

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: P566600

Luminaire Tested: **4SNX-57SL-SLW-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566600
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-SLW-UNV-L840-CD
Description: 4FT 5700 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

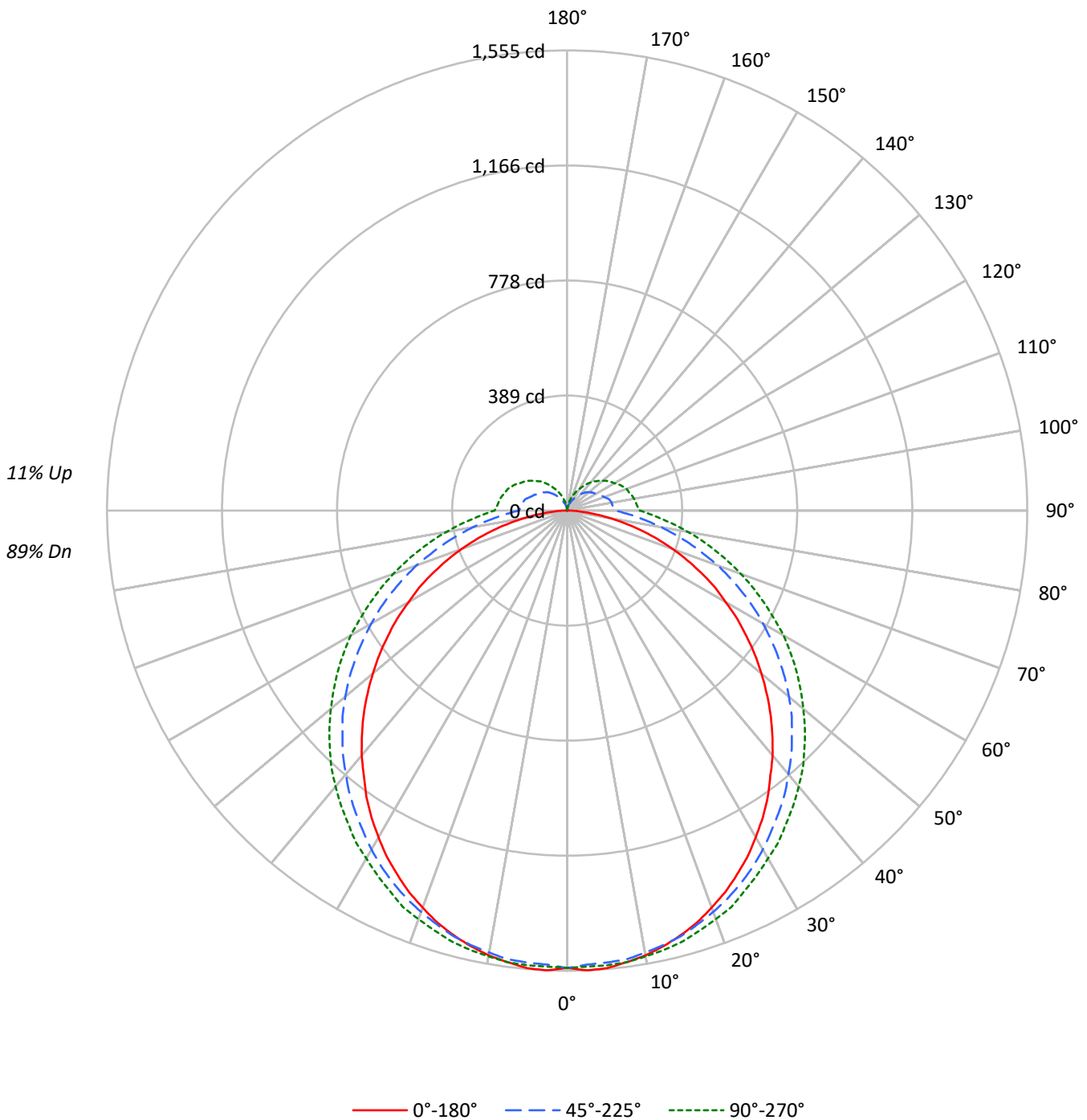
Lumens per Lamp: N/A
Luminaire Lumens: 5502.0 lumens
Efficiency: N/A
Efficacy: 138.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 39.7
Input Voltage (V): NR
Input Current (A_{in}): 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°	16636	16636	16636
5°	16738	16208	16194
10°	16623	15880	15794
15°	16457	15545	15425
20°	16230	15160	15013
25°	15968	14782	14584
30°	15656	14368	14159
35°	15312	13938	13760
40°	14920	13514	13378
45°	14494	13084	12964
50°	14008	12628	12502
55°	13475	12081	12048
60°	12847	11497	11543
65°	12200	10841	10904
70°	11290	10116	10280
75°	10086	9197	9588
80°	8130	8264	8908
85°	5730	7459	8209



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.8	2.7
10°-20°	421.9	7.7
20°-30°	641.6	11.7
30°-40°	778.8	14.2
40°-50°	823.0	15.0
50°-60°	770.1	14.0
60°-70°	631.9	11.5
70°-80°	434.6	7.9
80°-90°	238.0	4.3
90°-100°	153.3	2.8
100°-110°	137.5	2.5
110°-120°	113.8	2.1
120°-130°	87.7	1.6
130°-140°	61.6	1.1
140°-150°	37.1	0.7
150°-160°	17.8	0.3
160°-170°	5.8	0.1
170°-180°	0.7	0.0
0°-30°	1210.3	22.0
0°-40°	1989.1	36.2
0°-60°	3582.2	65.1
0°-90°	4886.7	88.8
90°-120°	404.6	7.4
90°-150°	591.0	10.7
90°-180°	615.0	11.2
0°-180°	5502.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1546	1546	1546	1546	1546	
5°	1552	1549	1533	1546	1542	147
15°	1485	1491	1488	1507	1507	419
25°	1358	1373	1389	1418	1418	626
35°	1182	1211	1246	1281	1291	739
45°	972	1016	1074	1122	1134	749
55°	739	800	873	927	946	662
65°	500	567	653	714	733	495
75°	261	331	427	494	516	275
85°	57	137	233	296	319	66
90°	0	76	162	223	245	4
95°	0	73	156	214	236	0
105°	0	60	147	201	220	2
115°	3	54	124	178	201	3
125°	3	45	105	153	172	3
135°	3	35	86	124	140	2
145°	3	26	60	96	105	2
155°	3	16	38	60	70	1
165°	3	10	19	29	35	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°	1545.5	1545.5	1545.5	1545.5	1545.5
2.5°	1555.1	1551.9	1536.0	1548.7	1542.3
5°	1551.9	1548.7	1532.8	1545.5	1542.3
7.5°	1539.2	1539.2	1529.6	1542.3	1539.2
10°	1526.4	1526.4	1516.8	1532.8	1529.6
12.5°	1507.3	1510.5	1504.1	1523.2	1520.0
15°	1485.0	1491.4	1488.2	1507.3	1507.3
17.5°	1459.5	1465.9	1465.9	1488.2	1488.2
20°	1427.6	1437.2	1443.6	1469.0	1469.0
22.5°	1395.8	1408.5	1418.1	1440.4	1449.9
25°	1357.5	1373.4	1389.4	1418.1	1418.1
27.5°	1319.3	1338.4	1357.5	1386.2	1389.4
30°	1274.7	1297.0	1322.5	1351.1	1357.5
32.5°	1230.0	1258.7	1284.2	1319.3	1328.8
35°	1182.2	1210.9	1246.0	1281.0	1290.6
37.5°	1128.1	1163.1	1207.7	1246.0	1255.5
40°	1080.3	1118.5	1163.1	1207.7	1217.3
42.5°	1026.1	1067.5	1121.7	1163.1	1179.1
45°	971.9	1016.5	1073.9	1121.7	1134.4
47.5°	914.6	965.6	1029.3	1073.9	1089.8
50°	857.2	911.4	978.3	1029.3	1042.0
52.5°	799.8	857.2	927.3	978.3	994.2
55°	739.3	799.8	873.1	927.3	946.4
57.5°	681.9	742.5	819.0	876.3	895.4
60°	618.2	688.3	764.8	822.2	844.5
62.5°	564.0	627.8	710.6	768.0	787.1
65°	500.3	567.2	653.3	713.8	732.9
67.5°	439.8	509.9	595.9	659.6	678.8
70°	379.2	449.3	541.7	602.3	624.6
72.5°	318.7	392.0	481.2	548.1	570.4
75°	261.3	331.4	427.0	493.9	516.2
77.5°	200.8	277.2	372.8	439.8	465.3
80°	146.6	226.3	321.9	388.8	414.3
82.5°	98.8	178.5	274.1	341.0	366.5
85°	57.4	137.0	232.6	296.4	318.7
87.5°	28.7	105.2	194.4	258.1	280.4
90°	0.0	76.5	162.5	223.1	245.4
92.5°	0.0	73.3	159.3	216.7	239.0
95°	0.0	73.3	156.1	213.5	235.8
97.5°	0.0	70.1	153.0	213.5	232.6
100°	0.0	66.9	153.0	210.3	229.4
102.5°	0.0	63.7	149.8	207.1	226.3
105°	0.0	60.5	146.6	200.8	219.9
107.5°	3.2	60.5	140.2	197.6	216.7
110°	3.2	57.4	133.8	194.4	213.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.2	54.2	127.5	188.0	207.1
115°	3.2	54.2	124.3	178.5	200.8
117.5°	3.2	51.0	117.9	172.1	194.4
120°	3.2	51.0	114.7	165.7	184.8
122.5°	3.2	47.8	108.3	159.3	178.5
125°	3.2	44.6	105.2	153.0	172.1
127.5°	3.2	41.4	102.0	146.6	165.7
130°	3.2	38.2	95.6	140.2	156.1
132.5°	3.2	38.2	92.4	130.7	149.8
135°	3.2	35.1	86.0	124.3	140.2
137.5°	3.2	31.9	79.7	117.9	133.8
140°	3.2	28.7	73.3	111.5	124.3
142.5°	3.2	28.7	66.9	102.0	114.7
145°	3.2	25.5	60.5	95.6	105.2
147.5°	3.2	22.3	54.2	86.0	95.6
150°	3.2	22.3	47.8	76.5	86.0
152.5°	3.2	19.1	41.4	70.1	79.7
155°	3.2	15.9	38.2	60.5	70.1
157.5°	3.2	15.9	31.9	51.0	60.5
160°	3.2	12.7	28.7	41.4	51.0
162.5°	3.2	12.7	25.5	35.1	44.6
165°	3.2	9.6	19.1	28.7	35.1
167.5°	3.2	9.6	15.9	22.3	28.7
170°	3.2	6.4	12.7	15.9	22.3
172.5°	3.2	6.4	9.6	9.6	9.6
175°	3.2	3.2	6.4	6.4	3.2
177.5°	3.2	3.2	3.2	3.2	3.2
180°	3.2	3.2	3.2	3.2	3.2

(END OF REPORT)