

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: P566363

Luminaire Tested: **4SNX-37SL-SLW-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566363
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-L935-CD
Description: 4FT 3700 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

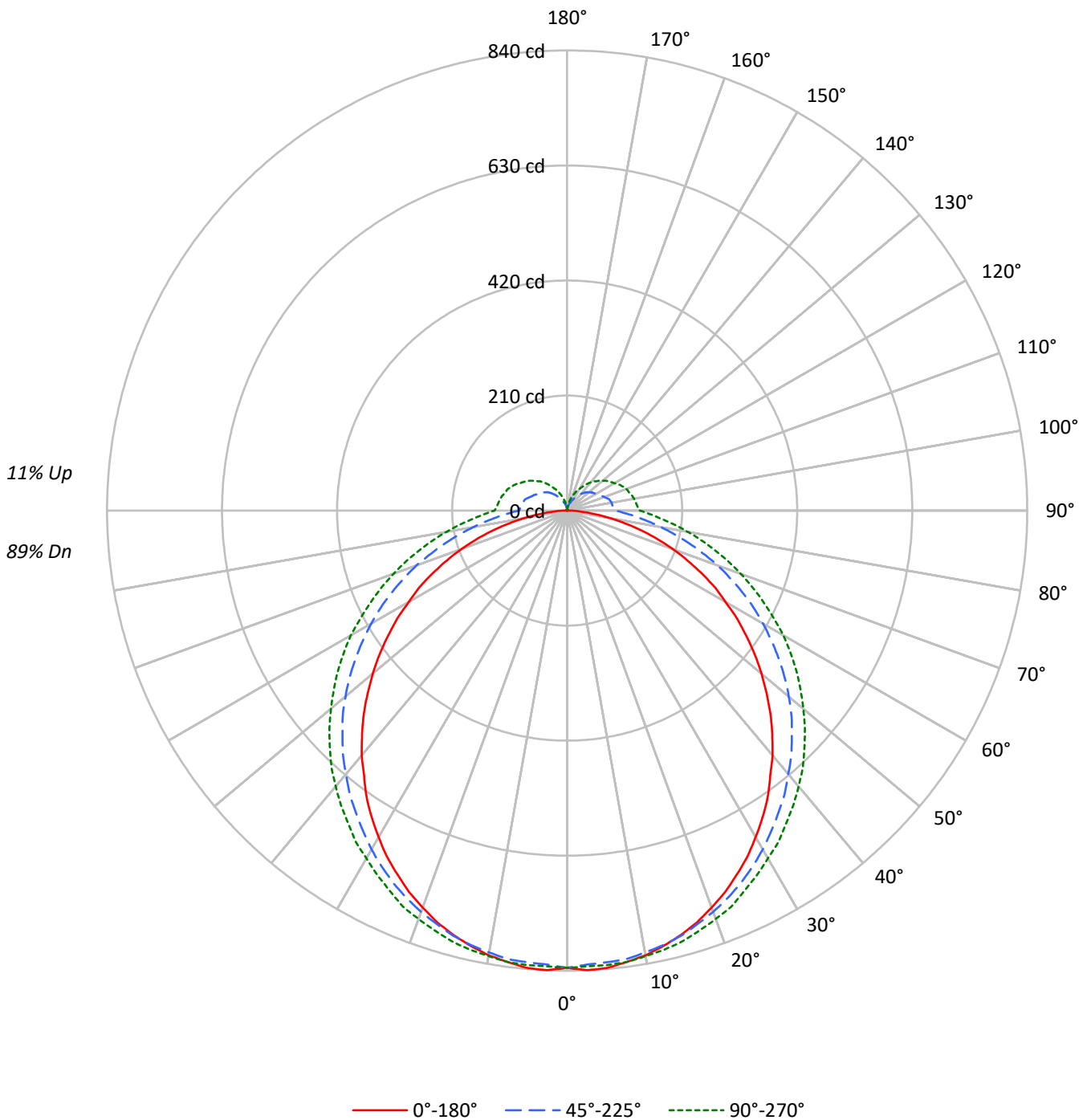
Lumens per Lamp: N/A
Luminaire Lumens: 2971.0 lumens
Efficiency: N/A
Efficacy: 123.8 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')
CIE Type: Semi-Direct

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°	8984	8984	8984
5°	9038	8752	8744
10°	8976	8576	8529
15°	8887	8394	8329
20°	8764	8186	8107
25°	8622	7982	7875
30°	8454	7758	7645
35°	8269	7526	7430
40°	8056	7298	7224
45°	7826	7065	7001
50°	7565	6820	6751
55°	7276	6524	6506
60°	6937	6209	6233
65°	6589	5854	5888
70°	6098	5462	5551
75°	5446	4967	5179
80°	4392	4462	4810
85°	3095	4028	4433



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.3	2.7
10°-20°	227.8	7.7
20°-30°	346.4	11.7
30°-40°	420.5	14.2
40°-50°	444.4	15.0
50°-60°	415.8	14.0
60°-70°	341.2	11.5
70°-80°	234.7	7.9
80°-90°	128.5	4.3
90°-100°	82.8	2.8
100°-110°	74.3	2.5
110°-120°	61.5	2.1
120°-130°	47.3	1.6
130°-140°	33.3	1.1
140°-150°	20.0	0.7
150°-160°	9.6	0.3
160°-170°	3.2	0.1
170°-180°	0.4	0.0
0°-30°	653.5	22.0
0°-40°	1074.1	36.2
0°-60°	1934.3	65.1
0°-90°	2638.8	88.8
90°-120°	218.5	7.4
90°-150°	319.1	10.7
90°-180°	332.0	11.2
0°-180°	2971.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	835	835	835	835	835	
5°	838	836	828	835	833	79
15°	802	805	804	814	814	226
25°	733	742	750	766	766	338
35°	638	654	673	692	697	399
45°	525	549	580	606	613	405
55°	399	432	472	501	511	357
65°	270	306	353	385	396	268
75°	141	179	231	267	279	149
85°	31	74	126	160	172	36
90°	0	41	88	120	132	2
95°	0	40	84	115	127	0
105°	0	33	79	108	119	1
115°	2	29	67	96	108	2
125°	2	24	57	83	93	2
135°	2	19	46	67	76	1
145°	2	14	33	52	57	1
155°	2	9	21	33	38	1
165°	2	5	10	16	19	0
175°	2	2	3	3	2	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	834.6	834.6	834.6	834.6	834.6
2.5°	839.7	838.0	829.4	836.3	832.8
5°	838.0	836.3	827.7	834.6	832.8
7.5°	831.1	831.1	826.0	832.8	831.1
10°	824.2	824.2	819.1	827.7	826.0
12.5°	813.9	815.6	812.2	822.5	820.8
15°	801.9	805.3	803.6	813.9	813.9
17.5°	788.1	791.5	791.5	803.6	803.6
20°	770.9	776.1	779.5	793.3	793.3
22.5°	753.7	760.6	765.7	777.8	782.9
25°	733.0	741.6	750.2	765.7	765.7
27.5°	712.4	722.7	733.0	748.5	750.2
30°	688.3	700.3	714.1	729.6	733.0
32.5°	664.2	679.7	693.5	712.4	717.6
35°	638.4	653.9	672.8	691.7	696.9
37.5°	609.1	628.1	652.2	672.8	678.0
40°	583.3	604.0	628.1	652.2	657.3
42.5°	554.1	576.4	605.7	628.1	636.7
45°	524.8	548.9	579.9	605.7	612.6
47.5°	493.9	521.4	555.8	579.9	588.5
50°	462.9	492.1	528.3	555.8	562.7
52.5°	431.9	462.9	500.7	528.3	536.9
55°	399.2	431.9	471.5	500.7	511.1
57.5°	368.2	400.9	442.2	473.2	483.5
60°	333.8	371.7	413.0	444.0	456.0
62.5°	304.6	339.0	383.7	414.7	425.0
65°	270.2	306.3	352.8	385.4	395.8
67.5°	237.5	275.3	321.8	356.2	366.5
70°	204.8	242.6	292.5	325.2	337.3
72.5°	172.1	211.7	259.8	296.0	308.0
75°	141.1	179.0	230.6	266.7	278.8
77.5°	108.4	149.7	201.3	237.5	251.2
80°	79.2	122.2	173.8	209.9	223.7
82.5°	53.3	96.4	148.0	184.1	197.9
85°	31.0	74.0	125.6	160.0	172.1
87.5°	15.5	56.8	105.0	139.4	151.4
90°	0.0	41.3	87.8	120.5	132.5
92.5°	0.0	39.6	86.0	117.0	129.1
95°	0.0	39.6	84.3	115.3	127.3
97.5°	0.0	37.9	82.6	115.3	125.6
100°	0.0	36.1	82.6	113.6	123.9
102.5°	0.0	34.4	80.9	111.8	122.2
105°	0.0	32.7	79.2	108.4	118.7
107.5°	1.7	32.7	75.7	106.7	117.0
110°	1.7	31.0	72.3	105.0	115.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.7	29.3	68.8	101.5	111.8
115°	1.7	29.3	67.1	96.4	108.4
117.5°	1.7	27.5	63.7	92.9	105.0
120°	1.7	27.5	61.9	89.5	99.8
122.5°	1.7	25.8	58.5	86.0	96.4
125°	1.7	24.1	56.8	82.6	92.9
127.5°	1.7	22.4	55.1	79.2	89.5
130°	1.7	20.6	51.6	75.7	84.3
132.5°	1.7	20.6	49.9	70.6	80.9
135°	1.7	18.9	46.5	67.1	75.7
137.5°	1.7	17.2	43.0	63.7	72.3
140°	1.7	15.5	39.6	60.2	67.1
142.5°	1.7	15.5	36.1	55.1	61.9
145°	1.7	13.8	32.7	51.6	56.8
147.5°	1.7	12.0	29.3	46.5	51.6
150°	1.7	12.0	25.8	41.3	46.5
152.5°	1.7	10.3	22.4	37.9	43.0
155°	1.7	8.6	20.6	32.7	37.9
157.5°	1.7	8.6	17.2	27.5	32.7
160°	1.7	6.9	15.5	22.4	27.5
162.5°	1.7	6.9	13.8	18.9	24.1
165°	1.7	5.2	10.3	15.5	18.9
167.5°	1.7	5.2	8.6	12.0	15.5
170°	1.7	3.4	6.9	8.6	12.0
172.5°	1.7	3.4	5.2	5.2	5.2
175°	1.7	1.7	3.4	3.4	1.7
177.5°	1.7	1.7	1.7	1.7	1.7
180°	1.7	1.7	1.7	1.7	1.7

(END OF REPORT)