

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: P566490

Luminaire Tested: **4SNX-48SL-LN-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566490
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-L930-CD
Description: 4FT 4800 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

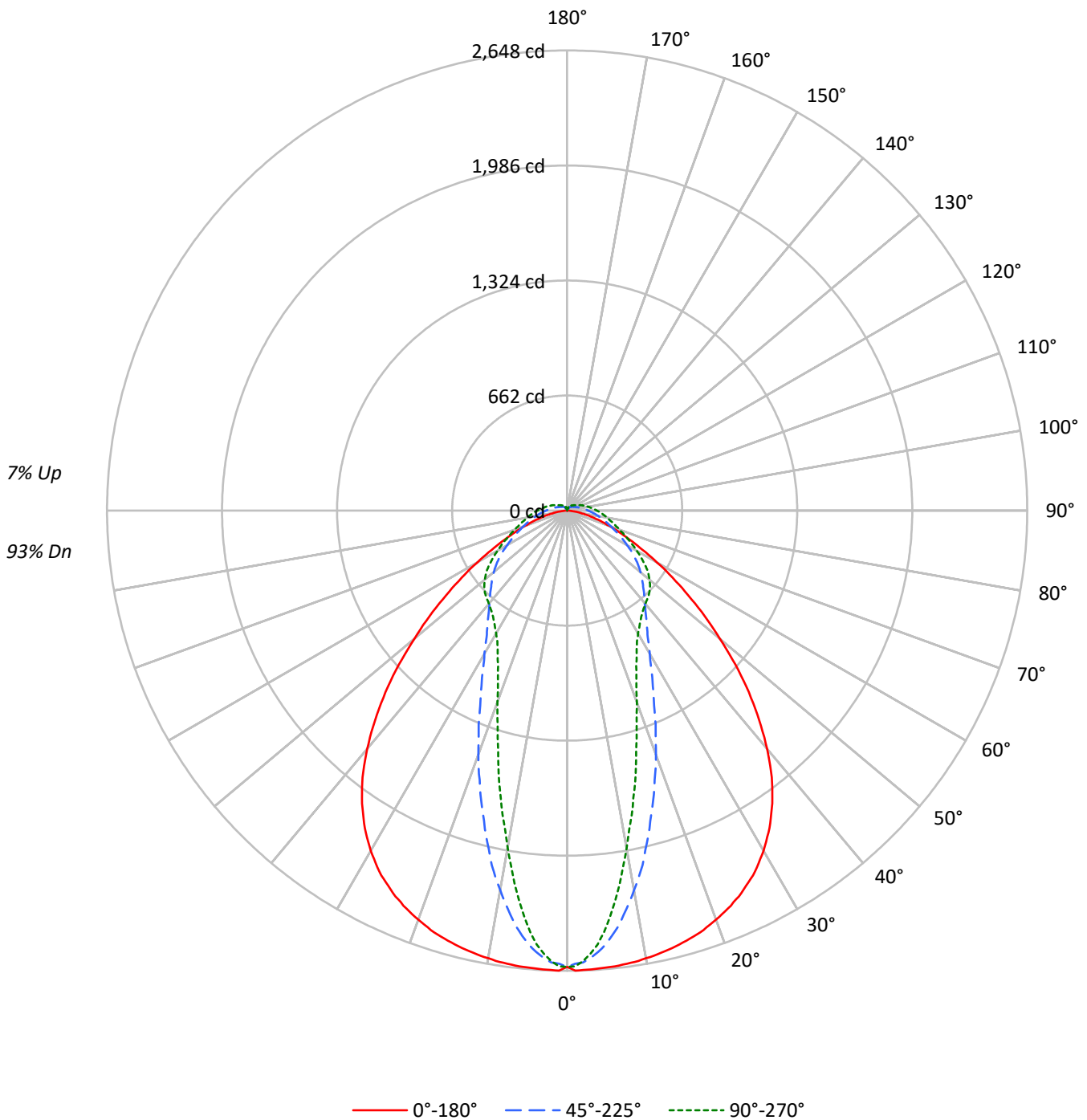
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4186.0 lumens
Efficiency: N/A
Efficacy: 130.4 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): 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°	28266	28266	28266
5°	28413	25979	24861
10°	28373	22275	19289
15°	28360	18170	14457
20°	28269	14475	10819
25°	28012	11343	8586
30°	27425	9179	7324
35°	26274	7769	6662
40°	24305	6858	6306
45°	21608	6275	6111
50°	18305	5774	5773
55°	15038	5233	5273
60°	12025	4603	4625
65°	9336	4041	4024
70°	7249	3573	3560
75°	5608	3212	3243
80°	3961	2939	3014
85°	2200	2740	2891



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	232.5	5.6
10°-20°	545.1	13.0
20°-30°	647.0	15.5
30°-40°	651.0	15.6
40°-50°	605.1	14.5
50°-60°	498.3	11.9
60°-70°	351.1	8.4
70°-80°	229.4	5.5
80°-90°	146.4	3.5
90°-100°	96.0	2.3
100°-110°	65.2	1.6
110°-120°	44.7	1.1
120°-130°	30.9	0.7
130°-140°	20.8	0.5
140°-150°	12.8	0.3
150°-160°	6.7	0.2
160°-170°	2.4	0.1
170°-180°	0.4	0.0
0°-30°	1424.7	34.0
0°-40°	2075.7	49.6
0°-60°	3179.1	75.9
0°-90°	3906.1	93.3
90°-120°	205.9	4.9
90°-150°	270.5	6.5
90°-180°	280.0	6.7
0°-180°	4186.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2626	2626	2626	2626	2626	
5°	2639	2604	2510	2462	2435	251
15°	2573	2299	1849	1617	1529	727
25°	2404	1777	1178	989	948	1106
35°	2058	1202	799	748	744	1280
45°	1479	792	619	652	669	1135
55°	849	520	478	531	548	767
65°	399	314	329	371	384	405
75°	156	162	222	261	272	168
85°	26	75	149	193	202	33
90°	0	50	121	164	171	2
95°	0	37	101	138	145	0
105°	0	26	68	96	105	0
115°	2	22	48	70	75	2
125°	2	18	40	50	55	2
135°	2	15	31	40	42	2
145°	2	11	22	31	33	1
155°	2	9	15	22	24	1
165°	2	4	9	11	13	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°	2626.0	2626.0	2626.0	2626.0	2626.0
1°	2647.9	2637.0	2608.5	2628.2	2623.8
2°	2645.7	2634.8	2601.9	2610.6	2595.3
3°	2643.6	2628.2	2577.7	2575.5	2553.6
4°	2641.4	2617.2	2547.0	2520.7	2503.1
5°	2639.2	2604.1	2509.7	2461.5	2435.1
6°	2637.0	2588.7	2461.5	2389.1	2351.8
7°	2632.6	2564.6	2411.0	2312.3	2264.0
8°	2628.2	2542.6	2347.4	2228.9	2169.7
9°	2623.8	2514.1	2283.8	2139.0	2068.8
10°	2615.0	2485.6	2218.0	2046.8	1972.2
11°	2610.6	2452.7	2154.3	1959.1	1871.3
12°	2601.9	2417.6	2086.3	1866.9	1790.2
13°	2593.1	2380.3	2003.0	1788.0	1695.8
14°	2584.3	2340.8	1930.6	1700.2	1614.7
15°	2573.4	2299.1	1849.4	1616.8	1529.1
16°	2562.4	2250.9	1777.0	1531.3	1439.1
17°	2551.4	2204.8	1709.0	1452.3	1368.9
18°	2538.3	2158.7	1630.0	1375.5	1294.4
19°	2520.7	2106.1	1566.4	1305.3	1230.7
20°	2505.3	2057.8	1494.0	1239.5	1173.7
21°	2487.8	1998.6	1421.6	1178.1	1112.3
22.5°	2461.5	1915.2	1329.5	1101.3	1039.9
23°	2448.3	1891.1	1292.2	1072.8	1020.1
24°	2430.8	1827.5	1230.7	1028.9	976.3
25°	2404.4	1777.0	1178.1	989.4	947.7
26°	2380.3	1715.6	1125.4	954.3	912.6
27°	2356.2	1656.3	1079.4	917.0	881.9
28°	2325.4	1594.9	1028.9	886.3	855.6
29°	2292.5	1537.9	987.2	860.0	835.8
30°	2259.6	1474.2	952.1	835.8	816.1
32.5°	2167.5	1333.8	862.2	789.8	776.6
35°	2057.8	1202.2	798.6	748.1	743.7
37.5°	1934.9	1081.6	741.5	715.2	719.6
40°	1790.2	971.9	693.2	691.1	699.8
42.5°	1636.6	877.5	656.0	671.3	684.5
45°	1478.6	792.0	618.7	651.6	669.1
47.5°	1314.1	717.4	585.8	627.4	647.2
50°	1147.4	645.0	550.6	598.9	618.7
52.5°	998.2	581.4	515.5	566.0	587.9
55°	849.0	519.9	478.3	530.9	548.5
57.5°	719.6	462.9	438.8	491.4	504.6
60°	598.9	408.1	399.3	447.5	462.9
62.5°	489.2	359.8	362.0	408.1	423.4
65°	399.3	313.7	329.1	370.8	383.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	324.7	269.8	296.2	340.0	351.0
70°	256.7	230.4	269.8	309.3	320.3
72.5°	204.0	195.3	243.5	285.2	294.0
75°	155.8	162.3	221.6	261.1	272.0
77.5°	111.9	136.0	199.6	241.3	250.1
80°	79.0	111.9	182.1	223.8	232.5
82.5°	50.5	92.1	164.5	208.4	217.2
85°	26.3	74.6	149.2	193.1	201.8
87.5°	11.0	61.4	133.8	177.7	186.5
90°	0.0	50.5	120.7	164.5	171.1
92.5°	0.0	43.9	109.7	151.4	158.0
95°	0.0	37.3	100.9	138.2	144.8
97.5°	0.0	35.1	89.9	127.2	133.8
100°	0.0	30.7	81.2	116.3	125.0
102.5°	0.0	28.5	74.6	105.3	114.1
105°	0.0	26.3	68.0	96.5	105.3
107.5°	0.0	24.1	63.6	89.9	96.5
110°	0.0	24.1	57.0	83.4	89.9
112.5°	2.2	21.9	52.7	74.6	81.2
115°	2.2	21.9	48.3	70.2	74.6
117.5°	2.2	21.9	46.1	63.6	68.0
120°	2.2	19.7	43.9	59.2	63.6
122.5°	2.2	19.7	41.7	54.8	57.0
125°	2.2	17.6	39.5	50.5	54.8
127.5°	2.2	17.6	37.3	48.3	50.5
130°	2.2	17.6	35.1	43.9	48.3
132.5°	2.2	15.4	32.9	41.7	43.9
135°	2.2	15.4	30.7	39.5	41.7
137.5°	2.2	13.2	28.5	37.3	39.5
140°	2.2	13.2	26.3	35.1	37.3
142.5°	2.2	11.0	24.1	32.9	35.1
145°	2.2	11.0	21.9	30.7	32.9
147.5°	2.2	11.0	19.7	28.5	30.7
150°	2.2	8.8	17.6	26.3	28.5
152.5°	2.2	8.8	15.4	24.1	26.3
155°	2.2	8.8	15.4	21.9	24.1
157.5°	2.2	6.6	13.2	17.6	21.9
160°	2.2	6.6	11.0	15.4	19.7
162.5°	2.2	6.6	11.0	13.2	15.4
165°	2.2	4.4	8.8	11.0	13.2
167.5°	2.2	4.4	6.6	8.8	11.0
170°	2.2	4.4	6.6	6.6	8.8
172.5°	2.2	4.4	4.4	4.4	4.4
175°	4.4	4.4	4.4	4.4	2.2
177.5°	4.4	4.4	4.4	2.2	2.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	2.2	2.2	2.2	2.2	2.2

(END OF REPORT)