

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: P567108

Luminaire Tested: **4SNX-SL3-LW-UNV-CC83-CD-5000K-MED**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567108
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-SL3-LW-UNV-CC83-CD-5000K-MED
Description: 4FT 6000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 5000K, 80CRI, MED LUMEN SETTING, AND LW LENS
Light Source: -
Ballast/Driver: -

Summary

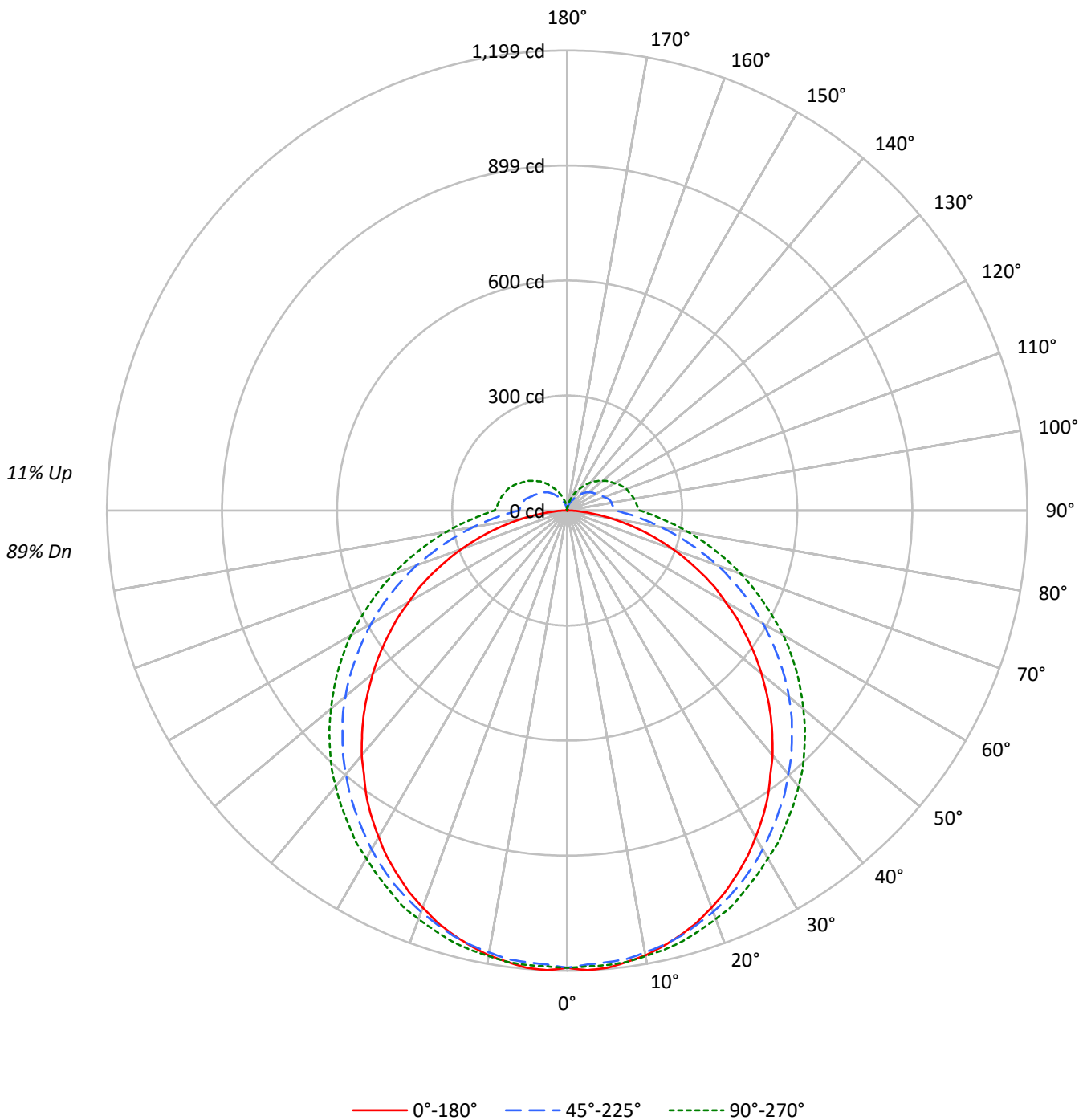
Lumens per Lamp: N/A
Luminaire Lumens: 4241.0 lumens
Efficiency: N/A
Efficacy: 125.7 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 33.726
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	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89
1	105	100	95	90	101	96	92	88	90	86	83	84	81	79	79	76	74	71
2	95	86	79	73	91	83	76	71	78	72	68	73	68	64	68	65	61	58
3	86	75	67	60	83	73	65	59	68	61	56	64	58	54	60	55	51	49
4	79	66	57	50	75	64	56	49	60	53	47	57	50	46	53	48	44	41
5	72	59	50	43	69	57	49	42	54	46	41	51	44	39	48	42	38	35
6	67	53	44	37	64	51	43	37	48	41	35	46	39	34	43	38	33	31
7	62	48	39	33	59	47	38	32	44	37	31	42	35	30	39	34	29	27
8	57	44	35	29	55	42	34	29	40	33	28	38	32	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	28	24	22
10	50	37	29	24	48	36	28	23	34	27	23	32	26	22	31	25	21	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	12823	12823	12823
5°	12878	12230	12138
10°	12766	11742	11531
15°	12614	11270	10984
20°	12416	10780	10438
25°	12191	10311	9904
30°	11925	9828	9391
35°	11635	9343	8912
40°	11305	8870	8455
45°	10948	8396	7986
50°	10540	7908	7495
55°	10094	7363	7013
60°	9568	6795	6503
65°	9015	6183	5922
70°	8254	5531	5350
75°	7249	4770	4744
80°	5666	4004	4140
85°	3698	3293	3519



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.2	2.7
10°-20°	325.2	7.7
20°-30°	494.5	11.7
30°-40°	600.3	14.2
40°-50°	634.4	15.0
50°-60°	593.6	14.0
60°-70°	487.1	11.5
70°-80°	335.0	7.9
80°-90°	183.5	4.3
90°-100°	118.1	2.8
100°-110°	106.0	2.5
110°-120°	87.8	2.1
120°-130°	67.6	1.6
130°-140°	47.5	1.1
140°-150°	28.6	0.7
150°-160°	13.7	0.3
160°-170°	4.5	0.1
170°-180°	0.5	0.0
0°-30°	932.9	22.0
0°-40°	1533.2	36.2
0°-60°	2761.2	65.1
0°-90°	3766.7	88.8
90°-120°	311.9	7.4
90°-150°	455.6	10.7
90°-180°	474.0	11.2
0°-180°	4241.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1191	1191	1191	1191	1191	
5°	1196	1194	1182	1191	1189	113
15°	1145	1150	1147	1162	1162	323
25°	1046	1059	1071	1093	1093	482
35°	911	933	960	987	995	569
45°	749	784	828	865	874	577
55°	570	616	673	715	730	510
65°	386	437	504	550	565	382
75°	201	256	329	381	398	212
85°	44	106	179	228	246	51
90°	0	59	125	172	189	3
95°	0	56	120	165	182	0
105°	0	47	113	155	170	2
115°	2	42	96	138	155	2
125°	2	34	81	118	133	2
135°	2	27	66	96	108	2
145°	2	20	47	74	81	2
155°	2	12	30	47	54	1
165°	2	7	15	22	27	1
175°	2	2	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°	1191.3	1191.3	1191.3	1191.3	1191.3
2.5°	1198.7	1196.2	1183.9	1193.8	1188.9
5°	1196.2	1193.8	1181.5	1191.3	1188.9
7.5°	1186.4	1186.4	1179.0	1188.9	1186.4
10°	1176.6	1176.6	1169.2	1181.5	1179.0
12.5°	1161.8	1164.3	1159.4	1174.1	1171.7
15°	1144.6	1149.5	1147.1	1161.8	1161.8
17.5°	1125.0	1129.9	1129.9	1147.1	1147.1
20°	1100.4	1107.8	1112.7	1132.4	1132.4
22.5°	1075.9	1085.7	1093.1	1110.2	1117.6
25°	1046.4	1058.7	1070.9	1093.1	1093.1
27.5°	1016.9	1031.6	1046.4	1068.5	1070.9
30°	982.5	999.7	1019.4	1041.5	1046.4
32.5°	948.1	970.2	989.9	1016.9	1024.3
35°	911.3	933.4	960.4	987.4	994.8
37.5°	869.5	896.6	930.9	960.4	967.8
40°	832.7	862.2	896.6	930.9	938.3
42.5°	790.9	822.9	864.6	896.6	908.8
45°	749.2	783.6	827.8	864.6	874.4
47.5°	705.0	744.3	793.4	827.8	840.1
50°	660.7	702.5	754.1	793.4	803.2
52.5°	616.5	660.7	714.8	754.1	766.4
55°	569.9	616.5	673.0	714.8	729.5
57.5°	525.6	572.3	631.3	675.5	690.2
60°	476.5	530.6	589.5	633.7	650.9
62.5°	434.8	483.9	547.8	592.0	606.7
65°	385.6	437.2	503.5	550.2	564.9
67.5°	339.0	393.0	459.3	508.5	523.2
70°	292.3	346.3	417.6	464.2	481.4
72.5°	245.6	302.1	370.9	422.5	439.7
75°	201.4	255.5	329.1	380.7	397.9
77.5°	154.7	213.7	287.4	339.0	358.6
80°	113.0	174.4	248.1	299.7	319.3
82.5°	76.1	137.6	211.2	262.8	282.5
85°	44.2	105.6	179.3	228.4	245.6
87.5°	22.1	81.1	149.8	199.0	216.2
90°	0.0	59.0	125.3	171.9	189.1
92.5°	0.0	56.5	122.8	167.0	184.2
95°	0.0	56.5	120.4	164.6	181.8
97.5°	0.0	54.0	117.9	164.6	179.3
100°	0.0	51.6	117.9	162.1	176.9
102.5°	0.0	49.1	115.4	159.7	174.4
105°	0.0	46.7	113.0	154.7	169.5
107.5°	2.5	46.7	108.1	152.3	167.0
110°	2.5	44.2	103.2	149.8	164.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.5	41.8	98.3	144.9	159.7
115°	2.5	41.8	95.8	137.6	154.7
117.5°	2.5	39.3	90.9	132.6	149.8
120°	2.5	39.3	88.4	127.7	142.5
122.5°	2.5	36.8	83.5	122.8	137.6
125°	2.5	34.4	81.1	117.9	132.6
127.5°	2.5	31.9	78.6	113.0	127.7
130°	2.5	29.5	73.7	108.1	120.4
132.5°	2.5	29.5	71.2	100.7	115.4
135°	2.5	27.0	66.3	95.8	108.1
137.5°	2.5	24.6	61.4	90.9	103.2
140°	2.5	22.1	56.5	86.0	95.8
142.5°	2.5	22.1	51.6	78.6	88.4
145°	2.5	19.7	46.7	73.7	81.1
147.5°	2.5	17.2	41.8	66.3	73.7
150°	2.5	17.2	36.8	59.0	66.3
152.5°	2.5	14.7	31.9	54.0	61.4
155°	2.5	12.3	29.5	46.7	54.0
157.5°	2.5	12.3	24.6	39.3	46.7
160°	2.5	9.8	22.1	31.9	39.3
162.5°	2.5	9.8	19.7	27.0	34.4
165°	2.5	7.4	14.7	22.1	27.0
167.5°	2.5	7.4	12.3	17.2	22.1
170°	2.5	4.9	9.8	12.3	17.2
172.5°	2.5	4.9	7.4	7.4	7.4
175°	2.5	2.5	4.9	4.9	2.5
177.5°	2.5	2.5	2.5	2.5	2.5
180°	2.5	2.5	2.5	2.5	2.5

(END OF REPORT)