

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: P565839

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565839
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-15)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2SNX-SL3-FDL-UNV-CC83-CD-4000K-MED
Description: 2FT 3200 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 4000K, 80CRI, MED LUMEN SETTING, AND FDL LENS
Light Source: -
Ballast/Driver: -

Summary

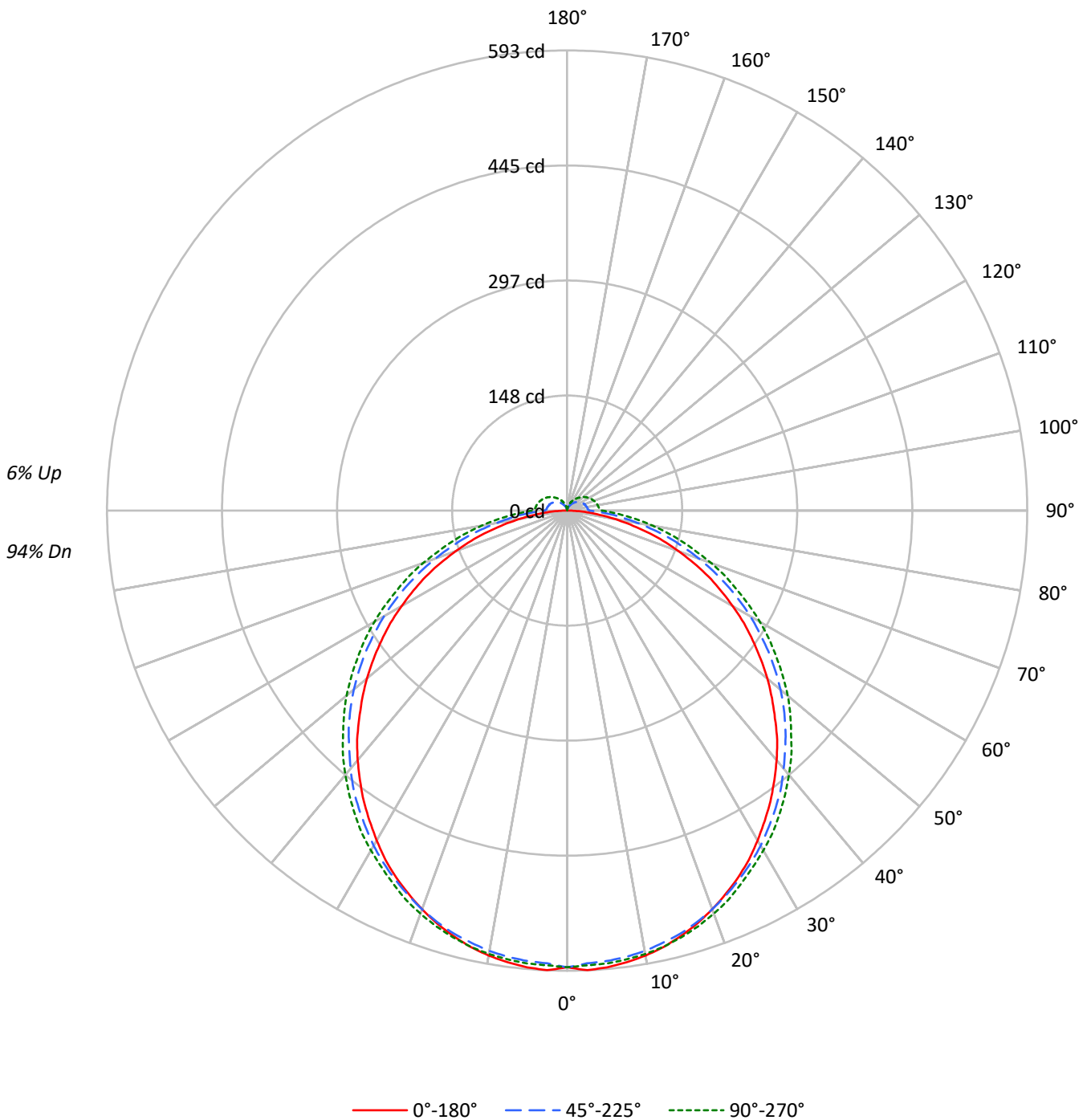
Lumens per Lamp: N/A
Luminaire Lumens: 1870.0 lumens
Efficiency: N/A
Efficacy: 140.3 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.04')
CIE Type: Direct

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

TEST NUMBER: P565839

CATALOG NUMBER: 2SNX-SL3-FDL-UNV-CC83-CD-4000K-MED

Luminous Intensity Polar Plot





TEST NUMBER: P565839

CATALOG NUMBER: 2SNX-SL3-FDL-UNV-CC83-CD-4000K-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	0
RCR																		
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	107	102	97	93	103	99	95	91	93	90	87	88	86	83	84	82	80	77
2	97	88	81	75	93	86	79	74	81	76	71	77	73	69	73	69	66	64
3	88	77	69	62	85	75	67	61	71	65	59	68	62	57	64	60	56	53
4	80	68	59	52	78	66	58	52	63	56	50	60	54	49	57	52	48	45
5	74	61	52	45	71	59	51	44	56	49	43	54	47	42	51	46	41	39
6	68	55	46	39	66	53	45	39	51	43	38	49	42	37	47	41	36	34
7	63	49	41	34	61	48	40	34	46	39	33	44	38	33	43	37	32	30
8	59	45	36	31	57	44	36	30	42	35	30	41	34	29	39	33	29	27
9	55	41	33	27	53	40	33	27	39	32	27	37	31	26	36	30	26	24
10	51	38	30	25	50	37	30	25	36	29	24	35	28	24	33	28	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	12669	12669	12669
5°	12744	12450	12477
10°	12680	12308	12321
15°	12573	12145	12144
20°	12430	11948	11938
25°	12271	11733	11692
30°	12055	11515	11467
35°	11838	11259	11230
40°	11598	10978	10964
45°	11297	10699	10655
50°	11007	10383	10372
55°	10647	9991	9980
60°	10239	9542	9592
65°	9801	9011	9059
70°	9067	8342	8505
75°	8181	7556	7846
80°	6863	6517	7113
85°	5147	5597	6249



TEST NUMBER: P565839

CATALOG NUMBER: 2SNX-SL3-FDL-UNV-CC83-CD-4000K-MED

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.8	3.0
10°-20°	160.1	8.6
20°-30°	242.7	13.0
30°-40°	293.0	15.7
40°-50°	305.9	16.4
50°-60°	281.1	15.0
60°-70°	222.3	11.9
70°-80°	140.7	7.5
80°-90°	60.5	3.2
90°-100°	26.6	1.4
100°-110°	23.8	1.3
110°-120°	20.1	1.1
120°-130°	15.7	0.8
130°-140°	10.9	0.6
140°-150°	6.5	0.3
150°-160°	3.2	0.2
160°-170°	1.1	0.1
170°-180°	0.2	0.0
0°-30°	458.6	24.5
0°-40°	751.6	40.2
0°-60°	1338.6	71.6
0°-90°	1762.0	94.2
90°-120°	70.6	3.8
90°-150°	103.6	5.5
90°-180°	108.0	5.8
0°-180°	1870.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	588	588	588	588	588	
5°	591	589	583	588	586	56
15°	567	567	564	570	569	160
25°	522	524	524	532	530	240
35°	457	462	468	476	477	286
45°	379	388	398	406	408	293
55°	292	304	317	327	329	261
65°	201	212	227	238	241	198
75°	106	119	136	147	153	112
85°	26	40	57	69	74	29
90°	2	14	29	41	45	2
95°	0	12	26	37	41	0
105°	0	11	25	35	38	0
115°	0	10	22	32	35	0
125°	1	9	19	27	30	1
135°	1	7	15	22	24	1
145°	1	5	11	16	18	0
155°	1	3	7	10	12	0
165°	1	2	4	5	7	0
175°	1	1	2	2	1	0
180°	1	1	1	1	1	



TEST NUMBER: P565839

CATALOG NUMBER: 2SNX-SL3-FDL-UNV-CC83-CD-4000K-MED

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	588.5	588.5	588.5	588.5	588.5
2.5°	592.8	590.8	584.1	588.8	586.5
5°	590.8	589.1	582.8	587.8	585.8
7.5°	587.1	585.8	580.2	585.5	583.5
10°	582.2	581.2	576.2	581.5	580.2
12.5°	575.9	575.5	570.6	576.5	575.5
15°	567.3	567.3	564.3	570.2	569.2
17.5°	558.0	558.3	556.0	562.3	561.6
20°	546.7	548.4	546.7	553.4	552.7
22.5°	534.5	536.8	536.1	542.8	543.1
25°	521.6	523.9	524.5	531.5	530.5
27.5°	507.3	511.0	512.3	518.6	518.2
30°	490.8	495.7	498.7	504.0	505.7
32.5°	473.9	479.8	483.5	490.8	492.8
35°	457.0	462.3	468.2	475.5	477.2
37.5°	438.4	444.4	452.4	459.3	461.3
40°	419.9	426.5	434.1	441.8	444.7
42.5°	400.7	407.6	415.9	424.9	427.8
45°	378.8	388.1	398.0	405.7	408.3
47.5°	358.0	368.2	378.8	387.1	390.1
50°	336.8	347.7	359.0	366.6	371.2
52.5°	314.6	326.5	337.8	347.4	350.4
55°	292.1	304.0	316.6	326.8	329.2
57.5°	270.2	281.8	294.4	304.0	308.6
60°	246.4	259.0	272.5	282.1	287.1
62.5°	223.2	235.4	250.0	260.3	264.3
65°	201.0	212.3	227.2	237.8	241.4
67.5°	176.5	189.4	203.7	215.9	220.5
70°	152.3	164.6	180.8	192.4	197.0
72.5°	129.8	141.7	158.0	169.5	173.9
75°	106.0	118.6	135.8	147.4	153.0
77.5°	83.1	97.0	113.6	126.2	132.5
80°	61.9	74.2	92.1	106.0	111.6
82.5°	42.1	55.3	73.8	86.8	93.1
85°	25.8	39.7	57.0	69.2	73.5
87.5°	12.3	25.5	41.4	53.3	58.6
90°	1.7	14.2	29.1	40.7	45.0
92.5°	0.3	12.3	26.8	37.8	41.7
95°	0.3	12.3	26.5	37.1	41.1
97.5°	0.3	11.9	26.2	36.8	40.4
100°	0.3	11.6	25.8	36.1	40.1
102.5°	0.3	11.6	25.2	35.4	39.1
105°	0.3	11.3	24.8	34.8	38.4
107.5°	0.3	10.9	24.2	34.1	37.8
110°	0.3	10.3	23.8	33.1	36.8



TEST NUMBER: P565839

CATALOG NUMBER: 2SNX-SL3-FDL-UNV-CC83-CD-4000K-MED

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.3	9.9	23.2	32.5	35.8
115°	0.3	9.6	22.5	31.5	34.8
117.5°	0.3	9.3	21.5	30.5	33.8
120°	0.7	9.3	20.9	29.5	32.5
122.5°	0.7	8.9	19.9	28.1	31.1
125°	0.7	8.6	18.9	27.2	30.1
127.5°	0.7	8.3	17.9	25.8	28.5
130°	0.7	7.6	17.2	24.5	27.2
132.5°	0.7	7.3	16.2	22.8	25.5
135°	0.7	6.6	15.2	21.5	24.2
137.5°	0.7	6.3	14.2	20.2	22.5
140°	0.7	6.0	12.9	18.9	21.2
142.5°	0.7	5.3	11.9	17.6	19.5
145°	0.7	5.0	10.6	16.2	17.9
147.5°	0.7	4.3	9.6	14.9	16.6
150°	0.7	4.0	8.6	13.6	15.2
152.5°	0.7	3.6	7.6	11.9	13.6
155°	0.7	3.3	7.0	10.3	12.3
157.5°	0.7	3.0	6.0	8.9	10.9
160°	1.0	2.6	5.3	7.6	9.3
162.5°	1.0	2.3	4.3	6.3	8.3
165°	1.0	2.3	3.6	5.0	7.0
167.5°	1.0	2.0	3.0	4.0	5.6
170°	1.0	1.7	2.6	3.0	4.3
172.5°	1.0	1.3	2.0	2.0	2.3
175°	1.0	1.3	1.7	1.7	1.0
177.5°	1.0	1.0	1.0	1.0	0.7
180°	1.0	1.0	1.0	1.0	1.0

(END OF REPORT)