

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: P565626

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565626
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-SLW-UNV-L830-CD
Description: 2FT 2500 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

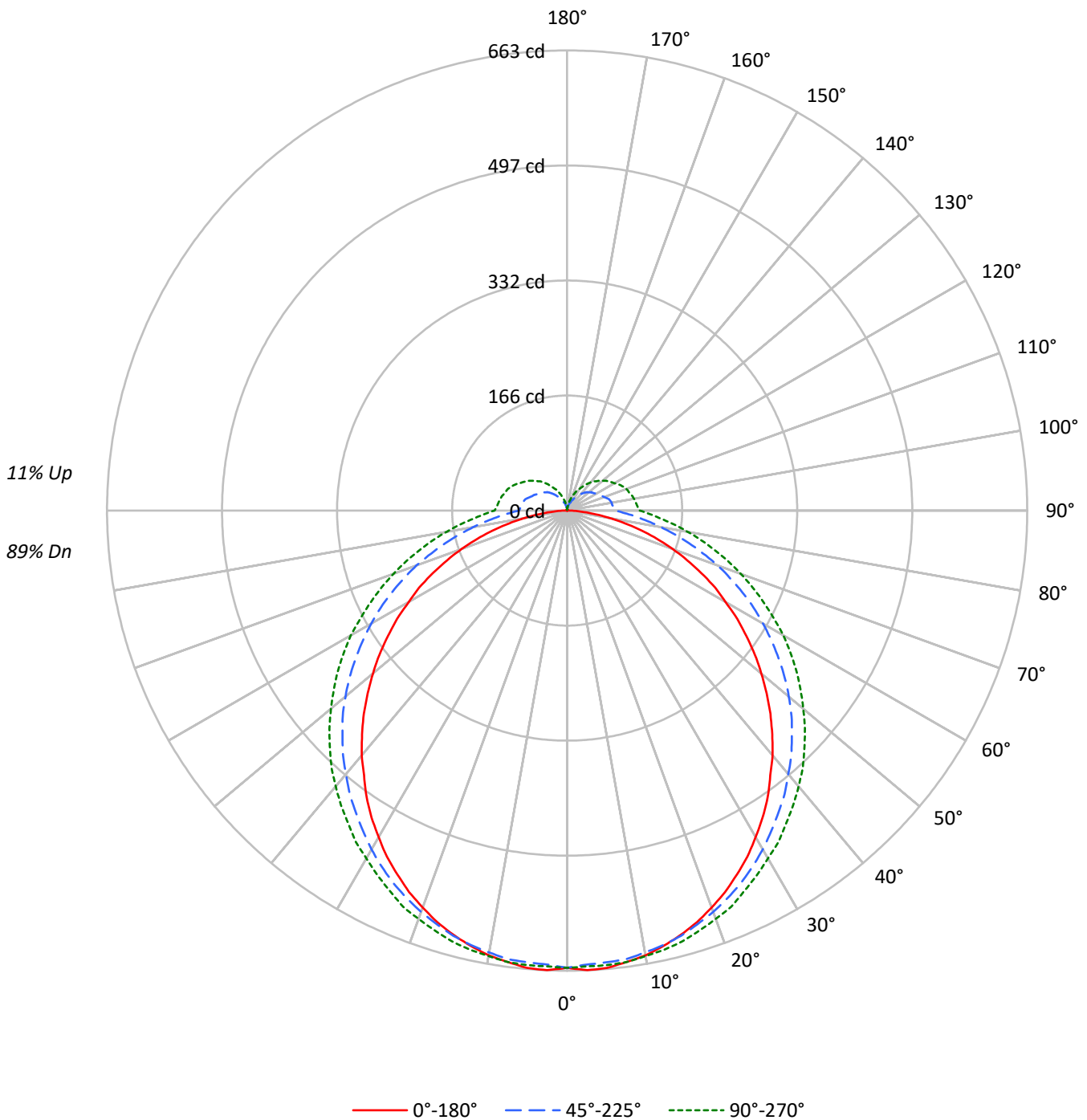
Lumens per Lamp: N/A
Luminaire Lumens: 2345.0 lumens
Efficiency: N/A
Efficacy: 134.0 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.08')
CIE Type: Semi-Direct

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°	14180	14180	14180
5°	14241	13799	13805
10°	14119	13504	13462
15°	13950	13203	13148
20°	13733	12860	12797
25°	13483	12524	12432
30°	13189	12156	12069
35°	12869	11777	11730
40°	12503	11403	11403
45°	12108	11023	11051
50°	11658	10622	10657
55°	11165	10141	10271
60°	10584	9631	9838
65°	9973	9054	9295
70°	9131	8422	8763
75°	8023	7624	8173
80°	6272	6810	7594
85°	4088	6091	6996



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.6	2.7
10°-20°	179.8	7.7
20°-30°	273.4	11.7
30°-40°	331.9	14.2
40°-50°	350.8	15.0
50°-60°	328.2	14.0
60°-70°	269.3	11.5
70°-80°	185.2	7.9
80°-90°	101.4	4.3
90°-100°	65.3	2.8
100°-110°	58.6	2.5
110°-120°	48.5	2.1
120°-130°	37.4	1.6
130°-140°	26.3	1.1
140°-150°	15.8	0.7
150°-160°	7.6	0.3
160°-170°	2.5	0.1
170°-180°	0.3	0.0
0°-30°	515.9	22.0
0°-40°	847.8	36.2
0°-60°	1526.8	65.1
0°-90°	2082.8	88.8
90°-120°	172.5	7.4
90°-150°	251.9	10.7
90°-180°	262.0	11.2
0°-180°	2345.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	659	659	659	659	659	
5°	661	660	653	659	657	63
15°	633	636	634	642	642	178
25°	579	585	592	604	604	267
35°	504	516	531	546	550	315
45°	414	433	458	478	484	319
55°	315	341	372	395	403	282
65°	213	242	278	304	312	211
75°	111	141	182	210	220	117
85°	24	58	99	126	136	28
90°	0	33	69	95	105	2
95°	0	31	67	91	100	0
105°	0	26	62	86	94	1
115°	1	23	53	76	86	1
125°	1	19	45	65	73	1
135°	1	15	37	53	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°	658.7	658.7	658.7	658.7	658.7
2.5°	662.8	661.4	654.6	660.1	657.4
5°	661.4	660.1	653.3	658.7	657.4
7.5°	656.0	656.0	651.9	657.4	656.0
10°	650.6	650.6	646.5	653.3	651.9
12.5°	642.4	643.8	641.1	649.2	647.9
15°	632.9	635.6	634.3	642.4	642.4
17.5°	622.0	624.8	624.8	634.3	634.3
20°	608.5	612.5	615.3	626.1	626.1
22.5°	594.9	600.3	604.4	613.9	618.0
25°	578.6	585.4	592.2	604.4	604.4
27.5°	562.3	570.4	578.6	590.8	592.2
30°	543.3	552.8	563.6	575.9	578.6
32.5°	524.3	536.5	547.3	562.3	566.4
35°	503.9	516.1	531.0	546.0	550.1
37.5°	480.8	495.7	514.7	531.0	535.1
40°	460.4	476.7	495.7	514.7	518.8
42.5°	437.3	455.0	478.1	495.7	502.5
45°	414.2	433.3	457.7	478.1	483.5
47.5°	389.8	411.5	438.7	457.7	464.5
50°	365.3	388.4	417.0	438.7	444.1
52.5°	340.9	365.3	395.2	417.0	423.8
55°	315.1	340.9	372.1	395.2	403.4
57.5°	290.6	316.5	349.1	373.5	381.6
60°	263.5	293.4	326.0	350.4	359.9
62.5°	240.4	267.6	302.9	327.3	335.5
65°	213.2	241.8	278.4	304.2	312.4
67.5°	187.4	217.3	254.0	281.1	289.3
70°	161.6	191.5	230.9	256.7	266.2
72.5°	135.8	167.1	205.1	233.6	243.1
75°	111.4	141.3	182.0	210.5	220.0
77.5°	85.6	118.2	158.9	187.4	198.3
80°	62.5	96.4	137.2	165.7	176.6
82.5°	42.1	76.1	116.8	145.3	156.2
85°	24.4	58.4	99.1	126.3	135.8
87.5°	12.2	44.8	82.8	110.0	119.5
90°	0.0	32.6	69.3	95.1	104.6
92.5°	0.0	31.2	67.9	92.4	101.9
95°	0.0	31.2	66.6	91.0	100.5
97.5°	0.0	29.9	65.2	91.0	99.1
100°	0.0	28.5	65.2	89.6	97.8
102.5°	0.0	27.2	63.8	88.3	96.4
105°	0.0	25.8	62.5	85.6	93.7
107.5°	1.4	25.8	59.8	84.2	92.4
110°	1.4	24.4	57.0	82.8	91.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.4	23.1	54.3	80.1	88.3
115°	1.4	23.1	53.0	76.1	85.6
117.5°	1.4	21.7	50.3	73.3	82.8
120°	1.4	21.7	48.9	70.6	78.8
122.5°	1.4	20.4	46.2	67.9	76.1
125°	1.4	19.0	44.8	65.2	73.3
127.5°	1.4	17.7	43.5	62.5	70.6
130°	1.4	16.3	40.7	59.8	66.6
132.5°	1.4	16.3	39.4	55.7	63.8
135°	1.4	14.9	36.7	53.0	59.8
137.5°	1.4	13.6	34.0	50.3	57.0
140°	1.4	12.2	31.2	47.5	53.0
142.5°	1.4	12.2	28.5	43.5	48.9
145°	1.4	10.9	25.8	40.7	44.8
147.5°	1.4	9.5	23.1	36.7	40.7
150°	1.4	9.5	20.4	32.6	36.7
152.5°	1.4	8.1	17.7	29.9	34.0
155°	1.4	6.8	16.3	25.8	29.9
157.5°	1.4	6.8	13.6	21.7	25.8
160°	1.4	5.4	12.2	17.7	21.7
162.5°	1.4	5.4	10.9	14.9	19.0
165°	1.4	4.1	8.1	12.2	14.9
167.5°	1.4	4.1	6.8	9.5	12.2
170°	1.4	2.7	5.4	6.8	9.5
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)