

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: P566492

Luminaire Tested: **4SNX-48SL-LN-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566492
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-48SL-LN-UNV-L940-CD
Description: 4FT 4800 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

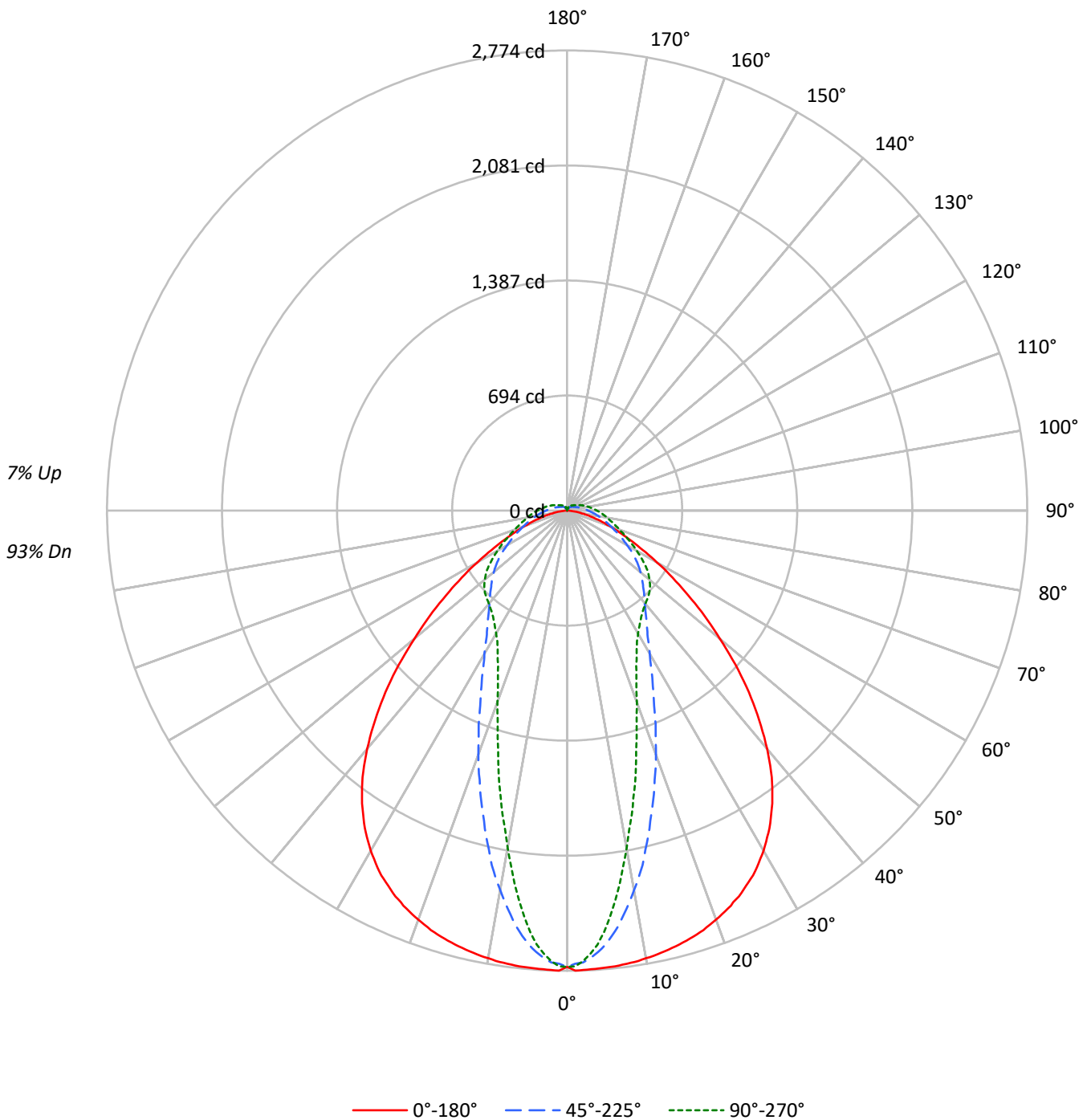
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4385.1 lumens
Efficiency: N/A
Efficacy: 136.6 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): 32.1
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

TEST NUMBER: P566492
CATALOG NUMBER: 4SNX-48SL-LN-UNV-L940-CD

Luminous Intensity Polar Plot





TEST NUMBER: P566492

CATALOG NUMBER: 4SNX-48SL-LN-UNV-L940-CD

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°	29609	29609	29609
5°	29763	27214	26044
10°	29723	23334	20206
15°	29708	19034	15144
20°	29613	15162	11333
25°	29344	11882	8995
30°	28730	9616	7672
35°	27522	8138	6979
40°	25460	7185	6606
45°	22635	6573	6402
50°	19174	6048	6048
55°	15753	5481	5523
60°	12597	4822	4845
65°	9780	4233	4216
70°	7593	3744	3729
75°	5874	3364	3398
80°	4146	3078	3158
85°	2309	2870	3029



TEST NUMBER: P566492

CATALOG NUMBER: 4SNX-48SL-LN-UNV-L940-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	243.6	5.6
10°-20°	571.0	13.0
20°-30°	677.8	15.5
30°-40°	681.9	15.6
40°-50°	633.9	14.5
50°-60°	522.0	11.9
60°-70°	367.8	8.4
70°-80°	240.3	5.5
80°-90°	153.4	3.5
90°-100°	100.6	2.3
100°-110°	68.3	1.6
110°-120°	46.8	1.1
120°-130°	32.4	0.7
130°-140°	21.8	0.5
140°-150°	13.4	0.3
150°-160°	7.0	0.2
160°-170°	2.5	0.1
170°-180°	0.4	0.0
0°-30°	1492.4	34.0
0°-40°	2174.4	49.6
0°-60°	3330.2	75.9
0°-90°	4091.7	93.3
90°-120°	215.7	4.9
90°-150°	283.4	6.5
90°-180°	293.0	6.7
0°-180°	4385.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2751	2751	2751	2751	2751	
5°	2765	2728	2629	2578	2551	263
15°	2696	2408	1937	1694	1602	761
25°	2519	1862	1234	1036	993	1159
35°	2156	1259	836	784	779	1341
45°	1549	830	648	682	701	1189
55°	889	545	501	556	574	803
65°	418	329	345	388	402	424
75°	163	170	232	274	285	176
85°	28	78	156	202	211	35
90°	0	53	126	172	179	2
95°	0	39	106	145	152	0
105°	0	28	71	101	110	0
115°	2	23	51	74	78	2
125°	2	18	41	53	58	2
135°	2	16	32	41	44	2
145°	2	12	23	32	34	1
155°	2	9	16	23	25	1
165°	2	5	9	12	14	1
175°	5	5	5	5	2	0
180°	2	2	2	2	2	



TEST NUMBER: P566492

CATALOG NUMBER: 4SNX-48SL-LN-UNV-L940-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2750.8	2750.8	2750.8	2750.8	2750.8
1°	2773.8	2762.3	2732.5	2753.1	2748.5
2°	2771.5	2760.0	2725.6	2734.8	2718.7
3°	2769.2	2753.1	2700.3	2698.0	2675.0
4°	2766.9	2741.6	2668.1	2640.5	2622.1
5°	2764.6	2727.9	2629.0	2578.5	2550.9
6°	2762.3	2711.8	2578.5	2502.6	2463.6
7°	2757.7	2686.5	2525.6	2422.2	2371.7
8°	2753.1	2663.5	2459.0	2334.9	2272.8
9°	2748.5	2633.6	2392.3	2240.7	2167.1
10°	2739.4	2603.8	2323.4	2144.1	2066.0
11°	2734.8	2569.3	2256.7	2052.2	1960.3
12°	2725.6	2532.5	2185.5	1955.7	1875.3
13°	2716.4	2493.5	2098.2	1873.0	1776.4
14°	2707.2	2452.1	2022.3	1781.0	1691.4
15°	2695.7	2408.4	1937.3	1693.7	1601.8
16°	2684.2	2357.9	1861.5	1604.1	1507.6
17°	2672.7	2309.6	1790.2	1521.4	1434.0
18°	2658.9	2261.3	1707.5	1440.9	1355.9
19°	2640.5	2206.2	1640.9	1367.4	1289.2
20°	2624.4	2155.6	1565.0	1298.4	1229.5
21°	2606.1	2093.6	1489.2	1234.1	1165.1
22.5°	2578.5	2006.3	1392.7	1153.7	1089.3
23°	2564.7	1981.0	1353.6	1123.8	1068.6
24°	2546.3	1914.3	1289.2	1077.8	1022.7
25°	2518.7	1861.5	1234.1	1036.4	992.8
26°	2493.5	1797.1	1178.9	999.7	956.0
27°	2468.2	1735.1	1130.7	960.6	923.8
28°	2436.0	1670.7	1077.8	928.4	896.3
29°	2401.5	1611.0	1034.2	900.9	875.6
30°	2367.1	1544.3	997.4	875.6	854.9
32.5°	2270.5	1397.3	903.2	827.3	813.5
35°	2155.6	1259.4	836.5	783.7	779.1
37.5°	2026.9	1133.0	776.8	749.2	753.8
40°	1875.3	1018.1	726.2	723.9	733.1
42.5°	1714.4	919.2	687.1	703.2	717.0
45°	1548.9	829.6	648.1	682.5	700.9
47.5°	1376.6	751.5	613.6	657.3	677.9
50°	1201.9	675.6	576.8	627.4	648.1
52.5°	1045.6	609.0	540.1	592.9	615.9
55°	889.4	544.7	501.0	556.1	574.5
57.5°	753.8	484.9	459.6	514.8	528.6
60°	627.4	427.4	418.3	468.8	484.9
62.5°	512.5	376.9	379.2	427.4	443.5
65°	418.3	328.6	344.7	388.4	402.2



TEST NUMBER: P566492

CATALOG NUMBER: 4SNX-48SL-LN-UNV-L940-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	340.1	282.7	310.2	356.2	367.7
70°	268.9	241.3	282.7	324.0	335.5
72.5°	213.7	204.5	255.1	298.8	307.9
75°	163.2	170.1	232.1	273.5	285.0
77.5°	117.2	142.5	209.1	252.8	262.0
80°	82.7	117.2	190.7	234.4	243.6
82.5°	52.9	96.5	172.4	218.3	227.5
85°	27.6	78.1	156.3	202.2	211.4
87.5°	11.5	64.3	140.2	186.1	195.3
90°	0.0	52.9	126.4	172.4	179.3
92.5°	0.0	46.0	114.9	158.6	165.5
95°	0.0	39.1	105.7	144.8	151.7
97.5°	0.0	36.8	94.2	133.3	140.2
100°	0.0	32.2	85.0	121.8	131.0
102.5°	0.0	29.9	78.1	110.3	119.5
105°	0.0	27.6	71.2	101.1	110.3
107.5°	0.0	25.3	66.6	94.2	101.1
110°	0.0	25.3	59.8	87.3	94.2
112.5°	2.3	23.0	55.2	78.1	85.0
115°	2.3	23.0	50.6	73.5	78.1
117.5°	2.3	23.0	48.3	66.6	71.2
120°	2.3	20.7	46.0	62.0	66.6
122.5°	2.3	20.7	43.7	57.5	59.8
125°	2.3	18.4	41.4	52.9	57.5
127.5°	2.3	18.4	39.1	50.6	52.9
130°	2.3	18.4	36.8	46.0	50.6
132.5°	2.3	16.1	34.5	43.7	46.0
135°	2.3	16.1	32.2	41.4	43.7
137.5°	2.3	13.8	29.9	39.1	41.4
140°	2.3	13.8	27.6	36.8	39.1
142.5°	2.3	11.5	25.3	34.5	36.8
145°	2.3	11.5	23.0	32.2	34.5
147.5°	2.3	11.5	20.7	29.9	32.2
150°	2.3	9.2	18.4	27.6	29.9
152.5°	2.3	9.2	16.1	25.3	27.6
155°	2.3	9.2	16.1	23.0	25.3
157.5°	2.3	6.9	13.8	18.4	23.0
160°	2.3	6.9	11.5	16.1	20.7
162.5°	2.3	6.9	11.5	13.8	16.1
165°	2.3	4.6	9.2	11.5	13.8
167.5°	2.3	4.6	6.9	9.2	11.5
170°	2.3	4.6	6.9	6.9	9.2
172.5°	2.3	4.6	4.6	4.6	4.6
175°	4.6	4.6	4.6	4.6	2.3
177.5°	4.6	4.6	4.6	2.3	2.3



TEST NUMBER: P566492

CATALOG NUMBER: 4SNX-48SL-LN-UNV-L940-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	2.3	2.3	2.3	2.3	2.3

(END OF REPORT)