

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: P565878

Luminaire Tested: **2SNX-SL3-LN-UNV-CC83-CD-5000K-MED**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565878
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-6)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2SNX-SL3-LN-UNV-CC83-CD-5000K-MED
Description: 2FT 3200 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 5000K, 80CRI, MED LUMEN SETTING, AND LN LENS
Light Source: -
Ballast/Driver: -

Summary

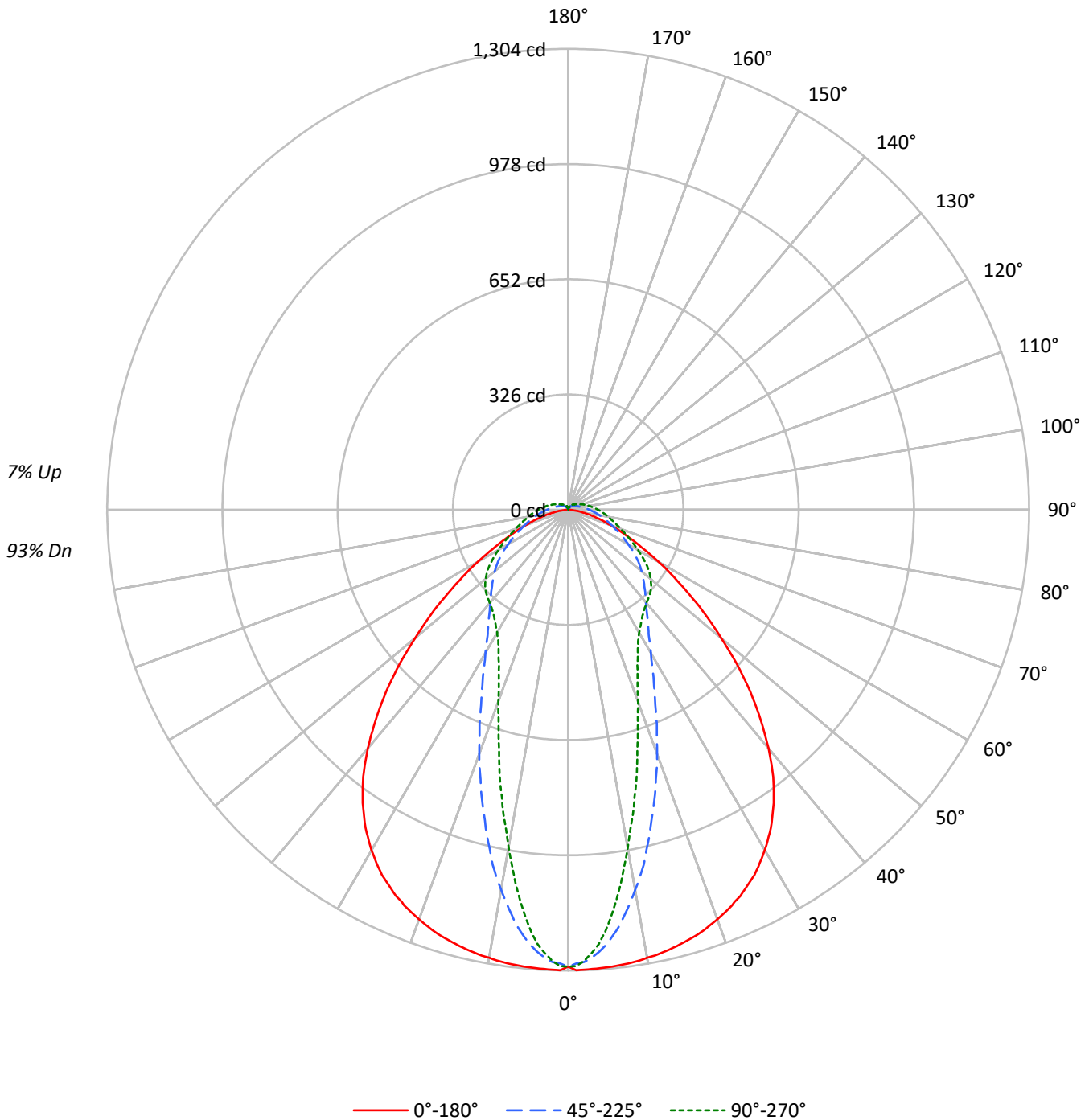
Lumens per Lamp: N/A
Luminaire Lumens: 2061.0 lumens
Efficiency: N/A
Efficacy: 156.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.17')
CIE Type: Direct

Input Watts (W): 13.2
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

TEST NUMBER: P565878

CATALOG NUMBER: 2SNX-SL3-LN-UNV-CC83-CD-5000K-MED

Luminous Intensity Polar Plot





TEST NUMBER: P565878

CATALOG NUMBER: 2SNX-SL3-LN-UNV-CC83-CD-5000K-MED

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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93				
1	107	103	99	95	104	100	96	93	94	91	88	89	87	85	85	83	81	78				
2	99	91	84	79	95	88	82	77	84	79	75	79	75	72	76	72	69	67				
3	91	81	73	67	88	79	72	66	75	69	64	71	66	62	68	64	60	58				
4	84	73	64	58	81	71	63	57	68	61	56	64	59	54	62	57	53	51				
5	78	66	57	51	75	64	56	51	61	55	49	59	53	48	56	51	47	45				
6	72	60	51	45	70	59	51	45	56	49	44	54	48	43	52	46	42	40				
7	67	55	47	41	65	54	46	41	52	45	40	50	44	39	48	42	38	36				
8	63	51	43	37	61	50	42	37	48	41	36	46	40	36	44	39	35	33				
9	59	47	39	34	58	46	39	34	44	38	33	43	37	33	41	36	32	30				
10	56	44	36	31	54	43	36	31	41	35	31	40	34	30	39	34	30	28				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	27833	27833	27833
5°	27877	25519	24482
10°	27737	21830	18993
15°	27621	17770	14237
20°	27427	14126	10654
25°	27067	11045	8455
30°	26385	8922	7212
35°	25159	7535	6561
40°	23151	6638	6210
45°	20459	6060	6017
50°	17210	5563	5685
55°	14020	5030	5191
60°	11096	4412	4554
65°	8496	3861	3962
70°	6474	3404	3505
75°	4866	3046	3193
80°	3275	2775	2969
85°	1645	2567	2848



TEST NUMBER: P565878

CATALOG NUMBER: 2SNX-SL3-LN-UNV-CC83-CD-5000K-MED

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.5	5.6
10°-20°	268.4	13.0
20°-30°	318.6	15.5
30°-40°	320.5	15.6
40°-50°	297.9	14.5
50°-60°	245.3	11.9
60°-70°	172.9	8.4
70°-80°	112.9	5.5
80°-90°	72.1	3.5
90°-100°	47.3	2.3
100°-110°	32.1	1.6
110°-120°	22.0	1.1
120°-130°	15.2	0.7
130°-140°	10.2	0.5
140°-150°	6.3	0.3
150°-160°	3.3	0.2
160°-170°	1.2	0.1
170°-180°	0.2	0.0
0°-30°	701.5	34.0
0°-40°	1022.0	49.6
0°-60°	1565.2	75.9
0°-90°	1923.2	93.3
90°-120°	101.4	4.9
90°-150°	133.2	6.5
90°-180°	138.0	6.7
0°-180°	2061.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1293	1293	1293	1293	1293	
5°	1299	1282	1236	1212	1199	124
15°	1267	1132	911	796	753	358
25°	1184	875	580	487	467	545
35°	1013	592	393	368	366	630
45°	728	390	305	321	329	559
55°	418	256	236	261	270	378
65°	197	154	162	182	189	199
75°	77	80	109	128	134	83
85°	13	37	73	95	99	16
90°	0	25	59	81	84	1
95°	0	18	50	68	71	0
105°	0	13	34	48	52	0
115°	1	11	24	35	37	1
125°	1	9	19	25	27	1
135°	1	8	15	19	20	1
145°	1	5	11	15	16	1
155°	1	4	8	11	12	1
165°	1	2	4	5	6	0
175°	2	2	2	2	1	0
180°	1	1	1	1	1	



TEST NUMBER: P565878

CATALOG NUMBER: 2SNX-SL3-LN-UNV-CC83-CD-5000K-MED

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1292.9	1292.9	1292.9	1292.9	1292.9
1°	1303.7	1298.3	1284.3	1294.0	1291.8
2°	1302.6	1297.2	1281.0	1285.4	1277.8
3°	1301.6	1294.0	1269.2	1268.1	1257.3
4°	1300.5	1288.6	1254.0	1241.1	1232.4
5°	1299.4	1282.1	1235.7	1211.9	1199.0
6°	1298.3	1274.6	1211.9	1176.3	1157.9
7°	1296.2	1262.7	1187.1	1138.5	1114.7
8°	1294.0	1251.9	1155.7	1097.4	1068.3
9°	1291.8	1237.8	1124.4	1053.1	1018.6
10°	1287.5	1223.8	1092.0	1007.8	971.0
11°	1285.4	1207.6	1060.7	964.6	921.4
12°	1281.0	1190.3	1027.2	919.2	881.4
13°	1276.7	1172.0	986.2	880.3	834.9
14°	1272.4	1152.5	950.5	837.1	795.0
15°	1267.0	1132.0	910.6	796.1	752.9
16°	1261.6	1108.2	874.9	753.9	708.6
17°	1256.2	1085.5	841.4	715.1	674.0
18°	1249.7	1062.9	802.5	677.2	637.3
19°	1241.1	1036.9	771.2	642.7	606.0
20°	1233.5	1013.2	735.6	610.3	577.9
21°	1224.9	984.0	699.9	580.0	547.6
22.5°	1211.9	943.0	654.6	542.2	512.0
23°	1205.4	931.1	636.2	528.2	502.3
24°	1196.8	899.8	606.0	506.6	480.7
25°	1183.8	874.9	580.0	487.1	466.6
26°	1172.0	844.7	554.1	469.9	449.3
27°	1160.1	815.5	531.4	451.5	434.2
28°	1144.9	785.3	506.6	436.4	421.3
29°	1128.7	757.2	486.1	423.4	411.5
30°	1112.5	725.9	468.8	411.5	401.8
32.5°	1067.2	656.7	424.5	388.9	382.4
35°	1013.2	591.9	393.2	368.3	366.2
37.5°	952.7	532.5	365.1	352.1	354.3
40°	881.4	478.5	341.3	340.2	344.6
42.5°	805.8	432.1	323.0	330.5	337.0
45°	728.0	389.9	304.6	320.8	329.4
47.5°	647.0	353.2	288.4	308.9	318.6
50°	564.9	317.6	271.1	294.9	304.6
52.5°	491.5	286.2	253.8	278.7	289.5
55°	418.0	256.0	235.5	261.4	270.0
57.5°	354.3	227.9	216.0	242.0	248.4
60°	294.9	200.9	196.6	220.3	227.9
62.5°	240.9	177.1	178.2	200.9	208.5
65°	196.6	154.5	162.0	182.5	189.0



TEST NUMBER: P565878

CATALOG NUMBER: 2SNX-SL3-LN-UNV-CC83-CD-5000K-MED

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	159.9	132.9	145.8	167.4	172.8
70°	126.4	113.4	132.9	152.3	157.7
72.5°	100.5	96.1	119.9	140.4	144.7
75°	76.7	79.9	109.1	128.5	133.9
77.5°	55.1	67.0	98.3	118.8	123.1
80°	38.9	55.1	89.7	110.2	114.5
82.5°	24.8	45.4	81.0	102.6	106.9
85°	13.0	36.7	73.4	95.1	99.4
87.5°	5.4	30.2	65.9	87.5	91.8
90°	0.0	24.8	59.4	81.0	84.3
92.5°	0.0	21.6	54.0	74.5	77.8
95°	0.0	18.4	49.7	68.0	71.3
97.5°	0.0	17.3	44.3	62.6	65.9
100°	0.0	15.1	40.0	57.2	61.6
102.5°	0.0	14.0	36.7	51.8	56.2
105°	0.0	13.0	33.5	47.5	51.8
107.5°	0.0	11.9	31.3	44.3	47.5
110°	0.0	11.9	28.1	41.0	44.3
112.5°	1.1	10.8	25.9	36.7	40.0
115°	1.1	10.8	23.8	34.6	36.7
117.5°	1.1	10.8	22.7	31.3	33.5
120°	1.1	9.7	21.6	29.2	31.3
122.5°	1.1	9.7	20.5	27.0	28.1
125°	1.1	8.6	19.4	24.8	27.0
127.5°	1.1	8.6	18.4	23.8	24.8
130°	1.1	8.6	17.3	21.6	23.8
132.5°	1.1	7.6	16.2	20.5	21.6
135°	1.1	7.6	15.1	19.4	20.5
137.5°	1.1	6.5	14.0	18.4	19.4
140°	1.1	6.5	13.0	17.3	18.4
142.5°	1.1	5.4	11.9	16.2	17.3
145°	1.1	5.4	10.8	15.1	16.2
147.5°	1.1	5.4	9.7	14.0	15.1
150°	1.1	4.3	8.6	13.0	14.0
152.5°	1.1	4.3	7.6	11.9	13.0
155°	1.1	4.3	7.6	10.8	11.9
157.5°	1.1	3.2	6.5	8.6	10.8
160°	1.1	3.2	5.4	7.6	9.7
162.5°	1.1	3.2	5.4	6.5	7.6
165°	1.1	2.2	4.3	5.4	6.5
167.5°	1.1	2.2	3.2	4.3	5.4
170°	1.1	2.2	3.2	3.2	4.3
172.5°	1.1	2.2	2.2	2.2	2.2
175°	2.2	2.2	2.2	2.2	1.1
177.5°	2.2	2.2	2.2	1.1	1.1



TEST NUMBER: P565878

CATALOG NUMBER: 2SNX-SL3-LN-UNV-CC83-CD-5000K-MED

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)