

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: P567064

Luminaire Tested: **4SNX-SL3-LC-UNV-CC83-CD-3500K-HI**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567064
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2205-663-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-SL3-LC-UNV-CC83-CD-3500K-HI
Description: 4FT 6000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 3500K, 80CRI, HI LUMEN SETTING, AND LC LENS
Light Source: -
Ballast/Driver: -

Summary

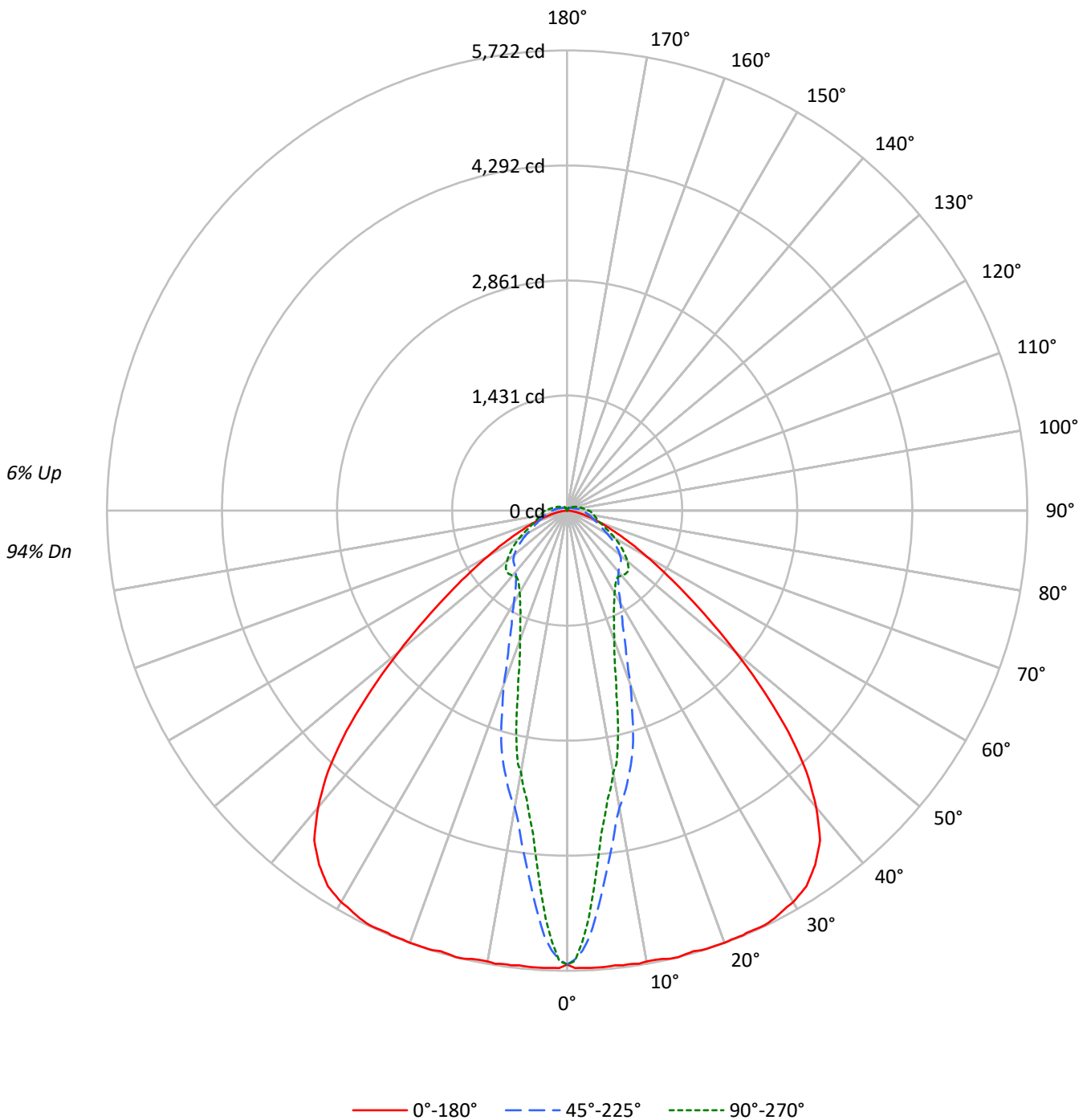
Lumens per Lamp: N/A
Luminaire Lumens: 6957.0 lumens
Efficiency: N/A
Efficacy: 137.2 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 50.7
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

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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	96	96	96	94
1	108	103	99	96	105	101	97	94	95	92	90	90	88	86	86	84	82	80
2	99	92	86	80	96	89	84	79	85	80	76	81	77	74	77	74	71	69
3	92	82	75	69	89	80	73	68	76	71	66	73	68	64	70	66	62	60
4	85	74	66	60	82	72	65	59	69	63	58	66	61	56	63	59	55	53
5	79	67	59	53	76	66	58	52	63	56	51	60	55	50	58	53	49	47
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	53	48	44	42
7	69	56	48	43	67	55	48	42	53	46	42	51	45	41	50	44	40	38
8	64	52	44	39	63	51	44	39	49	43	38	48	42	37	46	41	37	35
9	61	48	41	36	59	47	40	35	46	39	35	44	39	34	43	38	34	32
10	57	45	38	33	56	44	37	33	43	37	32	42	36	32	40	35	31	30

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	60750	60750	60750
5°	61298	49897	44663
10°	61779	37668	32324
15°	62905	30791	22383
20°	64527	22280	15808
25°	66542	15962	12436
30°	68241	12752	10591
35°	68646	10787	9486
40°	65443	9806	9509
45°	56791	9474	9769
50°	43569	9010	9116
55°	31574	7879	8089
60°	22908	6575	6839
65°	16673	5560	5606
70°	12284	4911	4835
75°	8724	4547	4506
80°	5721	4258	4438
85°	2685	4059	4444



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	443.8	6.4
10°-20°	963.8	13.9
20°-30°	1103.2	15.9
30°-40°	1105.2	15.9
40°-50°	1046.2	15.0
50°-60°	802.4	11.5
60°-70°	517.2	7.4
70°-80°	329.8	4.7
80°-90°	219.0	3.1
90°-100°	147.2	2.1
100°-110°	97.0	1.4
110°-120°	67.5	1.0
120°-130°	47.1	0.7
130°-140°	32.7	0.5
140°-150°	20.0	0.3
150°-160°	10.2	0.1
160°-170°	3.9	0.1
170°-180°	0.8	0.0
0°-30°	2510.9	36.1
0°-40°	3616.1	52.0
0°-60°	5464.7	78.6
0°-90°	6530.7	93.9
90°-120°	311.7	4.5
90°-150°	411.5	5.9
90°-180°	426.0	6.1
0°-180°	6957.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5644	5644	5644	5644	5644	
5°	5694	5380	4820	4496	4375	544
15°	5708	4111	3134	2574	2367	1619
25°	5712	2909	1658	1440	1373	2633
35°	5376	1619	1109	1073	1059	3336
45°	3886	1023	934	1034	1070	2955
55°	1783	731	720	809	841	1639
65°	713	460	453	517	535	733
75°	242	250	314	360	378	267
85°	32	114	221	289	310	44
90°	0	78	185	257	267	1
95°	0	57	153	210	221	0
105°	0	43	100	143	153	2
115°	4	36	75	103	110	4
125°	4	32	64	75	78	3
135°	4	25	50	61	64	3
145°	4	18	36	46	50	2
155°	4	11	21	32	36	2
165°	7	7	14	18	21	2
175°	7	7	7	7	4	1
180°	7	7	7	7	7	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5643.9	5643.9	5643.9	5643.9	5643.9
1°	5690.2	5658.1	5583.2	5604.6	5601.1
2°	5690.2	5622.5	5476.3	5433.5	5369.3
3°	5693.8	5561.9	5312.3	5173.2	5084.1
4°	5693.8	5472.7	5069.8	4838.1	4724.0
5°	5693.8	5380.0	4820.3	4495.8	4374.6
6°	5686.6	5269.5	4567.1	4224.9	4043.0
7°	5697.3	5148.3	4339.0	3971.7	3829.1
8°	5693.8	5005.7	4128.6	3779.2	3622.3
9°	5704.5	4866.6	3900.4	3597.4	3479.7
10°	5693.8	4738.3	3750.7	3426.2	3305.0
11°	5693.8	4613.5	3643.7	3315.7	3212.3
12°	5700.9	4470.9	3526.1	3158.8	3016.2
13°	5718.7	4324.7	3390.6	2987.7	2820.1
14°	5722.3	4214.2	3265.8	2770.2	2595.5
15°	5708.0	4110.8	3133.9	2574.1	2367.4
16°	5700.9	4003.8	2977.0	2388.7	2203.3
17°	5715.2	3879.0	2798.8	2199.8	2028.7
18°	5718.7	3764.9	2609.8	2057.2	1907.4
19°	5718.7	3675.8	2456.5	1925.3	1796.9
20°	5718.7	3590.2	2299.6	1825.4	1714.9
21°	5711.6	3483.3	2121.3	1722.0	1629.3
22.5°	5715.2	3283.6	1918.1	1600.8	1525.9
23°	5704.5	3233.7	1868.2	1568.7	1490.3
24°	5708.0	3091.1	1761.3	1504.6	1429.7
25°	5711.6	2909.3	1657.9	1440.4	1372.6
26°	5704.5	2763.1	1572.3	1379.8	1333.4
27°	5686.6	2645.4	1511.7	1329.9	1287.1
28°	5661.7	2488.6	1447.5	1287.1	1247.9
29°	5636.7	2310.3	1383.3	1240.7	1212.2
30°	5622.5	2167.7	1322.7	1205.1	1180.1
32.5°	5536.9	1886.0	1197.9	1133.8	1112.4
35°	5376.5	1618.6	1108.8	1073.2	1058.9
37.5°	5166.1	1411.9	1041.1	1033.9	1037.5
40°	4820.3	1247.9	991.2	1023.2	1055.3
42.5°	4406.7	1119.5	955.5	1033.9	1069.6
45°	3886.2	1023.2	934.1	1033.9	1069.6
47.5°	3308.6	944.8	909.1	998.3	1033.9
50°	2731.0	873.5	859.2	944.8	976.9
52.5°	2221.2	805.8	795.1	877.1	909.1
55°	1782.6	730.9	720.2	809.3	841.4
57.5°	1429.7	659.6	648.9	730.9	763.0
60°	1140.9	588.3	570.4	652.4	684.5
62.5°	909.1	520.5	509.8	581.1	609.7
65°	713.1	459.9	452.8	517.0	534.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	563.3	402.9	406.4	459.9	481.3
70°	435.0	349.4	370.8	420.7	435.0
72.5°	328.0	295.9	342.3	385.1	402.9
75°	242.4	249.6	313.7	360.1	377.9
77.5°	167.6	206.8	288.8	338.7	356.5
80°	114.1	167.6	263.8	320.9	342.3
82.5°	67.7	139.0	242.4	303.0	328.0
85°	32.1	114.1	221.0	288.8	310.2
87.5°	10.7	92.7	199.7	274.5	292.4
90°	0.0	78.4	185.4	256.7	267.4
92.5°	0.0	67.7	167.6	235.3	242.4
95°	0.0	57.0	153.3	210.4	221.0
97.5°	0.0	53.5	142.6	189.0	203.2
100°	0.0	49.9	128.4	171.1	185.4
102.5°	0.0	42.8	114.1	153.3	167.6
105°	0.0	42.8	99.8	142.6	153.3
107.5°	3.6	39.2	92.7	128.4	142.6
110°	3.6	39.2	82.0	121.2	131.9
112.5°	3.6	39.2	78.4	110.5	124.8
115°	3.6	35.7	74.9	103.4	110.5
117.5°	3.6	35.7	71.3	92.7	99.8
120°	3.6	32.1	67.7	85.6	89.1
122.5°	3.6	32.1	64.2	78.4	82.0
125°	3.6	32.1	64.2	74.9	78.4
127.5°	3.6	28.5	60.6	71.3	71.3
130°	3.6	28.5	57.0	67.7	67.7
132.5°	3.6	25.0	53.5	64.2	67.7
135°	3.6	25.0	49.9	60.6	64.2
137.5°	3.6	21.4	46.3	57.0	60.6
140°	3.6	21.4	42.8	53.5	57.0
142.5°	3.6	17.8	39.2	49.9	53.5
145°	3.6	17.8	35.7	46.3	49.9
147.5°	3.6	17.8	32.1	42.8	46.3
150°	3.6	14.3	28.5	39.2	42.8
152.5°	3.6	14.3	25.0	35.7	39.2
155°	3.6	10.7	21.4	32.1	35.7
157.5°	3.6	10.7	21.4	28.5	32.1
160°	7.1	10.7	17.8	25.0	28.5
162.5°	3.6	7.1	17.8	21.4	25.0
165°	7.1	7.1	14.3	17.8	21.4
167.5°	7.1	7.1	10.7	14.3	17.8
170°	7.1	7.1	10.7	10.7	14.3
172.5°	7.1	7.1	7.1	10.7	7.1
175°	7.1	7.1	7.1	7.1	3.6
177.5°	7.1	7.1	7.1	7.1	3.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	7.1	7.1	7.1	7.1	7.1

(END OF REPORT)