

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: P565623

Luminaire Tested: **2SNX-25SL-LW-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565623
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-L935-CD
Description: 2FT 2500 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

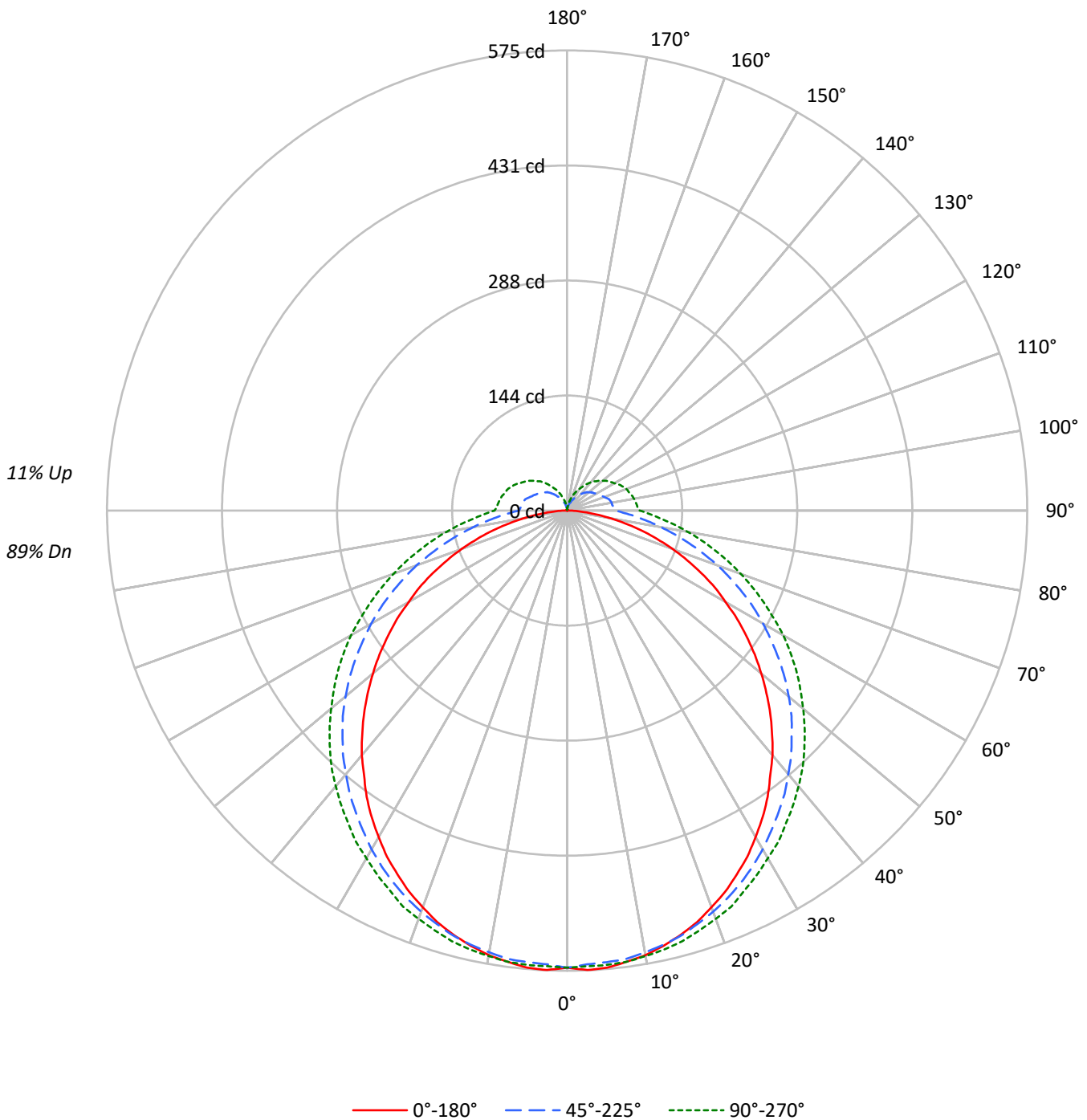
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2033.0 lumens
Efficiency: N/A
Efficacy: 116.2 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 (Ain): 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	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	76	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°	12295	12295	12295
5°	12302	11697	11637
10°	12150	11205	11056
15°	11962	10731	10531
20°	11729	10243	10007
25°	11469	9777	9495
30°	11171	9300	9003
35°	10846	8823	8545
40°	10485	8359	8106
45°	10092	7894	7657
50°	9648	7418	7185
55°	9163	6890	6724
60°	8594	6342	6234
65°	7991	5753	5677
70°	7175	5128	5130
75°	6129	4406	4550
80°	4563	3678	3970
85°	2682	3008	3373



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.2	2.7
10°-20°	155.9	7.7
20°-30°	237.1	11.7
30°-40°	287.8	14.2
40°-50°	304.1	15.0
50°-60°	284.5	14.0
60°-70°	233.5	11.5
70°-80°	160.6	7.9
80°-90°	88.0	4.3
90°-100°	56.6	2.8
100°-110°	50.8	2.5
110°-120°	42.1	2.1
120°-130°	32.4	1.6
130°-140°	22.8	1.1
140°-150°	13.7	0.7
150°-160°	6.6	0.3
160°-170°	2.2	0.1
170°-180°	0.3	0.0
0°-30°	447.2	22.0
0°-40°	735.0	36.2
0°-60°	1323.6	65.1
0°-90°	1805.7	88.8
90°-120°	149.5	7.4
90°-150°	218.4	10.7
90°-180°	227.0	11.2
0°-180°	2033.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	571	571	571	571	571	
5°	573	572	566	571	570	54
15°	549	551	550	557	557	155
25°	502	508	513	524	524	231
35°	437	447	460	473	477	273
45°	359	376	397	414	419	277
55°	273	296	323	343	350	244
65°	185	210	241	264	271	183
75°	97	122	158	182	191	102
85°	21	51	86	110	118	24
90°	0	28	60	82	91	1
95°	0	27	58	79	87	0
105°	0	22	54	74	81	1
115°	1	20	46	66	74	1
125°	1	16	39	56	64	1
135°	1	13	32	46	52	1
145°	1	9	22	35	39	1
155°	1	6	14	22	26	1
165°	1	4	7	11	13	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°	571.1	571.1	571.1	571.1	571.1
2.5°	574.6	573.4	567.5	572.3	569.9
5°	573.4	572.3	566.4	571.1	569.9
7.5°	568.7	568.7	565.2	569.9	568.7
10°	564.0	564.0	560.5	566.4	565.2
12.5°	556.9	558.1	555.8	562.8	561.7
15°	548.7	551.1	549.9	556.9	556.9
17.5°	539.3	541.6	541.6	549.9	549.9
20°	527.5	531.0	533.4	542.8	542.8
22.5°	515.7	520.4	524.0	532.2	535.8
25°	501.6	507.5	513.4	524.0	524.0
27.5°	487.5	494.5	501.6	512.2	513.4
30°	471.0	479.2	488.7	499.2	501.6
32.5°	454.5	465.1	474.5	487.5	491.0
35°	436.8	447.4	460.4	473.3	476.9
37.5°	416.8	429.8	446.3	460.4	463.9
40°	399.2	413.3	429.8	446.3	449.8
42.5°	379.1	394.5	414.5	429.8	435.7
45°	359.1	375.6	396.8	414.5	419.2
47.5°	337.9	356.8	380.3	396.8	402.7
50°	316.7	336.8	361.5	380.3	385.0
52.5°	295.5	316.7	342.6	361.5	367.4
55°	273.2	295.5	322.6	342.6	349.7
57.5°	252.0	274.4	302.6	323.8	330.9
60°	228.4	254.3	282.6	303.8	312.0
62.5°	208.4	232.0	262.6	283.8	290.8
65°	184.9	209.6	241.4	263.8	270.8
67.5°	162.5	188.4	220.2	243.7	250.8
70°	140.1	166.0	200.2	222.5	230.8
72.5°	117.7	144.8	177.8	202.5	210.8
75°	96.6	122.5	157.8	182.5	190.8
77.5°	74.2	102.4	137.8	162.5	171.9
80°	54.2	83.6	118.9	143.7	153.1
82.5°	36.5	65.9	101.3	126.0	135.4
85°	21.2	50.6	86.0	109.5	117.7
87.5°	10.6	38.9	71.8	95.4	103.6
90°	0.0	28.3	60.1	82.4	90.7
92.5°	0.0	27.1	58.9	80.1	88.3
95°	0.0	27.1	57.7	78.9	87.1
97.5°	0.0	25.9	56.5	78.9	86.0
100°	0.0	24.7	56.5	77.7	84.8
102.5°	0.0	23.5	55.3	76.5	83.6
105°	0.0	22.4	54.2	74.2	81.2
107.5°	1.2	22.4	51.8	73.0	80.1
110°	1.2	21.2	49.5	71.8	78.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.2	20.0	47.1	69.5	76.5
115°	1.2	20.0	45.9	65.9	74.2
117.5°	1.2	18.8	43.6	63.6	71.8
120°	1.2	18.8	42.4	61.2	68.3
122.5°	1.2	17.7	40.0	58.9	65.9
125°	1.2	16.5	38.9	56.5	63.6
127.5°	1.2	15.3	37.7	54.2	61.2
130°	1.2	14.1	35.3	51.8	57.7
132.5°	1.2	14.1	34.1	48.3	55.3
135°	1.2	13.0	31.8	45.9	51.8
137.5°	1.2	11.8	29.4	43.6	49.5
140°	1.2	10.6	27.1	41.2	45.9
142.5°	1.2	10.6	24.7	37.7	42.4
145°	1.2	9.4	22.4	35.3	38.9
147.5°	1.2	8.2	20.0	31.8	35.3
150°	1.2	8.2	17.7	28.3	31.8
152.5°	1.2	7.1	15.3	25.9	29.4
155°	1.2	5.9	14.1	22.4	25.9
157.5°	1.2	5.9	11.8	18.8	22.4
160°	1.2	4.7	10.6	15.3	18.8
162.5°	1.2	4.7	9.4	13.0	16.5
165°	1.2	3.5	7.1	10.6	13.0
167.5°	1.2	3.5	5.9	8.2	10.6
170°	1.2	2.4	4.7	5.9	8.2
172.5°	1.2	2.4	3.5	3.5	3.5
175°	1.2	1.2	2.4	2.4	1.2
177.5°	1.2	1.2	1.2	1.2	1.2
180°	1.2	1.2	1.2	1.2	1.2

(END OF REPORT)