

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: P567084

Luminaire Tested: **4SNX-SL3-LN-UNV-CC83-CD-3500K-MED**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567084
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-6)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-SL3-LN-UNV-CC83-CD-3500K-MED
Description: 4FT 6000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 3500K, 80CRI, MED LUMEN SETTING, AND LN LENS
Light Source: -
Ballast/Driver: -

Summary

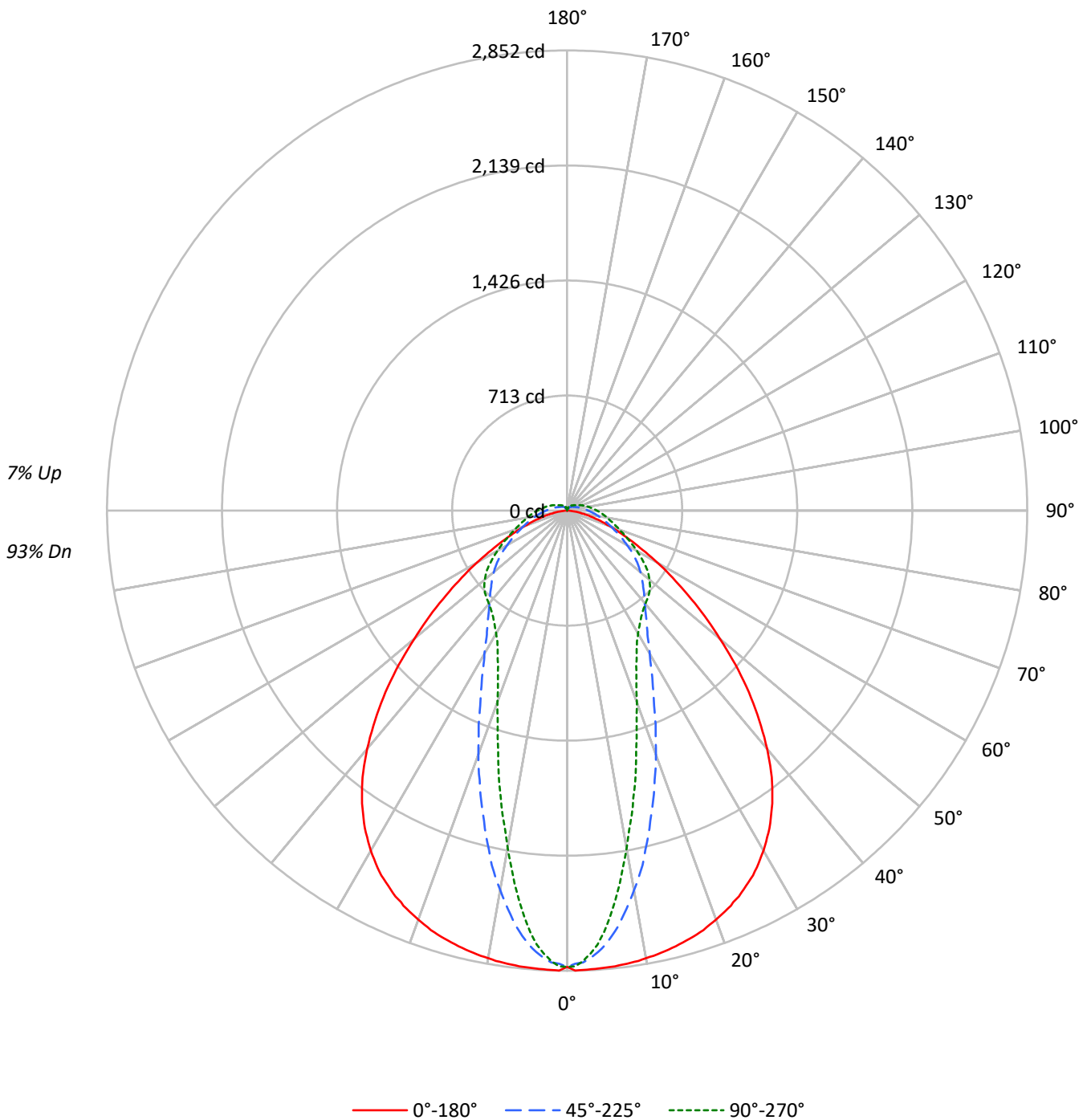
Lumens per Lamp: N/A
Luminaire Lumens: 4508.0 lumens
Efficiency: N/A
Efficacy: 134.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 33.462
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	50	30	10	0	
RCR																						
0	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93				
1	107	103	99	95	104	100	96	93	94	91	88	89	87	85	85	83	81	78				
2	99	91	84	79	95	88	82	77	84	79	75	79	75	72	76	72	69	67				
3	91	81	73	67	88	79	72	66	75	69	64	71	66	62	68	64	60	58				
4	84	73	64	58	81	71	63	57	67	61	56	64	59	54	62	57	53	51				
5	78	66	57	51	75	64	56	51	61	55	49	59	53	48	56	51	47	45				
6	72	60	51	45	70	59	51	45	56	49	44	54	48	43	52	46	42	40				
7	67	55	47	41	65	54	46	41	52	45	40	50	44	39	48	42	38	36				
8	63	51	43	37	61	50	42	37	48	41	36	46	40	36	44	39	35	33				
9	59	47	39	34	58	46	39	34	44	38	33	43	37	33	41	36	32	30				
10	56	44	36	31	54	43	36	31	41	35	31	40	34	30	39	34	30	28				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	30440	30440	30440
5°	30599	27978	26775
10°	30556	23989	20773
15°	30541	19568	15569
20°	30444	15588	11652
25°	30167	12215	9247
30°	29536	9886	7888
35°	28295	8366	7175
40°	26174	7386	6791
45°	23271	6757	6582
50°	19712	6218	6217
55°	16194	5634	5678
60°	12951	4957	4981
65°	10054	4352	4335
70°	7805	3849	3833
75°	6036	3458	3493
80°	4267	3165	3247
85°	2376	2951	3115



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	250.4	5.6
10°-20°	587.0	13.0
20°-30°	696.8	15.5
30°-40°	701.1	15.6
40°-50°	651.7	14.5
50°-60°	536.6	11.9
60°-70°	378.1	8.4
70°-80°	247.0	5.5
80°-90°	157.7	3.5
90°-100°	103.4	2.3
100°-110°	70.2	1.6
110°-120°	48.1	1.1
120°-130°	33.3	0.7
130°-140°	22.4	0.5
140°-150°	13.8	0.3
150°-160°	7.2	0.2
160°-170°	2.6	0.1
170°-180°	0.4	0.0
0°-30°	1534.3	34.0
0°-40°	2235.3	49.6
0°-60°	3423.6	75.9
0°-90°	4206.5	93.3
90°-120°	221.8	4.9
90°-150°	291.3	6.5
90°-180°	302.0	6.7
0°-180°	4508.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2828	2828	2828	2828	2828	
5°	2842	2804	2703	2651	2622	271
15°	2771	2476	1992	1741	1647	783
25°	2589	1914	1269	1066	1021	1192
35°	2216	1295	860	806	801	1378
45°	1592	853	666	702	721	1222
55°	914	560	515	572	591	826
65°	430	338	354	399	414	436
75°	168	175	239	281	293	181
85°	28	80	161	208	217	36
90°	0	54	130	177	184	2
95°	0	40	109	149	156	0
105°	0	28	73	104	113	0
115°	2	24	52	76	80	2
125°	2	19	42	54	59	2
135°	2	16	33	42	45	2
145°	2	12	24	33	35	2
155°	2	10	16	24	26	1
165°	2	5	10	12	14	1
175°	5	5	5	5	2	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2828.0	2828.0	2828.0	2828.0	2828.0
1°	2851.6	2839.8	2809.1	2830.4	2825.6
2°	2849.3	2837.5	2802.0	2811.5	2794.9
3°	2846.9	2830.4	2776.0	2773.7	2750.0
4°	2844.5	2818.6	2743.0	2714.6	2695.7
5°	2842.2	2804.4	2702.8	2650.8	2622.5
6°	2839.8	2787.8	2650.8	2572.8	2532.7
7°	2835.1	2761.9	2596.5	2490.2	2438.2
8°	2830.4	2738.2	2528.0	2400.4	2336.6
9°	2825.6	2707.5	2459.4	2303.5	2227.9
10°	2816.2	2676.8	2388.6	2204.3	2124.0
11°	2811.5	2641.4	2320.0	2109.8	2015.3
12°	2802.0	2603.6	2246.8	2010.6	1927.9
13°	2792.6	2563.4	2157.0	1925.5	1826.3
14°	2783.1	2520.9	2079.1	1831.0	1738.9
15°	2771.3	2476.0	1991.7	1741.2	1646.7
16°	2759.5	2424.0	1913.7	1649.1	1549.8
17°	2747.7	2374.4	1840.4	1564.0	1474.2
18°	2733.5	2324.8	1755.4	1481.3	1393.9
19°	2714.6	2268.1	1686.9	1405.7	1325.4
20°	2698.1	2216.1	1608.9	1334.9	1264.0
21°	2679.2	2152.3	1530.9	1268.7	1197.8
22.5°	2650.8	2062.5	1431.7	1186.0	1119.9
23°	2636.6	2036.5	1391.6	1155.3	1098.6
24°	2617.7	1968.0	1325.4	1108.0	1051.3
25°	2589.4	1913.7	1268.7	1065.5	1020.6
26°	2563.4	1847.5	1212.0	1027.7	982.8
27°	2537.4	1783.7	1162.4	987.6	949.8
28°	2504.3	1717.6	1108.0	954.5	921.4
29°	2468.9	1656.2	1063.2	926.1	900.1
30°	2433.5	1587.7	1025.4	900.1	878.9
32.5°	2334.2	1436.4	928.5	850.5	836.4
35°	2216.1	1294.7	860.0	805.6	800.9
37.5°	2083.8	1164.7	798.6	770.2	774.9
40°	1927.9	1046.6	746.6	744.2	753.7
42.5°	1762.5	945.0	706.4	722.9	737.1
45°	1592.4	852.9	666.2	701.7	720.6
47.5°	1415.2	772.6	630.8	675.7	697.0
50°	1235.6	694.6	593.0	645.0	666.2
52.5°	1075.0	626.1	555.2	609.5	633.2
55°	914.3	559.9	515.0	571.7	590.6
57.5°	774.9	498.5	472.5	529.2	543.4
60°	645.0	439.4	430.0	482.0	498.5
62.5°	526.9	387.5	389.8	439.4	456.0
65°	430.0	337.8	354.4	399.3	413.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	349.7	290.6	318.9	366.2	378.0
70°	276.4	248.1	290.6	333.1	344.9
72.5°	219.7	210.3	262.2	307.1	316.6
75°	167.7	174.8	238.6	281.1	293.0
77.5°	120.5	146.5	215.0	259.9	269.3
80°	85.1	120.5	196.1	241.0	250.4
82.5°	54.3	99.2	177.2	224.4	233.9
85°	28.4	80.3	160.7	207.9	217.4
87.5°	11.8	66.2	144.1	191.4	200.8
90°	0.0	54.3	129.9	177.2	184.3
92.5°	0.0	47.3	118.1	163.0	170.1
95°	0.0	40.2	108.7	148.8	155.9
97.5°	0.0	37.8	96.9	137.0	144.1
100°	0.0	33.1	87.4	125.2	134.7
102.5°	0.0	30.7	80.3	113.4	122.9
105°	0.0	28.4	73.2	104.0	113.4
107.5°	0.0	26.0	68.5	96.9	104.0
110°	0.0	26.0	61.4	89.8	96.9
112.5°	2.4	23.6	56.7	80.3	87.4
115°	2.4	23.6	52.0	75.6	80.3
117.5°	2.4	23.6	49.6	68.5	73.2
120°	2.4	21.3	47.3	63.8	68.5
122.5°	2.4	21.3	44.9	59.1	61.4
125°	2.4	18.9	42.5	54.3	59.1
127.5°	2.4	18.9	40.2	52.0	54.3
130°	2.4	18.9	37.8	47.3	52.0
132.5°	2.4	16.5	35.4	44.9	47.3
135°	2.4	16.5	33.1	42.5	44.9
137.5°	2.4	14.2	30.7	40.2	42.5
140°	2.4	14.2	28.4	37.8	40.2
142.5°	2.4	11.8	26.0	35.4	37.8
145°	2.4	11.8	23.6	33.1	35.4
147.5°	2.4	11.8	21.3	30.7	33.1
150°	2.4	9.5	18.9	28.4	30.7
152.5°	2.4	9.5	16.5	26.0	28.4
155°	2.4	9.5	16.5	23.6	26.0
157.5°	2.4	7.1	14.2	18.9	23.6
160°	2.4	7.1	11.8	16.5	21.3
162.5°	2.4	7.1	11.8	14.2	16.5
165°	2.4	4.7	9.5	11.8	14.2
167.5°	2.4	4.7	7.1	9.5	11.8
170°	2.4	4.7	7.1	7.1	9.5
172.5°	2.4	4.7	4.7	4.7	4.7
175°	4.7	4.7	4.7	4.7	2.4
177.5°	4.7	4.7	4.7	2.4	2.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	2.4	2.4	2.4	2.4	2.4

(END OF REPORT)