0
105°	0	14	32	44	49	0
115°	0	12	29	40	44	0
125°	1	11	24	35	38	1
135°	1	8	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°	751.5	751.5	751.5	751.5	751.5
2.5°	757.0	754.4	746.0	751.9	748.9
5°	754.4	752.3	744.3	750.6	748.1
7.5°	749.8	748.1	740.9	747.7	745.1
10°	743.4	742.2	735.8	742.6	740.9
12.5°	735.4	735.0	728.6	736.2	735.0
15°	724.4	724.4	720.6	728.2	726.9
17.5°	712.6	713.0	710.0	718.1	717.2
20°	698.2	700.3	698.2	706.6	705.8
22.5°	682.5	685.5	684.6	693.1	693.5
25°	666.0	669.0	669.8	678.7	677.5
27.5°	647.9	652.5	654.2	662.2	661.8
30°	626.7	633.1	636.9	643.6	645.7
32.5°	605.1	612.8	617.4	626.7	629.2
35°	583.6	590.3	598.0	607.3	609.4
37.5°	559.9	567.5	577.7	586.5	589.1
40°	536.2	544.7	554.4	564.1	567.9
42.5°	511.7	520.6	531.1	542.6	546.4
45°	483.8	495.6	508.3	518.0	521.4
47.5°	457.1	470.2	483.8	494.3	498.2
50°	430.1	444.0	458.4	468.1	474.0
52.5°	401.7	417.0	431.3	443.6	447.4
55°	373.0	388.2	404.3	417.4	420.3
57.5°	345.1	359.9	375.9	388.2	394.1
60°	314.6	330.7	348.0	360.3	366.6
62.5°	285.0	300.7	319.3	332.4	337.5
65°	256.7	271.1	290.1	303.6	308.3
67.5°	225.4	241.9	260.1	275.7	281.6
70°	194.5	210.2	230.9	245.7	251.6
72.5°	165.8	181.0	201.7	216.5	222.0
75°	135.3	151.4	173.4	188.2	195.4
77.5°	106.1	123.9	145.0	161.1	169.2
80°	79.1	94.7	117.6	135.3	142.5
82.5°	53.7	70.6	94.3	110.8	118.8
85°	33.0	50.7	72.7	88.4	93.9
87.5°	15.6	32.6	52.9	68.1	74.8
90°	2.1	18.2	37.2	52.0	57.5
92.5°	0.4	15.6	34.3	48.2	53.3
95°	0.4	15.6	33.8	47.4	52.4
97.5°	0.4	15.2	33.4	46.9	51.6
100°	0.4	14.8	33.0	46.1	51.2
102.5°	0.4	14.8	32.1	45.2	49.9
105°	0.4	14.4	31.7	44.4	49.1
107.5°	0.4	14.0	30.9	43.6	48.2
110°	0.4	13.1	30.4	42.3	46.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.4	12.7	29.6	41.4	45.7
115°	0.4	12.3	28.8	40.2	44.4
117.5°	0.4	11.8	27.5	38.9	43.1
120°	0.8	11.8	26.6	37.6	41.4
122.5°	0.8	11.4	25.4	35.9	39.8
125°	0.8	11.0	24.1	34.7	38.5
127.5°	0.8	10.6	22.8	33.0	36.4
130°	0.8	9.7	22.0	31.3	34.7
132.5°	0.8	9.3	20.7	29.2	32.6
135°	0.8	8.5	19.5	27.5	30.9
137.5°	0.8	8.0	18.2	25.8	28.8
140°	0.8	7.6	16.5	24.1	27.1
142.5°	0.8	6.8	15.2	22.4	24.9
145°	0.8	6.3	13.5	20.7	22.8
147.5°	0.8	5.5	12.3	19.0	21.1
150°	0.8	5.1	11.0	17.3	19.5
152.5°	0.8	4.7	9.7	15.2	17.3
155°	0.8	4.2	8.9	13.1	15.6
157.5°	0.8	3.8	7.6	11.4	14.0
160°	1.3	3.4	6.8	9.7	11.8
162.5°	1.3	3.0	5.5	8.0	10.6
165°	1.3	3.0	4.7	6.3	8.9
167.5°	1.3	2.5	3.8	5.1	7.2
170°	1.3	2.1	3.4	3.8	5.5
172.5°	1.3	1.7	2.5	2.5	3.0
175°	1.3	1.7	2.1	2.1	1.3
177.5°	1.3	1.3	1.3	1.3	0.8
180°	1.3	1.3	1.3	1.3	1.3

(END OF REPORT)