

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: P566489

Luminaire Tested: **4SNX-48SL-LN-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566489
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-L850-CD
Description: 4FT 4800 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

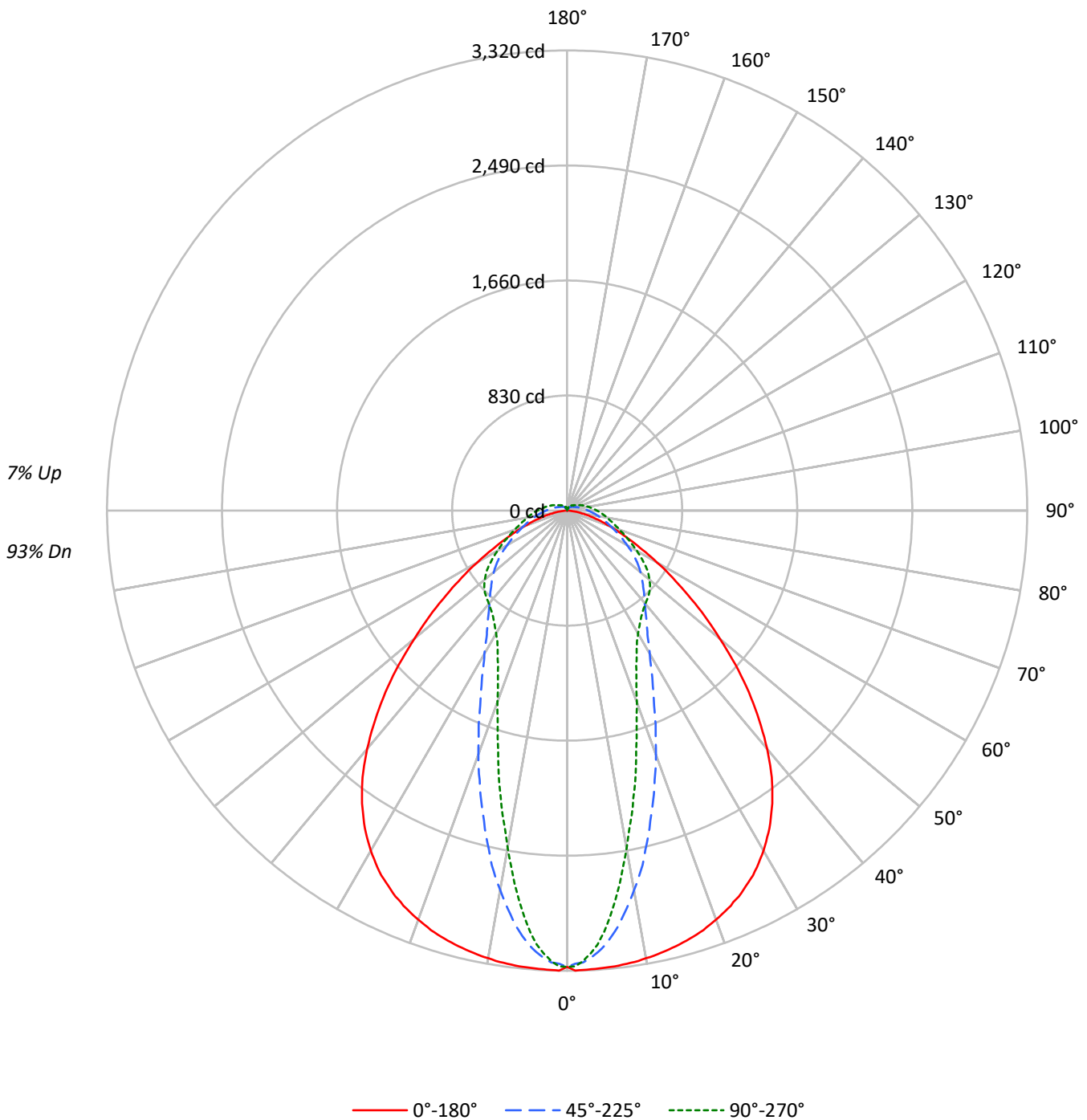
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5248.1 lumens
Efficiency: N/A
Efficacy: 163.5 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): 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

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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°	35437	35437	35437
5°	35621	32571	31169
10°	35573	27927	24183
15°	35555	22780	18125
20°	35442	18147	13564
25°	35119	14220	10765
30°	34383	11509	9182
35°	32940	9739	8353
40°	30470	8598	7906
45°	27091	7866	7662
50°	22949	7240	7238
55°	18853	6560	6610
60°	15077	5771	5798
65°	11704	5067	5045
70°	9087	4481	4463
75°	7029	4027	4066
80°	4964	3685	3779
85°	2761	3434	3625



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	291.5	5.6
10°-20°	683.4	13.0
20°-30°	811.2	15.5
30°-40°	816.1	15.6
40°-50°	758.7	14.5
50°-60°	624.7	11.9
60°-70°	440.2	8.4
70°-80°	287.6	5.5
80°-90°	183.6	3.5
90°-100°	120.4	2.3
100°-110°	81.8	1.6
110°-120°	56.0	1.1
120°-130°	38.8	0.7
130°-140°	26.1	0.5
140°-150°	16.1	0.3
150°-160°	8.4	0.2
160°-170°	3.0	0.1
170°-180°	0.5	0.0
0°-30°	1786.1	34.0
0°-40°	2602.3	49.6
0°-60°	3985.6	75.9
0°-90°	4897.0	93.3
90°-120°	258.2	4.9
90°-150°	339.2	6.5
90°-180°	351.0	6.7
0°-180°	5248.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3292	3292	3292	3292	3292	
5°	3309	3265	3146	3086	3053	315
15°	3226	2882	2319	2027	1917	911
25°	3014	2228	1477	1240	1188	1387
35°	2580	1507	1001	938	932	1604
45°	1854	993	776	817	839	1423
55°	1064	652	600	666	688	961
65°	501	393	413	465	481	508
75°	195	204	278	327	341	211
85°	33	94	187	242	253	42
90°	0	63	151	206	214	2
95°	0	47	126	173	182	0
105°	0	33	85	121	132	0
115°	3	28	60	88	94	2
125°	3	22	50	63	69	3
135°	3	19	38	50	52	2
145°	3	14	28	38	41	2
155°	3	11	19	28	30	1
165°	3	6	11	14	16	1
175°	6	6	6	6	3	0
180°	3	3	3	3	3	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3292.2	3292.2	3292.2	3292.2	3292.2
1°	3319.7	3306.0	3270.2	3295.0	3289.5
2°	3317.0	3303.2	3262.0	3273.0	3253.7
3°	3314.2	3295.0	3231.7	3229.0	3201.5
4°	3311.5	3281.2	3193.2	3160.2	3138.2
5°	3308.7	3264.7	3146.5	3085.9	3052.9
6°	3306.0	3245.5	3085.9	2995.2	2948.4
7°	3300.5	3215.2	3022.7	2898.9	2838.4
8°	3295.0	3187.7	2942.9	2794.4	2720.1
9°	3289.5	3152.0	2863.2	2681.6	2593.6
10°	3278.5	3116.2	2780.7	2566.1	2472.6
11°	3273.0	3074.9	2700.9	2456.1	2346.1
12°	3262.0	3030.9	2615.6	2340.6	2244.3
13°	3251.0	2984.2	2511.1	2241.6	2126.1
14°	3240.0	2934.7	2420.4	2131.6	2024.3
15°	3226.2	2882.4	2318.6	2027.0	1917.0
16°	3212.5	2821.9	2227.8	1919.8	1804.3
17°	3198.7	2764.2	2142.6	1820.8	1716.2
18°	3182.2	2706.4	2043.5	1724.5	1622.7
19°	3160.2	2640.4	1963.8	1636.5	1543.0
20°	3141.0	2579.9	1873.0	1554.0	1471.5
21°	3119.0	2505.6	1782.3	1477.0	1394.5
22.5°	3085.9	2401.1	1666.7	1380.7	1303.7
23°	3069.4	2370.8	1620.0	1344.9	1278.9
24°	3047.4	2291.1	1543.0	1289.9	1223.9
25°	3014.4	2227.8	1477.0	1240.4	1188.2
26°	2984.2	2150.8	1411.0	1196.4	1144.2
27°	2953.9	2076.6	1353.2	1149.7	1105.7
28°	2915.4	1999.5	1289.9	1111.2	1072.7
29°	2874.2	1928.0	1237.7	1078.2	1047.9
30°	2832.9	1848.3	1193.7	1047.9	1023.1
32.5°	2717.4	1672.2	1080.9	990.1	973.6
35°	2579.9	1507.2	1001.1	937.9	932.4
37.5°	2425.9	1355.9	929.6	896.6	902.1
40°	2244.3	1218.4	869.1	866.4	877.4
42.5°	2051.8	1100.2	822.4	841.6	858.1
45°	1853.8	992.9	775.6	816.9	838.9
47.5°	1647.5	899.4	734.4	786.6	811.4
50°	1438.5	808.6	690.4	750.9	775.6
52.5°	1251.4	728.9	646.3	709.6	737.1
55°	1064.4	651.8	599.6	665.6	687.6
57.5°	902.1	580.3	550.1	616.1	632.6
60°	750.9	511.6	500.6	561.1	580.3
62.5°	613.3	451.1	453.8	511.6	530.8
65°	500.6	393.3	412.6	464.8	481.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	407.1	338.3	371.3	426.3	440.1
70°	321.8	288.8	338.3	387.8	401.6
72.5°	255.8	244.8	305.3	357.6	368.6
75°	195.3	203.5	277.8	327.3	341.0
77.5°	140.3	170.5	250.3	302.5	313.5
80°	99.0	140.3	228.3	280.5	291.5
82.5°	63.3	115.5	206.3	261.3	272.3
85°	33.0	93.5	187.0	242.0	253.0
87.5°	13.8	77.0	167.8	222.8	233.8
90°	0.0	63.3	151.3	206.3	214.5
92.5°	0.0	55.0	137.5	189.8	198.0
95°	0.0	46.8	126.5	173.3	181.5
97.5°	0.0	44.0	112.8	159.5	167.8
100°	0.0	38.5	101.8	145.8	156.8
102.5°	0.0	35.8	93.5	132.0	143.0
105°	0.0	33.0	85.3	121.0	132.0
107.5°	0.0	30.3	79.8	112.8	121.0
110°	0.0	30.3	71.5	104.5	112.8
112.5°	2.8	27.5	66.0	93.5	101.8
115°	2.8	27.5	60.5	88.0	93.5
117.5°	2.8	27.5	57.8	79.8	85.3
120°	2.8	24.8	55.0	74.3	79.8
122.5°	2.8	24.8	52.3	68.8	71.5
125°	2.8	22.0	49.5	63.3	68.8
127.5°	2.8	22.0	46.8	60.5	63.3
130°	2.8	22.0	44.0	55.0	60.5
132.5°	2.8	19.3	41.3	52.3	55.0
135°	2.8	19.3	38.5	49.5	52.3
137.5°	2.8	16.5	35.8	46.8	49.5
140°	2.8	16.5	33.0	44.0	46.8
142.5°	2.8	13.8	30.3	41.3	44.0
145°	2.8	13.8	27.5	38.5	41.3
147.5°	2.8	13.8	24.8	35.8	38.5
150°	2.8	11.0	22.0	33.0	35.8
152.5°	2.8	11.0	19.3	30.3	33.0
155°	2.8	11.0	19.3	27.5	30.3
157.5°	2.8	8.3	16.5	22.0	27.5
160°	2.8	8.3	13.8	19.3	24.8
162.5°	2.8	8.3	13.8	16.5	19.3
165°	2.8	5.5	11.0	13.8	16.5
167.5°	2.8	5.5	8.3	11.0	13.8
170°	2.8	5.5	8.3	8.3	11.0
172.5°	2.8	5.5	5.5	5.5	5.5
175°	5.5	5.5	5.5	5.5	2.8
177.5°	5.5	5.5	5.5	2.8	2.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	2.8	2.8	2.8	2.8	2.8

(END OF REPORT)