

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: P566593

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566593
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-L850-CD
Description: 4FT 5700 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

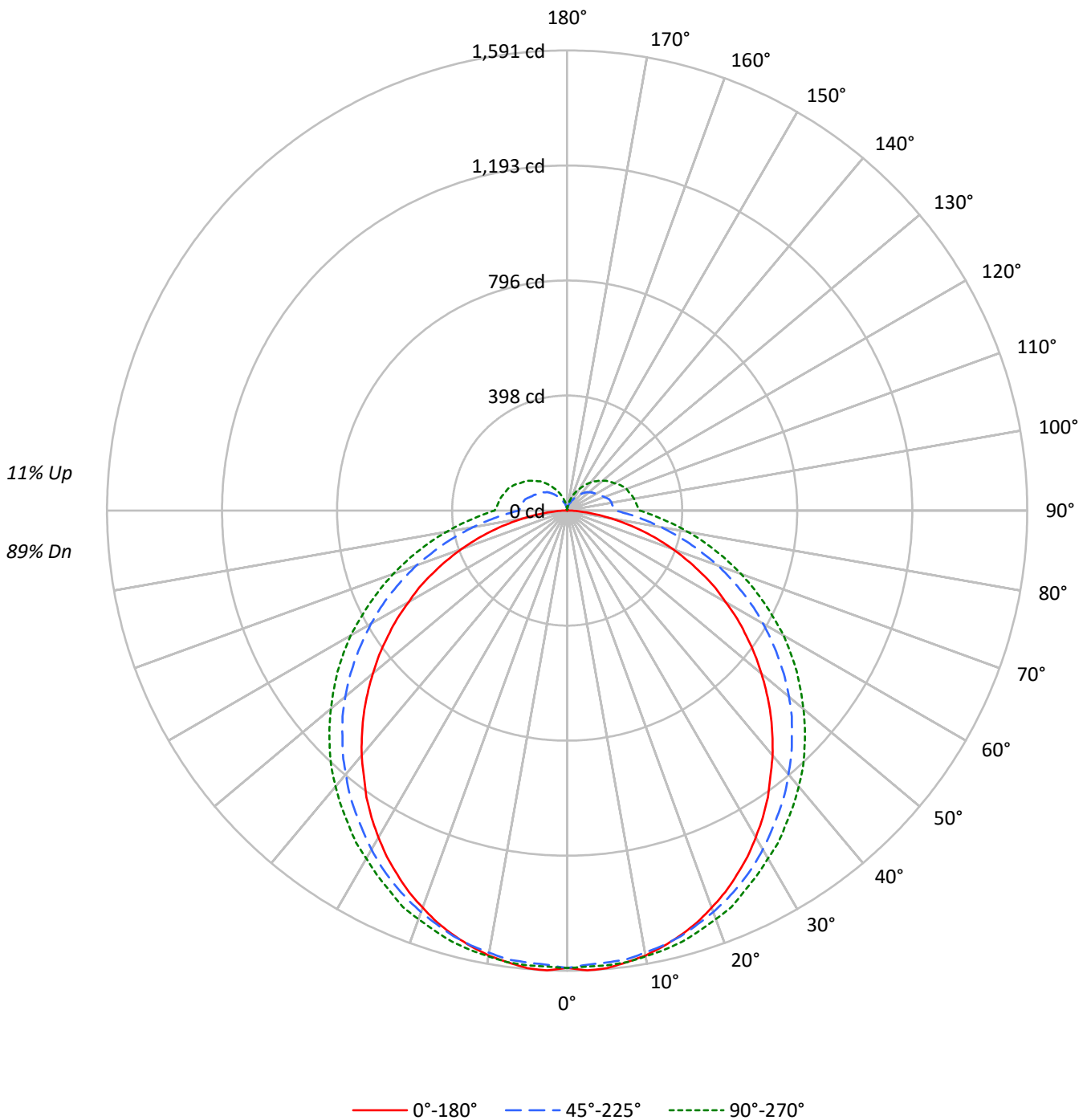
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5630.0 lumens
Efficiency: N/A
Efficacy: 141.8 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°	17023	17023	17023
5°	17096	16235	16113
10°	16947	15588	15308
15°	16746	14962	14583
20°	16483	14311	13856
25°	16183	13688	13146
30°	15830	13046	12467
35°	15446	12404	11830
40°	15008	11775	11224
45°	14533	11145	10602
50°	13994	10498	9950
55°	13399	9775	9310
60°	12702	9021	8633
65°	11968	8209	7862
70°	10957	7342	7103
75°	9624	6333	6298
80°	7521	5315	5496
85°	4911	4371	4672



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.2	2.7
10°-20°	431.8	7.7
20°-30°	656.5	11.7
30°-40°	796.9	14.2
40°-50°	842.1	15.0
50°-60°	788.0	14.0
60°-70°	646.6	11.5
70°-80°	444.7	7.9
80°-90°	243.5	4.3
90°-100°	156.8	2.8
100°-110°	140.7	2.5
110°-120°	116.5	2.1
120°-130°	89.7	1.6
130°-140°	63.0	1.1
140°-150°	38.0	0.7
150°-160°	18.2	0.3
160°-170°	6.0	0.1
170°-180°	0.7	0.0
0°-30°	1238.5	22.0
0°-40°	2035.4	36.2
0°-60°	3665.6	65.1
0°-90°	5000.4	88.8
90°-120°	414.1	7.4
90°-150°	604.8	10.7
90°-180°	630.0	11.2
0°-180°	5630.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1582	1582	1582	1582	1582	
5°	1588	1585	1568	1582	1578	151
15°	1520	1526	1523	1542	1542	428
25°	1389	1405	1422	1451	1451	640
35°	1210	1239	1275	1311	1321	756
45°	994	1040	1099	1148	1161	767
55°	756	818	894	949	968	677
65°	512	580	668	730	750	507
75°	267	339	437	505	528	282
85°	59	140	238	303	326	68
90°	0	78	166	228	251	4
95°	0	75	160	218	241	0
105°	0	62	150	205	225	2
115°	3	55	127	183	205	3
125°	3	46	108	156	176	3
135°	3	36	88	127	144	3
145°	3	26	62	98	108	2
155°	3	16	39	62	72	2
165°	3	10	20	29	36	1
175°	3	3	6	6	3	0
180°	3	3	3	3	3	



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CATALOG NUMBER: 4SNX-57SL-LW-UNV-L850-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1581.5	1581.5	1581.5	1581.5	1581.5
2.5°	1591.3	1588.0	1571.7	1584.7	1578.2
5°	1588.0	1584.7	1568.4	1581.5	1578.2
7.5°	1575.0	1575.0	1565.2	1578.2	1575.0
10°	1561.9	1561.9	1552.1	1568.4	1565.2
12.5°	1542.4	1545.6	1539.1	1558.7	1555.4
15°	1519.5	1526.0	1522.8	1542.4	1542.4
17.5°	1493.4	1500.0	1500.0	1522.8	1522.8
20°	1460.8	1470.6	1477.1	1503.2	1503.2
22.5°	1428.2	1441.3	1451.0	1473.9	1483.7
25°	1389.1	1405.4	1421.7	1451.0	1451.0
27.5°	1350.0	1369.5	1389.1	1418.4	1421.7
30°	1304.3	1327.1	1353.2	1382.6	1389.1
32.5°	1258.7	1288.0	1314.1	1350.0	1359.7
35°	1209.8	1239.1	1275.0	1310.8	1320.6
37.5°	1154.3	1190.2	1235.8	1275.0	1284.7
40°	1105.4	1144.5	1190.2	1235.8	1245.6
42.5°	1050.0	1092.4	1147.8	1190.2	1206.5
45°	994.5	1040.2	1098.9	1147.8	1160.8
47.5°	935.8	988.0	1053.2	1098.9	1115.2
50°	877.2	932.6	1001.1	1053.2	1066.3
52.5°	818.5	877.2	948.9	1001.1	1017.4
55°	756.5	818.5	893.5	948.9	968.5
57.5°	697.8	759.8	838.0	896.7	916.3
60°	632.6	704.3	782.6	841.3	864.1
62.5°	577.2	642.4	727.2	785.8	805.4
65°	511.9	580.4	668.5	730.4	750.0
67.5°	450.0	521.7	609.8	675.0	694.5
70°	388.0	459.8	554.3	616.3	639.1
72.5°	326.1	401.1	492.4	560.9	583.7
75°	267.4	339.1	436.9	505.4	528.2
77.5°	205.4	283.7	381.5	450.0	476.1
80°	150.0	231.5	329.3	397.8	423.9
82.5°	101.1	182.6	280.4	348.9	375.0
85°	58.7	140.2	238.0	303.3	326.1
87.5°	29.3	107.6	198.9	264.1	286.9
90°	0.0	78.3	166.3	228.3	251.1
92.5°	0.0	75.0	163.0	221.7	244.6
95°	0.0	75.0	159.8	218.5	241.3
97.5°	0.0	71.7	156.5	218.5	238.0
100°	0.0	68.5	156.5	215.2	234.8
102.5°	0.0	65.2	153.3	212.0	231.5
105°	0.0	62.0	150.0	205.4	225.0
107.5°	3.3	62.0	143.5	202.2	221.7
110°	3.3	58.7	137.0	198.9	218.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.3	55.4	130.4	192.4	212.0
115°	3.3	55.4	127.2	182.6	205.4
117.5°	3.3	52.2	120.6	176.1	198.9
120°	3.3	52.2	117.4	169.6	189.1
122.5°	3.3	48.9	110.9	163.0	182.6
125°	3.3	45.7	107.6	156.5	176.1
127.5°	3.3	42.4	104.3	150.0	169.6
130°	3.3	39.1	97.8	143.5	159.8
132.5°	3.3	39.1	94.6	133.7	153.3
135°	3.3	35.9	88.0	127.2	143.5
137.5°	3.3	32.6	81.5	120.6	137.0
140°	3.3	29.3	75.0	114.1	127.2
142.5°	3.3	29.3	68.5	104.3	117.4
145°	3.3	26.1	62.0	97.8	107.6
147.5°	3.3	22.8	55.4	88.0	97.8
150°	3.3	22.8	48.9	78.3	88.0
152.5°	3.3	19.6	42.4	71.7	81.5
155°	3.3	16.3	39.1	62.0	71.7
157.5°	3.3	16.3	32.6	52.2	62.0
160°	3.3	13.0	29.3	42.4	52.2
162.5°	3.3	13.0	26.1	35.9	45.7
165°	3.3	9.8	19.6	29.3	35.9
167.5°	3.3	9.8	16.3	22.8	29.3
170°	3.3	6.5	13.0	16.3	22.8
172.5°	3.3	6.5	9.8	9.8	9.8
175°	3.3	3.3	6.5	6.5	3.3
177.5°	3.3	3.3	3.3	3.3	3.3
180°	3.3	3.3	3.3	3.3	3.3

(END OF REPORT)