

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: P567082

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567082
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-HI
Description: 4FT 6000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 3500K, 80CRI, HI LUMEN SETTING, AND LN LENS
Light Source: -
Ballast/Driver: -

Summary

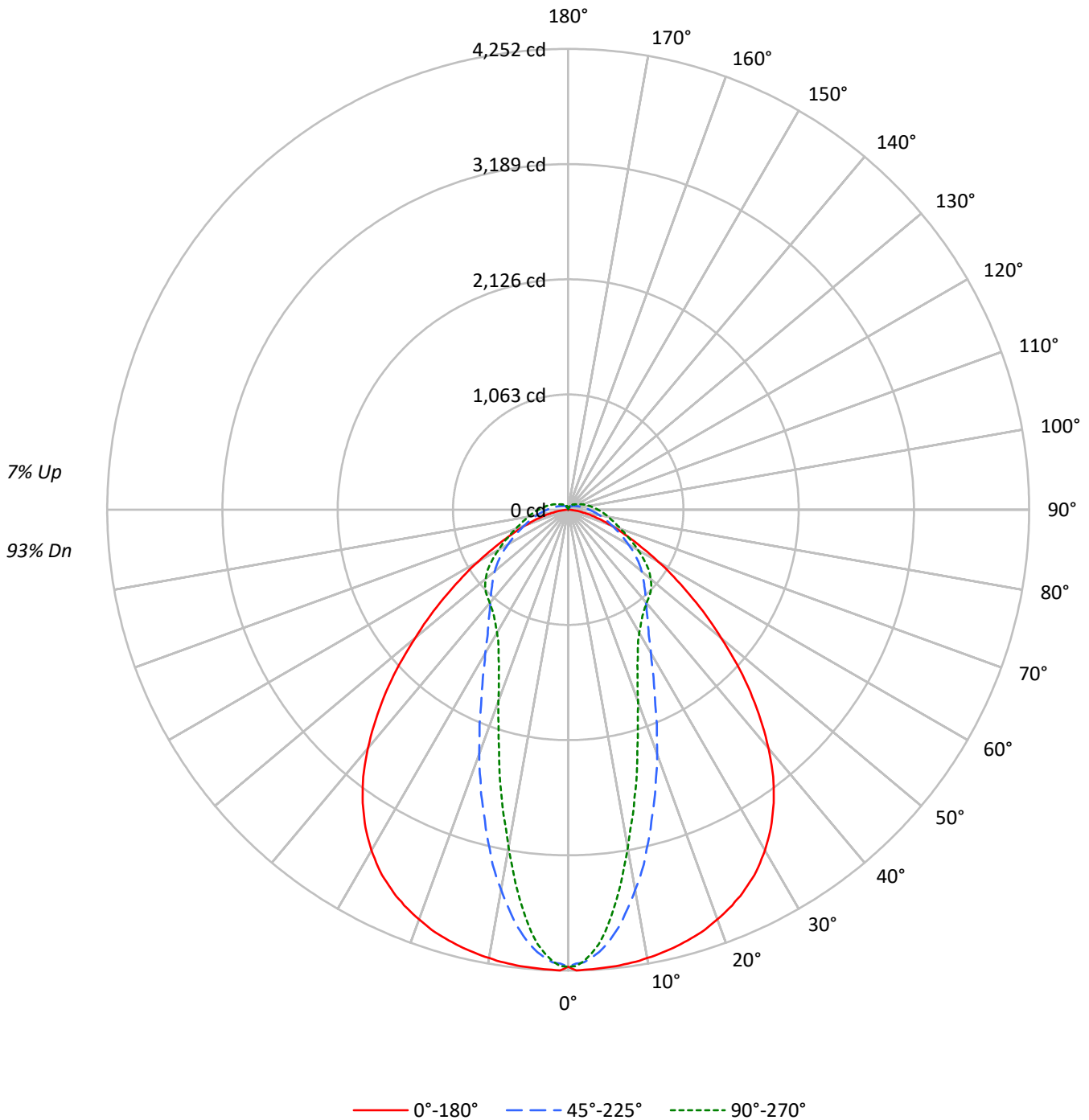
Lumens per Lamp: N/A
Luminaire Lumens: 6722.0 lumens
Efficiency: N/A
Efficacy: 132.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 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	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°	45390	45390	45390
5°	45625	41718	39923
10°	45563	35770	30975
15°	45541	29178	23216
20°	45396	23244	17374
25°	44983	18214	13789
30°	44041	14740	11761
35°	42191	12475	10699
40°	39029	11013	10126
45°	34698	10076	9814
50°	29394	9272	9271
55°	24149	8402	8466
60°	19312	7391	7426
65°	14992	6489	6463
70°	11640	5739	5716
75°	9002	5157	5208
80°	6358	4719	4841
85°	3539	4400	4643



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	373.4	5.6
10°-20°	875.3	13.0
20°-30°	1039.0	15.5
30°-40°	1045.4	15.6
40°-50°	971.7	14.5
50°-60°	800.2	11.9
60°-70°	563.8	8.4
70°-80°	368.3	5.5
80°-90°	235.2	3.5
90°-100°	154.2	2.3
100°-110°	104.7	1.6
110°-120°	71.8	1.1
120°-130°	49.6	0.7
130°-140°	33.4	0.5
140°-150°	20.6	0.3
150°-160°	10.7	0.2
160°-170°	3.9	0.1
170°-180°	0.7	0.0
0°-30°	2287.8	34.0
0°-40°	3333.2	49.6
0°-60°	5105.1	75.9
0°-90°	6272.4	93.3
90°-120°	330.7	4.9
90°-150°	434.3	6.5
90°-180°	450.0	6.7
0°-180°	6722.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4217	4217	4217	4217	4217	
5°	4238	4182	4030	3953	3910	403
15°	4132	3692	2970	2596	2456	1167
25°	3861	2854	1892	1589	1522	1777
35°	3304	1930	1282	1201	1194	2055
45°	2374	1272	994	1046	1074	1823
55°	1363	835	768	852	881	1231
65°	641	504	528	595	616	651
75°	250	261	356	419	437	270
85°	42	120	240	310	324	53
90°	0	81	194	264	275	2
95°	0	60	162	222	232	0
105°	0	42	109	155	169	0
115°	4	35	78	113	120	3
125°	4	28	63	81	88	3
135°	4	25	49	63	67	3
145°	4	18	35	49	53	2
155°	4	14	25	35	39	2
165°	4	7	14	18	21	1
175°	7	7	7	7	4	0
180°	4	4	4	4	4	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4216.9	4216.9	4216.9	4216.9	4216.9
1°	4252.1	4234.5	4188.7	4220.4	4213.4
2°	4248.6	4231.0	4178.2	4192.3	4167.6
3°	4245.1	4220.4	4139.4	4135.9	4100.7
4°	4241.6	4202.8	4090.1	4047.8	4019.6
5°	4238.0	4181.7	4030.2	3952.7	3910.4
6°	4234.5	4157.0	3952.7	3836.4	3776.5
7°	4227.5	4118.3	3871.7	3713.1	3635.6
8°	4220.4	4083.0	3769.5	3579.3	3484.1
9°	4213.4	4037.2	3667.3	3434.8	3322.1
10°	4199.3	3991.4	3561.7	3286.9	3167.1
11°	4192.3	3938.6	3459.5	3146.0	3005.0
12°	4178.2	3882.2	3350.3	2998.0	2874.7
13°	4164.1	3822.3	3216.4	2871.2	2723.2
14°	4150.0	3758.9	3100.2	2730.2	2592.9
15°	4132.4	3692.0	2969.8	2596.4	2455.5
16°	4114.7	3614.5	2853.5	2459.0	2311.0
17°	4097.1	3540.5	2744.3	2332.2	2198.3
18°	4076.0	3466.5	2617.5	2208.9	2078.5
19°	4047.8	3382.0	2515.4	2096.1	1976.3
20°	4023.2	3304.5	2399.1	1990.4	1884.8
21°	3995.0	3209.4	2282.8	1891.8	1786.1
22.5°	3952.7	3075.5	2134.9	1768.5	1669.9
23°	3931.6	3036.7	2075.0	1722.7	1638.1
24°	3903.4	2934.6	1976.3	1652.2	1567.7
25°	3861.1	2853.5	1891.8	1588.8	1521.9
26°	3822.3	2754.9	1807.2	1532.5	1465.5
27°	3783.6	2659.8	1733.3	1472.6	1416.2
28°	3734.3	2561.1	1652.2	1423.3	1373.9
29°	3681.4	2469.6	1585.3	1381.0	1342.2
30°	3628.6	2367.4	1528.9	1342.2	1310.5
32.5°	3480.6	2141.9	1384.5	1268.2	1247.1
35°	3304.5	1930.5	1282.3	1201.3	1194.3
37.5°	3107.2	1736.8	1190.7	1148.5	1155.5
40°	2874.7	1560.6	1113.2	1109.7	1123.8
42.5°	2628.1	1409.2	1053.3	1078.0	1099.1
45°	2374.4	1271.8	993.5	1046.3	1074.5
47.5°	2110.2	1152.0	940.6	1007.5	1039.3
50°	1842.5	1035.7	884.2	961.8	993.5
52.5°	1602.9	933.6	827.9	908.9	944.1
55°	1363.4	834.9	768.0	852.5	880.7
57.5°	1155.5	743.3	704.6	789.1	810.3
60°	961.8	655.3	641.2	718.7	743.3
62.5°	785.6	577.8	581.3	655.3	679.9
65°	641.2	503.8	528.4	595.4	616.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	521.4	433.3	475.6	546.0	563.7
70°	412.2	369.9	433.3	496.7	514.3
72.5°	327.6	313.5	391.0	458.0	472.1
75°	250.1	260.7	355.8	419.2	436.8
77.5°	179.7	218.4	320.6	387.5	401.6
80°	126.8	179.7	292.4	359.3	373.4
82.5°	81.0	148.0	264.2	334.7	348.8
85°	42.3	119.8	239.6	310.0	324.1
87.5°	17.6	98.6	214.9	285.4	299.4
90°	0.0	81.0	193.8	264.2	274.8
92.5°	0.0	70.5	176.1	243.1	253.6
95°	0.0	59.9	162.1	221.9	232.5
97.5°	0.0	56.4	144.4	204.3	214.9
100°	0.0	49.3	130.3	186.7	200.8
102.5°	0.0	45.8	119.8	169.1	183.2
105°	0.0	42.3	109.2	155.0	169.1
107.5°	0.0	38.8	102.2	144.4	155.0
110°	0.0	38.8	91.6	133.9	144.4
112.5°	3.5	35.2	84.5	119.8	130.3
115°	3.5	35.2	77.5	112.7	119.8
117.5°	3.5	35.2	74.0	102.2	109.2
120°	3.5	31.7	70.5	95.1	102.2
122.5°	3.5	31.7	66.9	88.1	91.6
125°	3.5	28.2	63.4	81.0	88.1
127.5°	3.5	28.2	59.9	77.5	81.0
130°	3.5	28.2	56.4	70.5	77.5
132.5°	3.5	24.7	52.8	66.9	70.5
135°	3.5	24.7	49.3	63.4	66.9
137.5°	3.5	21.1	45.8	59.9	63.4
140°	3.5	21.1	42.3	56.4	59.9
142.5°	3.5	17.6	38.8	52.8	56.4
145°	3.5	17.6	35.2	49.3	52.8
147.5°	3.5	17.6	31.7	45.8	49.3
150°	3.5	14.1	28.2	42.3	45.8
152.5°	3.5	14.1	24.7	38.8	42.3
155°	3.5	14.1	24.7	35.2	38.8
157.5°	3.5	10.6	21.1	28.2	35.2
160°	3.5	10.6	17.6	24.7	31.7
162.5°	3.5	10.6	17.6	21.1	24.7
165°	3.5	7.0	14.1	17.6	21.1
167.5°	3.5	7.0	10.6	14.1	17.6
170°	3.5	7.0	10.6	10.6	14.1
172.5°	3.5	7.0	7.0	7.0	7.0
175°	7.0	7.0	7.0	7.0	3.5
177.5°	7.0	7.0	7.0	3.5	3.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	3.5	3.5	3.5	3.5	3.5

(END OF REPORT)