

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: P565857

Luminaire Tested: **2SNX-SL3-LC-UNV-CC83-CD-4000K-MED**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565857
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-4000K-MED
Description: 2FT 3200 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 4000K, 80CRI, MED LUMEN SETTING, AND LC LENS
Light Source: -
Ballast/Driver: -

Summary

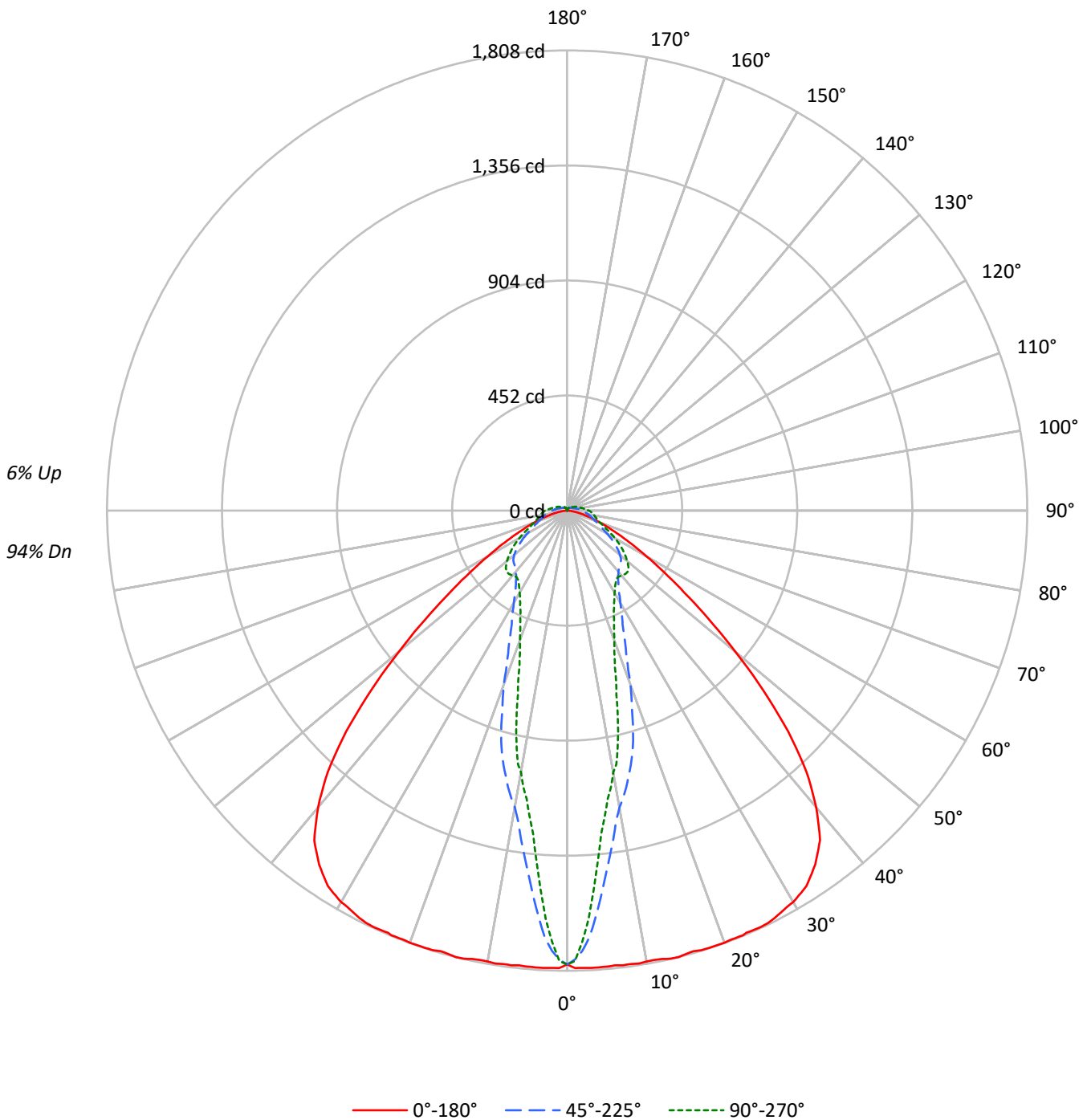
Lumens per Lamp: N/A
Luminaire Lumens: 2198.0 lumens
Efficiency: N/A
Efficacy: 164.9 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.17')
CIE Type: Direct

Input Watts (W): 13.332
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°	38386	38386	38386
5°	38593	31451	28221
10°	38754	23689	20425
15°	39315	19321	14142
20°	40174	13951	9989
25°	41260	9975	7859
30°	42131	7953	6692
35°	42179	6713	5993
40°	40000	6089	6008
45°	34505	5871	6172
50°	26286	5572	5759
55°	18890	4859	5110
60°	13564	4044	4322
65°	9737	3411	3543
70°	7037	3000	3054
75°	4860	2767	2847
80°	3031	2580	2803
85°	1278	2441	2808



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.2	6.4
10°-20°	304.5	13.9
20°-30°	348.6	15.9
30°-40°	349.2	15.9
40°-50°	330.5	15.0
50°-60°	253.5	11.5
60°-70°	163.4	7.4
70°-80°	104.2	4.7
80°-90°	69.2	3.1
90°-100°	46.5	2.1
100°-110°	30.6	1.4
110°-120°	21.3	1.0
120°-130°	14.9	0.7
130°-140°	10.3	0.5
140°-150°	6.3	0.3
150°-160°	3.2	0.1
160°-170°	1.2	0.1
170°-180°	0.2	0.0
0°-30°	793.3	36.1
0°-40°	1142.5	52.0
0°-60°	1726.5	78.6
0°-90°	2063.3	93.9
90°-120°	98.5	4.5
90°-150°	130.0	5.9
90°-180°	135.0	6.1
0°-180°	2198.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1783	1783	1783	1783	1783	
5°	1799	1700	1523	1420	1382	172
15°	1803	1299	990	813	748	512
25°	1804	919	524	455	434	832
35°	1699	511	350	339	334	1054
45°	1228	323	295	327	338	934
55°	563	231	228	256	266	518
65°	225	145	143	163	169	232
75°	77	79	99	114	119	84
85°	10	36	70	91	98	14
90°	0	25	59	81	84	0
95°	0	18	48	66	70	0
105°	0	14	32	45	48	1
115°	1	11	24	33	35	1
125°	1	10	20	24	25	1
135°	1	8	16	19	20	1
145°	1	6	11	15	16	1
155°	1	3	7	10	11	1
165°	2	2	4	6	7	1
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°	1783.1	1783.1	1783.1	1783.1	1783.1
1°	1797.8	1787.6	1764.0	1770.7	1769.6
2°	1797.8	1776.4	1730.2	1716.7	1696.4
3°	1798.9	1757.2	1678.4	1634.4	1606.3
4°	1798.9	1729.1	1601.8	1528.6	1492.5
5°	1798.9	1699.8	1522.9	1420.4	1382.1
6°	1796.6	1664.9	1442.9	1334.8	1277.4
7°	1800.0	1626.6	1370.9	1254.8	1209.8
8°	1798.9	1581.5	1304.4	1194.0	1144.4
9°	1802.3	1537.6	1232.3	1136.6	1099.4
10°	1798.9	1497.0	1185.0	1082.5	1044.2
11°	1798.9	1457.6	1151.2	1047.6	1014.9
12°	1801.1	1412.5	1114.0	998.0	953.0
13°	1806.8	1366.3	1071.2	943.9	891.0
14°	1807.9	1331.4	1031.8	875.2	820.0
15°	1803.4	1298.8	990.1	813.3	747.9
16°	1801.1	1265.0	940.6	754.7	696.1
17°	1805.7	1225.5	884.2	695.0	640.9
18°	1806.8	1189.5	824.5	649.9	602.6
19°	1806.8	1161.3	776.1	608.3	567.7
20°	1806.8	1134.3	726.5	576.7	541.8
21°	1804.5	1100.5	670.2	544.1	514.8
22.5°	1805.7	1037.4	606.0	505.8	482.1
23°	1802.3	1021.7	590.2	495.6	470.8
24°	1803.4	976.6	556.5	475.3	451.7
25°	1804.5	919.2	523.8	455.1	433.7
26°	1802.3	873.0	496.8	435.9	421.3
27°	1796.6	835.8	477.6	420.2	406.6
28°	1788.8	786.2	457.3	406.6	394.2
29°	1780.9	729.9	437.1	392.0	383.0
30°	1776.4	684.9	417.9	380.7	372.8
32.5°	1749.3	595.9	378.5	358.2	351.4
35°	1698.6	511.4	350.3	339.1	334.5
37.5°	1632.2	446.1	328.9	326.7	327.8
40°	1522.9	394.2	313.1	323.3	333.4
42.5°	1392.3	353.7	301.9	326.7	337.9
45°	1227.8	323.3	295.1	326.7	337.9
47.5°	1045.3	298.5	287.2	315.4	326.7
50°	862.8	276.0	271.5	298.5	308.6
52.5°	701.8	254.6	251.2	277.1	287.2
55°	563.2	230.9	227.5	255.7	265.8
57.5°	451.7	208.4	205.0	230.9	241.1
60°	360.5	185.9	180.2	206.1	216.3
62.5°	287.2	164.5	161.1	183.6	192.6
65°	225.3	145.3	143.1	163.3	169.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	178.0	127.3	128.4	145.3	152.1
70°	137.4	110.4	117.1	132.9	137.4
72.5°	103.6	93.5	108.1	121.7	127.3
75°	76.6	78.8	99.1	113.8	119.4
77.5°	52.9	65.3	91.2	107.0	112.6
80°	36.0	52.9	83.4	101.4	108.1
82.5°	21.4	43.9	76.6	95.7	103.6
85°	10.1	36.0	69.8	91.2	98.0
87.5°	3.4	29.3	63.1	86.7	92.4
90°	0.0	24.8	58.6	81.1	84.5
92.5°	0.0	21.4	52.9	74.3	76.6
95°	0.0	18.0	48.4	66.5	69.8
97.5°	0.0	16.9	45.1	59.7	64.2
100°	0.0	15.8	40.6	54.1	58.6
102.5°	0.0	13.5	36.0	48.4	52.9
105°	0.0	13.5	31.5	45.1	48.4
107.5°	1.1	12.4	29.3	40.6	45.1
110°	1.1	12.4	25.9	38.3	41.7
112.5°	1.1	12.4	24.8	34.9	39.4
115°	1.1	11.3	23.7	32.7	34.9
117.5°	1.1	11.3	22.5	29.3	31.5
120°	1.1	10.1	21.4	27.0	28.2
122.5°	1.1	10.1	20.3	24.8	25.9
125°	1.1	10.1	20.3	23.7	24.8
127.5°	1.1	9.0	19.1	22.5	22.5
130°	1.1	9.0	18.0	21.4	21.4
132.5°	1.1	7.9	16.9	20.3	21.4
135°	1.1	7.9	15.8	19.1	20.3
137.5°	1.1	6.8	14.6	18.0	19.1
140°	1.1	6.8	13.5	16.9	18.0
142.5°	1.1	5.6	12.4	15.8	16.9
145°	1.1	5.6	11.3	14.6	15.8
147.5°	1.1	5.6	10.1	13.5	14.6
150°	1.1	4.5	9.0	12.4	13.5
152.5°	1.1	4.5	7.9	11.3	12.4
155°	1.1	3.4	6.8	10.1	11.3
157.5°	1.1	3.4	6.8	9.0	10.1
160°	2.3	3.4	5.6	7.9	9.0
162.5°	1.1	2.3	5.6	6.8	7.9
165°	2.3	2.3	4.5	5.6	6.8
167.5°	2.3	2.3	3.4	4.5	5.6
170°	2.3	2.3	3.4	3.4	4.5
172.5°	2.3	2.3	2.3	3.4	2.3
175°	2.3	2.3	2.3	2.3	1.1
177.5°	2.3	2.3	2.3	2.3	1.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	2.3	2.3	2.3	2.3	2.3

(END OF REPORT)