

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: P565620

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565620
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2SNX-25SL-LW-UNV-L840-CD
Description: 2FT 2500 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

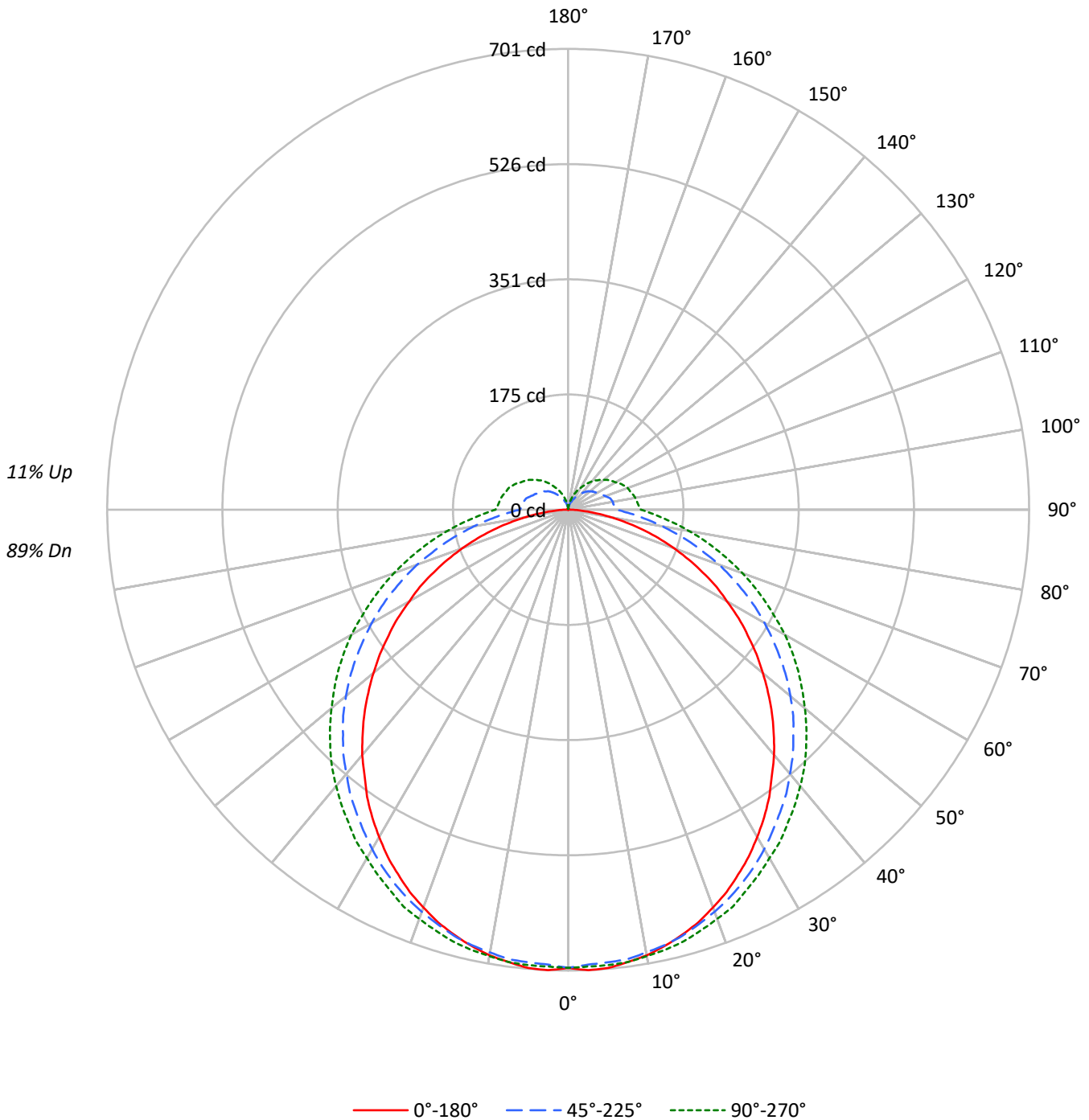
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2481.0 lumens
Efficiency: N/A
Efficacy: 141.8 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.17')
CIE Type: Semi-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

TEST NUMBER: P565620
CATALOG NUMBER: 2SNX-25SL-LW-UNV-L840-CD

Luminous Intensity Polar Plot





TEST NUMBER: P565620

CATALOG NUMBER: 2SNX-25SL-LW-UNV-L840-CD

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	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89
1	105	100	95	90	101	96	92	88	90	86	83	84	81	79	79	76	74	71
2	95	86	79	73	91	83	77	71	78	72	68	73	68	64	68	65	61	58
3	86	75	67	60	83	73	65	59	68	61	56	64	58	54	60	55	51	49
4	79	66	57	50	75	64	56	49	60	53	47	57	50	46	53	48	44	41
5	72	59	50	43	69	57	49	42	54	46	41	51	44	39	48	42	38	35
6	67	53	44	37	64	51	43	37	48	41	35	46	39	34	43	38	33	31
7	62	48	39	33	59	47	38	32	44	37	31	42	35	30	39	34	29	27
8	57	44	35	29	55	42	34	29	40	33	28	38	32	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	28	24	22
10	50	37	29	24	48	36	28	23	34	27	23	32	26	22	31	25	21	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	15003	15003	15003
5°	15013	14275	14201
10°	14828	13674	13491
15°	14598	13096	12853
20°	14315	12499	12212
25°	13996	11931	11586
30°	13633	11348	10987
35°	13238	10766	10428
40°	12794	10200	9892
45°	12318	9635	9345
50°	11775	9052	8770
55°	11182	8408	8206
60°	10490	7740	7609
65°	9750	7021	6929
70°	8758	6258	6259
75°	7474	5377	5551
80°	5565	4488	4844
85°	3276	3669	4118



TEST NUMBER: P565620

CATALOG NUMBER: 2SNX-25SL-LW-UNV-L840-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.2	2.7
10°-20°	190.3	7.7
20°-30°	289.3	11.7
30°-40°	351.2	14.2
40°-50°	371.1	15.0
50°-60°	347.3	14.0
60°-70°	284.9	11.5
70°-80°	196.0	7.9
80°-90°	107.3	4.3
90°-100°	69.1	2.8
100°-110°	62.0	2.5
110°-120°	51.3	2.1
120°-130°	39.5	1.6
130°-140°	27.8	1.1
140°-150°	16.7	0.7
150°-160°	8.0	0.3
160°-170°	2.6	0.1
170°-180°	0.3	0.0
0°-30°	545.8	22.0
0°-40°	896.9	36.2
0°-60°	1615.3	65.1
0°-90°	2203.6	88.8
90°-120°	182.4	7.4
90°-150°	266.5	10.7
90°-180°	277.0	11.2
0°-180°	2481.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	697	697	697	697	697	
5°	700	698	691	697	696	66
15°	670	672	671	680	680	189
25°	612	619	626	639	639	282
35°	533	546	562	578	582	333
45°	438	458	484	506	512	338
55°	333	361	394	418	427	298
65°	226	256	295	322	330	223
75°	118	149	193	223	233	124
85°	26	62	105	134	144	30
90°	0	34	73	101	111	2
95°	0	33	70	96	106	0
105°	0	27	66	90	99	1
115°	1	24	56	80	90	1
125°	1	20	47	69	78	1
135°	1	16	39	56	63	1
145°	1	12	27	43	47	1
155°	1	7	17	27	32	1
165°	1	4	9	13	16	0
175°	1	1	3	3	1	0
180°	1	1	1	1	1	



TEST NUMBER: P565620

CATALOG NUMBER: 2SNX-25SL-LW-UNV-L840-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	696.9	696.9	696.9	696.9	696.9
2.5°	701.2	699.8	692.6	698.4	695.5
5°	699.8	698.4	691.2	696.9	695.5
7.5°	694.0	694.0	689.7	695.5	694.0
10°	688.3	688.3	684.0	691.2	689.7
12.5°	679.7	681.1	678.2	686.9	685.4
15°	669.6	672.5	671.1	679.7	679.7
17.5°	658.1	661.0	661.0	671.1	671.1
20°	643.8	648.1	650.9	662.4	662.4
22.5°	629.4	635.1	639.4	649.5	653.8
25°	612.1	619.3	626.5	639.4	639.4
27.5°	594.9	603.5	612.1	625.1	626.5
30°	574.8	584.8	596.3	609.3	612.1
32.5°	554.7	567.6	579.1	594.9	599.2
35°	533.1	546.0	561.8	577.7	582.0
37.5°	508.7	524.5	544.6	561.8	566.2
40°	487.1	504.4	524.5	544.6	548.9
42.5°	462.7	481.4	505.8	524.5	531.7
45°	438.3	458.4	484.3	505.8	511.6
47.5°	412.4	435.4	464.1	484.3	491.4
50°	386.5	411.0	441.1	464.1	469.9
52.5°	360.7	386.5	418.2	441.1	448.3
55°	333.4	360.7	393.7	418.2	426.8
57.5°	307.5	334.8	369.3	395.2	403.8
60°	278.8	310.4	344.9	370.7	380.8
62.5°	254.3	283.1	320.4	346.3	354.9
65°	225.6	255.8	294.6	321.9	330.5
67.5°	198.3	229.9	268.7	297.4	306.1
70°	171.0	202.6	244.3	271.6	281.6
72.5°	143.7	176.7	217.0	247.2	257.2
75°	117.8	149.4	192.6	222.7	232.8
77.5°	90.5	125.0	168.1	198.3	209.8
80°	66.1	102.0	145.1	175.3	186.8
82.5°	44.5	80.5	123.6	153.8	165.2
85°	25.9	61.8	104.9	133.6	143.7
87.5°	12.9	47.4	87.7	116.4	126.5
90°	0.0	34.5	73.3	100.6	110.6
92.5°	0.0	33.0	71.8	97.7	107.8
95°	0.0	33.0	70.4	96.3	106.3
97.5°	0.0	31.6	69.0	96.3	104.9
100°	0.0	30.2	69.0	94.8	103.5
102.5°	0.0	28.7	67.5	93.4	102.0
105°	0.0	27.3	66.1	90.5	99.1
107.5°	1.4	27.3	63.2	89.1	97.7
110°	1.4	25.9	60.4	87.7	96.3



TEST NUMBER: P565620

CATALOG NUMBER: 2SNX-25SL-LW-UNV-L840-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.4	24.4	57.5	84.8	93.4
115°	1.4	24.4	56.0	80.5	90.5
117.5°	1.4	23.0	53.2	77.6	87.7
120°	1.4	23.0	51.7	74.7	83.3
122.5°	1.4	21.6	48.9	71.8	80.5
125°	1.4	20.1	47.4	69.0	77.6
127.5°	1.4	18.7	46.0	66.1	74.7
130°	1.4	17.2	43.1	63.2	70.4
132.5°	1.4	17.2	41.7	58.9	67.5
135°	1.4	15.8	38.8	56.0	63.2
137.5°	1.4	14.4	35.9	53.2	60.4
140°	1.4	12.9	33.0	50.3	56.0
142.5°	1.4	12.9	30.2	46.0	51.7
145°	1.4	11.5	27.3	43.1	47.4
147.5°	1.4	10.1	24.4	38.8	43.1
150°	1.4	10.1	21.6	34.5	38.8
152.5°	1.4	8.6	18.7	31.6	35.9
155°	1.4	7.2	17.2	27.3	31.6
157.5°	1.4	7.2	14.4	23.0	27.3
160°	1.4	5.7	12.9	18.7	23.0
162.5°	1.4	5.7	11.5	15.8	20.1
165°	1.4	4.3	8.6	12.9	15.8
167.5°	1.4	4.3	7.2	10.1	12.9
170°	1.4	2.9	5.7	7.2	10.1
172.5°	1.4	2.9	4.3	4.3	4.3
175°	1.4	1.4	2.9	2.9	1.4
177.5°	1.4	1.4	1.4	1.4	1.4
180°	1.4	1.4	1.4	1.4	1.4

(END OF REPORT)