

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: P565618

Luminaire Tested: **2SNX-25SL-LW-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565618
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-L830-CD
Description: 2FT 2500 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

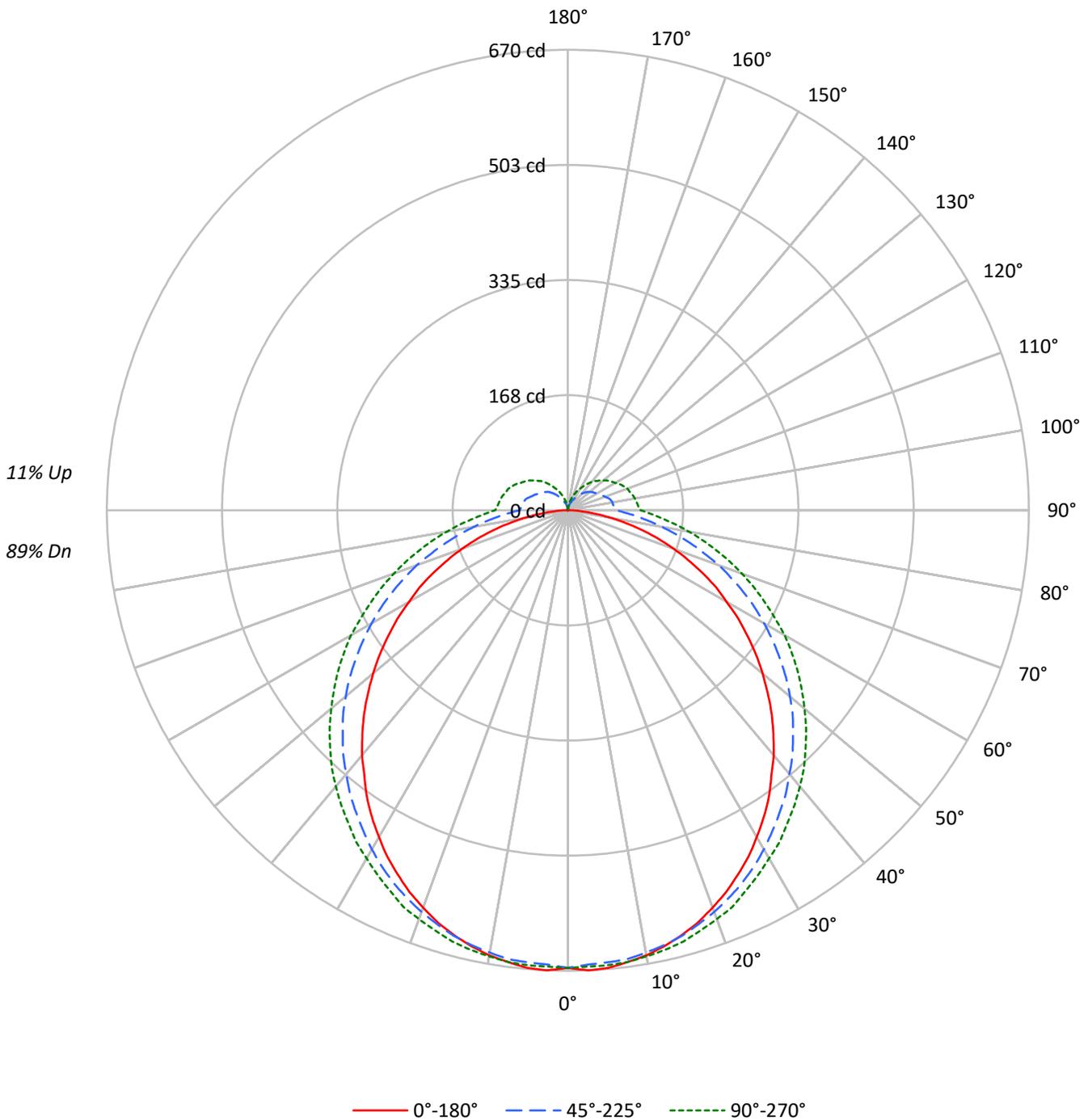
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2370.0 lumens
Efficiency: N/A
Efficacy: 135.4 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

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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°	14331	14331	14331
5°	14342	13634	13566
10°	14165	13062	12888
15°	13946	12509	12278
20°	13675	11940	11666
25°	13371	11398	11068
30°	13023	10842	10497
35°	12647	10285	9960
40°	12222	9743	9450
45°	11767	9203	8927
50°	11248	8648	8378
55°	10683	8032	7839
60°	10020	7392	7269
65°	9313	6707	6619
70°	8364	5979	5979
75°	7144	5134	5303
80°	5312	4287	4626
85°	3125	3505	3934



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.2	2.7
10°-20°	181.8	7.7
20°-30°	276.4	11.7
30°-40°	335.5	14.2
40°-50°	354.5	15.0
50°-60°	331.7	14.0
60°-70°	272.2	11.5
70°-80°	187.2	7.9
80°-90°	102.5	4.3
90°-100°	66.0	2.8
100°-110°	59.2	2.5
110°-120°	49.0	2.1
120°-130°	37.8	1.6
130°-140°	26.5	1.1
140°-150°	16.0	0.7
150°-160°	7.7	0.3
160°-170°	2.5	0.1
170°-180°	0.3	0.0
0°-30°	521.3	22.0
0°-40°	856.8	36.2
0°-60°	1543.0	65.1
0°-90°	2105.0	88.8
90°-120°	174.3	7.4
90°-150°	254.6	10.7
90°-180°	265.0	11.2
0°-180°	2370.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	666	666	666	666	666	
5°	668	667	660	666	664	63
15°	640	642	641	649	649	180
25°	585	592	598	611	611	269
35°	509	522	537	552	556	318
45°	419	438	463	483	489	323
55°	318	344	376	399	408	285
65°	216	244	281	308	316	213
75°	113	143	184	213	222	119
85°	25	59	100	128	137	29
90°	0	33	70	96	106	2
95°	0	32	67	92	102	0
105°	0	26	63	86	95	1
115°	1	23	54	77	86	1
125°	1	19	45	66	74	1
135°	1	15	37	54	60	1
145°	1	11	26	41	45	1
155°	1	7	16	26	30	1
165°	1	4	8	12	15	0
175°	1	1	3	3	1	0
180°	1	1	1	1	1	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	665.7	665.7	665.7	665.7	665.7
2.5°	669.9	668.5	661.6	667.1	664.4
5°	668.5	667.1	660.2	665.7	664.4
7.5°	663.0	663.0	658.9	664.4	663.0
10°	657.5	657.5	653.4	660.2	658.9
12.5°	649.3	650.6	647.9	656.1	654.8
15°	639.7	642.4	641.0	649.3	649.3
17.5°	628.7	631.4	631.4	641.0	641.0
20°	615.0	619.1	621.8	632.8	632.8
22.5°	601.2	606.7	610.8	620.4	624.6
25°	584.8	591.6	598.5	610.8	610.8
27.5°	568.3	576.5	584.8	597.1	598.5
30°	549.1	558.7	569.7	582.0	584.8
32.5°	529.8	542.2	553.2	568.3	572.4
35°	509.3	521.6	536.7	551.8	555.9
37.5°	485.9	501.0	520.2	536.7	540.8
40°	465.3	481.8	501.0	520.2	524.4
42.5°	442.0	459.8	483.2	501.0	507.9
45°	418.7	437.9	462.6	483.2	488.7
47.5°	394.0	415.9	443.4	462.6	469.4
50°	369.2	392.6	421.4	443.4	448.9
52.5°	344.5	369.2	399.4	421.4	428.3
55°	318.5	344.5	376.1	399.4	407.7
57.5°	293.7	319.8	352.8	377.5	385.7
60°	266.3	296.5	329.4	354.1	363.8
62.5°	243.0	270.4	306.1	330.8	339.0
65°	215.5	244.3	281.4	307.5	315.7
67.5°	189.4	219.6	256.7	284.1	292.4
70°	163.3	193.5	233.4	259.4	269.0
72.5°	137.3	168.8	207.3	236.1	245.7
75°	112.6	142.8	183.9	212.8	222.4
77.5°	86.5	119.4	160.6	189.4	200.4
80°	63.1	97.5	138.6	167.5	178.4
82.5°	42.6	76.9	118.0	146.9	157.9
85°	24.7	59.0	100.2	127.7	137.3
87.5°	12.4	45.3	83.7	111.2	120.8
90°	0.0	32.9	70.0	96.1	105.7
92.5°	0.0	31.6	68.6	93.3	102.9
95°	0.0	31.6	67.3	92.0	101.6
97.5°	0.0	30.2	65.9	92.0	100.2
100°	0.0	28.8	65.9	90.6	98.8
102.5°	0.0	27.5	64.5	89.2	97.5
105°	0.0	26.1	63.1	86.5	94.7
107.5°	1.4	26.1	60.4	85.1	93.3
110°	1.4	24.7	57.7	83.7	92.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.4	23.3	54.9	81.0	89.2
115°	1.4	23.3	53.5	76.9	86.5
117.5°	1.4	22.0	50.8	74.1	83.7
120°	1.4	22.0	49.4	71.4	79.6
122.5°	1.4	20.6	46.7	68.6	76.9
125°	1.4	19.2	45.3	65.9	74.1
127.5°	1.4	17.8	43.9	63.1	71.4
130°	1.4	16.5	41.2	60.4	67.3
132.5°	1.4	16.5	39.8	56.3	64.5
135°	1.4	15.1	37.1	53.5	60.4
137.5°	1.4	13.7	34.3	50.8	57.7
140°	1.4	12.4	31.6	48.0	53.5
142.5°	1.4	12.4	28.8	43.9	49.4
145°	1.4	11.0	26.1	41.2	45.3
147.5°	1.4	9.6	23.3	37.1	41.2
150°	1.4	9.6	20.6	32.9	37.1
152.5°	1.4	8.2	17.8	30.2	34.3
155°	1.4	6.9	16.5	26.1	30.2
157.5°	1.4	6.9	13.7	22.0	26.1
160°	1.4	5.5	12.4	17.8	22.0
162.5°	1.4	5.5	11.0	15.1	19.2
165°	1.4	4.1	8.2	12.4	15.1
167.5°	1.4	4.1	6.9	9.6	12.4
170°	1.4	2.7	5.5	6.9	9.6
172.5°	1.4	2.7	4.1	4.1	4.1
175°	1.4	1.4	2.7	2.7	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)