

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: P565851

Luminaire Tested: **2SNX-SL3-FDL-UNV-CC93-CD-5000K-MED**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565851
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-CC93-CD-5000K-MED
Description: 2FT 3200 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 5000K, 90CRI, MED LUMEN SETTING, AND FDL LENS
Light Source: -
Ballast/Driver: -

Summary

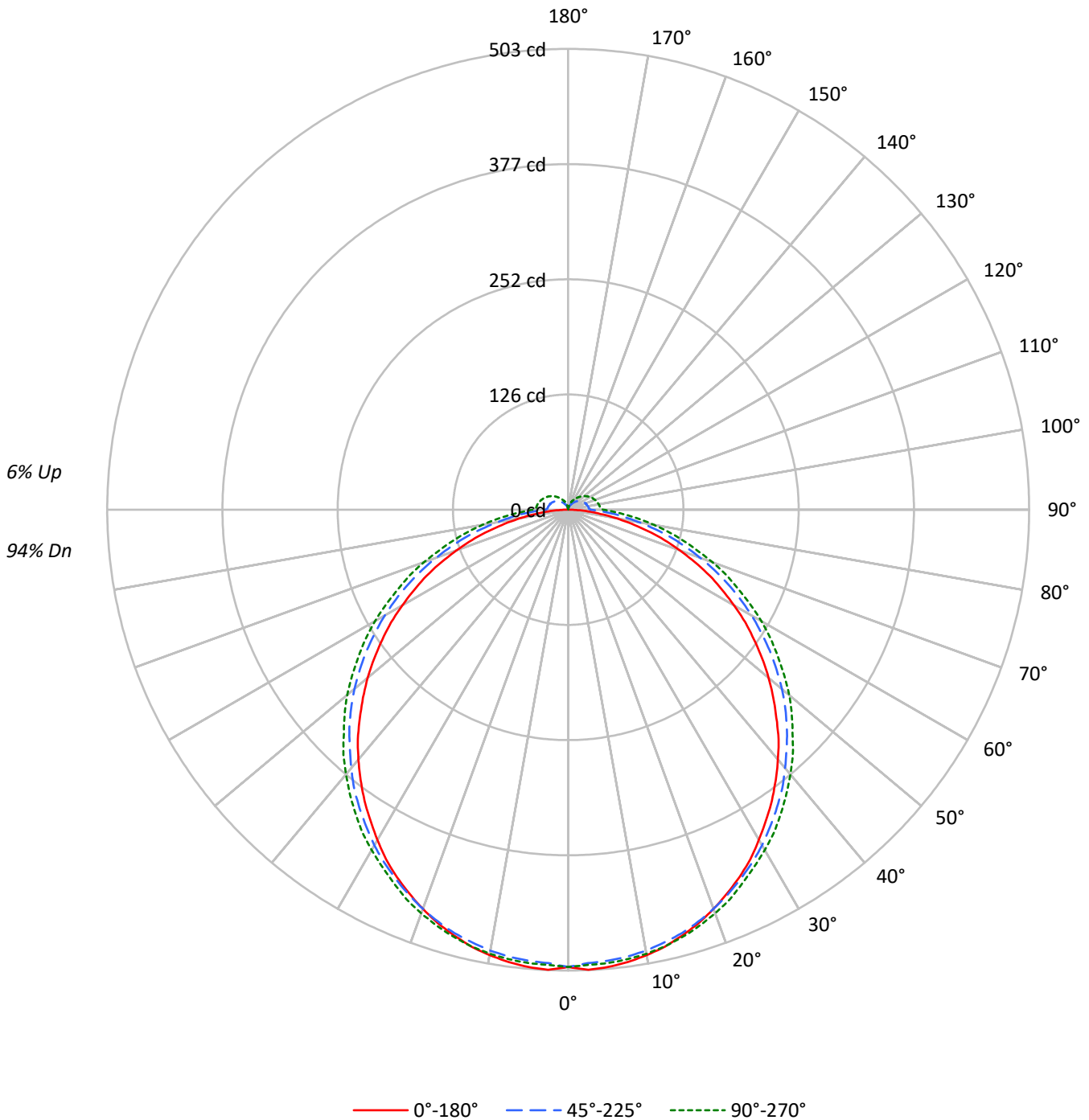
Lumens per Lamp: N/A
Luminaire Lumens: 1586.0 lumens
Efficiency: N/A
Efficacy: 119.0 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.04')
CIE Type: Direct

Input Watts (W): 13.332
Input Voltage (V): NR
Input Current (A_{in}): 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: P565851

CATALOG NUMBER: 2SNX-SL3-FDL-UNV-CC93-CD-5000K-MED

Luminous Intensity Polar Plot





TEST NUMBER: P565851

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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	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°	10745	10745	10745
5°	10809	10559	10582
10°	10753	10439	10450
15°	10663	10301	10300
20°	10543	10134	10126
25°	10407	9953	9916
30°	10223	9767	9726
35°	10040	9549	9524
40°	9835	9311	9300
45°	9582	9075	9037
50°	9333	8804	8796
55°	9028	8473	8464
60°	8685	8092	8136
65°	8314	7643	7682
70°	7692	7073	7214
75°	6938	6410	6656
80°	5821	5527	6029
85°	4369	4743	5306



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.3	3.0
10°-20°	135.8	8.6
20°-30°	205.8	13.0
30°-40°	248.5	15.7
40°-50°	259.5	16.4
50°-60°	238.4	15.0
60°-70°	188.5	11.9
70°-80°	119.3	7.5
80°-90°	51.3	3.2
90°-100°	22.6	1.4
100°-110°	20.2	1.3
110°-120°	17.1	1.1
120°-130°	13.3	0.8
130°-140°	9.2	0.6
140°-150°	5.5	0.3
150°-160°	2.7	0.2
160°-170°	0.9	0.1
170°-180°	0.1	0.0
0°-30°	389.0	24.5
0°-40°	637.5	40.2
0°-60°	1135.3	71.6
0°-90°	1494.4	94.2
90°-120°	59.8	3.8
90°-150°	87.9	5.5
90°-180°	92.0	5.8
0°-180°	1586.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	499	499	499	499	499	
5°	501	500	494	498	497	48
15°	481	481	479	484	483	136
25°	442	444	445	451	450	204
35°	388	392	397	403	405	242
45°	321	329	338	344	346	248
55°	248	258	268	277	279	222
65°	170	180	193	202	205	168
75°	90	100	115	125	130	95
85°	22	34	48	59	62	24
90°	1	12	25	34	38	2
95°	0	10	22	32	35	0
105°	0	10	21	30	33	0
115°	0	8	19	27	30	0
125°	1	7	16	23	26	1
135°	1	6	13	18	20	0
145°	1	4	9	14	15	0
155°	1	3	6	9	10	0
165°	1	2	3	4	6	0
175°	1	1	1	1	1	0
180°	1	1	1	1	1	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	499.1	499.1	499.1	499.1	499.1
2.5°	502.7	501.1	495.4	499.4	497.4
5°	501.1	499.6	494.3	498.5	496.8
7.5°	498.0	496.8	492.1	496.6	494.9
10°	493.7	492.9	488.7	493.2	492.1
12.5°	488.4	488.1	483.9	489.0	488.1
15°	481.1	481.1	478.6	483.6	482.8
17.5°	473.2	473.5	471.6	476.9	476.3
20°	463.7	465.1	463.7	469.3	468.8
22.5°	453.3	455.3	454.7	460.3	460.6
25°	442.4	444.3	444.9	450.8	449.9
27.5°	430.3	433.4	434.5	439.8	439.5
30°	416.2	420.4	423.0	427.5	428.9
32.5°	401.9	407.0	410.1	416.2	417.9
35°	387.6	392.1	397.1	403.3	404.7
37.5°	371.9	376.9	383.7	389.5	391.2
40°	356.1	361.7	368.2	374.7	377.2
42.5°	339.8	345.7	352.8	360.3	362.9
45°	321.3	329.2	337.6	344.1	346.3
47.5°	303.6	312.3	321.3	328.3	330.9
50°	285.6	294.9	304.4	310.9	314.8
52.5°	266.8	276.9	286.5	294.6	297.1
55°	247.7	257.8	268.5	277.2	279.2
57.5°	229.2	239.0	249.7	257.8	261.8
60°	209.0	219.6	231.1	239.3	243.5
62.5°	189.3	199.7	212.0	220.8	224.1
65°	170.5	180.0	192.7	201.7	204.7
67.5°	149.7	160.7	172.7	183.1	187.1
70°	129.2	139.6	153.3	163.2	167.1
72.5°	110.1	120.2	134.0	143.8	147.5
75°	89.9	100.5	115.2	125.0	129.8
77.5°	70.5	82.3	96.3	107.0	112.3
80°	52.5	62.9	78.1	89.9	94.6
82.5°	35.7	46.9	62.6	73.6	78.9
85°	21.9	33.7	48.3	58.7	62.4
87.5°	10.4	21.6	35.1	45.2	49.7
90°	1.4	12.1	24.7	34.5	38.2
92.5°	0.3	10.4	22.7	32.0	35.4
95°	0.3	10.4	22.5	31.5	34.8
97.5°	0.3	10.1	22.2	31.2	34.3
100°	0.3	9.8	21.9	30.6	34.0
102.5°	0.3	9.8	21.3	30.1	33.1
105°	0.3	9.5	21.1	29.5	32.6
107.5°	0.3	9.3	20.5	28.9	32.0
110°	0.3	8.7	20.2	28.1	31.2



TEST NUMBER: P565851

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.3	8.4	19.7	27.5	30.3
115°	0.3	8.1	19.1	26.7	29.5
117.5°	0.3	7.9	18.3	25.8	28.6
120°	0.6	7.9	17.7	25.0	27.5
122.5°	0.6	7.6	16.9	23.9	26.4
125°	0.6	7.3	16.0	23.0	25.6
127.5°	0.6	7.0	15.2	21.9	24.2
130°	0.6	6.5	14.6	20.8	23.0
132.5°	0.6	6.2	13.8	19.4	21.6
135°	0.6	5.6	12.9	18.3	20.5
137.5°	0.6	5.3	12.1	17.1	19.1
140°	0.6	5.1	11.0	16.0	18.0
142.5°	0.6	4.5	10.1	14.9	16.6
145°	0.6	4.2	9.0	13.8	15.2
147.5°	0.6	3.7	8.1	12.6	14.0
150°	0.6	3.4	7.3	11.5	12.9
152.5°	0.6	3.1	6.5	10.1	11.5
155°	0.6	2.8	5.9	8.7	10.4
157.5°	0.6	2.5	5.1	7.6	9.3
160°	0.8	2.2	4.5	6.5	7.9
162.5°	0.8	2.0	3.7	5.3	7.0
165°	0.8	2.0	3.1	4.2	5.9
167.5°	0.8	1.7	2.5	3.4	4.8
170°	0.8	1.4	2.2	2.5	3.7
172.5°	0.8	1.1	1.7	1.7	2.0
175°	0.8	1.1	1.4	1.4	0.8
177.5°	0.8	0.8	0.8	0.8	0.6
180°	0.8	0.8	0.8	0.8	0.8

(END OF REPORT)