

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: P565858

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565858
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-HI
Description: 2FT 3200 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 5000K, 80CRI, HI LUMEN SETTING, AND LC LENS
Light Source: -
Ballast/Driver: -

Summary

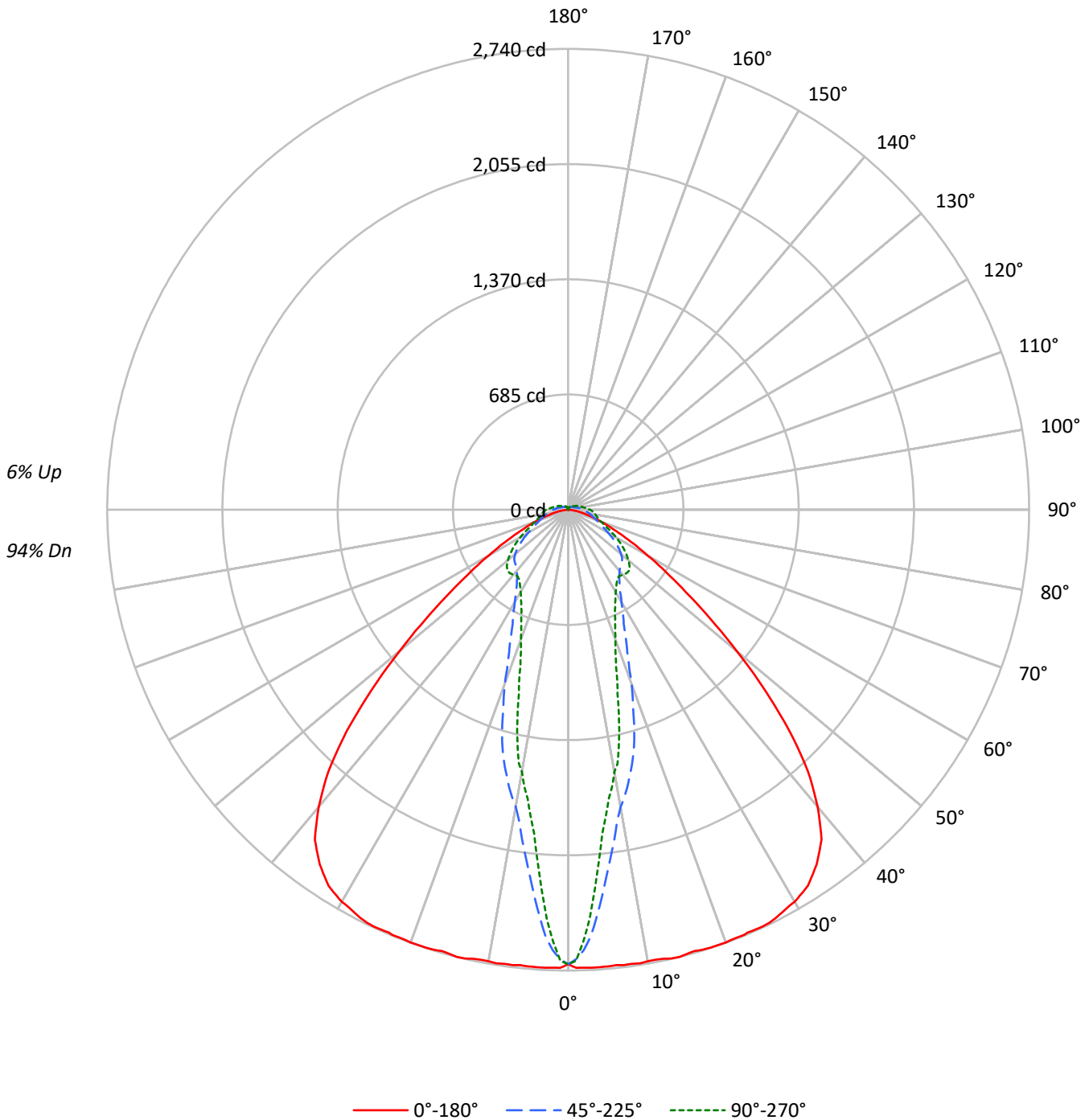
Lumens per Lamp: N/A
Luminaire Lumens: 3331.0 lumens
Efficiency: N/A
Efficacy: 164.9 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.17')
CIE Type: Direct

Input Watts (W): 20.2
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	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°	58175	58175	58175
5°	58487	47662	42770
10°	58732	35899	30953
15°	59581	29281	21434
20°	60882	21144	15138
25°	62528	15117	11909
30°	63846	12052	10141
35°	63922	10174	9084
40°	60619	9230	9106
45°	52291	8897	9354
50°	39837	8442	8729
55°	28627	7364	7746
60°	20554	6129	6550
65°	14754	5167	5369
70°	10668	4547	4630
75°	7366	4193	4314
80°	4597	3907	4250
85°	1948	3701	4255



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	212.5	6.4
10°-20°	461.5	13.9
20°-30°	528.2	15.9
30°-40°	529.2	15.9
40°-50°	500.9	15.0
50°-60°	384.2	11.5
60°-70°	247.6	7.4
70°-80°	157.9	4.7
80°-90°	104.9	3.1
90°-100°	70.5	2.1
100°-110°	46.5	1.4
110°-120°	32.3	1.0
120°-130°	22.5	0.7
130°-140°	15.6	0.5
140°-150°	9.6	0.3
150°-160°	4.9	0.1
160°-170°	1.9	0.1
170°-180°	0.4	0.0
0°-30°	1202.2	36.1
0°-40°	1731.4	52.0
0°-60°	2616.5	78.6
0°-90°	3126.9	93.9
90°-120°	149.3	4.5
90°-150°	197.0	5.9
90°-180°	204.0	6.1
0°-180°	3331.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2702	2702	2702	2702	2702	
5°	2726	2576	2308	2153	2095	260
15°	2733	1968	1500	1232	1134	775
25°	2735	1393	794	690	657	1261
35°	2574	775	531	514	507	1597
45°	1861	490	447	495	512	1415
55°	854	350	345	388	403	785
65°	341	220	217	248	256	351
75°	116	120	150	172	181	128
85°	15	55	106	138	148	21
90°	0	38	89	123	128	1
95°	0	27	73	101	106	0
105°	0	20	48	68	73	1
115°	2	17	36	50	53	2
125°	2	15	31	36	38	2
135°	2	12	24	29	31	1
145°	2	8	17	22	24	1
155°	2	5	10	15	17	1
165°	3	3	7	8	10	1
175°	3	3	3	3	2	0
180°	3	3	3	3	3	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2702.3	2702.3	2702.3	2702.3	2702.3
1°	2724.5	2709.1	2673.2	2683.5	2681.8
2°	2724.5	2692.0	2622.0	2601.6	2570.8
3°	2726.2	2663.0	2543.5	2476.9	2434.3
4°	2726.2	2620.3	2427.4	2316.5	2261.8
5°	2726.2	2575.9	2307.9	2152.6	2094.6
6°	2722.8	2523.0	2186.7	2022.9	1935.8
7°	2727.9	2465.0	2077.5	1901.7	1833.4
8°	2726.2	2396.7	1976.8	1809.5	1734.4
9°	2731.3	2330.1	1867.5	1722.4	1666.1
10°	2726.2	2268.7	1795.8	1640.5	1582.4
11°	2726.2	2208.9	1744.6	1587.6	1538.1
12°	2729.6	2140.6	1688.3	1512.5	1444.2
13°	2738.1	2070.7	1623.4	1430.5	1350.3
14°	2739.8	2017.7	1563.7	1326.4	1242.7
15°	2733.0	1968.2	1500.5	1232.5	1133.5
16°	2729.6	1917.0	1425.4	1143.7	1055.0
17°	2736.4	1857.3	1340.0	1053.3	971.3
18°	2738.1	1802.7	1249.6	985.0	913.3
19°	2738.1	1760.0	1176.2	921.8	860.4
20°	2738.1	1719.0	1101.1	874.0	821.1
21°	2734.7	1667.8	1015.7	824.5	780.1
22.5°	2736.4	1572.2	918.4	766.5	730.6
23°	2731.3	1548.3	894.5	751.1	713.5
24°	2733.0	1480.0	843.3	720.4	684.5
25°	2734.7	1393.0	793.8	689.7	657.2
26°	2731.3	1323.0	752.8	660.6	638.4
27°	2722.8	1266.6	723.8	636.7	616.2
28°	2710.8	1191.5	693.1	616.2	597.5
29°	2698.9	1106.2	662.3	594.1	580.4
30°	2692.0	1037.9	633.3	577.0	565.0
32.5°	2651.1	903.0	573.6	542.8	532.6
35°	2574.2	775.0	530.9	513.8	507.0
37.5°	2473.5	676.0	498.5	495.0	496.8
40°	2307.9	597.5	474.6	489.9	505.3
42.5°	2109.9	536.0	457.5	495.0	512.1
45°	1860.7	489.9	447.2	495.0	512.1
47.5°	1584.1	452.4	435.3	478.0	495.0
50°	1307.6	418.2	411.4	452.4	467.7
52.5°	1063.5	385.8	380.7	419.9	435.3
55°	853.5	349.9	344.8	387.5	402.9
57.5°	684.5	315.8	310.7	349.9	365.3
60°	546.3	281.7	273.1	312.4	327.8
62.5°	435.3	249.2	244.1	278.3	291.9
65°	341.4	220.2	216.8	247.5	256.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	269.7	192.9	194.6	220.2	230.5
70°	208.3	167.3	177.5	201.4	208.3
72.5°	157.0	141.7	163.9	184.4	192.9
75°	116.1	119.5	150.2	172.4	180.9
77.5°	80.2	99.0	138.3	162.2	170.7
80°	54.6	80.2	126.3	153.6	163.9
82.5°	32.4	66.6	116.1	145.1	157.0
85°	15.4	54.6	105.8	138.3	148.5
87.5°	5.1	44.4	95.6	131.4	140.0
90°	0.0	37.6	88.8	122.9	128.0
92.5°	0.0	32.4	80.2	112.7	116.1
95°	0.0	27.3	73.4	100.7	105.8
97.5°	0.0	25.6	68.3	90.5	97.3
100°	0.0	23.9	61.5	81.9	88.8
102.5°	0.0	20.5	54.6	73.4	80.2
105°	0.0	20.5	47.8	68.3	73.4
107.5°	1.7	18.8	44.4	61.5	68.3
110°	1.7	18.8	39.3	58.0	63.2
112.5°	1.7	18.8	37.6	52.9	59.7
115°	1.7	17.1	35.8	49.5	52.9
117.5°	1.7	17.1	34.1	44.4	47.8
120°	1.7	15.4	32.4	41.0	42.7
122.5°	1.7	15.4	30.7	37.6	39.3
125°	1.7	15.4	30.7	35.8	37.6
127.5°	1.7	13.7	29.0	34.1	34.1
130°	1.7	13.7	27.3	32.4	32.4
132.5°	1.7	11.9	25.6	30.7	32.4
135°	1.7	11.9	23.9	29.0	30.7
137.5°	1.7	10.2	22.2	27.3	29.0
140°	1.7	10.2	20.5	25.6	27.3
142.5°	1.7	8.5	18.8	23.9	25.6
145°	1.7	8.5	17.1	22.2	23.9
147.5°	1.7	8.5	15.4	20.5	22.2
150°	1.7	6.8	13.7	18.8	20.5
152.5°	1.7	6.8	11.9	17.1	18.8
155°	1.7	5.1	10.2	15.4	17.1
157.5°	1.7	5.1	10.2	13.7	15.4
160°	3.4	5.1	8.5	11.9	13.7
162.5°	1.7	3.4	8.5	10.2	11.9
165°	3.4	3.4	6.8	8.5	10.2
167.5°	3.4	3.4	5.1	6.8	8.5
170°	3.4	3.4	5.1	5.1	6.8
172.5°	3.4	3.4	3.4	5.1	3.4
175°	3.4	3.4	3.4	3.4	1.7
177.5°	3.4	3.4	3.4	3.4	1.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	3.4	3.4	3.4	3.4	3.4

(END OF REPORT)