

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: P566485

Luminaire Tested: **4SNX-48SL-LC-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566485
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-48SL-LC-UNV-L950-CD
Description: 4FT 4800 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

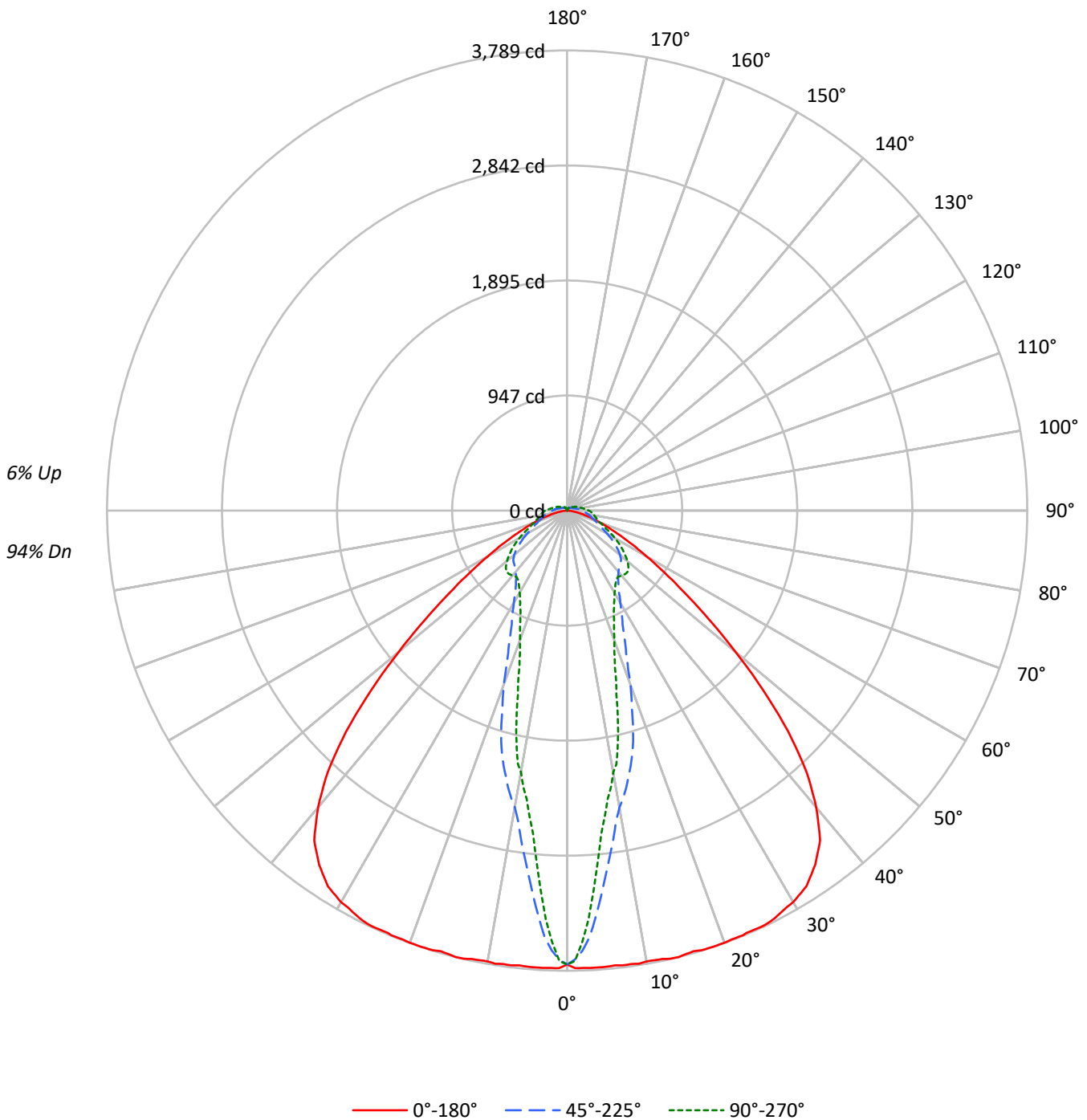
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4607.0 lumens
Efficiency: N/A
Efficacy: 143.5 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): 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: P566485
CATALOG NUMBER: 4SNX-48SL-LC-UNV-L950-CD

Luminous Intensity Polar Plot





TEST NUMBER: P566485

CATALOG NUMBER: 4SNX-48SL-LC-UNV-L950-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	0
RCR																		
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	96	96	96	94
1	108	103	99	96	105	101	97	94	95	92	90	90	88	86	86	84	82	80
2	99	92	86	80	96	89	84	79	85	80	76	81	77	74	77	74	71	69
3	92	82	75	69	89	80	73	68	76	71	66	73	68	64	70	66	62	60
4	85	74	66	60	82	72	65	59	69	63	58	66	61	56	63	59	55	53
5	79	67	59	53	76	66	58	52	63	56	51	60	55	50	58	53	49	47
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	53	48	44	42
7	69	56	48	43	67	55	48	42	53	46	42	51	45	41	50	44	40	38
8	64	52	44	39	63	51	44	39	49	43	38	48	42	37	46	41	37	35
9	61	48	41	36	59	47	40	35	46	39	35	44	39	34	43	38	34	32
10	57	45	38	33	56	44	37	33	43	37	32	42	36	32	40	35	31	30

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	40229	40229	40229
5°	40592	33042	29576
10°	40911	24944	21405
15°	41657	20390	14822
20°	42731	14754	10468
25°	44065	10571	8236
30°	45190	8445	7014
35°	45457	7144	6282
40°	43337	6494	6297
45°	37608	6274	6469
50°	28852	5967	6037
55°	20909	5217	5357
60°	15169	4355	4529
65°	11040	3681	3712
70°	8133	3252	3201
75°	5777	3012	2984
80°	3790	2820	2939
85°	1774	2689	2943



TEST NUMBER: P566485

CATALOG NUMBER: 4SNX-48SL-LC-UNV-L950-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	293.9	6.4
10°-20°	638.3	13.9
20°-30°	730.6	15.9
30°-40°	731.9	15.9
40°-50°	692.8	15.0
50°-60°	531.3	11.5
60°-70°	342.5	7.4
70°-80°	218.4	4.7
80°-90°	145.0	3.1
90°-100°	97.5	2.1
100°-110°	64.2	1.4
110°-120°	44.7	1.0
120°-130°	31.2	0.7
130°-140°	21.6	0.5
140°-150°	13.2	0.3
150°-160°	6.7	0.1
160°-170°	2.6	0.1
170°-180°	0.5	0.0
0°-30°	1662.8	36.1
0°-40°	2394.7	52.0
0°-60°	3618.8	78.5
0°-90°	4324.7	93.9
90°-120°	206.4	4.5
90°-150°	272.5	5.9
90°-180°	282.0	6.1
0°-180°	4607.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3737	3737	3737	3737	3737	
5°	3770	3563	3192	2977	2897	360
15°	3780	2722	2075	1705	1568	1072
25°	3782	1927	1098	954	909	1744
35°	3560	1072	734	711	701	2209
45°	2574	678	619	685	708	1957
55°	1180	484	477	536	557	1086
65°	472	305	300	342	354	486
75°	160	165	208	238	250	177
85°	21	76	146	191	205	29
90°	0	52	123	170	177	1
95°	0	38	102	139	146	0
105°	0	28	66	94	102	2
115°	2	24	50	68	73	2
125°	2	21	42	50	52	2
135°	2	16	33	40	42	2
145°	2	12	24	31	33	2
155°	2	7	14	21	24	1
165°	5	5	9	12	14	1
175°	5	5	5	5	2	0
180°	5	5	5	5	5	



TEST NUMBER: P566485

CATALOG NUMBER: 4SNX-48SL-LC-UNV-L950-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3737.4	3737.4	3737.4	3737.4	3737.4
1°	3768.1	3746.9	3697.3	3711.5	3709.1
2°	3768.1	3723.3	3626.5	3598.1	3555.6
3°	3770.5	3683.1	3517.9	3425.8	3366.7
4°	3770.5	3624.1	3357.3	3203.8	3128.3
5°	3770.5	3562.7	3192.0	2977.2	2896.9
6°	3765.8	3489.5	3024.4	2797.8	2677.3
7°	3772.8	3409.2	2873.3	2630.1	2535.7
8°	3770.5	3314.8	2734.0	2502.6	2398.7
9°	3777.6	3222.7	2582.9	2382.2	2304.3
10°	3770.5	3137.7	2483.7	2268.9	2188.6
11°	3770.5	3055.1	2412.9	2195.7	2127.2
12°	3775.2	2960.7	2335.0	2091.8	1997.4
13°	3787.0	2863.9	2245.3	1978.5	1867.5
14°	3789.4	2790.7	2162.7	1834.5	1718.8
15°	3779.9	2722.2	2075.3	1704.6	1567.7
16°	3775.2	2651.4	1971.4	1581.9	1459.1
17°	3784.6	2568.7	1853.4	1456.7	1343.4
18°	3787.0	2493.2	1728.2	1362.3	1263.1
19°	3787.0	2434.2	1626.7	1274.9	1189.9
20°	3787.0	2377.5	1522.8	1208.8	1135.6
21°	3782.3	2306.7	1404.8	1140.4	1079.0
22.5°	3784.6	2174.5	1270.2	1060.1	1010.5
23°	3777.6	2141.4	1237.2	1038.8	986.9
24°	3779.9	2047.0	1166.3	996.3	946.8
25°	3782.3	1926.6	1097.9	953.8	909.0
26°	3777.6	1829.8	1041.2	913.7	883.0
27°	3765.8	1751.8	1001.1	880.6	852.3
28°	3749.2	1648.0	958.6	852.3	826.3
29°	3732.7	1529.9	916.1	821.6	802.7
30°	3723.3	1435.5	875.9	798.0	781.5
32.5°	3666.6	1249.0	793.3	750.8	736.6
35°	3560.3	1071.9	734.3	710.7	701.2
37.5°	3421.1	934.9	689.4	684.7	687.0
40°	3192.0	826.3	656.4	677.6	698.8
42.5°	2918.2	741.3	632.7	684.7	708.3
45°	2573.5	677.6	618.6	684.7	708.3
47.5°	2191.0	625.7	602.0	661.1	684.7
50°	1808.5	578.4	569.0	625.7	646.9
52.5°	1470.9	533.6	526.5	580.8	602.0
55°	1180.5	484.0	476.9	535.9	557.2
57.5°	946.8	436.8	429.7	484.0	505.2
60°	755.5	389.6	377.8	432.1	453.3
62.5°	602.0	344.7	337.6	384.8	403.7
65°	472.2	304.6	299.8	342.3	354.1



TEST NUMBER: P566485

CATALOG NUMBER: 4SNX-48SL-LC-UNV-L950-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	373.0	266.8	269.2	304.6	318.7
70°	288.0	231.4	245.5	278.6	288.0
72.5°	217.2	196.0	226.7	255.0	266.8
75°	160.5	165.3	207.8	238.5	250.3
77.5°	111.0	136.9	191.2	224.3	236.1
80°	75.6	111.0	174.7	212.5	226.7
82.5°	44.9	92.1	160.5	200.7	217.2
85°	21.2	75.6	146.4	191.2	205.4
87.5°	7.1	61.4	132.2	181.8	193.6
90°	0.0	51.9	122.8	170.0	177.1
92.5°	0.0	44.9	111.0	155.8	160.5
95°	0.0	37.8	101.5	139.3	146.4
97.5°	0.0	35.4	94.4	125.1	134.6
100°	0.0	33.1	85.0	113.3	122.8
102.5°	0.0	28.3	75.6	101.5	111.0
105°	0.0	28.3	66.1	94.4	101.5
107.5°	2.4	26.0	61.4	85.0	94.4
110°	2.4	26.0	54.3	80.3	87.4
112.5°	2.4	26.0	51.9	73.2	82.6
115°	2.4	23.6	49.6	68.5	73.2
117.5°	2.4	23.6	47.2	61.4	66.1
120°	2.4	21.2	44.9	56.7	59.0
122.5°	2.4	21.2	42.5	51.9	54.3
125°	2.4	21.2	42.5	49.6	51.9
127.5°	2.4	18.9	40.1	47.2	47.2
130°	2.4	18.9	37.8	44.9	44.9
132.5°	2.4	16.5	35.4	42.5	44.9
135°	2.4	16.5	33.1	40.1	42.5
137.5°	2.4	14.2	30.7	37.8	40.1
140°	2.4	14.2	28.3	35.4	37.8
142.5°	2.4	11.8	26.0	33.1	35.4
145°	2.4	11.8	23.6	30.7	33.1
147.5°	2.4	11.8	21.2	28.3	30.7
150°	2.4	9.4	18.9	26.0	28.3
152.5°	2.4	9.4	16.5	23.6	26.0
155°	2.4	7.1	14.2	21.2	23.6
157.5°	2.4	7.1	14.2	18.9	21.2
160°	4.7	7.1	11.8	16.5	18.9
162.5°	2.4	4.7	11.8	14.2	16.5
165°	4.7	4.7	9.4	11.8	14.2
167.5°	4.7	4.7	7.1	9.4	11.8
170°	4.7	4.7	7.1	7.1	9.4
172.5°	4.7	4.7	4.7	7.1	4.7
175°	4.7	4.7	4.7	4.7	2.4
177.5°	4.7	4.7	4.7	4.7	2.4



TEST NUMBER: P566485

CATALOG NUMBER: 4SNX-48SL-LC-UNV-L950-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	4.7	4.7	4.7	4.7	4.7

(END OF REPORT)