

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: P566596

Luminaire Tested: **4SNX-57SL-LW-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566596
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-57SL-LW-UNV-L940-CD
Description: 4FT 5700 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

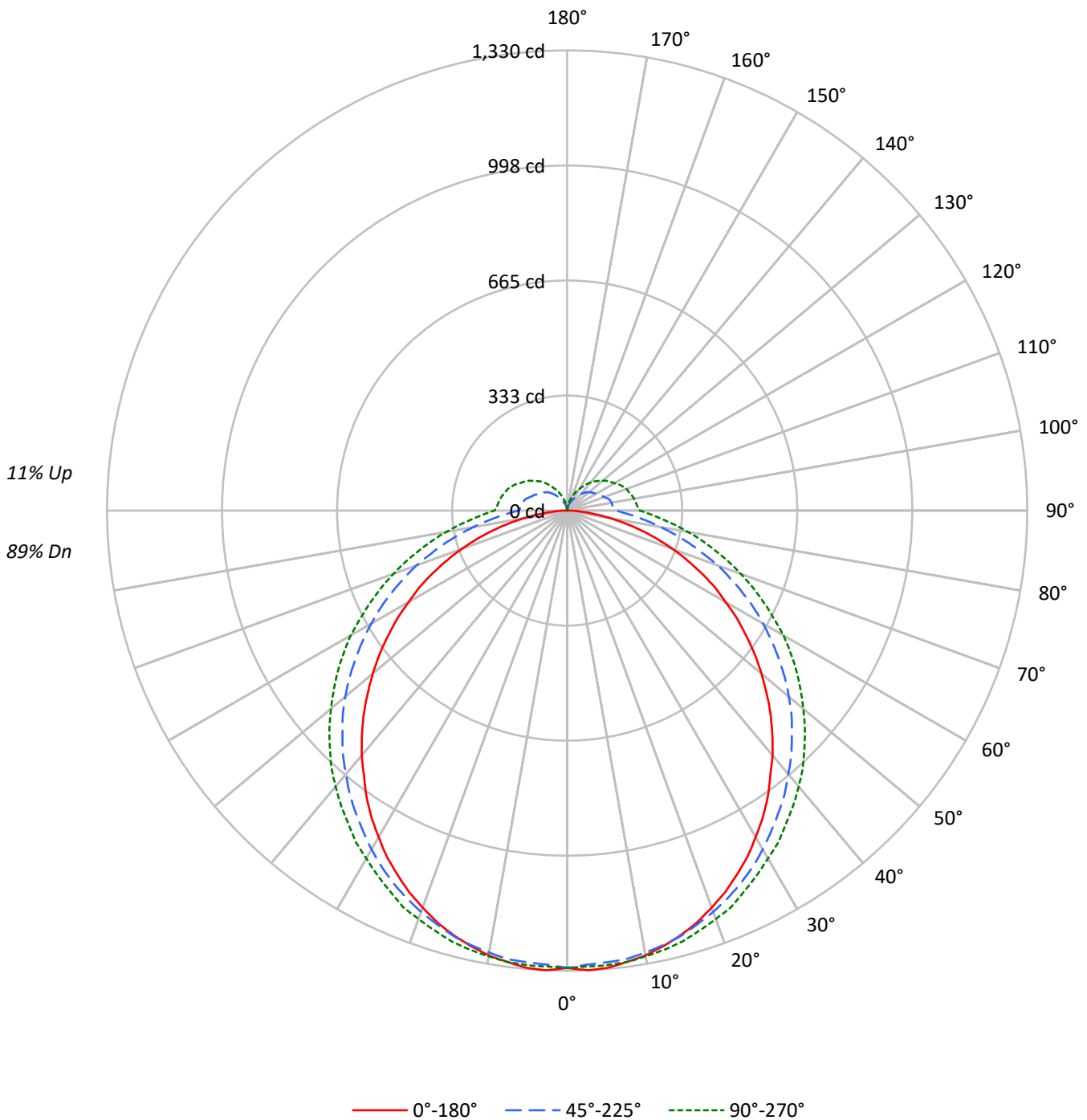
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4705.1 lumens
Efficiency: N/A
Efficacy: 118.5 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): 39.7
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	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°	14226	14226	14226
5°	14287	13568	13465
10°	14163	13027	12793
15°	13995	12503	12186
20°	13775	11959	11580
25°	13525	11439	10986
30°	13229	10903	10419
35°	12908	10366	9886
40°	12542	9840	9380
45°	12145	9314	8860
50°	11694	8773	8315
55°	11198	8169	7780
60°	10616	7539	7214
65°	10002	6859	6570
70°	9158	6136	5936
75°	8044	5293	5264
80°	6287	4442	4594
85°	4108	3653	3904



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.5	2.7
10°-20°	360.8	7.7
20°-30°	548.6	11.7
30°-40°	666.0	14.2
40°-50°	703.8	15.0
50°-60°	658.6	14.0
60°-70°	540.3	11.5
70°-80°	371.7	7.9
80°-90°	203.5	4.3
90°-100°	131.1	2.8
100°-110°	117.6	2.5
110°-120°	97.3	2.1
120°-130°	75.0	1.6
130°-140°	52.7	1.1
140°-150°	31.7	0.7
150°-160°	15.2	0.3
160°-170°	5.0	0.1
170°-180°	0.6	0.0
0°-30°	1035.0	22.0
0°-40°	1701.0	36.2
0°-60°	3063.3	65.1
0°-90°	4178.8	88.8
90°-120°	346.0	7.4
90°-150°	505.4	10.7
90°-180°	526.0	11.2
0°-180°	4705.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1322	1322	1322	1322	1322	
5°	1327	1324	1311	1322	1319	126
15°	1270	1275	1273	1289	1289	358
25°	1161	1174	1188	1213	1213	535
35°	1011	1036	1066	1096	1104	632
45°	831	869	918	959	970	641
55°	632	684	747	793	809	566
65°	428	485	559	610	627	424
75°	224	283	365	422	442	235
85°	49	117	199	253	272	57
90°	0	65	139	191	210	3
95°	0	63	134	183	202	0
105°	0	52	125	172	188	2
115°	3	46	106	153	172	3
125°	3	38	90	131	147	2
135°	3	30	74	106	120	2
145°	3	22	52	82	90	2
155°	3	14	33	52	60	1
165°	3	8	16	24	30	1
175°	3	3	6	6	3	0
180°	3	3	3	3	3	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1321.6	1321.6	1321.6	1321.6	1321.6
2.5°	1329.8	1327.1	1313.5	1324.4	1318.9
5°	1327.1	1324.4	1310.7	1321.6	1318.9
7.5°	1316.2	1316.2	1308.0	1318.9	1316.2
10°	1305.3	1305.3	1297.1	1310.7	1308.0
12.5°	1288.9	1291.7	1286.2	1302.6	1299.8
15°	1269.9	1275.3	1272.6	1288.9	1288.9
17.5°	1248.1	1253.5	1253.5	1272.6	1272.6
20°	1220.8	1229.0	1234.4	1256.2	1256.2
22.5°	1193.6	1204.5	1212.6	1231.7	1239.9
25°	1160.9	1174.5	1188.1	1212.6	1212.6
27.5°	1128.2	1144.5	1160.9	1185.4	1188.1
30°	1090.0	1109.1	1130.9	1155.4	1160.9
32.5°	1051.9	1076.4	1098.2	1128.2	1136.3
35°	1011.0	1035.5	1065.5	1095.5	1103.6
37.5°	964.7	994.6	1032.8	1065.5	1073.7
40°	923.8	956.5	994.6	1032.8	1041.0
42.5°	877.5	912.9	959.2	994.6	1008.3
45°	831.1	869.3	918.3	959.2	970.1
47.5°	782.1	825.7	880.2	918.3	932.0
50°	733.0	779.4	836.6	880.2	891.1
52.5°	684.0	733.0	793.0	836.6	850.2
55°	632.2	684.0	746.7	793.0	809.3
57.5°	583.2	634.9	700.3	749.4	765.7
60°	528.7	588.6	654.0	703.1	722.1
62.5°	482.3	536.8	607.7	656.7	673.1
65°	427.8	485.1	558.6	610.4	626.8
67.5°	376.1	436.0	509.6	564.1	580.4
70°	324.3	384.2	463.3	515.0	534.1
72.5°	272.5	335.2	411.5	468.7	487.8
75°	223.5	283.4	365.2	422.4	441.5
77.5°	171.7	237.1	318.8	376.1	397.9
80°	125.4	193.5	275.2	332.5	354.3
82.5°	84.5	152.6	234.4	291.6	313.4
85°	49.1	117.2	198.9	253.4	272.5
87.5°	24.5	89.9	166.2	220.7	239.8
90°	0.0	65.4	139.0	190.8	209.8
92.5°	0.0	62.7	136.3	185.3	204.4
95°	0.0	62.7	133.5	182.6	201.7
97.5°	0.0	60.0	130.8	182.6	198.9
100°	0.0	57.2	130.8	179.9	196.2
102.5°	0.0	54.5	128.1	177.1	193.5
105°	0.0	51.8	125.4	171.7	188.0
107.5°	2.7	51.8	119.9	169.0	185.3
110°	2.7	49.1	114.5	166.2	182.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.7	46.3	109.0	160.8	177.1
115°	2.7	46.3	106.3	152.6	171.7
117.5°	2.7	43.6	100.8	147.2	166.2
120°	2.7	43.6	98.1	141.7	158.1
122.5°	2.7	40.9	92.7	136.3	152.6
125°	2.7	38.2	89.9	130.8	147.2
127.5°	2.7	35.4	87.2	125.4	141.7
130°	2.7	32.7	81.8	119.9	133.5
132.5°	2.7	32.7	79.0	111.7	128.1
135°	2.7	30.0	73.6	106.3	119.9
137.5°	2.7	27.3	68.1	100.8	114.5
140°	2.7	24.5	62.7	95.4	106.3
142.5°	2.7	24.5	57.2	87.2	98.1
145°	2.7	21.8	51.8	81.8	89.9
147.5°	2.7	19.1	46.3	73.6	81.8
150°	2.7	19.1	40.9	65.4	73.6
152.5°	2.7	16.4	35.4	60.0	68.1
155°	2.7	13.6	32.7	51.8	60.0
157.5°	2.7	13.6	27.3	43.6	51.8
160°	2.7	10.9	24.5	35.4	43.6
162.5°	2.7	10.9	21.8	30.0	38.2
165°	2.7	8.2	16.4	24.5	30.0
167.5°	2.7	8.2	13.6	19.1	24.5
170°	2.7	5.5	10.9	13.6	19.1
172.5°	2.7	5.5	8.2	8.2	8.2
175°	2.7	2.7	5.5	5.5	2.7
177.5°	2.7	2.7	2.7	2.7	2.7
180°	2.7	2.7	2.7	2.7	2.7

(END OF REPORT)