

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: P565847

Luminaire Tested: **2SNX-SL3-FDL-UNV-CC93-CD-4000K-LOW**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565847
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-4000K-LOW
Description: 2FT 3200 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 4000K, 90CRI, LOW LUMEN SETTING, AND FDL LENS
Light Source: -
Ballast/Driver: -

Summary

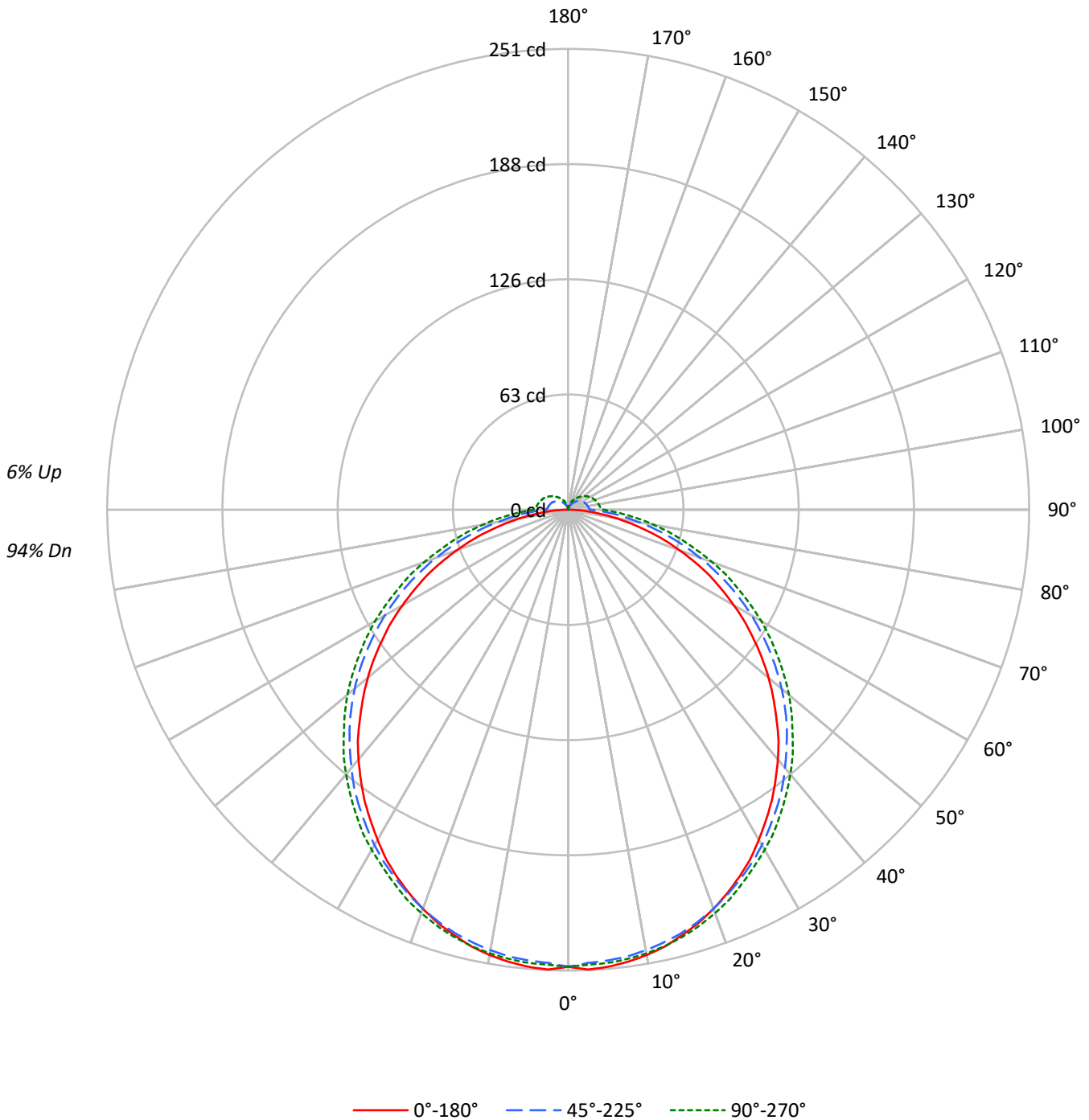
Lumens per Lamp: N/A
Luminaire Lumens: 790.9 lumens
Efficiency: N/A
Efficacy: 118.7 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.04')
CIE Type: Direct

Input Watts (W): 6.666
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

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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	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°	5358	5358	5358
5°	5391	5266	5278
10°	5364	5206	5211
15°	5317	5137	5137
20°	5259	5055	5050
25°	5190	4964	4946
30°	5099	4872	4850
35°	5007	4764	4749
40°	4905	4643	4638
45°	4778	4527	4507
50°	4657	4390	4387
55°	4501	4226	4220
60°	4330	4037	4056
65°	4145	3812	3831
70°	3834	3529	3596
75°	3458	3194	3318
80°	2905	2753	3008
85°	2175	2367	2644



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.6	3.0
10°-20°	67.7	8.6
20°-30°	102.7	13.0
30°-40°	123.9	15.7
40°-50°	129.4	16.4
50°-60°	118.9	15.0
60°-70°	94.0	11.9
70°-80°	59.5	7.5
80°-90°	25.6	3.2
90°-100°	11.2	1.4
100°-110°	10.1	1.3
110°-120°	8.5	1.1
120°-130°	6.6	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°	194.0	24.5
0°-40°	317.9	40.2
0°-60°	566.2	71.6
0°-90°	745.3	94.2
90°-120°	29.8	3.8
90°-150°	43.8	5.5
90°-180°	46.0	5.8
0°-180°	790.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	249	249	249	249	249	
5°	250	249	246	249	248	24
15°	240	240	239	241	241	68
25°	221	222	222	225	224	102
35°	193	196	198	201	202	121
45°	160	164	168	172	173	124
55°	124	129	134	138	139	111
65°	85	90	96	101	102	84
75°	45	50	57	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



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	248.9	248.9	248.9	248.9	248.9
2.5°	250.7	249.9	247.1	249.1	248.1
5°	249.9	249.2	246.5	248.6	247.8
7.5°	248.4	247.8	245.4	247.7	246.8
10°	246.3	245.8	243.7	246.0	245.4
12.5°	243.6	243.4	241.3	243.9	243.4
15°	239.9	239.9	238.7	241.2	240.8
17.5°	236.0	236.2	235.2	237.8	237.6
20°	231.3	232.0	231.3	234.1	233.8
22.5°	226.1	227.1	226.8	229.6	229.7
25°	220.6	221.6	221.9	224.8	224.4
27.5°	214.6	216.1	216.7	219.4	219.2
30°	207.6	209.7	211.0	213.2	213.9
32.5°	200.4	203.0	204.5	207.6	208.4
35°	193.3	195.5	198.1	201.1	201.8
37.5°	185.5	188.0	191.3	194.3	195.1
40°	177.6	180.4	183.6	186.9	188.1
42.5°	169.5	172.4	175.9	179.7	181.0
45°	160.2	164.2	168.4	171.6	172.7
47.5°	151.4	155.8	160.2	163.7	165.0
50°	142.5	147.1	151.8	155.1	157.0
52.5°	133.1	138.1	142.9	146.9	148.2
55°	123.5	128.6	133.9	138.3	139.2
57.5°	114.3	119.2	124.5	128.6	130.5
60°	104.2	109.5	115.3	119.3	121.4
62.5°	94.4	99.6	105.8	110.1	111.8
65°	85.0	89.8	96.1	100.6	102.1
67.5°	74.7	80.1	86.1	91.3	93.3
70°	64.4	69.6	76.5	81.4	83.3
72.5°	54.9	60.0	66.8	71.7	73.5
75°	44.8	50.1	57.4	62.3	64.7
77.5°	35.2	41.0	48.0	53.4	56.0
80°	26.2	31.4	38.9	44.8	47.2
82.5°	17.8	23.4	31.2	36.7	39.4
85°	10.9	16.8	24.1	29.3	31.1
87.5°	5.2	10.8	17.5	22.6	24.8
90°	0.7	6.0	12.3	17.2	19.1
92.5°	0.1	5.2	11.3	16.0	17.6
95°	0.1	5.2	11.2	15.7	17.4
97.5°	0.1	5.0	11.1	15.5	17.1
100°	0.1	4.9	10.9	15.3	16.9
102.5°	0.1	4.9	10.6	15.0	16.5
105°	0.1	4.8	10.5	14.7	16.2
107.5°	0.1	4.6	10.2	14.4	16.0
110°	0.1	4.3	10.1	14.0	15.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.1	4.2	9.8	13.7	15.1
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	13.7
122.5°	0.3	3.8	8.4	11.9	13.2
125°	0.3	3.6	8.0	11.5	12.7
127.5°	0.3	3.5	7.6	10.9	12.0
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	6.4	9.1	10.2
137.5°	0.3	2.7	6.0	8.5	9.5
140°	0.3	2.5	5.5	8.0	9.0
142.5°	0.3	2.2	5.0	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	3.6	5.7	6.4
152.5°	0.3	1.5	3.2	5.0	5.7
155°	0.3	1.4	2.9	4.3	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)