

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: P567085

Luminaire Tested: **4SNX-SL3-LN-UNV-CC83-CD-4000K-HI**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567085
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-4000K-HI
Description: 4FT 6000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 4000K, 80CRI, HI LUMEN SETTING, AND LN LENS
Light Source: -
Ballast/Driver: -

Summary

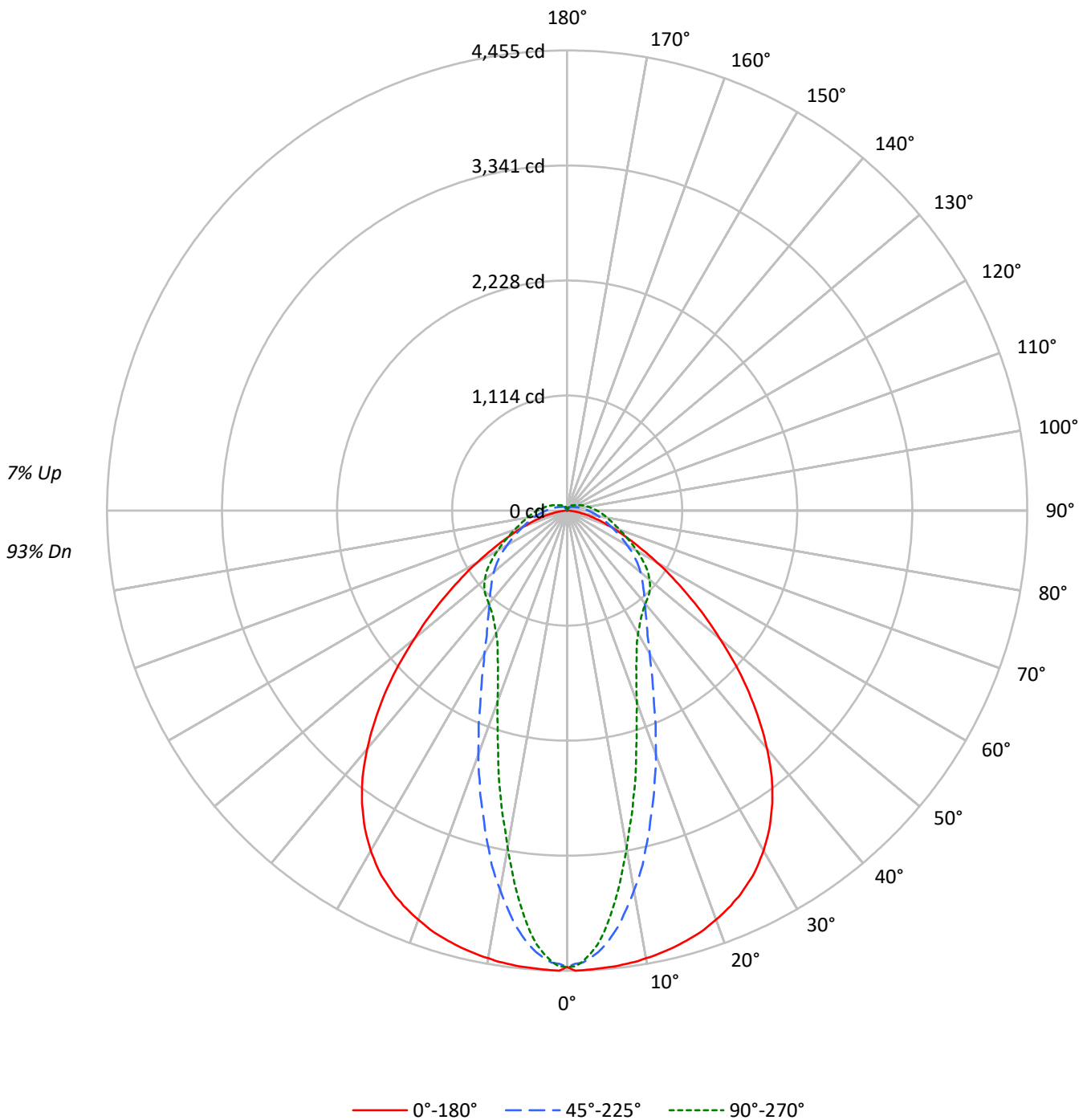
Lumens per Lamp: N/A
Luminaire Lumens: 7043.0 lumens
Efficiency: N/A
Efficacy: 144.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 48.9
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	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°	47558	47558	47558
5°	47804	43711	41831
10°	47739	37477	32454
15°	47716	30572	24324
20°	47564	24354	18204
25°	47131	19084	14447
30°	46144	15445	12323
35°	44206	13071	11210
40°	40893	11540	10610
45°	36356	10557	10282
50°	30798	9715	9713
55°	25302	8804	8871
60°	20233	7744	7781
65°	15707	6799	6771
70°	12196	6013	5989
75°	9433	5403	5457
80°	6663	4945	5073
85°	3706	4609	4865



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	391.3	5.6
10°-20°	917.1	13.0
20°-30°	1088.7	15.5
30°-40°	1095.3	15.6
40°-50°	1018.1	14.5
50°-60°	838.4	11.9
60°-70°	590.7	8.4
70°-80°	385.9	5.5
80°-90°	246.4	3.5
90°-100°	161.6	2.3
100°-110°	109.7	1.6
110°-120°	75.2	1.1
120°-130°	52.0	0.7
130°-140°	35.0	0.5
140°-150°	21.6	0.3
150°-160°	11.2	0.2
160°-170°	4.1	0.1
170°-180°	0.7	0.0
0°-30°	2397.1	34.0
0°-40°	3492.4	49.6
0°-60°	5348.9	75.9
0°-90°	6572.0	93.3
90°-120°	346.5	4.9
90°-150°	455.1	6.5
90°-180°	471.0	6.7
0°-180°	7043.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4418	4418	4418	4418	4418	
5°	4440	4381	4223	4141	4097	423
15°	4330	3868	3112	2720	2573	1223
25°	4046	2990	1982	1665	1595	1862
35°	3462	2023	1344	1259	1251	2153
45°	2488	1332	1041	1096	1126	1910
55°	1428	875	805	893	923	1290
65°	672	528	554	624	646	682
75°	262	273	373	439	458	283
85°	44	126	251	325	340	56
90°	0	85	203	277	288	3
95°	0	63	170	232	244	0
105°	0	44	114	162	177	0
115°	4	37	81	118	126	3
125°	4	30	66	85	92	3
135°	4	26	52	66	70	3
145°	4	18	37	52	55	2
155°	4	15	26	37	41	2
165°	4	7	15	18	22	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°	4418.3	4418.3	4418.3	4418.3	4418.3
1°	4455.2	4436.7	4388.8	4422.0	4414.6
2°	4451.5	4433.0	4377.7	4392.4	4366.6
3°	4447.8	4422.0	4337.1	4333.4	4296.5
4°	4444.1	4403.5	4285.4	4241.1	4211.6
5°	4440.4	4381.4	4222.7	4141.4	4097.2
6°	4436.7	4355.5	4141.4	4019.6	3956.9
7°	4429.4	4314.9	4056.6	3890.5	3809.2
8°	4422.0	4278.0	3949.5	3750.2	3650.5
9°	4414.6	4230.0	3842.5	3598.9	3480.7
10°	4399.8	4182.1	3731.7	3443.8	3318.3
11°	4392.4	4126.7	3624.7	3296.2	3148.5
12°	4377.7	4067.6	3510.3	3141.2	3012.0
13°	4362.9	4004.9	3370.0	3008.3	2853.2
14°	4348.2	3938.4	3248.2	2860.6	2716.7
15°	4329.7	3868.3	3111.6	2720.4	2572.7
16°	4311.2	3787.1	2989.8	2576.4	2421.4
17°	4292.8	3709.6	2875.4	2443.5	2303.3
18°	4270.6	3632.1	2742.5	2314.3	2177.8
19°	4241.1	3543.5	2635.5	2196.2	2070.7
20°	4215.3	3462.3	2513.7	2085.5	1974.8
21°	4185.7	3362.6	2391.9	1982.1	1871.4
22.5°	4141.4	3222.4	2236.8	1852.9	1749.6
23°	4119.3	3181.8	2174.1	1805.0	1716.4
24°	4089.8	3074.7	2070.7	1731.1	1642.6
25°	4045.5	2989.8	1982.1	1664.7	1594.6
26°	4004.9	2886.5	1893.6	1605.6	1535.5
27°	3964.3	2786.8	1816.0	1542.9	1483.8
28°	3912.6	2683.5	1731.1	1491.2	1439.5
29°	3857.2	2587.5	1661.0	1446.9	1406.3
30°	3801.9	2480.4	1602.0	1406.3	1373.1
32.5°	3646.8	2244.2	1450.6	1328.8	1306.7
35°	3462.3	2022.7	1343.6	1258.7	1251.3
37.5°	3255.6	1819.7	1247.6	1203.3	1210.7
40°	3012.0	1635.2	1166.4	1162.7	1177.5
42.5°	2753.6	1476.5	1103.6	1129.5	1151.6
45°	2487.8	1332.5	1040.9	1096.3	1125.8
47.5°	2211.0	1207.0	985.5	1055.7	1088.9
50°	1930.5	1085.2	926.5	1007.7	1040.9
52.5°	1679.5	978.1	867.4	952.3	989.2
55°	1428.5	874.8	804.7	893.3	922.8
57.5°	1210.7	778.8	738.2	826.8	849.0
60°	1007.7	686.6	671.8	753.0	778.8
62.5°	823.1	605.3	609.0	686.6	712.4
65°	671.8	527.8	553.7	623.8	645.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	546.3	454.0	498.3	572.1	590.6
70°	431.9	387.6	454.0	520.4	538.9
72.5°	343.3	328.5	409.7	479.8	494.6
75°	262.1	273.1	372.8	439.2	457.7
77.5°	188.2	228.9	335.9	406.0	420.8
80°	132.9	188.2	306.4	376.5	391.3
82.5°	84.9	155.0	276.8	350.7	365.4
85°	44.3	125.5	251.0	324.8	339.6
87.5°	18.5	103.4	225.2	299.0	313.7
90°	0.0	84.9	203.0	276.8	287.9
92.5°	0.0	73.8	184.6	254.7	265.8
95°	0.0	62.7	169.8	232.5	243.6
97.5°	0.0	59.1	151.3	214.1	225.2
100°	0.0	51.7	136.6	195.6	210.4
102.5°	0.0	48.0	125.5	177.2	191.9
105°	0.0	44.3	114.4	162.4	177.2
107.5°	0.0	40.6	107.0	151.3	162.4
110°	0.0	40.6	96.0	140.3	151.3
112.5°	3.7	36.9	88.6	125.5	136.6
115°	3.7	36.9	81.2	118.1	125.5
117.5°	3.7	36.9	77.5	107.0	114.4
120°	3.7	33.2	73.8	99.7	107.0
122.5°	3.7	33.2	70.1	92.3	96.0
125°	3.7	29.5	66.4	84.9	92.3
127.5°	3.7	29.5	62.7	81.2	84.9
130°	3.7	29.5	59.1	73.8	81.2
132.5°	3.7	25.8	55.4	70.1	73.8
135°	3.7	25.8	51.7	66.4	70.1
137.5°	3.7	22.1	48.0	62.7	66.4
140°	3.7	22.1	44.3	59.1	62.7
142.5°	3.7	18.5	40.6	55.4	59.1
145°	3.7	18.5	36.9	51.7	55.4
147.5°	3.7	18.5	33.2	48.0	51.7
150°	3.7	14.8	29.5	44.3	48.0
152.5°	3.7	14.8	25.8	40.6	44.3
155°	3.7	14.8	25.8	36.9	40.6
157.5°	3.7	11.1	22.1	29.5	36.9
160°	3.7	11.1	18.5	25.8	33.2
162.5°	3.7	11.1	18.5	22.1	25.8
165°	3.7	7.4	14.8	18.5	22.1
167.5°	3.7	7.4	11.1	14.8	18.5
170°	3.7	7.4	11.1	11.1	14.8
172.5°	3.7	7.4	7.4	7.4	7.4
175°	7.4	7.4	7.4	7.4	3.7
177.5°	7.4	7.4	7.4	3.7	3.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	3.7	3.7	3.7	3.7	3.7

(END OF REPORT)