

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: P566365

Luminaire Tested: **4SNX-37SL-SLW-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566365
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-37SL-SLW-UNV-L950-CD
Description: 4FT 3700 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

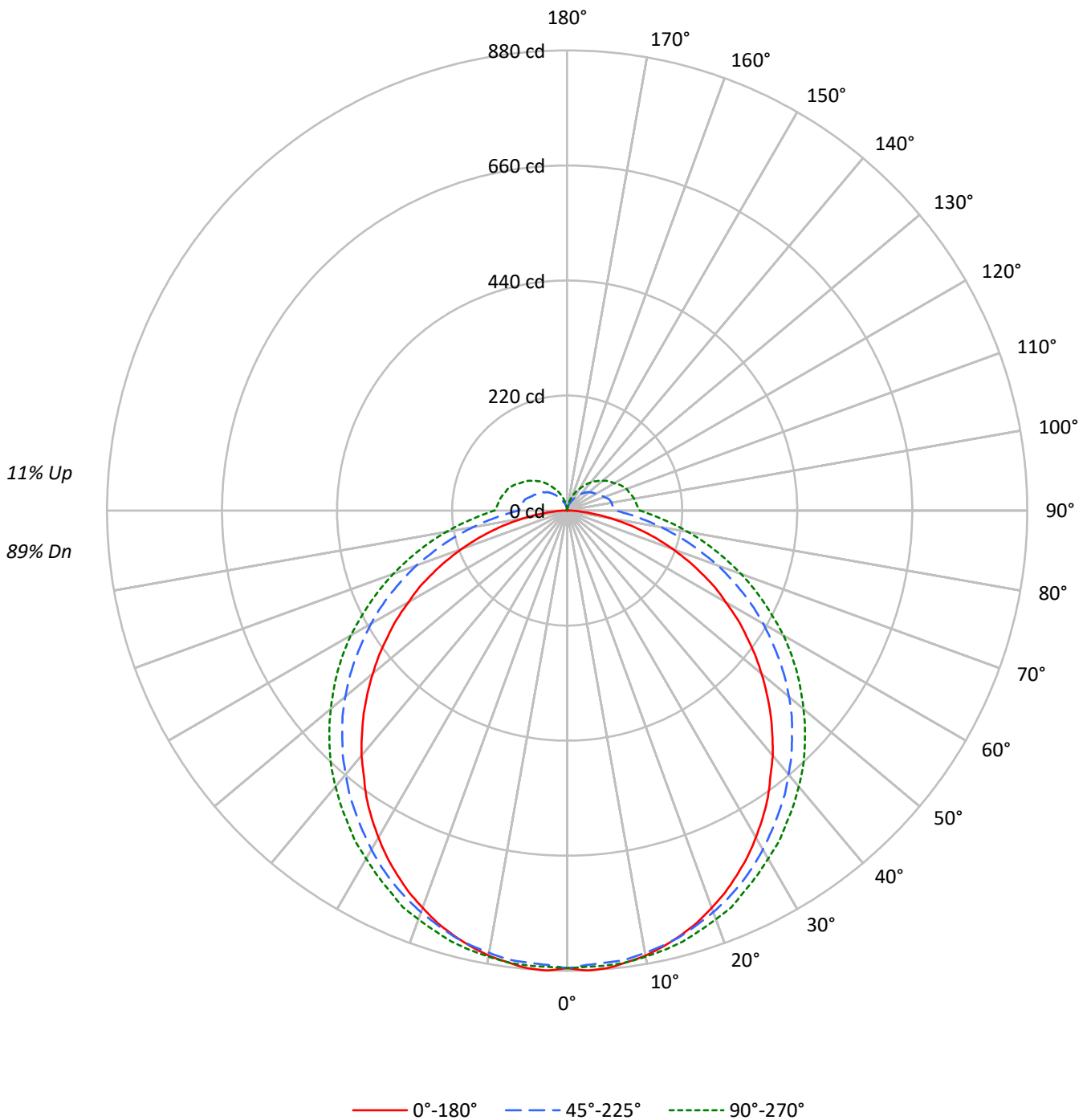
Lumens per Lamp: N/A
Luminaire Lumens: 3115.0 lumens
Efficiency: N/A
Efficacy: 129.8 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 24
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°	9418	9418	9418
5°	9476	9176	9169
10°	9411	8991	8942
15°	9317	8800	8733
20°	9189	8583	8500
25°	9041	8369	8256
30°	8864	8134	8016
35°	8669	7891	7791
40°	8447	7651	7574
45°	8207	7408	7340
50°	7931	7150	7079
55°	7629	6840	6821
60°	7273	6509	6535
65°	6908	6136	6174
70°	6393	5727	5820
75°	5709	5208	5429
80°	4603	4677	5042
85°	3244	4224	4647



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.1	2.7
10°-20°	238.9	7.7
20°-30°	363.2	11.7
30°-40°	440.9	14.2
40°-50°	465.9	15.0
50°-60°	436.0	14.0
60°-70°	357.7	11.5
70°-80°	246.1	7.9
80°-90°	134.7	4.3
90°-100°	86.8	2.8
100°-110°	77.9	2.5
110°-120°	64.5	2.1
120°-130°	49.6	1.6
130°-140°	34.9	1.1
140°-150°	21.0	0.7
150°-160°	10.1	0.3
160°-170°	3.3	0.1
170°-180°	0.4	0.0
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0°-30°	685.2	22.0
0°-40°	1126.2	36.2
0°-60°	2028.1	65.1
0°-90°	2766.6	88.8
90°-120°	229.1	7.4
90°-150°	334.6	10.7
90°-180°	348.0	11.2
0°-180°	3115.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	875	875	875	875	875	
5°	879	877	868	875	873	83
15°	841	844	842	853	853	237
25°	769	778	787	803	803	354
35°	669	686	705	725	731	418
45°	550	576	608	635	642	424
55°	419	453	494	525	536	375
65°	283	321	370	404	415	281
75°	148	188	242	280	292	156
85°	32	78	132	168	180	38
90°	0	43	92	126	139	2
95°	0	42	88	121	134	0
105°	0	34	83	114	124	1
115°	2	31	70	101	114	2
125°	2	25	60	87	97	2
135°	2	20	49	70	79	1
145°	2	14	34	54	60	1
155°	2	9	22	34	40	1
165°	2	5	11	16	20	1
175°	2	2	4	4	2	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	875.0	875.0	875.0	875.0	875.0
2.5°	880.4	878.6	869.6	876.8	873.2
5°	878.6	876.8	867.8	875.0	873.2
7.5°	871.4	871.4	866.0	873.2	871.4
10°	864.2	864.2	858.8	867.8	866.0
12.5°	853.4	855.2	851.6	862.4	860.6
15°	840.7	844.3	842.5	853.4	853.4
17.5°	826.3	829.9	829.9	842.5	842.5
20°	808.3	813.7	817.3	831.7	831.7
22.5°	790.2	797.4	802.8	815.5	820.9
25°	768.6	777.6	786.6	802.8	802.8
27.5°	746.9	757.7	768.6	784.8	786.6
30°	721.7	734.3	748.7	765.0	768.6
32.5°	696.4	712.6	727.1	746.9	752.3
35°	669.3	685.6	705.4	725.3	730.7
37.5°	638.7	658.5	683.8	705.4	710.8
40°	611.6	633.3	658.5	683.8	689.2
42.5°	580.9	604.4	635.1	658.5	667.5
45°	550.3	575.5	608.0	635.1	642.3
47.5°	517.8	546.7	582.7	608.0	617.0
50°	485.3	516.0	553.9	582.7	590.0
52.5°	452.8	485.3	525.0	553.9	562.9
55°	418.6	452.8	494.3	525.0	535.8
57.5°	386.1	420.4	463.7	496.1	507.0
60°	350.0	389.7	433.0	465.5	478.1
62.5°	319.3	355.4	402.3	434.8	445.6
65°	283.3	321.1	369.8	404.1	415.0
67.5°	249.0	288.7	337.4	373.5	384.3
70°	214.7	254.4	306.7	341.0	353.6
72.5°	180.4	221.9	272.4	310.3	322.9
75°	147.9	187.6	241.8	279.6	292.3
77.5°	113.7	157.0	211.1	249.0	263.4
80°	83.0	128.1	182.2	220.1	234.5
82.5°	55.9	101.0	155.2	193.0	207.5
85°	32.5	77.6	131.7	167.8	180.4
87.5°	16.2	59.5	110.1	146.1	158.8
90°	0.0	43.3	92.0	126.3	138.9
92.5°	0.0	41.5	90.2	122.7	135.3
95°	0.0	41.5	88.4	120.9	133.5
97.5°	0.0	39.7	86.6	120.9	131.7
100°	0.0	37.9	86.6	119.1	129.9
102.5°	0.0	36.1	84.8	117.3	128.1
105°	0.0	34.3	83.0	113.7	124.5
107.5°	1.8	34.3	79.4	111.9	122.7
110°	1.8	32.5	75.8	110.1	120.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.8	30.7	72.2	106.4	117.3
115°	1.8	30.7	70.4	101.0	113.7
117.5°	1.8	28.9	66.8	97.4	110.1
120°	1.8	28.9	64.9	93.8	104.6
122.5°	1.8	27.1	61.3	90.2	101.0
125°	1.8	25.3	59.5	86.6	97.4
127.5°	1.8	23.5	57.7	83.0	93.8
130°	1.8	21.6	54.1	79.4	88.4
132.5°	1.8	21.6	52.3	74.0	84.8
135°	1.8	19.8	48.7	70.4	79.4
137.5°	1.8	18.0	45.1	66.8	75.8
140°	1.8	16.2	41.5	63.1	70.4
142.5°	1.8	16.2	37.9	57.7	64.9
145°	1.8	14.4	34.3	54.1	59.5
147.5°	1.8	12.6	30.7	48.7	54.1
150°	1.8	12.6	27.1	43.3	48.7
152.5°	1.8	10.8	23.5	39.7	45.1
155°	1.8	9.0	21.6	34.3	39.7
157.5°	1.8	9.0	18.0	28.9	34.3
160°	1.8	7.2	16.2	23.5	28.9
162.5°	1.8	7.2	14.4	19.8	25.3
165°	1.8	5.4	10.8	16.2	19.8
167.5°	1.8	5.4	9.0	12.6	16.2
170°	1.8	3.6	7.2	9.0	12.6
172.5°	1.8	3.6	5.4	5.4	5.4
175°	1.8	1.8	3.6	3.6	1.8
177.5°	1.8	1.8	1.8	1.8	1.8
180°	1.8	1.8	1.8	1.8	1.8

(END OF REPORT)