

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: P565859

Luminaire Tested: **2SNX-SL3-LC-UNV-CC83-CD-5000K-LOW**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565859
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2205-663-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2SNX-SL3-LC-UNV-CC83-CD-5000K-LOW
Description: 2FT 3200 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 5000K, 80CRI, LOW LUMEN SETTING, AND LC LENS
Light Source: -
Ballast/Driver: -

Summary

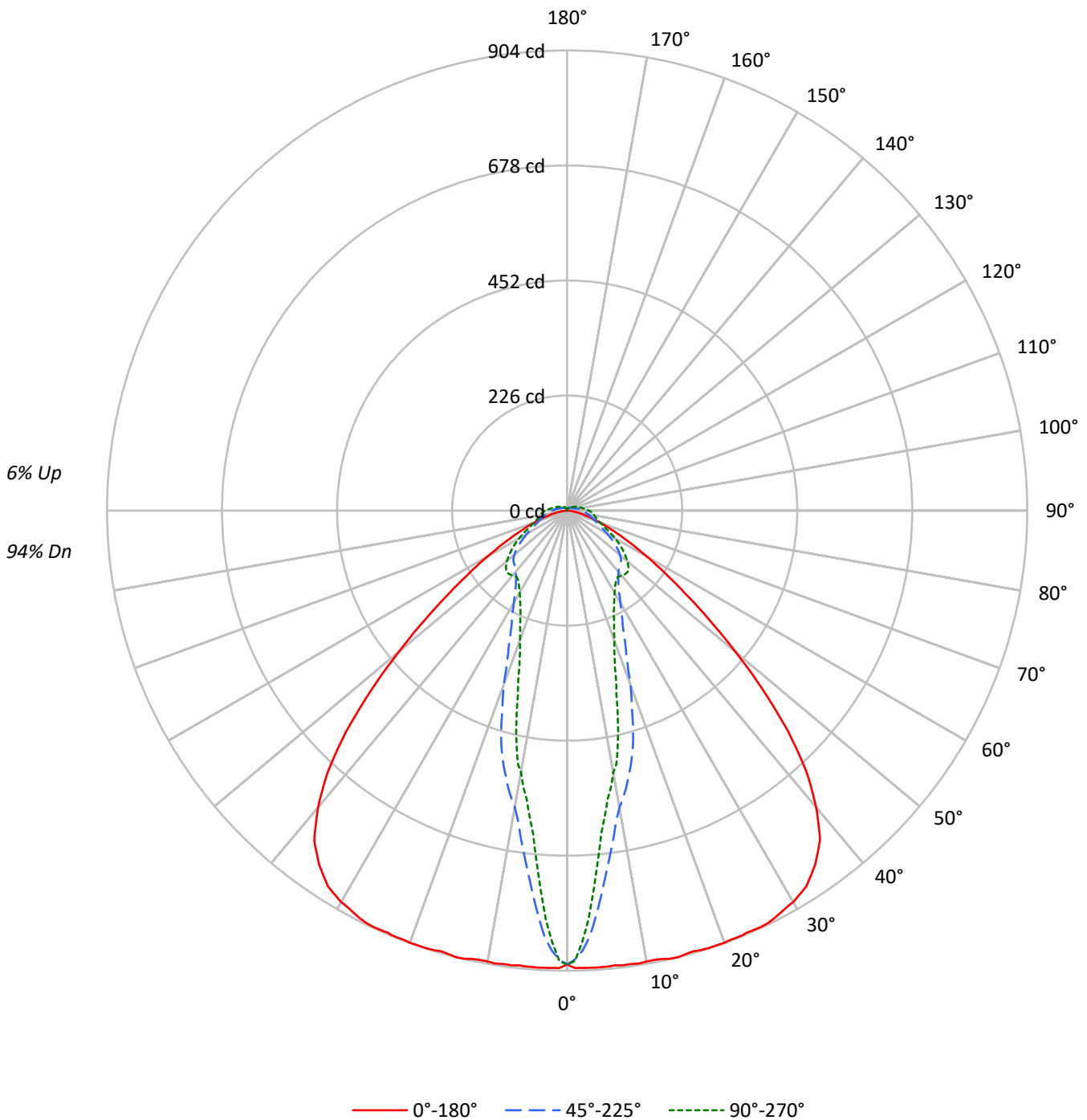
Lumens per Lamp: N/A
Luminaire Lumens: 1099.0 lumens
Efficiency: N/A
Efficacy: 164.9 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.17')
CIE Type: Direct

Input Watts (W): 6.666
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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	96	96	96	94
1	108	103	99	96	105	101	97	94	95	92	90	90	88	86	86	84	82	80
2	99	92	86	80	96	89	84	79	85	80	76	81	77	74	77	74	71	69
3	92	82	75	69	89	80	73	68	76	71	66	73	68	64	70	66	62	60
4	85	74	66	60	82	72	65	59	69	63	58	66	61	56	63	59	55	53
5	79	67	59	53	76	66	58	52	63	56	51	60	55	50	58	53	49	47
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	53	48	44	42
7	69	56	48	43	67	55	48	42	53	46	42	51	45	41	50	44	40	38
8	64	52	44	39	63	51	44	39	49	43	38	48	42	37	46	41	37	35
9	61	48	41	36	59	47	40	35	46	39	35	44	39	34	43	38	34	32
10	57	45	38	33	56	44	37	33	43	37	32	42	36	32	40	35	31	30

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	19194	19194	19194
5°	19295	15726	14112
10°	19376	11844	10213
15°	19657	9661	7072
20°	20087	6976	4994
25°	20631	4988	3928
30°	21066	3977	3346
35°	21090	3358	2997
40°	20001	3046	3004
45°	17252	2936	3087
50°	13143	2785	2880
55°	9445	2430	2555
60°	6780	2022	2160
65°	4866	1704	1772
70°	3519	1501	1527
75°	2430	1385	1424
80°	1515	1290	1403
85°	645	1221	1404



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.1	6.4
10°-20°	152.3	13.9
20°-30°	174.3	15.9
30°-40°	174.6	15.9
40°-50°	165.3	15.0
50°-60°	126.7	11.5
60°-70°	81.7	7.4
70°-80°	52.1	4.7
80°-90°	34.6	3.1
90°-100°	23.3	2.1
100°-110°	15.3	1.4
110°-120°	10.7	1.0
120°-130°	7.4	0.7
130°-140°	5.2	0.5
140°-150°	3.2	0.3
150°-160°	1.6	0.1
160°-170°	0.6	0.1
170°-180°	0.1	0.0
0°-30°	396.7	36.1
0°-40°	571.2	52.0
0°-60°	863.3	78.5
0°-90°	1031.7	93.9
90°-120°	49.2	4.5
90°-150°	65.0	5.9
90°-180°	67.0	6.1
0°-180°	1099.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	892	892	892	892	892	
5°	899	850	762	710	691	86
15°	902	649	495	407	374	256
25°	902	460	262	228	217	416
35°	849	256	175	170	167	527
45°	614	162	148	163	169	467
55°	282	116	114	128	133	259
65°	113	73	72	82	84	116
75°	38	39	50	57	60	42
85°	5	18	35	46	49	7
90°	0	12	29	41	42	0
95°	0	9	24	33	35	0
105°	0	7	16	22	24	0
115°	1	6	12	16	18	1
125°	1	5	10	12	12	1
135°	1	4	8	10	10	0
145°	1	3	6	7	8	0
155°	1	2	3	5	6	0
165°	1	1	2	3	3	0
175°	1	1	1	1	1	0
180°	1	1	1	1	1	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	891.6	891.6	891.6	891.6	891.6
1°	898.9	893.8	882.0	885.4	884.8
2°	898.9	888.2	865.1	858.3	848.2
3°	899.4	878.6	839.2	817.2	803.1
4°	899.4	864.5	800.9	764.3	746.3
5°	899.4	849.9	761.5	710.2	691.1
6°	898.3	832.4	721.5	667.4	638.7
7°	900.0	813.3	685.4	627.4	604.9
8°	899.4	790.7	652.2	597.0	572.2
9°	901.1	768.8	616.2	568.3	549.7
10°	899.4	748.5	592.5	541.2	522.1
11°	899.4	728.8	575.6	523.8	507.5
12°	900.6	706.3	557.0	499.0	476.5
13°	903.4	683.2	535.6	472.0	445.5
14°	904.0	665.7	515.9	437.6	410.0
15°	901.7	649.4	495.1	406.6	374.0
16°	900.6	632.5	470.3	377.4	348.1
17°	902.8	612.8	442.1	347.5	320.5
18°	903.4	594.8	412.3	325.0	301.3
19°	903.4	580.7	388.1	304.1	283.9
20°	903.4	567.2	363.3	288.4	270.9
21°	902.3	550.3	335.1	272.0	257.4
22.5°	902.8	518.7	303.0	252.9	241.1
23°	901.1	510.8	295.1	247.8	235.4
24°	901.7	488.3	278.2	237.7	225.8
25°	902.3	459.6	261.9	227.5	216.8
26°	901.1	436.5	248.4	218.0	210.6
27°	898.3	417.9	238.8	210.1	203.3
28°	894.4	393.1	228.7	203.3	197.1
29°	890.4	365.0	218.5	196.0	191.5
30°	888.2	342.4	209.0	190.4	186.4
32.5°	874.7	297.9	189.2	179.1	175.7
35°	849.3	255.7	175.2	169.5	167.3
37.5°	816.1	223.0	164.5	163.3	163.9
40°	761.5	197.1	156.6	161.6	166.7
42.5°	696.1	176.8	150.9	163.3	169.0
45°	613.9	161.6	147.6	163.3	169.0
47.5°	522.7	149.3	143.6	157.7	163.3
50°	431.4	138.0	135.7	149.3	154.3
52.5°	350.9	127.3	125.6	138.5	143.6
55°	281.6	115.5	113.8	127.8	132.9
57.5°	225.8	104.2	102.5	115.5	120.5
60°	180.2	92.9	90.1	103.1	108.1
62.5°	143.6	82.2	80.5	91.8	96.3
65°	112.6	72.7	71.5	81.7	84.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	89.0	63.6	64.2	72.7	76.0
70°	68.7	55.2	58.6	66.5	68.7
72.5°	51.8	46.7	54.1	60.8	63.6
75°	38.3	39.4	49.6	56.9	59.7
77.5°	26.5	32.7	45.6	53.5	56.3
80°	18.0	26.5	41.7	50.7	54.1
82.5°	10.7	22.0	38.3	47.9	51.8
85°	5.1	18.0	34.9	45.6	49.0
87.5°	1.7	14.6	31.5	43.4	46.2
90°	0.0	12.4	29.3	40.6	42.2
92.5°	0.0	10.7	26.5	37.2	38.3
95°	0.0	9.0	24.2	33.2	34.9
97.5°	0.0	8.4	22.5	29.9	32.1
100°	0.0	7.9	20.3	27.0	29.3
102.5°	0.0	6.8	18.0	24.2	26.5
105°	0.0	6.8	15.8	22.5	24.2
107.5°	0.6	6.2	14.6	20.3	22.5
110°	0.6	6.2	13.0	19.1	20.8
112.5°	0.6	6.2	12.4	17.5	19.7
115°	0.6	5.6	11.8	16.3	17.5
117.5°	0.6	5.6	11.3	14.6	15.8
120°	0.6	5.1	10.7	13.5	14.1
122.5°	0.6	5.1	10.1	12.4	13.0
125°	0.6	5.1	10.1	11.8	12.4
127.5°	0.6	4.5	9.6	11.3	11.3
130°	0.6	4.5	9.0	10.7	10.7
132.5°	0.6	3.9	8.4	10.1	10.7
135°	0.6	3.9	7.9	9.6	10.1
137.5°	0.6	3.4	7.3	9.0	9.6
140°	0.6	3.4	6.8	8.4	9.0
142.5°	0.6	2.8	6.2	7.9	8.4
145°	0.6	2.8	5.6	7.3	7.9
147.5°	0.6	2.8	5.1	6.8	7.3
150°	0.6	2.3	4.5	6.2	6.8
152.5°	0.6	2.3	3.9	5.6	6.2
155°	0.6	1.7	3.4	5.1	5.6
157.5°	0.6	1.7	3.4	4.5	5.1
160°	1.1	1.7	2.8	3.9	4.5
162.5°	0.6	1.1	2.8	3.4	3.9
165°	1.1	1.1	2.3	2.8	3.4
167.5°	1.1	1.1	1.7	2.3	2.8
170°	1.1	1.1	1.7	1.7	2.3
172.5°	1.1	1.1	1.1	1.7	1.1
175°	1.1	1.1	1.1	1.1	0.6
177.5°	1.1	1.1	1.1	1.1	0.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	1.1	1.1	1.1	1.1	1.1

(END OF REPORT)