

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: P566487

Luminaire Tested: **4SNX-48SL-LN-UNV-L835-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566487  
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-L835-CD  
Description: 4FT 4800 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LN LENS  
Light Source: -  
Ballast/Driver: -

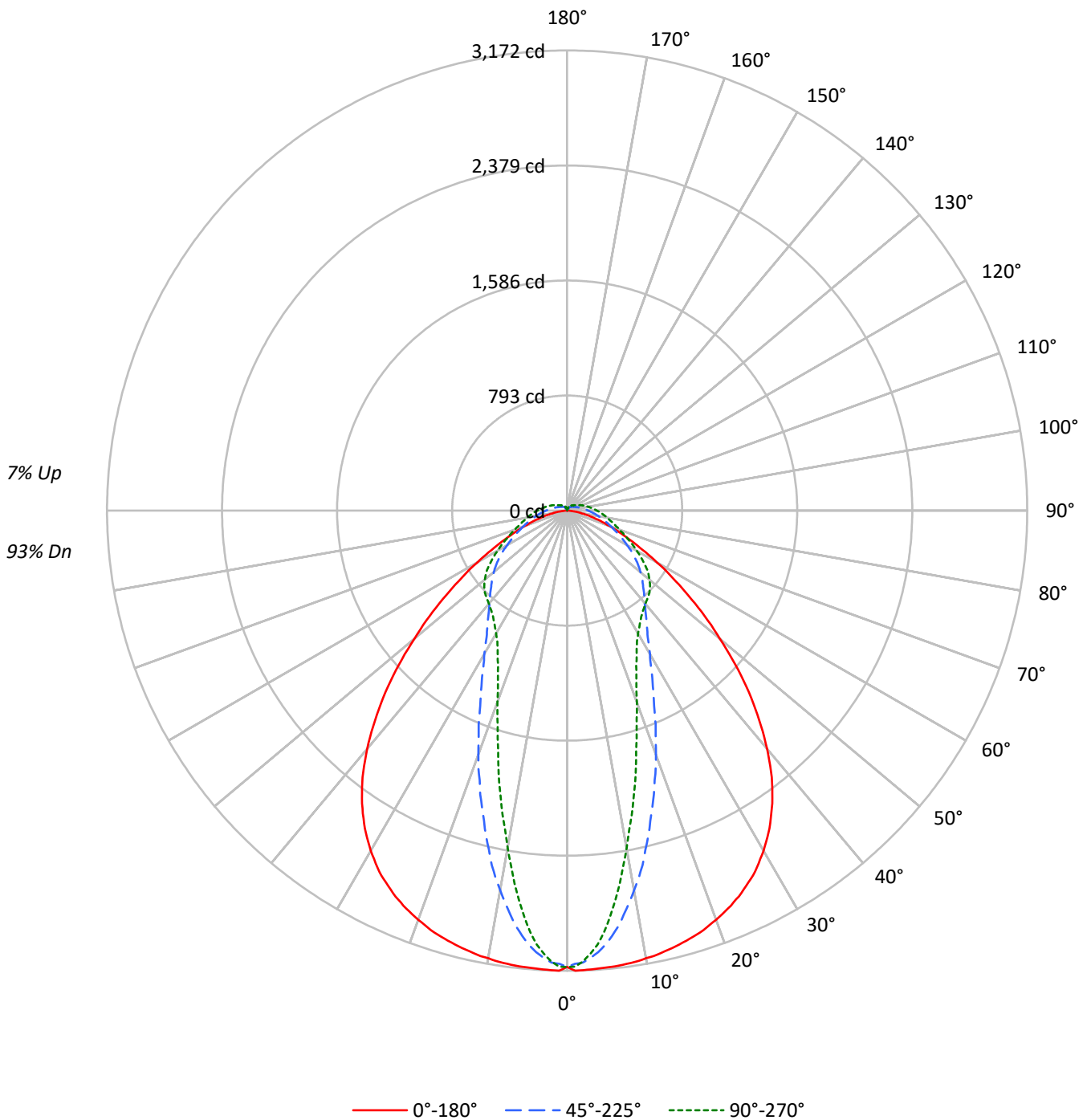
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5015.0 lumens  
Efficiency: N/A  
Efficacy: 156.2 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°	33864	33864	33864
5°	34039	31125	29785
10°	33993	26686	23109
15°	33976	21768	17320
20°	33868	17341	12961
25°	33560	13589	10287
30°	32856	10998	8775
35°	31476	9307	7982
40°	29118	8216	7555
45°	25888	7518	7321
50°	21930	6918	6917
55°	18015	6269	6317
60°	14406	5514	5541
65°	11183	4841	4822
70°	8683	4282	4264
75°	6716	3848	3886
80°	4743	3520	3612
85°	2635	3282	3464



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	278.6	5.6
10°-20°	653.0	13.0
20°-30°	775.2	15.5
30°-40°	779.9	15.6
40°-50°	725.0	14.5
50°-60°	597.0	11.9
60°-70°	420.6	8.4
70°-80°	274.8	5.5
80°-90°	175.5	3.5
90°-100°	115.1	2.3
100°-110°	78.1	1.6
110°-120°	53.5	1.1
120°-130°	37.0	0.7
130°-140°	24.9	0.5
140°-150°	15.4	0.3
150°-160°	8.0	0.2
160°-170°	2.9	0.1
170°-180°	0.5	0.0
0°-30°	1706.8	34.0
0°-40°	2486.7	49.6
0°-60°	3808.7	75.9
0°-90°	4679.6	93.3
90°-120°	246.7	4.9
90°-150°	324.1	6.5
90°-180°	335.0	6.7
0°-180°	5015.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3146	3146	3146	3146	3146	
5°	3162	3120	3007	2949	2917	301
15°	3083	2754	2216	1937	1832	871
25°	2881	2129	1411	1185	1135	1326
35°	2465	1440	957	896	891	1533
45°	1772	949	741	781	802	1360
55°	1017	623	573	636	657	919
65°	478	376	394	444	460	485
75°	187	194	266	313	326	202
85°	32	89	179	231	242	40
90°	0	60	145	197	205	2
95°	0	45	121	166	174	0
105°	0	32	82	116	126	0
115°	3	26	58	84	89	2
125°	3	21	47	60	66	2
135°	3	18	37	47	50	2
145°	3	13	26	37	39	2
155°	3	10	18	26	29	1
165°	3	5	10	13	16	1
175°	5	5	5	5	3	0
180°	3	3	3	3	3	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3146.1	3146.1	3146.1	3146.1	3146.1
1°	3172.3	3159.2	3125.0	3148.7	3143.4
2°	3169.7	3156.6	3117.1	3127.7	3109.3
3°	3167.1	3148.7	3088.2	3085.6	3059.3
4°	3164.5	3135.5	3051.4	3019.9	2998.9
5°	3161.8	3119.8	3006.8	2948.9	2917.4
6°	3159.2	3101.4	2948.9	2862.2	2817.5
7°	3153.9	3072.5	2888.5	2770.2	2712.4
8°	3148.7	3046.2	2812.3	2670.3	2599.4
9°	3143.4	3012.0	2736.0	2562.6	2478.5
10°	3132.9	2977.8	2657.2	2452.2	2362.8
11°	3127.7	2938.4	2581.0	2347.1	2241.9
12°	3117.1	2896.4	2499.5	2236.7	2144.7
13°	3106.6	2851.7	2399.6	2142.1	2031.7
14°	3096.1	2804.4	2312.9	2036.9	1934.4
15°	3083.0	2754.4	2215.6	1937.0	1831.9
16°	3069.8	2696.6	2128.9	1834.5	1724.2
17°	3056.7	2641.4	2047.4	1739.9	1640.1
18°	3040.9	2586.2	1952.8	1647.9	1550.7
19°	3019.9	2523.2	1876.6	1563.8	1474.5
20°	3001.5	2465.3	1789.9	1485.0	1406.1
21°	2980.5	2394.4	1703.1	1411.4	1332.5
22.5°	2948.9	2294.5	1592.7	1319.4	1245.8
23°	2933.2	2265.6	1548.1	1285.2	1222.2
24°	2912.1	2189.4	1474.5	1232.7	1169.6
25°	2880.6	2128.9	1411.4	1185.4	1135.4
26°	2851.7	2055.3	1348.3	1143.3	1093.4
27°	2822.8	1984.4	1293.1	1098.6	1056.6
28°	2786.0	1910.8	1232.7	1061.8	1025.0
29°	2746.6	1842.4	1182.7	1030.3	1001.4
30°	2707.1	1766.2	1140.7	1001.4	977.7
32.5°	2596.7	1598.0	1032.9	946.2	930.4
35°	2465.3	1440.3	956.7	896.2	891.0
37.5°	2318.1	1295.7	888.4	856.8	862.1
40°	2144.7	1164.3	830.5	827.9	838.4
42.5°	1960.7	1051.3	785.9	804.3	820.0
45°	1771.5	948.8	741.2	780.6	801.6
47.5°	1574.3	859.4	701.8	751.7	775.3
50°	1374.6	772.7	659.7	717.5	741.2
52.5°	1195.9	696.5	617.6	678.1	704.4
55°	1017.1	622.9	573.0	636.0	657.1
57.5°	862.1	554.6	525.7	588.7	604.5
60°	717.5	488.9	478.3	536.2	554.6
62.5°	586.1	431.0	433.7	488.9	507.3
65°	478.3	375.8	394.2	444.2	460.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	389.0	323.3	354.8	407.4	420.5
70°	307.5	276.0	323.3	370.6	383.7
72.5°	244.4	233.9	291.7	341.7	352.2
75°	186.6	194.5	265.5	312.8	325.9
77.5°	134.0	163.0	239.2	289.1	299.6
80°	94.6	134.0	218.1	268.1	278.6
82.5°	60.5	110.4	197.1	249.7	260.2
85°	31.5	89.4	178.7	231.3	241.8
87.5°	13.1	73.6	160.3	212.9	223.4
90°	0.0	60.5	144.6	197.1	205.0
92.5°	0.0	52.6	131.4	181.4	189.2
95°	0.0	44.7	120.9	165.6	173.5
97.5°	0.0	42.1	107.8	152.4	160.3
100°	0.0	36.8	97.2	139.3	149.8
102.5°	0.0	34.2	89.4	126.2	136.7
105°	0.0	31.5	81.5	115.6	126.2
107.5°	0.0	28.9	76.2	107.8	115.6
110°	0.0	28.9	68.3	99.9	107.8
112.5°	2.6	26.3	63.1	89.4	97.2
115°	2.6	26.3	57.8	84.1	89.4
117.5°	2.6	26.3	55.2	76.2	81.5
120°	2.6	23.7	52.6	71.0	76.2
122.5°	2.6	23.7	49.9	65.7	68.3
125°	2.6	21.0	47.3	60.5	65.7
127.5°	2.6	21.0	44.7	57.8	60.5
130°	2.6	21.0	42.1	52.6	57.8
132.5°	2.6	18.4	39.4	49.9	52.6
135°	2.6	18.4	36.8	47.3	49.9
137.5°	2.6	15.8	34.2	44.7	47.3
140°	2.6	15.8	31.5	42.1	44.7
142.5°	2.6	13.1	28.9	39.4	42.1
145°	2.6	13.1	26.3	36.8	39.4
147.5°	2.6	13.1	23.7	34.2	36.8
150°	2.6	10.5	21.0	31.5	34.2
152.5°	2.6	10.5	18.4	28.9	31.5
155°	2.6	10.5	18.4	26.3	28.9
157.5°	2.6	7.9	15.8	21.0	26.3
160°	2.6	7.9	13.1	18.4	23.7
162.5°	2.6	7.9	13.1	15.8	18.4
165°	2.6	5.3	10.5	13.1	15.8
167.5°	2.6	5.3	7.9	10.5	13.1
170°	2.6	5.3	7.9	7.9	10.5
172.5°	2.6	5.3	5.3	5.3	5.3
175°	5.3	5.3	5.3	5.3	2.6
177.5°	5.3	5.3	5.3	2.6	2.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	2.6	2.6	2.6	2.6	2.6

(END OF REPORT)