

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: P566348

Luminaire Tested: **4SNX-37SL-LN-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566348
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-L940-CD
Description: 4FT 3700 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

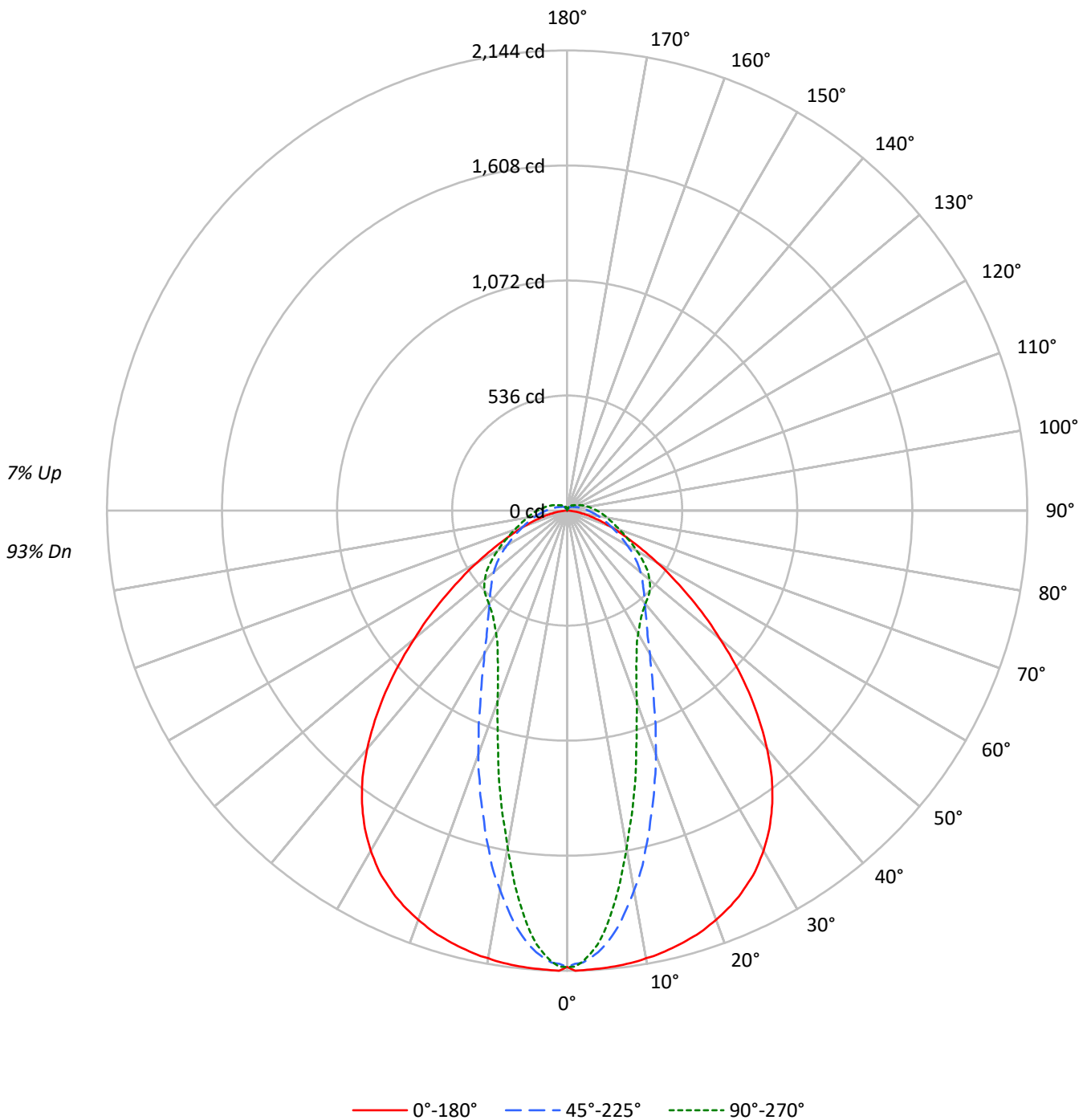
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3390.0 lumens
Efficiency: N/A
Efficacy: 141.2 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 (A_{in}): 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

TEST NUMBER: P566348
CATALOG NUMBER: 4SNX-37SL-LN-UNV-L940-CD

Luminous Intensity Polar Plot





TEST NUMBER: P566348

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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°	22891	22891	22891
5°	23010	21039	20134
10°	22979	18039	15621
15°	22967	14715	11708
20°	22893	11722	8762
25°	22685	9186	6954
30°	22210	7434	5931
35°	21278	6291	5396
40°	19682	5554	5107
45°	17500	5081	4949
50°	14824	4676	4675
55°	12179	4237	4270
60°	9738	3728	3746
65°	7561	3273	3259
70°	5871	2894	2883
75°	4539	2600	2627
80°	3209	2381	2441
85°	1782	2218	2342



TEST NUMBER: P566348

CATALOG NUMBER: 4SNX-37SL-LN-UNV-L940-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	188.3	5.6
10°-20°	441.4	13.0
20°-30°	524.0	15.5
30°-40°	527.2	15.6
40°-50°	490.1	14.5
50°-60°	403.5	11.9
60°-70°	284.3	8.4
70°-80°	185.8	5.5
80°-90°	118.6	3.5
90°-100°	77.8	2.3
100°-110°	52.8	1.6
110°-120°	36.2	1.1
120°-130°	25.0	0.7
130°-140°	16.8	0.5
140°-150°	10.4	0.3
150°-160°	5.4	0.2
160°-170°	2.0	0.1
170°-180°	0.3	0.0
0°-30°	1153.8	34.0
0°-40°	1681.0	49.6
0°-60°	2574.6	75.9
0°-90°	3163.3	93.3
90°-120°	166.8	4.9
90°-150°	219.0	6.5
90°-180°	227.0	6.7
0°-180°	3390.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2127	2127	2127	2127	2127	
5°	2137	2109	2032	1993	1972	203
15°	2084	1862	1498	1309	1238	589
25°	1947	1439	954	801	768	896
35°	1666	974	647	606	602	1036
45°	1198	641	501	528	542	919
55°	688	421	387	430	444	621
65°	323	254	266	300	311	328
75°	126	132	179	211	220	136
85°	21	60	121	156	164	27
90°	0	41	98	133	139	1
95°	0	30	82	112	117	0
105°	0	21	55	78	85	0
115°	2	18	39	57	60	2
125°	2	14	32	41	44	2
135°	2	12	25	32	34	1
145°	2	9	18	25	27	1
155°	2	7	12	18	20	1
165°	2	4	7	9	11	1
175°	4	4	4	4	2	0
180°	2	2	2	2	2	



TEST NUMBER: P566348

CATALOG NUMBER: 4SNX-37SL-LN-UNV-L940-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2126.6	2126.6	2126.6	2126.6	2126.6
1°	2144.4	2135.5	2112.4	2128.4	2124.9
2°	2142.6	2133.8	2107.1	2114.2	2101.8
3°	2140.9	2128.4	2087.6	2085.8	2068.0
4°	2139.1	2119.5	2062.7	2041.4	2027.2
5°	2137.3	2108.9	2032.5	1993.4	1972.1
6°	2135.5	2096.4	1993.4	1934.8	1904.6
7°	2132.0	2076.9	1952.5	1872.6	1833.5
8°	2128.4	2059.1	1901.0	1805.1	1757.1
9°	2124.9	2036.0	1849.5	1732.2	1675.4
10°	2117.8	2012.9	1796.2	1657.6	1597.2
11°	2114.2	1986.3	1744.7	1586.5	1515.5
12°	2107.1	1957.9	1689.6	1511.9	1449.7
13°	2100.0	1927.7	1622.1	1448.0	1373.3
14°	2092.9	1895.7	1563.5	1376.9	1307.6
15°	2084.0	1861.9	1497.7	1309.4	1238.3
16°	2075.1	1822.8	1439.1	1240.1	1165.5
17°	2066.2	1785.5	1384.0	1176.1	1108.6
18°	2055.6	1748.2	1320.1	1114.0	1048.2
19°	2041.4	1705.6	1268.5	1057.1	996.7
20°	2028.9	1666.5	1209.9	1003.8	950.5
21°	2014.7	1618.5	1151.3	954.1	900.8
22.5°	1993.4	1551.0	1076.6	891.9	842.1
23°	1982.7	1531.5	1046.4	868.8	826.1
24°	1968.5	1479.9	996.7	833.2	790.6
25°	1947.2	1439.1	954.1	801.3	767.5
26°	1927.7	1389.3	911.4	772.8	739.1
27°	1908.1	1341.4	874.1	742.6	714.2
28°	1883.2	1291.6	833.2	717.8	692.9
29°	1856.6	1245.4	799.5	696.4	676.9
30°	1829.9	1193.9	771.1	676.9	660.9
32.5°	1755.3	1080.2	698.2	639.6	628.9
35°	1666.5	973.6	646.7	605.8	602.3
37.5°	1567.0	875.9	600.5	579.2	582.7
40°	1449.7	787.1	561.4	559.6	566.8
42.5°	1325.4	710.7	531.2	543.7	554.3
45°	1197.5	641.4	501.0	527.7	541.9
47.5°	1064.2	581.0	474.4	508.1	524.1
50°	929.2	522.3	445.9	485.0	501.0
52.5°	808.4	470.8	417.5	458.4	476.1
55°	687.6	421.1	387.3	429.9	444.2
57.5°	582.7	374.9	355.3	398.0	408.6
60°	485.0	330.5	323.4	362.4	374.9
62.5°	396.2	291.4	293.1	330.5	342.9
65°	323.4	254.1	266.5	300.3	310.9



TEST NUMBER: P566348

CATALOG NUMBER: 4SNX-37SL-LN-UNV-L940-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	262.9	218.5	239.8	275.4	284.3
70°	207.9	186.5	218.5	250.5	259.4
72.5°	165.2	158.1	197.2	231.0	238.1
75°	126.1	131.5	179.4	211.4	220.3
77.5°	90.6	110.2	161.7	195.4	202.5
80°	64.0	90.6	147.5	181.2	188.3
82.5°	40.9	74.6	133.2	168.8	175.9
85°	21.3	60.4	120.8	156.3	163.5
87.5°	8.9	49.7	108.4	143.9	151.0
90°	0.0	40.9	97.7	133.2	138.6
92.5°	0.0	35.5	88.8	122.6	127.9
95°	0.0	30.2	81.7	111.9	117.3
97.5°	0.0	28.4	72.8	103.0	108.4
100°	0.0	24.9	65.7	94.2	101.3
102.5°	0.0	23.1	60.4	85.3	92.4
105°	0.0	21.3	55.1	78.2	85.3
107.5°	0.0	19.5	51.5	72.8	78.2
110°	0.0	19.5	46.2	67.5	72.8
112.5°	1.8	17.8	42.6	60.4	65.7
115°	1.8	17.8	39.1	56.9	60.4
117.5°	1.8	17.8	37.3	51.5	55.1
120°	1.8	16.0	35.5	48.0	51.5
122.5°	1.8	16.0	33.8	44.4	46.2
125°	1.8	14.2	32.0	40.9	44.4
127.5°	1.8	14.2	30.2	39.1	40.9
130°	1.8	14.2	28.4	35.5	39.1
132.5°	1.8	12.4	26.6	33.8	35.5
135°	1.8	12.4	24.9	32.0	33.8
137.5°	1.8	10.7	23.1	30.2	32.0
140°	1.8	10.7	21.3	28.4	30.2
142.5°	1.8	8.9	19.5	26.6	28.4
145°	1.8	8.9	17.8	24.9	26.6
147.5°	1.8	8.9	16.0	23.1	24.9
150°	1.8	7.1	14.2	21.3	23.1
152.5°	1.8	7.1	12.4	19.5	21.3
155°	1.8	7.1	12.4	17.8	19.5
157.5°	1.8	5.3	10.7	14.2	17.8
160°	1.8	5.3	8.9	12.4	16.0
162.5°	1.8	5.3	8.9	10.7	12.4
165°	1.8	3.6	7.1	8.9	10.7
167.5°	1.8	3.6	5.3	7.1	8.9
170°	1.8	3.6	5.3	5.3	7.1
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



TEST NUMBER: P566348

CATALOG NUMBER: 4SNX-37SL-LN-UNV-L940-CD

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)