

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: P566478

Luminaire Tested: **4SNX-48SL-LC-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566478
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-L830-CD
Description: 4FT 4800 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

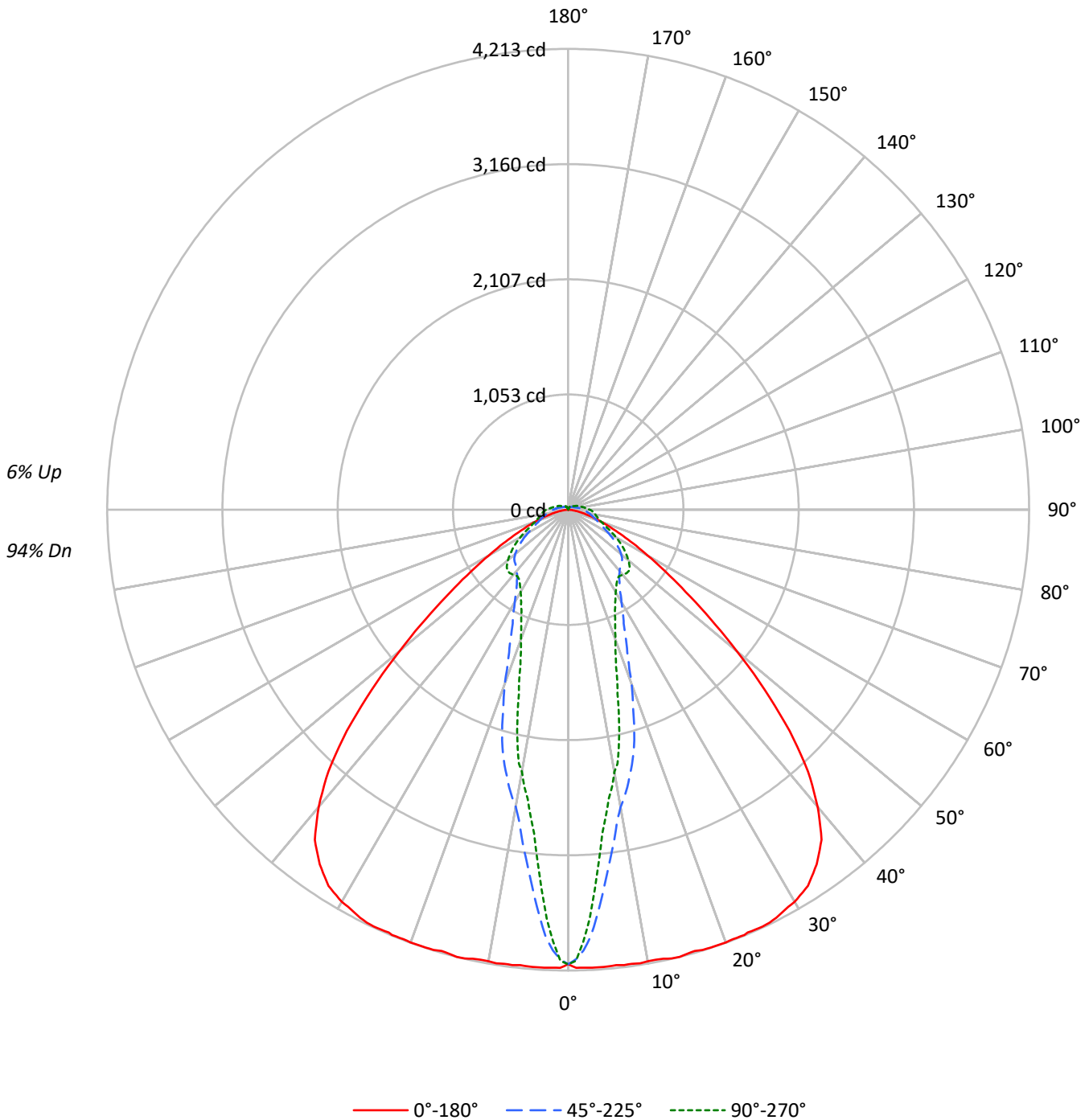
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5121.9 lumens
Efficiency: N/A
Efficacy: 159.6 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

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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	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°	44726	44726	44726
5°	45130	36736	32883
10°	45484	27733	23798
15°	46314	22669	16479
20°	47507	16404	11639
25°	48991	11752	9156
30°	50242	9388	7797
35°	50539	7941	6984
40°	48182	7219	7001
45°	41811	6975	7193
50°	32078	6634	6711
55°	23246	5801	5955
60°	16866	4841	5035
65°	12275	4094	4127
70°	9042	3616	3559
75°	6425	3348	3317
80°	4212	3134	3267
85°	1974	2988	3272



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	326.8	6.4
10°-20°	709.6	13.9
20°-30°	812.3	15.9
30°-40°	813.7	15.9
40°-50°	770.3	15.0
50°-60°	590.7	11.5
60°-70°	380.8	7.4
70°-80°	242.8	4.7
80°-90°	161.2	3.1
90°-100°	108.4	2.1
100°-110°	71.4	1.4
110°-120°	49.7	1.0
120°-130°	34.6	0.7
130°-140°	24.1	0.5
140°-150°	14.7	0.3
150°-160°	7.5	0.1
160°-170°	2.9	0.1
170°-180°	0.6	0.0
0°-30°	1848.6	36.1
0°-40°	2662.3	52.0
0°-60°	4023.3	78.6
0°-90°	4808.1	93.9
90°-120°	229.5	4.5
90°-150°	302.9	5.9
90°-180°	314.0	6.1
0°-180°	5121.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4155	4155	4155	4155	4155	
5°	4192	3961	3549	3310	3221	400
15°	4202	3026	2307	1895	1743	1192
25°	4205	2142	1221	1060	1011	1939
35°	3958	1192	816	790	780	2456
45°	2861	753	688	761	788	2175
55°	1312	538	530	596	620	1207
65°	525	339	333	381	394	540
75°	178	184	231	265	278	196
85°	24	84	163	213	228	32
90°	0	58	136	189	197	1
95°	0	42	113	155	163	0
105°	0	32	74	105	113	2
115°	3	26	55	76	81	3
125°	3	24	47	55	58	2
135°	3	18	37	45	47	2
145°	3	13	26	34	37	2
155°	3	8	16	24	26	1
165°	5	5	10	13	16	1
175°	5	5	5	5	3	0
180°	5	5	5	5	5	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4155.2	4155.2	4155.2	4155.2	4155.2
1°	4189.3	4165.7	4110.6	4126.3	4123.7
2°	4189.3	4139.5	4031.8	4000.3	3953.1
3°	4192.0	4094.8	3911.1	3808.7	3743.1
4°	4192.0	4029.2	3732.6	3562.0	3478.0
5°	4192.0	3961.0	3548.9	3310.0	3220.8
6°	4186.7	3879.6	3362.5	3110.5	2976.6
7°	4194.6	3790.4	3194.5	2924.1	2819.1
8°	4192.0	3685.4	3039.6	2782.4	2666.9
9°	4199.8	3583.0	2871.6	2648.5	2561.9
10°	4192.0	3488.5	2761.4	2522.5	2433.3
11°	4192.0	3396.6	2682.6	2441.2	2365.0
12°	4197.2	3291.6	2596.0	2325.7	2220.7
13°	4210.3	3184.0	2496.3	2199.7	2076.3
14°	4213.0	3102.6	2404.4	2039.5	1910.9
15°	4202.5	3026.5	2307.3	1895.2	1742.9
16°	4197.2	2947.8	2191.8	1758.7	1622.2
17°	4207.7	2855.9	2060.5	1619.6	1493.6
18°	4210.3	2771.9	1921.4	1514.6	1404.3
19°	4210.3	2706.3	1808.6	1417.4	1322.9
20°	4210.3	2643.3	1693.1	1343.9	1262.6
21°	4205.1	2564.5	1561.8	1267.8	1199.6
22.5°	4207.7	2417.5	1412.2	1178.6	1123.5
23°	4199.8	2380.8	1375.4	1155.0	1097.2
24°	4202.5	2275.8	1296.7	1107.7	1052.6
25°	4205.1	2141.9	1220.6	1060.5	1010.6
26°	4199.8	2034.3	1157.6	1015.8	981.7
27°	4186.7	1947.7	1113.0	979.1	947.6
28°	4168.3	1832.2	1065.7	947.6	918.7
29°	4150.0	1700.9	1018.5	913.5	892.5
30°	4139.5	1595.9	973.8	887.2	868.8
32.5°	4076.5	1388.6	882.0	834.7	819.0
35°	3958.3	1191.7	816.3	790.1	779.6
37.5°	3803.5	1039.5	766.5	761.2	763.8
40°	3548.9	918.7	729.7	753.3	777.0
42.5°	3244.4	824.2	703.5	761.2	787.5
45°	2861.1	753.3	687.7	761.2	787.5
47.5°	2435.9	695.6	669.3	735.0	761.2
50°	2010.7	643.1	632.6	695.6	719.2
52.5°	1635.3	593.2	585.4	645.7	669.3
55°	1312.4	538.1	530.2	595.9	619.5
57.5°	1052.6	485.6	477.7	538.1	561.7
60°	840.0	433.1	420.0	480.4	504.0
62.5°	669.3	383.2	375.4	427.9	448.9
65°	525.0	338.6	333.4	380.6	393.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	414.7	296.6	299.2	338.6	354.4
70°	320.2	257.2	273.0	309.7	320.2
72.5°	241.5	217.9	252.0	283.5	296.6
75°	178.5	183.7	231.0	265.1	278.2
77.5°	123.4	152.2	212.6	249.4	262.5
80°	84.0	123.4	194.2	236.2	252.0
82.5°	49.9	102.4	178.5	223.1	241.5
85°	23.6	84.0	162.7	212.6	228.4
87.5°	7.9	68.2	147.0	202.1	215.2
90°	0.0	57.7	136.5	189.0	196.9
92.5°	0.0	49.9	123.4	173.2	178.5
95°	0.0	42.0	112.9	154.9	162.7
97.5°	0.0	39.4	105.0	139.1	149.6
100°	0.0	36.7	94.5	126.0	136.5
102.5°	0.0	31.5	84.0	112.9	123.4
105°	0.0	31.5	73.5	105.0	112.9
107.5°	2.6	28.9	68.2	94.5	105.0
110°	2.6	28.9	60.4	89.2	97.1
112.5°	2.6	28.9	57.7	81.4	91.9
115°	2.6	26.2	55.1	76.1	81.4
117.5°	2.6	26.2	52.5	68.2	73.5
120°	2.6	23.6	49.9	63.0	65.6
122.5°	2.6	23.6	47.2	57.7	60.4
125°	2.6	23.6	47.2	55.1	57.7
127.5°	2.6	21.0	44.6	52.5	52.5
130°	2.6	21.0	42.0	49.9	49.9
132.5°	2.6	18.4	39.4	47.2	49.9
135°	2.6	18.4	36.7	44.6	47.2
137.5°	2.6	15.7	34.1	42.0	44.6
140°	2.6	15.7	31.5	39.4	42.0
142.5°	2.6	13.1	28.9	36.7	39.4
145°	2.6	13.1	26.2	34.1	36.7
147.5°	2.6	13.1	23.6	31.5	34.1
150°	2.6	10.5	21.0	28.9	31.5
152.5°	2.6	10.5	18.4	26.2	28.9
155°	2.6	7.9	15.7	23.6	26.2
157.5°	2.6	7.9	15.7	21.0	23.6
160°	5.2	7.9	13.1	18.4	21.0
162.5°	2.6	5.2	13.1	15.7	18.4
165°	5.2	5.2	10.5	13.1	15.7
167.5°	5.2	5.2	7.9	10.5	13.1
170°	5.2	5.2	7.9	7.9	10.5
172.5°	5.2	5.2	5.2	7.9	5.2
175°	5.2	5.2	5.2	5.2	2.6
177.5°	5.2	5.2	5.2	5.2	2.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	5.2	5.2	5.2	5.2	5.2

(END OF REPORT)