

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: P566601

Luminaire Tested: **4SNX-57SL-SLW-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566601
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-L850-CD
Description: 4FT 5700 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

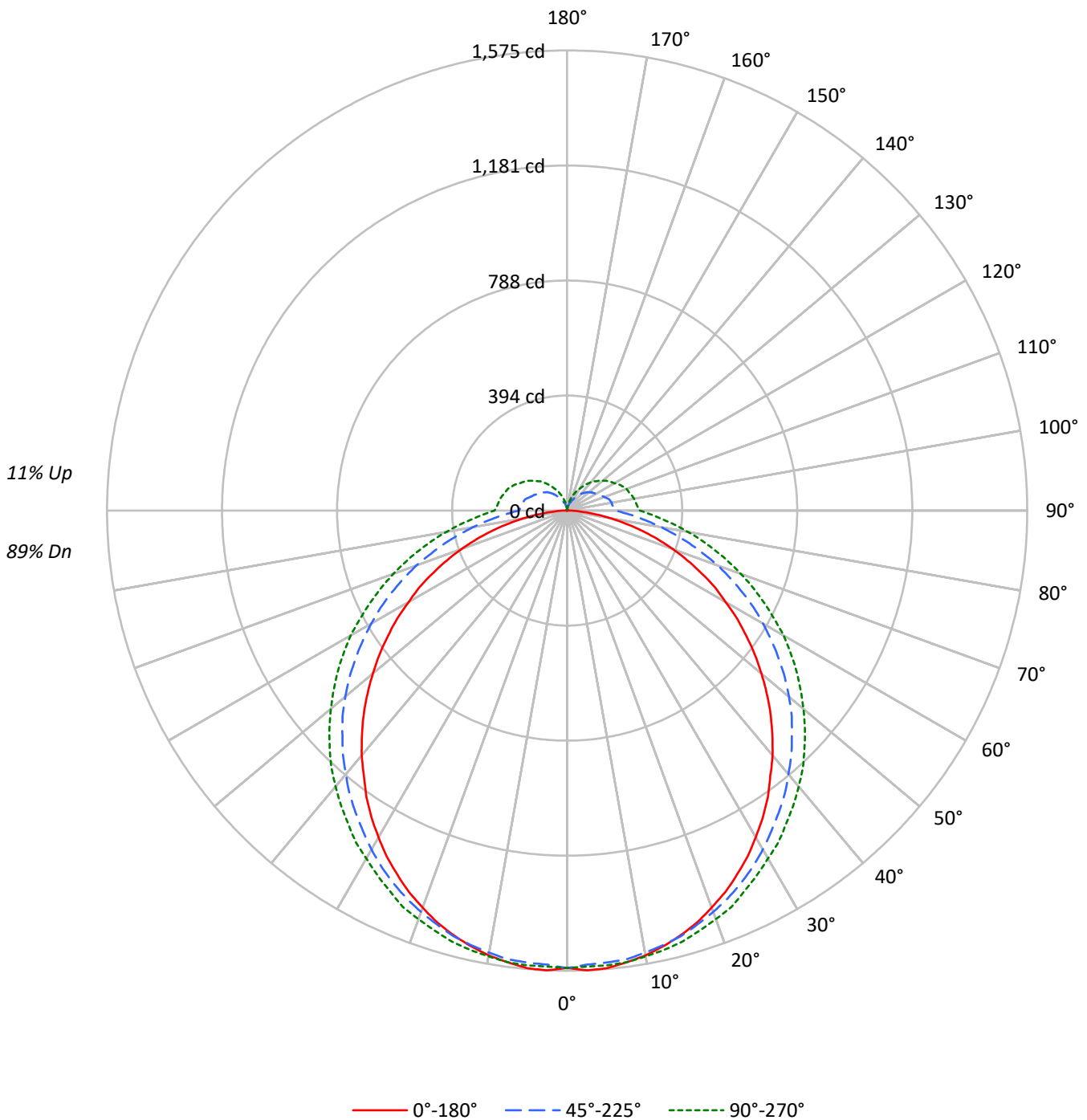
Lumens per Lamp: N/A
Luminaire Lumens: 5573.0 lumens
Efficiency: N/A
Efficacy: 140.4 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 39.7
Input Voltage (V): NR
Input Current (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	77	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°	16851	16851	16851
5°	16954	16418	16403
10°	16837	16085	15997
15°	16668	15746	15623
20°	16439	15355	15207
25°	16174	14973	14773
30°	15857	14553	14341
35°	15510	14119	13937
40°	15112	13689	13550
45°	14682	13253	13132
50°	14189	12791	12664
55°	13648	12238	12203
60°	13013	11646	11692
65°	12358	10980	11045
70°	11436	10246	10412
75°	10217	9315	9712
80°	8236	8369	9022
85°	5800	7556	8315



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.7	2.7
10°-20°	427.4	7.7
20°-30°	649.9	11.7
30°-40°	788.9	14.2
40°-50°	833.6	15.0
50°-60°	780.0	14.0
60°-70°	640.0	11.5
70°-80°	440.2	7.9
80°-90°	241.1	4.3
90°-100°	155.2	2.8
100°-110°	139.3	2.5
110°-120°	115.3	2.1
120°-130°	88.8	1.6
130°-140°	62.4	1.1
140°-150°	37.6	0.7
150°-160°	18.0	0.3
160°-170°	5.9	0.1
170°-180°	0.7	0.0
0°-30°	1225.9	22.0
0°-40°	2014.8	36.2
0°-60°	3628.5	65.1
0°-90°	4949.8	88.8
90°-120°	409.8	7.4
90°-150°	598.6	10.7
90°-180°	623.0	11.2
0°-180°	5573.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1566	1566	1566	1566	1566	
5°	1572	1569	1553	1566	1562	149
15°	1504	1511	1507	1527	1527	424
25°	1375	1391	1407	1436	1436	634
35°	1198	1227	1262	1298	1307	748
45°	984	1030	1088	1136	1149	759
55°	749	810	884	939	959	670
65°	507	574	662	723	742	502
75°	265	336	432	500	523	279
85°	58	139	236	300	323	67
90°	0	78	165	226	248	4
95°	0	74	158	216	239	0
105°	0	61	148	203	223	2
115°	3	55	126	181	203	3
125°	3	45	106	155	174	3
135°	3	36	87	126	142	2
145°	3	26	61	97	106	2
155°	3	16	39	61	71	1
165°	3	10	19	29	36	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°	1565.5	1565.5	1565.5	1565.5	1565.5
2.5°	1575.2	1571.9	1555.8	1568.7	1562.2
5°	1571.9	1568.7	1552.6	1565.5	1562.2
7.5°	1559.0	1559.0	1549.3	1562.2	1559.0
10°	1546.1	1546.1	1536.4	1552.6	1549.3
12.5°	1526.7	1530.0	1523.5	1542.9	1539.6
15°	1504.1	1510.6	1507.4	1526.7	1526.7
17.5°	1478.3	1484.8	1484.8	1507.4	1507.4
20°	1446.0	1455.7	1462.2	1488.0	1488.0
22.5°	1413.8	1426.7	1436.4	1459.0	1468.6
25°	1375.0	1391.2	1407.3	1436.4	1436.4
27.5°	1336.3	1355.7	1375.0	1404.1	1407.3
30°	1291.1	1313.7	1339.5	1368.6	1375.0
32.5°	1245.9	1275.0	1300.8	1336.3	1346.0
35°	1197.5	1226.6	1262.1	1297.6	1307.2
37.5°	1142.6	1178.1	1223.3	1262.1	1271.7
40°	1094.2	1132.9	1178.1	1223.3	1233.0
42.5°	1039.3	1081.3	1136.2	1178.1	1194.3
45°	984.5	1029.7	1087.8	1136.2	1149.1
47.5°	926.4	978.0	1042.6	1087.8	1103.9
50°	868.3	923.1	990.9	1042.6	1055.5
52.5°	810.2	868.3	939.3	990.9	1007.1
55°	748.8	810.2	884.4	939.3	958.6
57.5°	690.7	752.1	829.5	887.6	907.0
60°	626.2	697.2	774.7	832.8	855.4
62.5°	571.3	635.9	719.8	777.9	797.3
65°	506.8	574.5	661.7	723.0	742.4
67.5°	445.4	516.4	603.6	668.1	687.5
70°	384.1	455.1	548.7	610.0	632.6
72.5°	322.8	397.0	487.4	555.2	577.8
75°	264.7	335.7	432.5	500.3	522.9
77.5°	203.3	280.8	377.6	445.4	471.3
80°	148.5	229.2	326.0	393.8	419.6
82.5°	100.1	180.8	277.6	345.4	371.2
85°	58.1	138.8	235.6	300.2	322.8
87.5°	29.0	106.5	196.9	261.4	284.0
90°	0.0	77.5	164.6	225.9	248.5
92.5°	0.0	74.2	161.4	219.5	242.1
95°	0.0	74.2	158.2	216.3	238.9
97.5°	0.0	71.0	154.9	216.3	235.6
100°	0.0	67.8	154.9	213.0	232.4
102.5°	0.0	64.6	151.7	209.8	229.2
105°	0.0	61.3	148.5	203.3	222.7
107.5°	3.2	61.3	142.0	200.1	219.5
110°	3.2	58.1	135.6	196.9	216.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.2	54.9	129.1	190.4	209.8
115°	3.2	54.9	125.9	180.8	203.3
117.5°	3.2	51.6	119.4	174.3	196.9
120°	3.2	51.6	116.2	167.8	187.2
122.5°	3.2	48.4	109.7	161.4	180.8
125°	3.2	45.2	106.5	154.9	174.3
127.5°	3.2	42.0	103.3	148.5	167.8
130°	3.2	38.7	96.8	142.0	158.2
132.5°	3.2	38.7	93.6	132.3	151.7
135°	3.2	35.5	87.1	125.9	142.0
137.5°	3.2	32.3	80.7	119.4	135.6
140°	3.2	29.0	74.2	113.0	125.9
142.5°	3.2	29.0	67.8	103.3	116.2
145°	3.2	25.8	61.3	96.8	106.5
147.5°	3.2	22.6	54.9	87.1	96.8
150°	3.2	22.6	48.4	77.5	87.1
152.5°	3.2	19.4	42.0	71.0	80.7
155°	3.2	16.1	38.7	61.3	71.0
157.5°	3.2	16.1	32.3	51.6	61.3
160°	3.2	12.9	29.0	42.0	51.6
162.5°	3.2	12.9	25.8	35.5	45.2
165°	3.2	9.7	19.4	29.0	35.5
167.5°	3.2	9.7	16.1	22.6	29.0
170°	3.2	6.5	12.9	16.1	22.6
172.5°	3.2	6.5	9.7	9.7	9.7
175°	3.2	3.2	6.5	6.5	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)