

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: P567056

Luminaire Tested: **4SNX-SL3-FDL-UNV-CC93-CD-3500K-LOW**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567056
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: 4SNX-SL3-FDL-UNV-CC93-CD-3500K-LOW
Description: 4FT 6000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 3500K, 90CRI, LOW LUMEN SETTING, AND FDL LENS
Light Source: -
Ballast/Driver: -

Summary

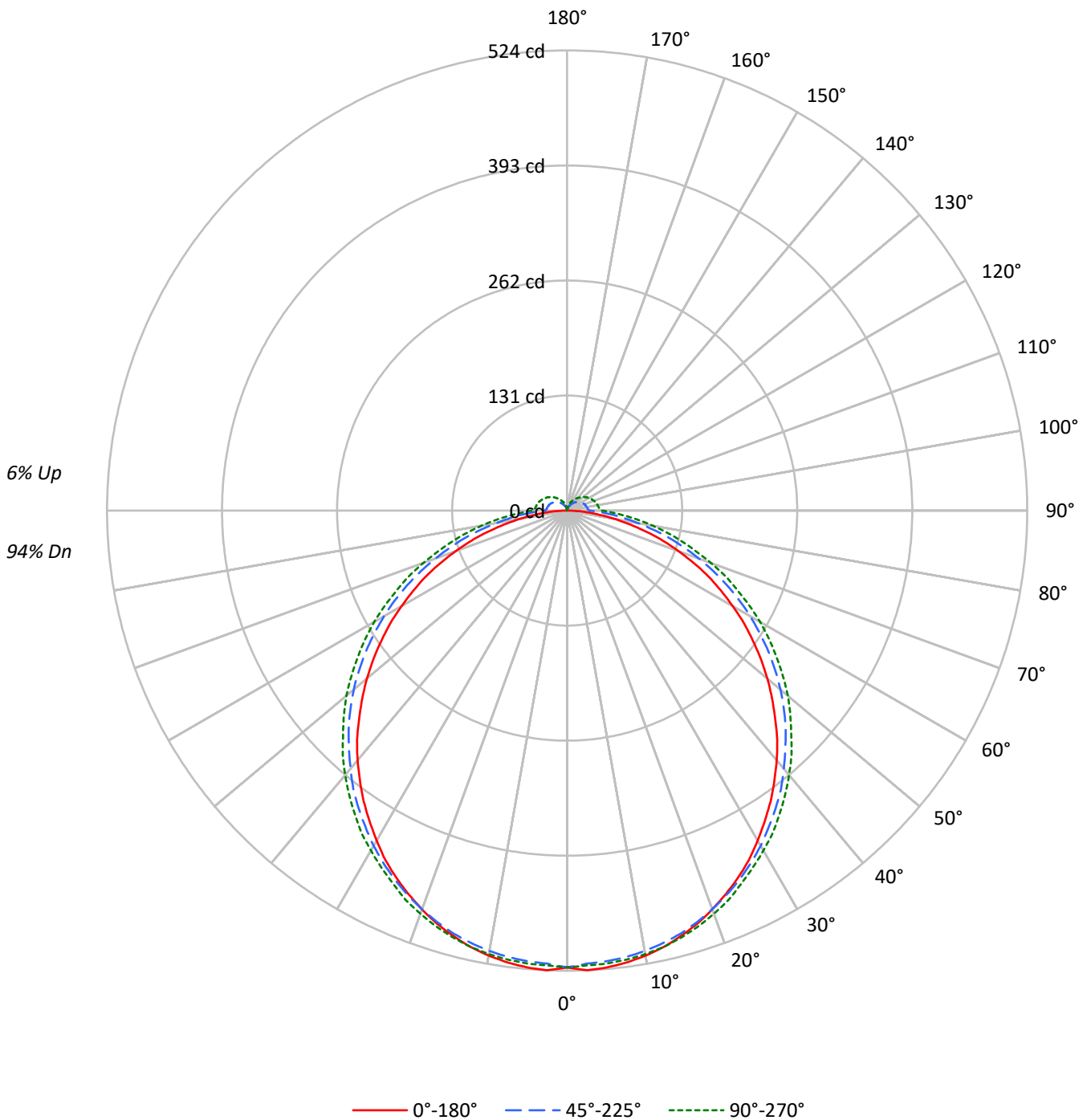
Lumens per Lamp: N/A
Luminaire Lumens: 1653.0 lumens
Efficiency: N/A
Efficacy: 98.8 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.04')
CIE Type: Direct

Input Watts (W): 16.731
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°	5599	5599	5599
5°	5637	5506	5514
10°	5614	5446	5445
15°	5572	5378	5368
20°	5515	5295	5277
25°	5449	5203	5167
30°	5360	5109	5068
35°	5270	5000	4963
40°	5171	4880	4846
45°	5045	4761	4709
50°	4924	4623	4584
55°	4774	4454	4411
60°	4606	4262	4240
65°	4427	4032	4004
70°	4121	3742	3760
75°	3751	3401	3467
80°	3202	2950	3142
85°	2516	2555	2763



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.3	3.0
10°-20°	141.6	8.6
20°-30°	214.5	13.0
30°-40°	259.0	15.7
40°-50°	270.4	16.4
50°-60°	248.4	15.0
60°-70°	196.5	11.9
70°-80°	124.3	7.5
80°-90°	53.4	3.2
90°-100°	23.5	1.4
100°-110°	21.1	1.3
110°-120°	17.8	1.1
120°-130°	13.9	0.8
130°-140°	9.6	0.6
140°-150°	5.8	0.3
150°-160°	2.8	0.2
160°-170°	1.0	0.1
170°-180°	0.1	0.0
0°-30°	405.4	24.5
0°-40°	664.4	40.2
0°-60°	1183.2	71.6
0°-90°	1557.5	94.2
90°-120°	62.4	3.8
90°-150°	91.6	5.5
90°-180°	96.0	5.8
0°-180°	1653.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	520	520	520	520	520	
5°	522	521	515	520	518	50
15°	501	501	499	504	503	141
25°	461	463	464	470	469	212
35°	404	409	414	420	422	253
45°	335	343	352	359	361	259
55°	258	269	280	289	291	231
65°	178	188	201	210	213	175
75°	94	105	120	130	135	99
85°	23	35	50	61	65	25
90°	2	13	26	36	40	2
95°	0	11	23	33	36	0
105°	0	10	22	31	34	0
115°	0	8	20	28	31	0
125°	1	8	17	24	27	1
135°	1	6	14	19	21	0
145°	1	4	9	14	16	0
155°	1	3	6	9	11	0
165°	1	2	3	4	6	0
175°	1	1	2	2	1	0
180°	1	1	1	1	1	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	520.2	520.2	520.2	520.2	520.2
2.5°	524.0	522.2	516.4	520.5	518.4
5°	522.2	520.8	515.2	519.6	517.8
7.5°	519.0	517.8	512.8	517.5	515.8
10°	514.6	513.7	509.3	514.0	512.8
12.5°	509.0	508.8	504.4	509.6	508.8
15°	501.4	501.4	498.8	504.1	503.2
17.5°	493.2	493.5	491.5	497.0	496.5
20°	483.3	484.7	483.3	489.1	488.6
22.5°	472.5	474.5	473.9	479.8	480.1
25°	461.0	463.1	463.7	469.8	468.9
27.5°	448.5	451.7	452.8	458.4	458.1
30°	433.8	438.2	440.8	445.5	447.0
32.5°	418.9	424.2	427.4	433.8	435.6
35°	404.0	408.6	413.9	420.3	421.8
37.5°	387.6	392.8	399.9	406.0	407.8
40°	371.2	377.0	383.8	390.5	393.1
42.5°	354.2	360.3	367.7	375.6	378.2
45°	334.9	343.1	351.9	358.6	360.9
47.5°	316.4	325.5	334.9	342.2	344.8
50°	297.7	307.4	317.3	324.0	328.1
52.5°	278.1	288.6	298.6	307.1	309.7
55°	258.2	268.7	279.8	288.9	291.0
57.5°	238.9	249.1	260.2	268.7	272.8
60°	217.8	228.9	240.9	249.4	253.8
62.5°	197.3	208.1	221.0	230.1	233.6
65°	177.7	187.6	200.8	210.2	213.4
67.5°	156.0	167.4	180.0	190.9	195.0
70°	134.7	145.5	159.8	170.1	174.2
72.5°	114.7	125.3	139.6	149.9	153.7
75°	93.7	104.8	120.0	130.3	135.2
77.5°	73.5	85.8	100.4	111.5	117.1
80°	54.7	65.6	81.4	93.7	98.6
82.5°	37.2	48.9	65.3	76.7	82.3
85°	22.8	35.1	50.3	61.2	65.0
87.5°	10.8	22.5	36.6	47.1	51.8
90°	1.5	12.6	25.8	36.0	39.8
92.5°	0.3	10.8	23.7	33.4	36.9
95°	0.3	10.8	23.4	32.8	36.3
97.5°	0.3	10.5	23.1	32.5	35.7
100°	0.3	10.2	22.8	31.9	35.4
102.5°	0.3	10.2	22.2	31.3	34.5
105°	0.3	10.0	22.0	30.7	34.0
107.5°	0.3	9.7	21.4	30.2	33.4
110°	0.3	9.1	21.1	29.3	32.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.3	8.8	20.5	28.7	31.6
115°	0.3	8.5	19.9	27.8	30.7
117.5°	0.3	8.2	19.0	26.9	29.9
120°	0.6	8.2	18.4	26.1	28.7
122.5°	0.6	7.9	17.6	24.9	27.5
125°	0.6	7.6	16.7	24.0	26.6
127.5°	0.6	7.3	15.8	22.8	25.2
130°	0.6	6.7	15.2	21.7	24.0
132.5°	0.6	6.4	14.3	20.2	22.5
135°	0.6	5.9	13.5	19.0	21.4
137.5°	0.6	5.6	12.6	17.9	19.9
140°	0.6	5.3	11.4	16.7	18.7
142.5°	0.6	4.7	10.5	15.5	17.3
145°	0.6	4.4	9.4	14.3	15.8
147.5°	0.6	3.8	8.5	13.2	14.6
150°	0.6	3.5	7.6	12.0	13.5
152.5°	0.6	3.2	6.7	10.5	12.0
155°	0.6	2.9	6.1	9.1	10.8
157.5°	0.6	2.6	5.3	7.9	9.7
160°	0.9	2.3	4.7	6.7	8.2
162.5°	0.9	2.0	3.8	5.6	7.3
165°	0.9	2.0	3.2	4.4	6.1
167.5°	0.9	1.8	2.6	3.5	5.0
170°	0.9	1.5	2.3	2.6	3.8
172.5°	0.9	1.2	1.8	1.8	2.0
175°	0.9	1.2	1.5	1.5	0.9
177.5°	0.9	0.9	0.9	0.9	0.6
180°	0.9	0.9	0.9	0.9	0.9

(END OF REPORT)