

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: P566343

Luminaire Tested: **4SNX-37SL-LN-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566343
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-6)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-37SL-LN-UNV-L835-CD
Description: 4FT 3700 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

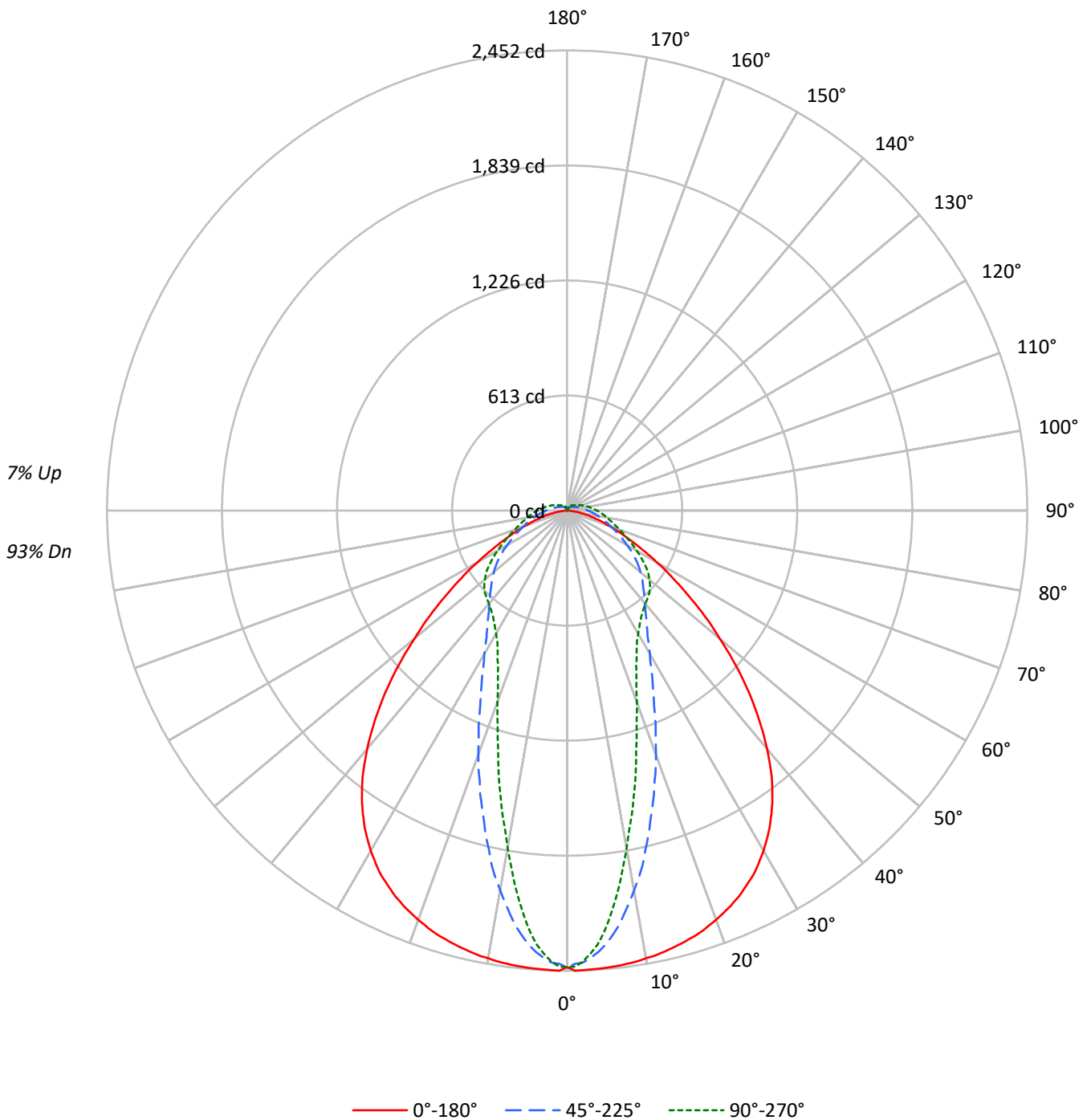
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3877.0 lumens
Efficiency: N/A
Efficacy: 161.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78
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	0	
RCR																						
0	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93				
1	107	103	99	95	104	100	96	93	94	91	88	89	87	85	85	83	81	78				
2	99	91	84	79	95	88	82	77	84	79	75	79	75	72	76	72	69	67				
3	91	81	73	67	88	79	72	66	75	69	64	71	66	62	68	64	60	58				
4	84	73	64	58	81	71	63	57	68	61	56	64	59	54	62	57	53	51				
5	78	66	57	51	75	64	56	51	61	55	49	59	53	48	56	51	47	45				
6	72	60	51	45	70	59	51	45	56	49	44	54	48	43	52	46	42	40				
7	67	55	47	41	65	54	46	41	52	45	40	50	44	39	48	42	38	36				
8	63	51	43	37	61	50	42	37	48	41	36	46	40	36	44	39	35	33				
9	59	47	39	34	58	46	39	34	44	38	33	43	37	33	41	36	32	30				
10	56	44	36	31	54	43	36	31	41	35	31	40	34	30	39	34	30	28				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	26180	26180	26180
5°	26315	24062	23027
10°	26279	20630	17866
15°	26266	16829	13390
20°	26182	13406	10021
25°	25944	10505	7953
30°	25401	8502	6784
35°	24334	7195	6171
40°	22510	6352	5841
45°	20013	5812	5660
50°	16954	5348	5347
55°	13927	4845	4884
60°	11138	4263	4283
65°	8646	3743	3728
70°	6712	3310	3298
75°	5194	2974	3005
80°	3665	2721	2793
85°	2041	2538	2678



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	215.4	5.6
10°-20°	504.9	13.0
20°-30°	599.3	15.5
30°-40°	602.9	15.6
40°-50°	560.5	14.5
50°-60°	461.5	11.9
60°-70°	325.2	8.4
70°-80°	212.5	5.5
80°-90°	135.6	3.5
90°-100°	88.9	2.3
100°-110°	60.4	1.6
110°-120°	41.4	1.1
120°-130°	28.6	0.7
130°-140°	19.3	0.5
140°-150°	11.9	0.3
150°-160°	6.2	0.2
160°-170°	2.2	0.1
170°-180°	0.4	0.0
0°-30°	1319.5	34.0
0°-40°	1922.5	49.6
0°-60°	2944.4	75.9
0°-90°	3617.7	93.3
90°-120°	190.7	4.9
90°-150°	250.5	6.5
90°-180°	259.0	6.7
0°-180°	3877.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2432	2432	2432	2432	2432	
5°	2444	2412	2324	2280	2255	233
15°	2383	2129	1713	1498	1416	673
25°	2227	1646	1091	916	878	1025
35°	1906	1114	740	693	689	1185
45°	1370	734	573	604	620	1051
55°	786	482	443	492	508	710
65°	370	291	305	343	356	375
75°	144	150	205	242	252	156
85°	24	69	138	179	187	31
90°	0	47	112	152	158	1
95°	0	34	94	128	134	0
105°	0	24	63	89	98	0
115°	2	20	45	65	69	2
125°	2	16	37	47	51	2
135°	2	14	28	37	39	2
145°	2	10	20	28	30	1
155°	2	8	14	20	22	1
165°	2	4	8	10	12	1
175°	4	4	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°	2432.2	2432.2	2432.2	2432.2	2432.2
1°	2452.5	2442.3	2415.9	2434.2	2430.1
2°	2450.4	2440.3	2409.8	2417.9	2403.7
3°	2448.4	2434.2	2387.5	2385.4	2365.1
4°	2446.4	2424.0	2359.0	2334.6	2318.4
5°	2444.3	2411.8	2324.5	2279.8	2255.4
6°	2442.3	2397.6	2279.8	2212.7	2178.2
7°	2438.3	2375.3	2233.0	2141.6	2096.9
8°	2434.2	2354.9	2174.1	2064.4	2009.5
9°	2430.1	2328.5	2115.2	1981.1	1916.1
10°	2422.0	2302.1	2054.2	1895.7	1826.7
11°	2417.9	2271.6	1995.3	1814.5	1733.2
12°	2409.8	2239.1	1932.3	1729.1	1658.0
13°	2401.7	2204.6	1855.1	1656.0	1570.6
14°	2393.6	2168.0	1788.1	1574.7	1495.5
15°	2383.4	2129.4	1712.9	1497.5	1416.2
16°	2373.2	2084.7	1645.8	1418.3	1332.9
17°	2363.1	2042.0	1582.8	1345.1	1267.9
18°	2350.9	1999.4	1509.7	1274.0	1198.8
19°	2334.6	1950.6	1450.8	1209.0	1139.9
20°	2320.4	1905.9	1383.7	1148.0	1087.1
21°	2304.1	1851.0	1316.7	1091.1	1030.2
22.5°	2279.8	1773.8	1231.3	1020.0	963.1
23°	2267.6	1751.5	1196.8	993.6	944.8
24°	2251.3	1692.6	1139.9	953.0	904.2
25°	2226.9	1645.8	1091.1	916.4	877.8
26°	2204.6	1588.9	1042.4	883.9	845.3
27°	2182.2	1534.1	999.7	849.3	816.8
28°	2153.8	1477.2	953.0	820.9	792.4
29°	2123.3	1424.3	914.3	796.5	774.1
30°	2092.8	1365.4	881.8	774.1	755.9
32.5°	2007.5	1235.4	798.5	731.5	719.3
35°	1905.9	1113.5	739.6	692.9	688.8
37.5°	1792.1	1001.7	686.8	662.4	666.5
40°	1658.0	900.1	642.1	640.0	648.2
42.5°	1515.8	812.8	607.5	621.8	633.9
45°	1369.5	733.5	573.0	603.5	619.7
47.5°	1217.1	664.4	542.5	581.1	599.4
50°	1062.7	597.4	510.0	554.7	573.0
52.5°	924.5	538.4	477.5	524.2	544.5
55°	786.3	481.6	442.9	491.7	508.0
57.5°	666.5	428.7	406.4	455.1	467.3
60°	554.7	377.9	369.8	414.5	428.7
62.5°	453.1	333.2	335.3	377.9	392.2
65°	369.8	290.6	304.8	343.4	355.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	300.7	249.9	274.3	314.9	325.1
70°	237.7	213.3	249.9	286.5	296.7
72.5°	189.0	180.8	225.5	264.1	272.3
75°	144.3	150.4	205.2	241.8	252.0
77.5°	103.6	126.0	184.9	223.5	231.6
80°	73.1	103.6	168.6	207.3	215.4
82.5°	46.7	85.3	152.4	193.0	201.2
85°	24.4	69.1	138.2	178.8	186.9
87.5°	10.2	56.9	123.9	164.6	172.7
90°	0.0	46.7	111.8	152.4	158.5
92.5°	0.0	40.6	101.6	140.2	146.3
95°	0.0	34.5	93.5	128.0	134.1
97.5°	0.0	32.5	83.3	117.8	123.9
100°	0.0	28.4	75.2	107.7	115.8
102.5°	0.0	26.4	69.1	97.5	105.7
105°	0.0	24.4	63.0	89.4	97.5
107.5°	0.0	22.4	58.9	83.3	89.4
110°	0.0	22.4	52.8	77.2	83.3
112.5°	2.0	20.3	48.8	69.1	75.2
115°	2.0	20.3	44.7	65.0	69.1
117.5°	2.0	20.3	42.7	58.9	63.0
120°	2.0	18.3	40.6	54.9	58.9
122.5°	2.0	18.3	38.6	50.8	52.8
125°	2.0	16.3	36.6	46.7	50.8
127.5°	2.0	16.3	34.5	44.7	46.7
130°	2.0	16.3	32.5	40.6	44.7
132.5°	2.0	14.2	30.5	38.6	40.6
135°	2.0	14.2	28.4	36.6	38.6
137.5°	2.0	12.2	26.4	34.5	36.6
140°	2.0	12.2	24.4	32.5	34.5
142.5°	2.0	10.2	22.4	30.5	32.5
145°	2.0	10.2	20.3	28.4	30.5
147.5°	2.0	10.2	18.3	26.4	28.4
150°	2.0	8.1	16.3	24.4	26.4
152.5°	2.0	8.1	14.2	22.4	24.4
155°	2.0	8.1	14.2	20.3	22.4
157.5°	2.0	6.1	12.2	16.3	20.3
160°	2.0	6.1	10.2	14.2	18.3
162.5°	2.0	6.1	10.2	12.2	14.2
165°	2.0	4.1	8.1	10.2	12.2
167.5°	2.0	4.1	6.1	8.1	10.2
170°	2.0	4.1	6.1	6.1	8.1
172.5°	2.0	4.1	4.1	4.1	4.1
175°	4.1	4.1	4.1	4.1	2.0
177.5°	4.1	4.1	4.1	2.0	2.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	2.0	2.0	2.0	2.0	2.0

(END OF REPORT)