

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: P565850

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565850
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-LOW
Description: 2FT 3200 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 5000K, 90CRI, LOW LUMEN SETTING, AND FDL LENS
Light Source: -
Ballast/Driver: -

Summary

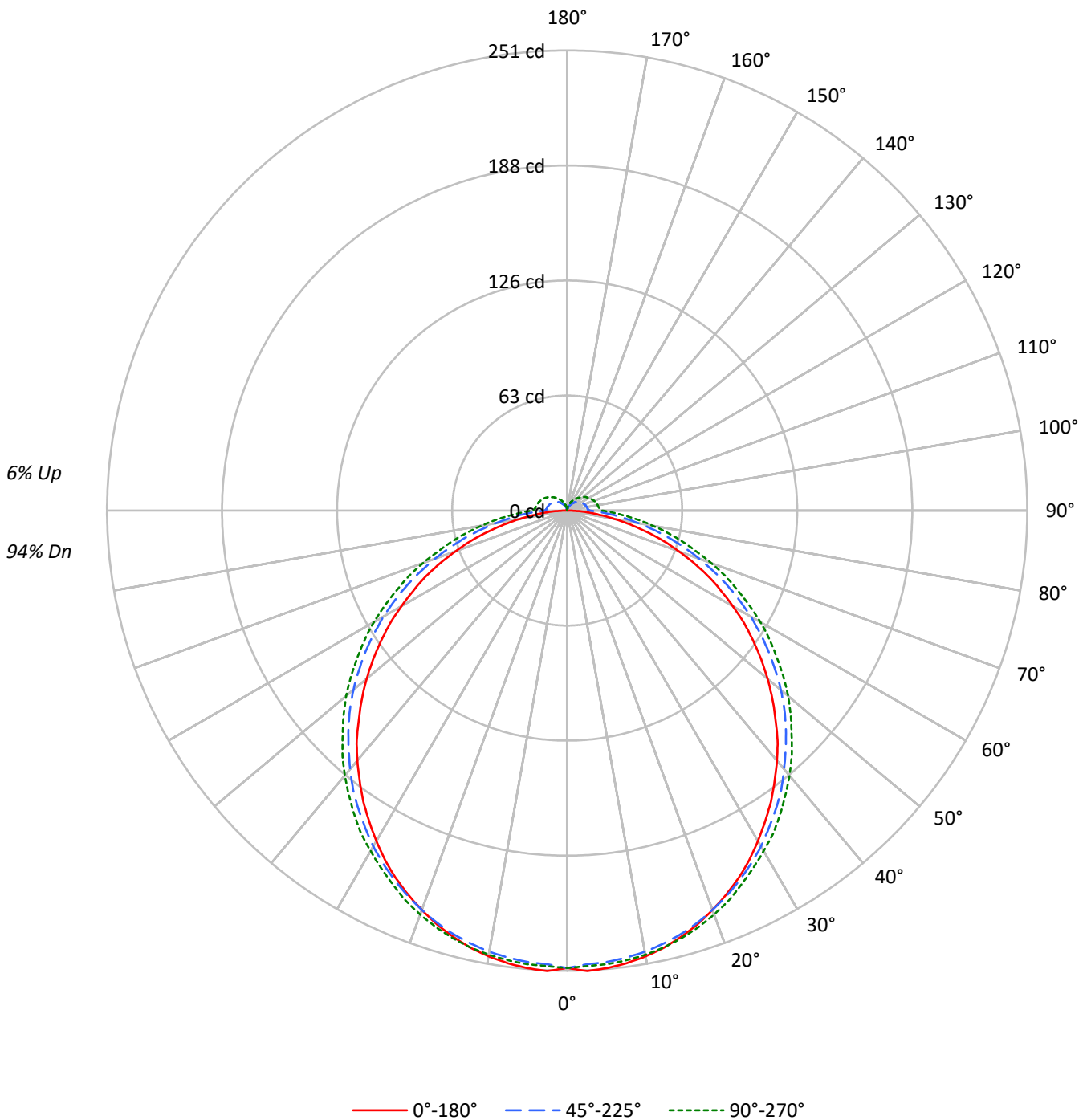
Lumens per Lamp: N/A
Luminaire Lumens: 793.0 lumens
Efficiency: N/A
Efficacy: 120.2 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.04')
CIE Type: Direct

Input Watts (W): 6.6
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: P565850

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

Luminous Intensity Polar Plot





TEST NUMBER: P565850

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

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°	5371	5371	5371
5°	5403	5281	5291
10°	5377	5218	5224
15°	5333	5150	5150
20°	5270	5066	5063
25°	5204	4975	4959
30°	5112	4884	4862
35°	5020	4776	4763
40°	4919	4656	4650
45°	4793	4538	4517
50°	4667	4402	4398
55°	4516	4238	4232
60°	4343	4048	4069
65°	4154	3819	3843
70°	3846	3539	3609
75°	3465	3205	3328
80°	2916	2760	3015
85°	2194	2376	2653



TEST NUMBER: P565850

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.7	3.0
10°-20°	67.9	8.6
20°-30°	102.9	13.0
30°-40°	124.2	15.7
40°-50°	129.7	16.4
50°-60°	119.2	15.0
60°-70°	94.2	11.9
70°-80°	59.7	7.5
80°-90°	25.7	3.2
90°-100°	11.3	1.4
100°-110°	10.1	1.3
110°-120°	8.5	1.1
120°-130°	6.7	0.8
130°-140°	4.6	0.6
140°-150°	2.8	0.3
150°-160°	1.3	0.2
160°-170°	0.5	0.1
170°-180°	0.1	0.0
0°-30°	194.5	24.5
0°-40°	318.7	40.2
0°-60°	567.7	71.6
0°-90°	747.2	94.2
90°-120°	29.9	3.8
90°-150°	43.9	5.5
90°-180°	46.0	5.8
0°-180°	793.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	250	250	250	250	250	
5°	250	250	247	249	248	24
15°	241	241	239	242	241	68
25°	221	222	222	225	225	102
35°	194	196	199	202	202	121
45°	161	165	169	172	173	124
55°	124	129	134	139	140	111
65°	85	90	96	101	102	84
75°	45	50	58	62	65	48
85°	11	17	24	29	31	12
90°	1	6	12	17	19	1
95°	0	5	11	16	17	0
105°	0	5	10	15	16	0
115°	0	4	10	13	15	0
125°	0	4	8	12	13	0
135°	0	3	6	9	10	0
145°	0	2	4	7	8	0
155°	0	1	3	4	5	0
165°	0	1	2	2	3	0
175°	0	1	1	1	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P565850

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

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	249.5	249.5	249.5	249.5	249.5
2.5°	251.4	250.5	247.7	249.7	248.7
5°	250.5	249.8	247.2	249.3	248.4
7.5°	249.0	248.4	246.0	248.3	247.4
10°	246.9	246.5	244.3	246.6	246.0
12.5°	244.2	244.1	242.0	244.5	244.1
15°	240.6	240.6	239.3	241.8	241.4
17.5°	236.6	236.8	235.8	238.4	238.2
20°	231.8	232.6	231.8	234.7	234.4
22.5°	226.7	227.6	227.4	230.2	230.3
25°	221.2	222.2	222.4	225.4	225.0
27.5°	215.1	216.7	217.2	219.9	219.8
30°	208.1	210.2	211.5	213.7	214.4
32.5°	201.0	203.5	205.0	208.1	209.0
35°	193.8	196.0	198.6	201.7	202.4
37.5°	185.9	188.5	191.8	194.8	195.6
40°	178.1	180.9	184.1	187.3	188.6
42.5°	169.9	172.9	176.4	180.2	181.4
45°	160.7	164.6	168.8	172.0	173.1
47.5°	151.8	156.2	160.7	164.2	165.4
50°	142.8	147.5	152.2	155.5	157.4
52.5°	133.4	138.5	143.2	147.3	148.6
55°	123.9	128.9	134.3	138.6	139.6
57.5°	114.6	119.5	124.8	128.9	130.9
60°	104.5	109.8	115.6	119.6	121.8
62.5°	94.6	99.8	106.0	110.4	112.1
65°	85.2	90.0	96.3	100.8	102.4
67.5°	74.8	80.3	86.4	91.6	93.5
70°	64.6	69.8	76.7	81.6	83.6
72.5°	55.0	60.1	67.0	71.9	73.7
75°	44.9	50.3	57.6	62.5	64.9
77.5°	35.2	41.1	48.2	53.5	56.2
80°	26.3	31.5	39.0	44.9	47.3
82.5°	17.8	23.5	31.3	36.8	39.5
85°	11.0	16.9	24.2	29.3	31.2
87.5°	5.2	10.8	17.6	22.6	24.9
90°	0.7	6.0	12.4	17.3	19.1
92.5°	0.1	5.2	11.4	16.0	17.7
95°	0.1	5.2	11.2	15.7	17.4
97.5°	0.1	5.1	11.1	15.6	17.1
100°	0.1	4.9	11.0	15.3	17.0
102.5°	0.1	4.9	10.7	15.0	16.6
105°	0.1	4.8	10.5	14.7	16.3
107.5°	0.1	4.6	10.3	14.5	16.0
110°	0.1	4.4	10.1	14.0	15.6



TEST NUMBER: P565850

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

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.1	4.2	9.8	13.8	15.2
115°	0.1	4.1	9.5	13.3	14.7
117.5°	0.1	3.9	9.1	12.9	14.3
120°	0.3	3.9	8.8	12.5	13.8
122.5°	0.3	3.8	8.4	11.9	13.2
125°	0.3	3.7	8.0	11.5	12.8
127.5°	0.3	3.5	7.6	11.0	12.1
130°	0.3	3.2	7.3	10.4	11.5
132.5°	0.3	3.1	6.9	9.7	10.8
135°	0.3	2.8	6.5	9.1	10.3
137.5°	0.3	2.7	6.0	8.6	9.5
140°	0.3	2.5	5.5	8.0	9.0
142.5°	0.3	2.2	5.1	7.4	8.3
145°	0.3	2.1	4.5	6.9	7.6
147.5°	0.3	1.8	4.1	6.3	7.0
150°	0.3	1.7	3.7	5.8	6.5
152.5°	0.3	1.5	3.2	5.1	5.8
155°	0.3	1.4	2.9	4.4	5.2
157.5°	0.3	1.3	2.5	3.8	4.6
160°	0.4	1.1	2.2	3.2	3.9
162.5°	0.4	1.0	1.8	2.7	3.5
165°	0.4	1.0	1.5	2.1	2.9
167.5°	0.4	0.8	1.3	1.7	2.4
170°	0.4	0.7	1.1	1.3	1.8
172.5°	0.4	0.6	0.8	0.8	1.0
175°	0.4	0.6	0.7	0.7	0.4
177.5°	0.4	0.4	0.4	0.4	0.3
180°	0.4	0.4	0.4	0.4	0.4

(END OF REPORT)