

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: P566594

Luminaire Tested: **4SNX-57SL-LW-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566594
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-L930-CD
Description: 4FT 5700 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

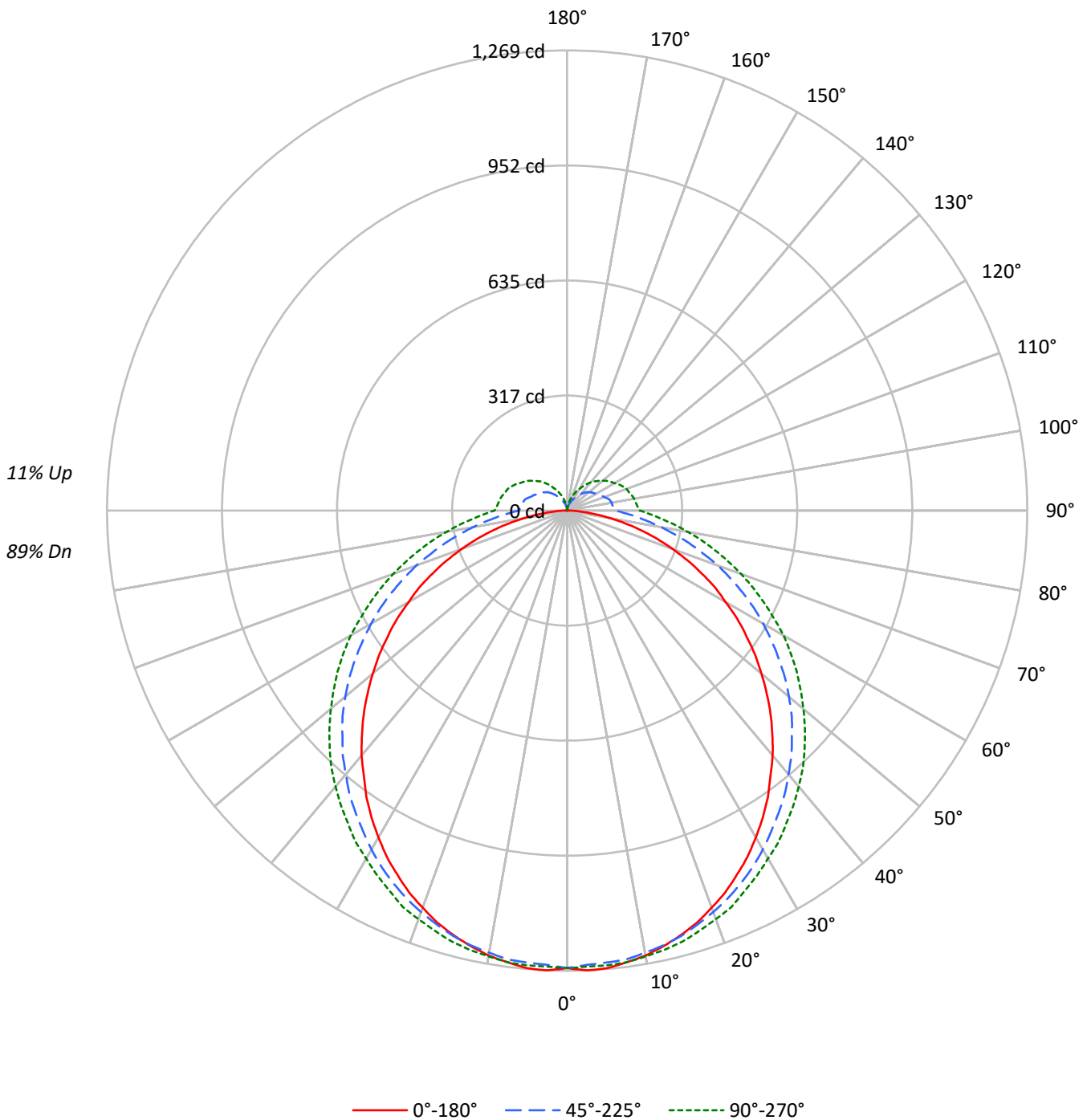
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4491.0 lumens
Efficiency: N/A
Efficacy: 113.1 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 (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	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°	13579	13579	13579
5°	13637	12951	12853
10°	13518	12434	12211
15°	13358	11934	11632
20°	13149	11416	11053
25°	12910	10919	10487
30°	12627	10408	9945
35°	12321	9894	9437
40°	11972	9393	8953
45°	11593	8891	8458
50°	11163	8373	7937
55°	10689	7797	7426
60°	10132	7197	6887
65°	9549	6547	6272
70°	8740	5857	5666
75°	7677	5051	5024
80°	6002	4240	4384
85°	3915	3487	3726



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.8	2.7
10°-20°	344.4	7.7
20°-30°	523.7	11.7
30°-40°	635.7	14.2
40°-50°	671.8	15.0
50°-60°	628.6	14.0
60°-70°	515.8	11.5
70°-80°	354.8	7.9
80°-90°	194.3	4.3
90°-100°	125.1	2.8
100°-110°	112.3	2.5
110°-120°	92.9	2.1
120°-130°	71.6	1.6
130°-140°	50.3	1.1
140°-150°	30.3	0.7
150°-160°	14.5	0.3
160°-170°	4.8	0.1
170°-180°	0.6	0.0
0°-30°	987.9	22.0
0°-40°	1623.6	36.2
0°-60°	2924.0	65.1
0°-90°	3988.8	88.8
90°-120°	330.3	7.4
90°-150°	482.4	10.7
90°-180°	502.0	11.2
0°-180°	4491.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1262	1262	1262	1262	1262	
5°	1267	1264	1251	1262	1259	120
15°	1212	1217	1215	1230	1230	342
25°	1108	1121	1134	1158	1158	511
35°	965	988	1017	1046	1053	603
45°	793	830	877	916	926	611
55°	604	653	713	757	772	540
65°	408	463	533	583	598	404
75°	213	270	348	403	421	225
85°	47	112	190	242	260	54
90°	0	62	133	182	200	3
95°	0	60	128	174	192	0
105°	0	49	120	164	180	2
115°	3	44	101	146	164	3
125°	3	36	86	125	140	2
135°	3	29	70	101	114	2
145°	3	21	49	78	86	2
155°	3	13	31	49	57	1
165°	3	8	16	23	29	1
175°	3	3	5	5	3	0
180°	3	3	3	3	3	



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CATALOG NUMBER: 4SNX-57SL-LW-UNV-L930-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1261.5	1261.5	1261.5	1261.5	1261.5
2.5°	1269.3	1266.7	1253.7	1264.1	1258.9
5°	1266.7	1264.1	1251.1	1261.5	1258.9
7.5°	1256.3	1256.3	1248.5	1258.9	1256.3
10°	1245.9	1245.9	1238.1	1251.1	1248.5
12.5°	1230.3	1232.9	1227.7	1243.3	1240.7
15°	1212.1	1217.3	1214.7	1230.3	1230.3
17.5°	1191.3	1196.5	1196.5	1214.7	1214.7
20°	1165.3	1173.1	1178.3	1199.1	1199.1
22.5°	1139.3	1149.7	1157.5	1175.7	1183.5
25°	1108.1	1121.1	1134.1	1157.5	1157.5
27.5°	1076.9	1092.5	1108.1	1131.5	1134.1
30°	1040.4	1058.6	1079.5	1102.9	1108.1
32.5°	1004.0	1027.4	1048.2	1076.9	1084.7
35°	965.0	988.4	1017.0	1045.6	1053.4
37.5°	920.8	949.4	985.8	1017.0	1024.8
40°	881.8	913.0	949.4	985.8	993.6
42.5°	837.6	871.4	915.6	949.4	962.4
45°	793.3	829.8	876.6	915.6	926.0
47.5°	746.5	788.1	840.2	876.6	889.6
50°	699.7	743.9	798.5	840.2	850.6
52.5°	652.9	699.7	756.9	798.5	811.5
55°	603.5	652.9	712.7	756.9	772.5
57.5°	556.6	606.1	668.5	715.3	730.9
60°	504.6	561.8	624.3	671.1	689.3
62.5°	460.4	512.4	580.0	626.9	642.5
65°	408.4	463.0	533.2	582.6	598.3
67.5°	359.0	416.2	486.4	538.4	554.0
70°	309.5	366.8	442.2	491.6	509.8
72.5°	260.1	319.9	392.8	447.4	465.6
75°	213.3	270.5	348.5	403.2	421.4
77.5°	163.9	226.3	304.3	359.0	379.8
80°	119.7	184.7	262.7	317.3	338.1
82.5°	80.6	145.7	223.7	278.3	299.1
85°	46.8	111.8	189.9	241.9	260.1
87.5°	23.4	85.8	158.7	210.7	228.9
90°	0.0	62.4	132.7	182.1	200.3
92.5°	0.0	59.8	130.1	176.9	195.1
95°	0.0	59.8	127.5	174.3	192.5
97.5°	0.0	57.2	124.9	174.3	189.9
100°	0.0	54.6	124.9	171.7	187.3
102.5°	0.0	52.0	122.3	169.1	184.7
105°	0.0	49.4	119.7	163.9	179.5
107.5°	2.6	49.4	114.4	161.3	176.9
110°	2.6	46.8	109.2	158.7	174.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.6	44.2	104.0	153.5	169.1
115°	2.6	44.2	101.4	145.7	163.9
117.5°	2.6	41.6	96.2	140.5	158.7
120°	2.6	41.6	93.6	135.3	150.9
122.5°	2.6	39.0	88.4	130.1	145.7
125°	2.6	36.4	85.8	124.9	140.5
127.5°	2.6	33.8	83.2	119.7	135.3
130°	2.6	31.2	78.0	114.4	127.5
132.5°	2.6	31.2	75.4	106.6	122.3
135°	2.6	28.6	70.2	101.4	114.4
137.5°	2.6	26.0	65.0	96.2	109.2
140°	2.6	23.4	59.8	91.0	101.4
142.5°	2.6	23.4	54.6	83.2	93.6
145°	2.6	20.8	49.4	78.0	85.8
147.5°	2.6	18.2	44.2	70.2	78.0
150°	2.6	18.2	39.0	62.4	70.2
152.5°	2.6	15.6	33.8	57.2	65.0
155°	2.6	13.0	31.2	49.4	57.2
157.5°	2.6	13.0	26.0	41.6	49.4
160°	2.6	10.4	23.4	33.8	41.6
162.5°	2.6	10.4	20.8	28.6	36.4
165°	2.6	7.8	15.6	23.4	28.6
167.5°	2.6	7.8	13.0	18.2	23.4
170°	2.6	5.2	10.4	13.0	18.2
172.5°	2.6	5.2	7.8	7.8	7.8
175°	2.6	2.6	5.2	5.2	2.6
177.5°	2.6	2.6	2.6	2.6	2.6
180°	2.6	2.6	2.6	2.6	2.6

(END OF REPORT)