

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: P566349

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566349
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-L950-CD
Description: 4FT 3700 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

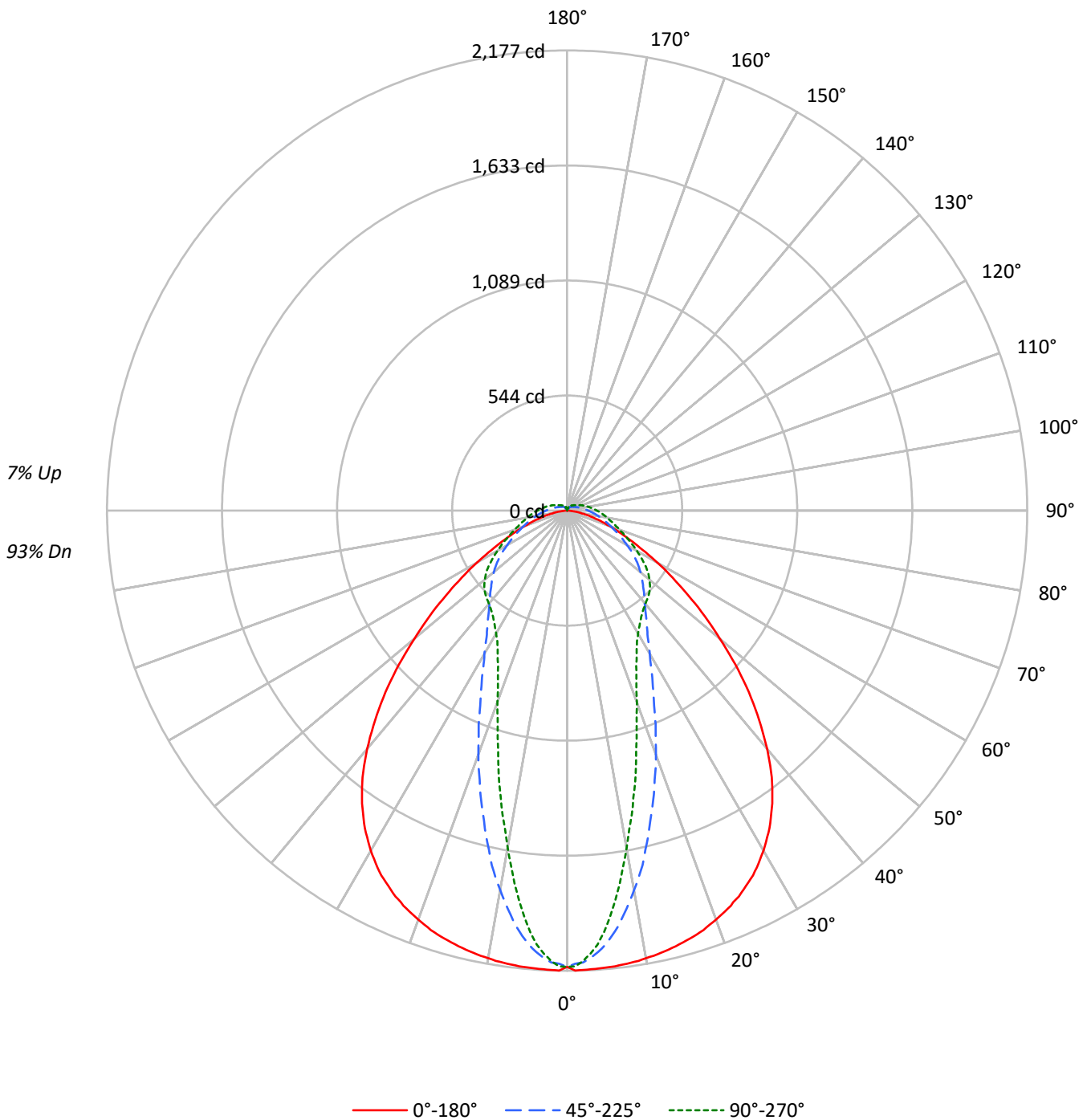
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3441.0 lumens
Efficiency: N/A
Efficacy: 143.4 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	67	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°	23235	23235	23235
5°	23356	21356	20436
10°	23324	18310	15856
15°	23313	14936	11885
20°	23239	11898	8893
25°	23027	9324	7059
30°	22545	7546	6021
35°	21598	6386	5476
40°	19979	5638	5184
45°	17763	5158	5023
50°	15047	4746	4746
55°	12361	4301	4334
60°	9885	3783	3802
65°	7673	3322	3308
70°	5958	2938	2926
75°	4607	2639	2666
80°	3254	2416	2479
85°	1807	2251	2377



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.2	5.6
10°-20°	448.1	13.0
20°-30°	531.9	15.5
30°-40°	535.1	15.6
40°-50°	497.4	14.5
50°-60°	409.6	11.9
60°-70°	288.6	8.4
70°-80°	188.6	5.5
80°-90°	120.4	3.5
90°-100°	79.0	2.3
100°-110°	53.6	1.6
110°-120°	36.7	1.1
120°-130°	25.4	0.7
130°-140°	17.1	0.5
140°-150°	10.5	0.3
150°-160°	5.5	0.2
160°-170°	2.0	0.1
170°-180°	0.3	0.0
0°-30°	1171.1	34.0
0°-40°	1706.3	49.6
0°-60°	2613.3	75.9
0°-90°	3210.9	93.3
90°-120°	169.3	4.9
90°-150°	222.3	6.5
90°-180°	230.0	6.7
0°-180°	3441.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2159	2159	2159	2159	2159	
5°	2170	2141	2063	2023	2002	207
15°	2115	1890	1520	1329	1257	597
25°	1976	1461	968	813	779	910
35°	1692	988	656	615	611	1052
45°	1216	651	509	536	550	933
55°	698	427	393	436	451	630
65°	328	258	270	305	316	333
75°	128	133	182	215	224	138
85°	22	61	123	159	166	27
90°	0	42	99	135	141	1
95°	0	31	83	114	119	0
105°	0	22	56	79	87	0
115°	2	18	40	58	61	2
125°	2	14	32	42	45	2
135°	2	13	25	32	34	1
145°	2	9	18	25	27	1
155°	2	7	13	18	20	1
165°	2	4	7	9	11	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°	2158.6	2158.6	2158.6	2158.6	2158.6
1°	2176.7	2167.7	2144.2	2160.4	2156.8
2°	2174.9	2165.9	2138.8	2146.0	2133.4
3°	2173.1	2160.4	2119.0	2117.2	2099.1
4°	2171.3	2151.4	2093.7	2072.1	2057.7
5°	2169.5	2140.6	2063.1	2023.4	2001.7
6°	2167.7	2128.0	2023.4	1963.9	1933.2
7°	2164.1	2108.1	1981.9	1900.8	1861.1
8°	2160.4	2090.1	1929.6	1832.2	1783.5
9°	2156.8	2066.7	1877.3	1758.3	1700.6
10°	2149.6	2043.2	1823.2	1682.6	1621.2
11°	2146.0	2016.2	1770.9	1610.4	1538.3
12°	2138.8	1987.3	1715.0	1534.7	1471.6
13°	2131.6	1956.7	1646.5	1469.8	1394.0
14°	2124.4	1924.2	1587.0	1397.6	1327.3
15°	2115.4	1889.9	1520.2	1329.1	1257.0
16°	2106.3	1850.3	1460.7	1258.8	1183.0
17°	2097.3	1812.4	1404.8	1193.8	1125.3
18°	2086.5	1774.5	1339.9	1130.7	1064.0
19°	2072.1	1731.2	1287.6	1073.0	1011.7
20°	2059.5	1691.6	1228.1	1018.9	964.8
21°	2045.0	1642.9	1168.6	968.4	914.3
22.5°	2023.4	1574.3	1092.8	905.3	854.8
23°	2012.6	1554.5	1062.2	881.9	838.6
24°	1998.1	1502.2	1011.7	845.8	802.5
25°	1976.5	1460.7	968.4	813.3	779.1
26°	1956.7	1410.2	925.1	784.5	750.2
27°	1936.8	1361.5	887.3	753.8	725.0
28°	1911.6	1311.1	845.8	728.6	703.3
29°	1884.5	1264.2	811.5	706.9	687.1
30°	1857.5	1211.9	782.7	687.1	670.9
32.5°	1781.7	1096.5	708.7	649.2	638.4
35°	1691.6	988.3	656.4	615.0	611.3
37.5°	1590.6	889.1	609.5	587.9	591.5
40°	1471.6	798.9	569.9	568.1	575.3
42.5°	1345.3	721.4	539.2	551.8	562.7
45°	1215.5	651.0	508.6	535.6	550.0
47.5°	1080.2	589.7	481.5	515.8	532.0
50°	943.2	530.2	452.6	492.3	508.6
52.5°	820.5	477.9	423.8	465.3	483.3
55°	697.9	427.4	393.1	436.4	450.8
57.5°	591.5	380.5	360.7	404.0	414.8
60°	492.3	335.4	328.2	367.9	380.5
62.5°	402.2	295.8	297.6	335.4	348.1
65°	328.2	257.9	270.5	304.8	315.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	266.9	221.8	243.5	279.5	288.5
70°	211.0	189.4	221.8	254.3	263.3
72.5°	167.7	160.5	200.2	234.4	241.7
75°	128.0	133.4	182.1	214.6	223.6
77.5°	92.0	111.8	164.1	198.4	205.6
80°	64.9	92.0	149.7	183.9	191.2
82.5°	41.5	75.7	135.3	171.3	178.5
85°	21.6	61.3	122.6	158.7	165.9
87.5°	9.0	50.5	110.0	146.1	153.3
90°	0.0	41.5	99.2	135.3	140.7
92.5°	0.0	36.1	90.2	124.4	129.8
95°	0.0	30.7	83.0	113.6	119.0
97.5°	0.0	28.9	73.9	104.6	110.0
100°	0.0	25.2	66.7	95.6	102.8
102.5°	0.0	23.4	61.3	86.6	93.8
105°	0.0	21.6	55.9	79.3	86.6
107.5°	0.0	19.8	52.3	73.9	79.3
110°	0.0	19.8	46.9	68.5	73.9
112.5°	1.8	18.0	43.3	61.3	66.7
115°	1.8	18.0	39.7	57.7	61.3
117.5°	1.8	18.0	37.9	52.3	55.9
120°	1.8	16.2	36.1	48.7	52.3
122.5°	1.8	16.2	34.3	45.1	46.9
125°	1.8	14.4	32.5	41.5	45.1
127.5°	1.8	14.4	30.7	39.7	41.5
130°	1.8	14.4	28.9	36.1	39.7
132.5°	1.8	12.6	27.1	34.3	36.1
135°	1.8	12.6	25.2	32.5	34.3
137.5°	1.8	10.8	23.4	30.7	32.5
140°	1.8	10.8	21.6	28.9	30.7
142.5°	1.8	9.0	19.8	27.1	28.9
145°	1.8	9.0	18.0	25.2	27.1
147.5°	1.8	9.0	16.2	23.4	25.2
150°	1.8	7.2	14.4	21.6	23.4
152.5°	1.8	7.2	12.6	19.8	21.6
155°	1.8	7.2	12.6	18.0	19.8
157.5°	1.8	5.4	10.8	14.4	18.0
160°	1.8	5.4	9.0	12.6	16.2
162.5°	1.8	5.4	9.0	10.8	12.6
165°	1.8	3.6	7.2	9.0	10.8
167.5°	1.8	3.6	5.4	7.2	9.0
170°	1.8	3.6	5.4	5.4	7.2
172.5°	1.8	3.6	3.6	3.6	3.6
175°	3.6	3.6	3.6	3.6	1.8
177.5°	3.6	3.6	3.6	1.8	1.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	1.8	1.8	1.8	1.8	1.8

(END OF REPORT)