

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: P565854

Luminaire Tested: **2SNX-SL3-LC-UNV-CC83-CD-3500K-MED**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565854
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-3500K-MED
Description: 2FT 3200 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 3500K, 80CRI, MED LUMEN SETTING, AND LC LENS
Light Source: -
Ballast/Driver: -

Summary

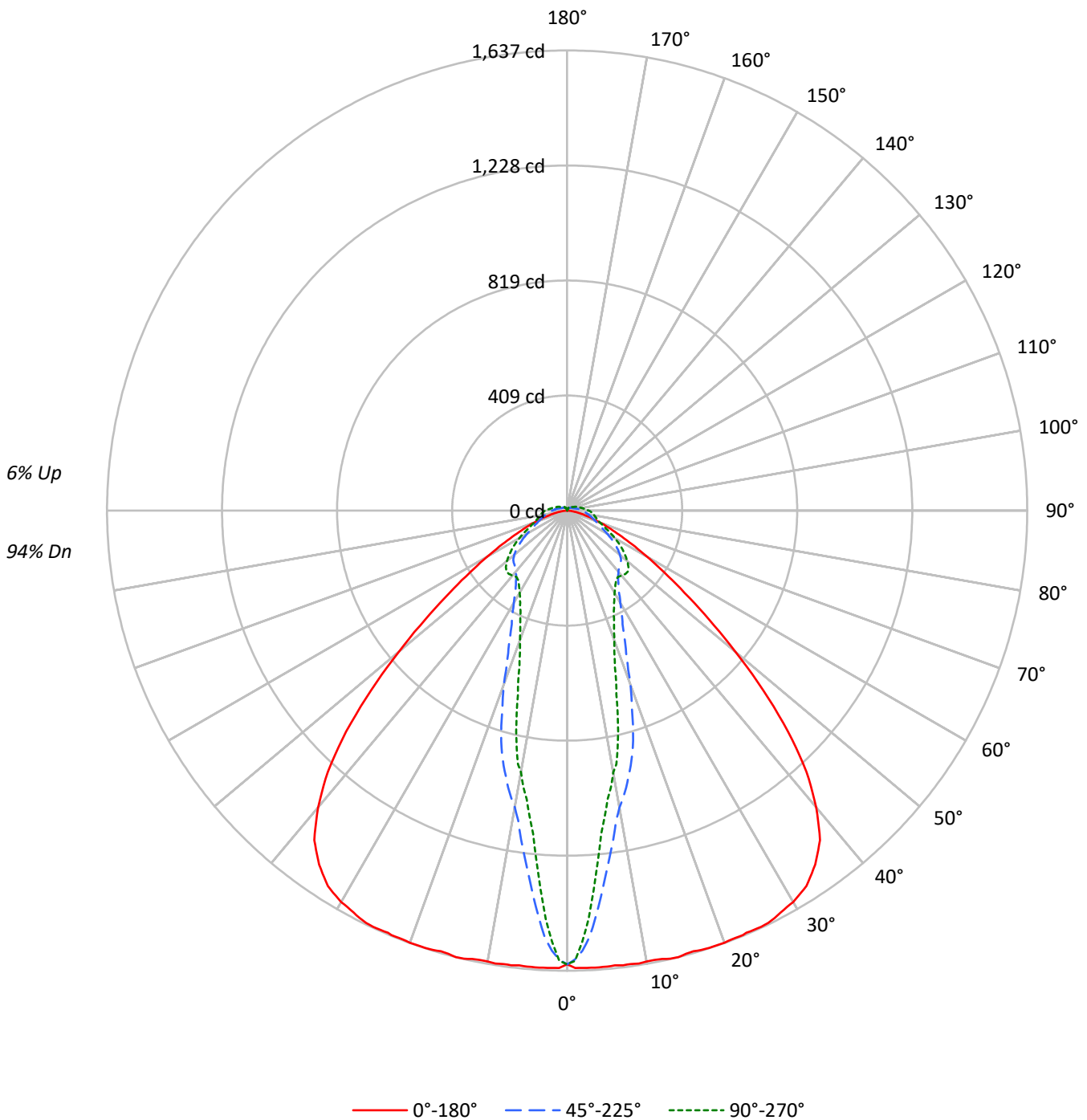
Lumens per Lamp: N/A
Luminaire Lumens: 1990.0 lumens
Efficiency: N/A
Efficacy: 143.6 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.17')
CIE Type: Direct

Input Watts (W): 13.86
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°	34755	34755	34755
5°	34942	28475	25550
10°	35088	21448	18493
15°	35594	17493	12805
20°	36372	12632	9043
25°	37357	9031	7114
30°	38144	7201	6060
35°	38189	6079	5427
40°	36215	5514	5441
45°	31239	5316	5588
50°	23800	5044	5214
55°	17102	4400	4628
60°	12277	3662	3912
65°	8816	3086	3208
70°	6371	2718	2765
75°	4397	2504	2578
80°	2744	2336	2539
85°	1164	2211	2542



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.0	6.4
10°-20°	275.7	13.9
20°-30°	315.6	15.9
30°-40°	316.1	15.9
40°-50°	299.3	15.0
50°-60°	229.5	11.5
60°-70°	147.9	7.4
70°-80°	94.3	4.7
80°-90°	62.6	3.1
90°-100°	42.1	2.1
100°-110°	27.7	1.4
110°-120°	19.3	1.0
120°-130°	13.5	0.7
130°-140°	9.3	0.5
140°-150°	5.7	0.3
150°-160°	2.9	0.1
160°-170°	1.1	0.1
170°-180°	0.2	0.0
0°-30°	718.2	36.1
0°-40°	1034.4	52.0
0°-60°	1563.2	78.6
0°-90°	1868.1	93.9
90°-120°	89.2	4.5
90°-150°	117.7	5.9
90°-180°	122.0	6.1
0°-180°	1990.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1614	1614	1614	1614	1614	
5°	1629	1539	1379	1286	1251	155
15°	1633	1176	896	736	677	463
25°	1634	832	474	412	393	753
35°	1538	463	317	307	303	954
45°	1112	293	267	296	306	845
55°	510	209	206	232	241	469
65°	204	132	130	148	153	210
75°	69	71	90	103	108	76
85°	9	33	63	83	89	13
90°	0	22	53	73	76	0
95°	0	16	44	60	63	0
105°	0	12	29	41	44	1
115°	1	10	21	30	32	1
125°	1	9	18	21	22	1
135°	1	7	14	17	18	1
145°	1	5	10	13	14	1
155°	1	3	6	9	10	1
165°	2	2	4	5	6	0
175°	2	2	2	2	1	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1614.4	1614.4	1614.4	1614.4	1614.4
1°	1627.6	1618.5	1597.0	1603.2	1602.1
2°	1627.6	1608.3	1566.5	1554.2	1535.9
3°	1628.7	1590.9	1519.5	1479.8	1454.3
4°	1628.7	1565.4	1450.2	1383.9	1351.3
5°	1628.7	1538.9	1378.8	1286.0	1251.3
6°	1626.6	1507.3	1306.4	1208.5	1156.5
7°	1629.7	1472.6	1241.1	1136.1	1095.3
8°	1628.7	1431.8	1181.0	1081.0	1036.1
9°	1631.7	1392.1	1115.7	1029.0	995.4
10°	1628.7	1355.3	1072.9	980.1	945.4
11°	1628.7	1319.7	1042.3	948.4	918.9
12°	1630.7	1278.9	1008.6	903.6	862.8
13°	1635.8	1237.0	969.9	854.6	806.7
14°	1636.8	1205.4	934.2	792.4	742.4
15°	1632.7	1175.9	896.4	736.3	677.2
16°	1630.7	1145.3	851.6	683.3	630.3
17°	1634.8	1109.6	800.6	629.2	580.3
18°	1635.8	1076.9	746.5	588.4	545.6
19°	1635.8	1051.4	702.7	550.7	514.0
20°	1635.8	1027.0	657.8	522.2	490.5
21°	1633.8	996.4	606.8	492.6	466.1
22.5°	1634.8	939.3	548.7	457.9	436.5
23°	1631.7	925.0	534.4	448.7	426.3
24°	1632.7	884.2	503.8	430.4	409.0
25°	1633.8	832.2	474.2	412.0	392.6
26°	1631.7	790.4	449.7	394.7	381.4
27°	1626.6	756.7	432.4	380.4	368.2
28°	1619.5	711.8	414.0	368.2	356.9
29°	1612.3	660.8	395.7	354.9	346.7
30°	1608.3	620.1	378.4	344.7	337.6
32.5°	1583.8	539.5	342.7	324.3	318.2
35°	1537.9	463.0	317.2	307.0	302.9
37.5°	1477.7	403.9	297.8	295.7	296.8
40°	1378.8	356.9	283.5	292.7	301.9
42.5°	1260.5	320.2	273.3	295.7	305.9
45°	1111.6	292.7	267.2	295.7	305.9
47.5°	946.4	270.3	260.1	285.6	295.7
50°	781.2	249.9	245.8	270.3	279.4
52.5°	635.4	230.5	227.4	250.9	260.1
55°	509.9	209.1	206.0	231.5	240.7
57.5°	409.0	188.7	185.6	209.1	218.2
60°	326.3	168.3	163.2	186.6	195.8
62.5°	260.1	148.9	145.8	166.2	174.4
65°	204.0	131.6	129.5	147.9	153.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	161.1	115.2	116.3	131.6	137.7
70°	124.4	99.9	106.1	120.3	124.4
72.5°	93.8	84.6	97.9	110.1	115.2
75°	69.3	71.4	89.7	103.0	108.1
77.5°	47.9	59.1	82.6	96.9	102.0
80°	32.6	47.9	75.5	91.8	97.9
82.5°	19.4	39.8	69.3	86.7	93.8
85°	9.2	32.6	63.2	82.6	88.7
87.5°	3.1	26.5	57.1	78.5	83.6
90°	0.0	22.4	53.0	73.4	76.5
92.5°	0.0	19.4	47.9	67.3	69.3
95°	0.0	16.3	43.9	60.2	63.2
97.5°	0.0	15.3	40.8	54.1	58.1
100°	0.0	14.3	36.7	49.0	53.0
102.5°	0.0	12.2	32.6	43.9	47.9
105°	0.0	12.2	28.6	40.8	43.9
107.5°	1.0	11.2	26.5	36.7	40.8
110°	1.0	11.2	23.5	34.7	37.7
112.5°	1.0	11.2	22.4	31.6	35.7
115°	1.0	10.2	21.4	29.6	31.6
117.5°	1.0	10.2	20.4	26.5	28.6
120°	1.0	9.2	19.4	24.5	25.5
122.5°	1.0	9.2	18.4	22.4	23.5
125°	1.0	9.2	18.4	21.4	22.4
127.5°	1.0	8.2	17.3	20.4	20.4
130°	1.0	8.2	16.3	19.4	19.4
132.5°	1.0	7.1	15.3	18.4	19.4
135°	1.0	7.1	14.3	17.3	18.4
137.5°	1.0	6.1	13.3	16.3	17.3
140°	1.0	6.1	12.2	15.3	16.3
142.5°	1.0	5.1	11.2	14.3	15.3
145°	1.0	5.1	10.2	13.3	14.3
147.5°	1.0	5.1	9.2	12.2	13.3
150°	1.0	4.1	8.2	11.2	12.2
152.5°	1.0	4.1	7.1	10.2	11.2
155°	1.0	3.1	6.1	9.2	10.2
157.5°	1.0	3.1	6.1	8.2	9.2
160°	2.0	3.1	5.1	7.1	8.2
162.5°	1.0	2.0	5.1	6.1	7.1
165°	2.0	2.0	4.1	5.1	6.1
167.5°	2.0	2.0	3.1	4.1	5.1
170°	2.0	2.0	3.1	3.1	4.1
172.5°	2.0	2.0	2.0	3.1	2.0
175°	2.0	2.0	2.0	2.0	1.0
177.5°	2.0	2.0	2.0	2.0	1.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	2.0	2.0	2.0	2.0	2.0

(END OF REPORT)