

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: P567102

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567102
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-3500K-MED
Description: 4FT 6000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 3500K, 80CRI, MED LUMEN SETTING, AND LW LENS
Light Source: -
Ballast/Driver: -

Summary

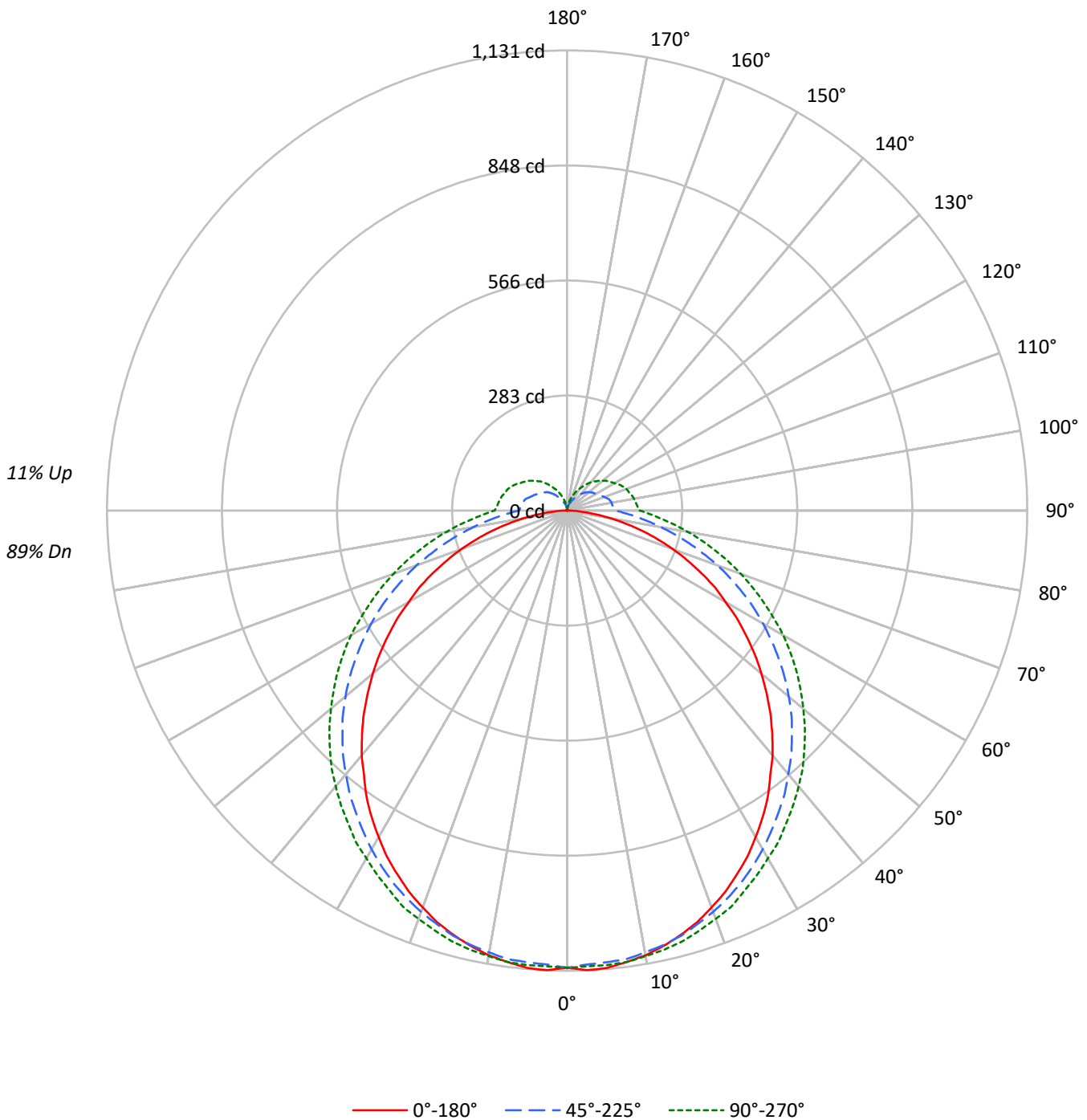
Lumens per Lamp: N/A
Luminaire Lumens: 4000.0 lumens
Efficiency: N/A
Efficacy: 119.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 33.462
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

TEST NUMBER: P567102

CATALOG NUMBER: 4SNX-SL3-LW-UNV-CC83-CD-3500K-MED

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°	12094	12094	12094
5°	12146	11535	11448
10°	12041	11075	10876
15°	11898	10630	10360
20°	11711	10168	9845
25°	11498	9725	9340
30°	11247	9269	8857
35°	10974	8812	8406
40°	10663	8366	7974
45°	10326	7918	7533
50°	9942	7458	7070
55°	9520	6945	6615
60°	9023	6409	6133
65°	8503	5832	5585
70°	7785	5216	5047
75°	6838	4499	4475
80°	5345	3777	3905
85°	3489	3105	3320



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.7	2.7
10°-20°	306.8	7.7
20°-30°	466.4	11.7
30°-40°	566.2	14.2
40°-50°	598.3	15.0
50°-60°	559.9	14.0
60°-70°	459.4	11.5
70°-80°	316.0	7.9
80°-90°	173.0	4.3
90°-100°	111.4	2.8
100°-110°	100.0	2.5
110°-120°	82.8	2.1
120°-130°	63.7	1.6
130°-140°	44.8	1.1
140°-150°	27.0	0.7
150°-160°	12.9	0.3
160°-170°	4.2	0.1
170°-180°	0.5	0.0
0°-30°	879.9	22.0
0°-40°	1446.1	36.2
0°-60°	2604.3	65.1
0°-90°	3552.7	88.8
90°-120°	294.2	7.4
90°-150°	429.7	10.7
90°-180°	447.0	11.2
0°-180°	4000.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1124	1124	1124	1124	1124	
5°	1128	1126	1114	1124	1121	107
15°	1080	1084	1082	1096	1096	304
25°	987	998	1010	1031	1031	455
35°	860	880	906	931	938	537
45°	707	739	781	816	825	545
55°	538	582	635	674	688	481
65°	364	412	475	519	533	360
75°	190	241	310	359	375	200
85°	42	100	169	216	232	48
90°	0	56	118	162	178	3
95°	0	53	114	155	171	0
105°	0	44	107	146	160	2
115°	2	39	90	130	146	2
125°	2	32	76	111	125	2
135°	2	26	63	90	102	2
145°	2	18	44	70	76	1
155°	2	12	28	44	51	1
165°	2	7	14	21	26	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°	1123.6	1123.6	1123.6	1123.6	1123.6
2.5°	1130.6	1128.2	1116.7	1125.9	1121.3
5°	1128.2	1125.9	1114.3	1123.6	1121.3
7.5°	1119.0	1119.0	1112.0	1121.3	1119.0
10°	1109.7	1109.7	1102.8	1114.3	1112.0
12.5°	1095.8	1098.1	1093.5	1107.4	1105.1
15°	1079.6	1084.2	1081.9	1095.8	1095.8
17.5°	1061.1	1065.7	1065.7	1081.9	1081.9
20°	1037.9	1044.8	1049.5	1068.0	1068.0
22.5°	1014.7	1024.0	1030.9	1047.2	1054.1
25°	986.9	998.5	1010.1	1030.9	1030.9
27.5°	959.1	973.0	986.9	1007.8	1010.1
30°	926.7	942.9	961.4	982.3	986.9
32.5°	894.3	915.1	933.6	959.1	966.1
35°	859.5	880.4	905.8	931.3	938.3
37.5°	820.1	845.6	878.0	905.8	912.8
40°	785.4	813.2	845.6	878.0	885.0
42.5°	746.0	776.1	815.5	845.6	857.2
45°	706.6	739.0	780.7	815.5	824.8
47.5°	664.9	702.0	748.3	780.7	792.3
50°	623.2	662.6	711.2	748.3	757.6
52.5°	581.5	623.2	674.2	711.2	722.8
55°	537.5	581.5	634.8	674.2	688.1
57.5°	495.8	539.8	595.4	637.1	651.0
60°	449.4	500.4	556.0	597.7	613.9
62.5°	410.1	456.4	516.6	558.3	572.2
65°	363.7	412.4	474.9	518.9	532.8
67.5°	319.7	370.7	433.2	479.6	493.5
70°	275.7	326.7	393.8	437.9	454.1
72.5°	231.7	285.0	349.8	398.5	414.7
75°	190.0	240.9	310.4	359.1	375.3
77.5°	146.0	201.6	271.1	319.7	338.2
80°	106.6	164.5	234.0	282.6	301.2
82.5°	71.8	129.7	199.2	247.9	266.4
85°	41.7	99.6	169.1	215.5	231.7
87.5°	20.9	76.5	141.3	187.7	203.9
90°	0.0	55.6	118.2	162.2	178.4
92.5°	0.0	53.3	115.8	157.5	173.8
95°	0.0	53.3	113.5	155.2	171.4
97.5°	0.0	51.0	111.2	155.2	169.1
100°	0.0	48.7	111.2	152.9	166.8
102.5°	0.0	46.3	108.9	150.6	164.5
105°	0.0	44.0	106.6	146.0	159.9
107.5°	2.3	44.0	101.9	143.6	157.5
110°	2.3	41.7	97.3	141.3	155.2



TEST NUMBER: P567102

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.3	39.4	92.7	136.7	150.6
115°	2.3	39.4	90.4	129.7	146.0
117.5°	2.3	37.1	85.7	125.1	141.3
120°	2.3	37.1	83.4	120.5	134.4
122.5°	2.3	34.8	78.8	115.8	129.7
125°	2.3	32.4	76.5	111.2	125.1
127.5°	2.3	30.1	74.1	106.6	120.5
130°	2.3	27.8	69.5	101.9	113.5
132.5°	2.3	27.8	67.2	95.0	108.9
135°	2.3	25.5	62.6	90.4	101.9
137.5°	2.3	23.2	57.9	85.7	97.3
140°	2.3	20.9	53.3	81.1	90.4
142.5°	2.3	20.9	48.7	74.1	83.4
145°	2.3	18.5	44.0	69.5	76.5
147.5°	2.3	16.2	39.4	62.6	69.5
150°	2.3	16.2	34.8	55.6	62.6
152.5°	2.3	13.9	30.1	51.0	57.9
155°	2.3	11.6	27.8	44.0	51.0
157.5°	2.3	11.6	23.2	37.1	44.0
160°	2.3	9.3	20.9	30.1	37.1
162.5°	2.3	9.3	18.5	25.5	32.4
165°	2.3	7.0	13.9	20.9	25.5
167.5°	2.3	7.0	11.6	16.2	20.9
170°	2.3	4.6	9.3	11.6	16.2
172.5°	2.3	4.6	7.0	7.0	7.0
175°	2.3	2.3	4.6	4.6	2.3
177.5°	2.3	2.3	2.3	2.3	2.3
180°	2.3	2.3	2.3	2.3	2.3

(END OF REPORT)