

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: P566339

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566339
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2205-663-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-37SL-LC-UNV-L935-CD
Description: 4FT 3700 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

Summary

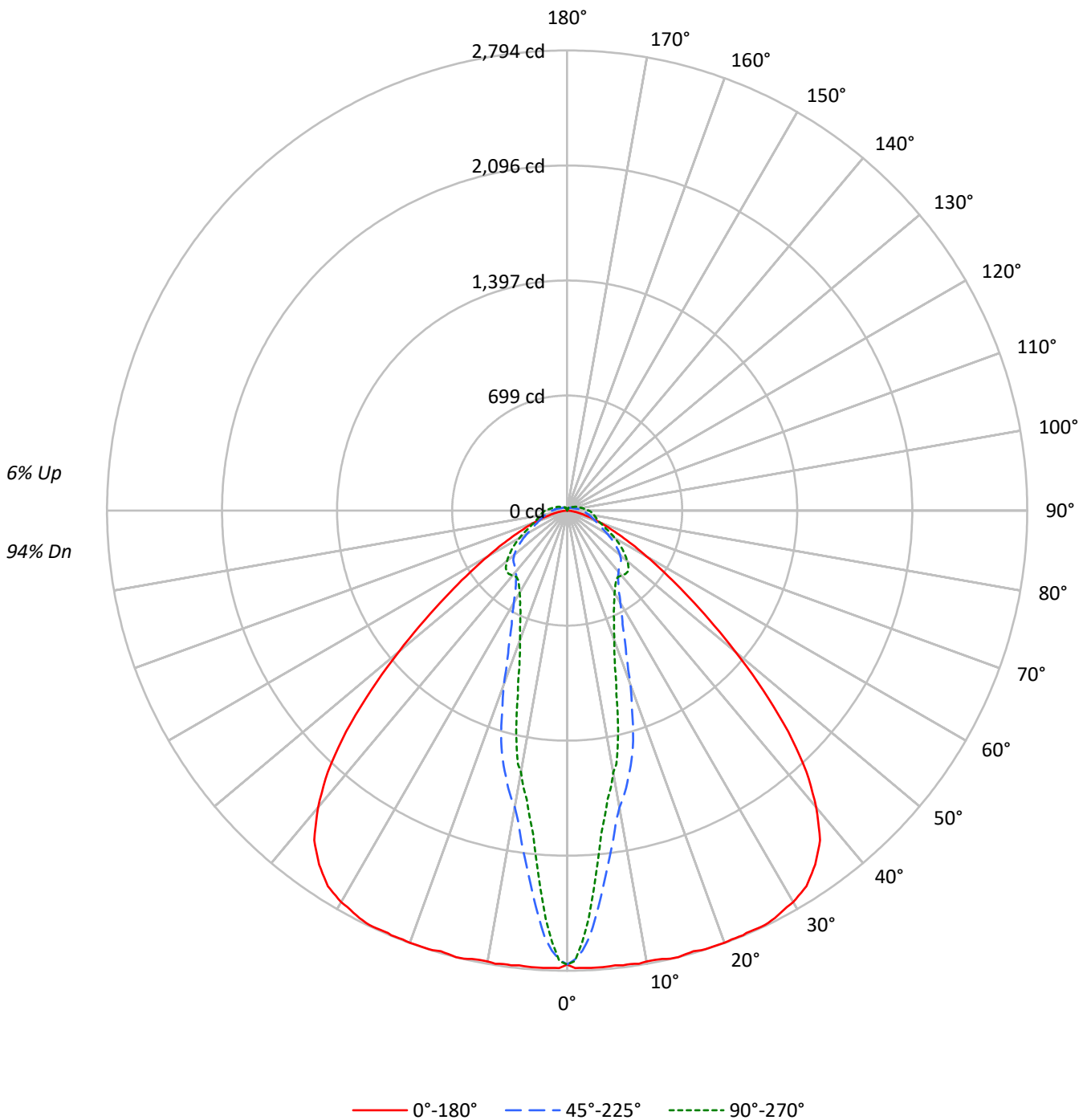
Lumens per Lamp: N/A
Luminaire Lumens: 3397.0 lumens
Efficiency: N/A
Efficacy: 141.5 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Direct

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	50	30	10	50	30	10	0		
RCR																										
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	96	96	96	94					94			
1	108	103	99	96	105	101	97	94	95	92	90	90	88	86	86	84	82	80					80			
2	99	92	86	80	96	89	84	79	85	80	76	81	77	74	77	74	71	69					69			
3	92	82	75	69	89	80	73	68	76	71	66	73	68	64	70	66	62	60					60			
4	85	74	66	60	82	72	65	59	69	63	58	66	61	56	63	59	55	53					53			
5	79	67	59	53	76	66	58	52	63	56	51	60	55	50	58	53	49	47					47			
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	53	48	44	42					42			
7	69	56	48	43	67	55	48	42	53	46	42	51	45	41	50	44	40	38					38			
8	64	52	44	39	63	51	44	39	49	43	38	48	42	37	46	41	37	35					35			
9	61	48	41	36	59	47	40	35	46	39	35	44	39	34	43	38	34	32					32			
10	57	45	38	33	56	44	37	33	43	37	32	42	36	32	40	35	31	30					30			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	29663	29663	29663
5°	29931	24364	21809
10°	30166	18393	15783
15°	30715	15034	10929
20°	31508	10879	7719
25°	32492	7794	6072
30°	33321	6227	5171
35°	33518	5267	4631
40°	31955	4788	4643
45°	27731	4626	4770
50°	21274	4400	4451
55°	15417	3848	3949
60°	11186	3210	3339
65°	8141	2715	2737
70°	5998	2399	2361
75°	4261	2221	2200
80°	2793	2079	2167
85°	1313	1982	2171



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	216.7	6.4
10°-20°	470.6	13.9
20°-30°	538.7	15.9
30°-40°	539.7	15.9
40°-50°	510.9	15.0
50°-60°	391.8	11.5
60°-70°	252.5	7.4
70°-80°	161.0	4.7
80°-90°	106.9	3.1
90°-100°	71.9	2.1
100°-110°	47.4	1.4
110°-120°	32.9	1.0
120°-130°	23.0	0.7
130°-140°	16.0	0.5
140°-150°	9.8	0.3
150°-160°	4.9	0.1
160°-170°	1.9	0.1
170°-180°	0.4	0.0
0°-30°	1226.0	36.1
0°-40°	1765.7	52.0
0°-60°	2668.3	78.6
0°-90°	3188.9	93.9
90°-120°	152.2	4.5
90°-150°	200.9	5.9
90°-180°	208.0	6.1
0°-180°	3397.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2756	2756	2756	2756	2756	
5°	2780	2627	2354	2195	2136	265
15°	2787	2007	1530	1257	1156	791
25°	2789	1421	810	703	670	1286
35°	2625	790	541	524	517	1629
45°	1898	500	456	505	522	1443
55°	870	357	352	395	411	800
65°	348	225	221	252	261	358
75°	118	122	153	176	184	130
85°	16	56	108	141	152	22
90°	0	38	90	125	131	1
95°	0	28	75	103	108	0
105°	0	21	49	70	75	1
115°	2	17	37	50	54	2
125°	2	16	31	37	38	2
135°	2	12	24	30	31	1
145°	2	9	17	23	24	1
155°	2	5	10	16	17	1
165°	4	4	7	9	10	1
175°	4	4	4	4	2	0
180°	4	4	4	4	4	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2755.8	2755.8	2755.8	2755.8	2755.8
1°	2778.4	2762.8	2726.2	2736.7	2734.9
2°	2778.4	2745.4	2674.0	2653.1	2621.8
3°	2780.2	2715.8	2593.9	2526.0	2482.5
4°	2780.2	2672.2	2475.5	2362.4	2306.7
5°	2780.2	2627.0	2353.7	2195.2	2136.1
6°	2776.7	2573.0	2230.1	2062.9	1974.2
7°	2781.9	2513.8	2118.6	1939.3	1869.7
8°	2780.2	2444.2	2015.9	1845.3	1768.7
9°	2785.4	2376.3	1904.5	1756.5	1699.1
10°	2780.2	2313.6	1831.4	1673.0	1613.8
11°	2780.2	2252.7	1779.2	1619.0	1568.5
12°	2783.7	2183.1	1721.7	1542.4	1472.8
13°	2792.4	2111.7	1655.6	1458.9	1377.0
14°	2794.1	2057.7	1594.6	1352.7	1267.4
15°	2787.1	2007.2	1530.2	1256.9	1155.9
16°	2783.7	1955.0	1453.6	1166.4	1075.9
17°	2790.6	1894.1	1366.6	1074.1	990.6
18°	2792.4	1838.4	1274.3	1004.5	931.4
19°	2792.4	1794.8	1199.5	940.1	877.4
20°	2792.4	1753.1	1122.9	891.3	837.4
21°	2788.9	1700.8	1035.8	840.8	795.6
22.5°	2790.6	1603.3	936.6	781.7	745.1
23°	2785.4	1579.0	912.2	766.0	727.7
24°	2787.1	1509.3	860.0	734.7	698.1
25°	2788.9	1420.6	809.5	703.3	670.2
26°	2785.4	1349.2	767.7	673.7	651.1
27°	2776.7	1291.7	738.1	649.3	628.5
28°	2764.5	1215.1	706.8	628.5	609.3
29°	2752.3	1128.1	675.5	605.8	591.9
30°	2745.4	1058.5	645.9	588.4	576.2
32.5°	2703.6	920.9	584.9	553.6	543.2
35°	2625.2	790.4	541.4	524.0	517.0
37.5°	2522.5	689.4	508.3	504.9	506.6
40°	2353.7	609.3	484.0	499.6	515.3
42.5°	2151.7	546.6	466.6	504.9	522.3
45°	1897.6	499.6	456.1	504.9	522.3
47.5°	1615.5	461.3	443.9	487.4	504.9
50°	1333.5	426.5	419.6	461.3	477.0
52.5°	1084.6	393.4	388.2	428.3	443.9
55°	870.4	356.9	351.7	395.2	410.8
57.5°	698.1	322.1	316.8	356.9	372.5
60°	557.1	287.2	278.5	318.6	334.2
62.5°	443.9	254.2	248.9	283.8	297.7
65°	348.2	224.6	221.1	252.4	261.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	275.1	196.7	198.5	224.6	235.0
70°	212.4	170.6	181.1	205.4	212.4
72.5°	160.2	144.5	167.1	188.0	196.7
75°	118.4	121.9	153.2	175.8	184.5
77.5°	81.8	101.0	141.0	165.4	174.1
80°	55.7	81.8	128.8	156.7	167.1
82.5°	33.1	67.9	118.4	148.0	160.2
85°	15.7	55.7	107.9	141.0	151.5
87.5°	5.2	45.3	97.5	134.0	142.8
90°	0.0	38.3	90.5	125.3	130.6
92.5°	0.0	33.1	81.8	114.9	118.4
95°	0.0	27.9	74.9	102.7	107.9
97.5°	0.0	26.1	69.6	92.3	99.2
100°	0.0	24.4	62.7	83.6	90.5
102.5°	0.0	20.9	55.7	74.9	81.8
105°	0.0	20.9	48.7	69.6	74.9
107.5°	1.7	19.1	45.3	62.7	69.6
110°	1.7	19.1	40.0	59.2	64.4
112.5°	1.7	19.1	38.3	54.0	60.9
115°	1.7	17.4	36.6	50.5	54.0
117.5°	1.7	17.4	34.8	45.3	48.7
120°	1.7	15.7	33.1	41.8	43.5
122.5°	1.7	15.7	31.3	38.3	40.0
125°	1.7	15.7	31.3	36.6	38.3
127.5°	1.7	13.9	29.6	34.8	34.8
130°	1.7	13.9	27.9	33.1	33.1
132.5°	1.7	12.2	26.1	31.3	33.1
135°	1.7	12.2	24.4	29.6	31.3
137.5°	1.7	10.4	22.6	27.9	29.6
140°	1.7	10.4	20.9	26.1	27.9
142.5°	1.7	8.7	19.1	24.4	26.1
145°	1.7	8.7	17.4	22.6	24.4
147.5°	1.7	8.7	15.7	20.9	22.6
150°	1.7	7.0	13.9	19.1	20.9
152.5°	1.7	7.0	12.2	17.4	19.1
155°	1.7	5.2	10.4	15.7	17.4
157.5°	1.7	5.2	10.4	13.9	15.7
160°	3.5	5.2	8.7	12.2	13.9
162.5°	1.7	3.5	8.7	10.4	12.2
165°	3.5	3.5	7.0	8.7	10.4
167.5°	3.5	3.5	5.2	7.0	8.7
170°	3.5	3.5	5.2	5.2	7.0
172.5°	3.5	3.5	3.5	5.2	3.5
175°	3.5	3.5	3.5	3.5	1.7
177.5°	3.5	3.5	3.5	3.5	1.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	3.5	3.5	3.5	3.5	3.5

(END OF REPORT)