

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: P566491

Luminaire Tested: **4SNX-48SL-LN-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566491
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-L935-CD
Description: 4FT 4800 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

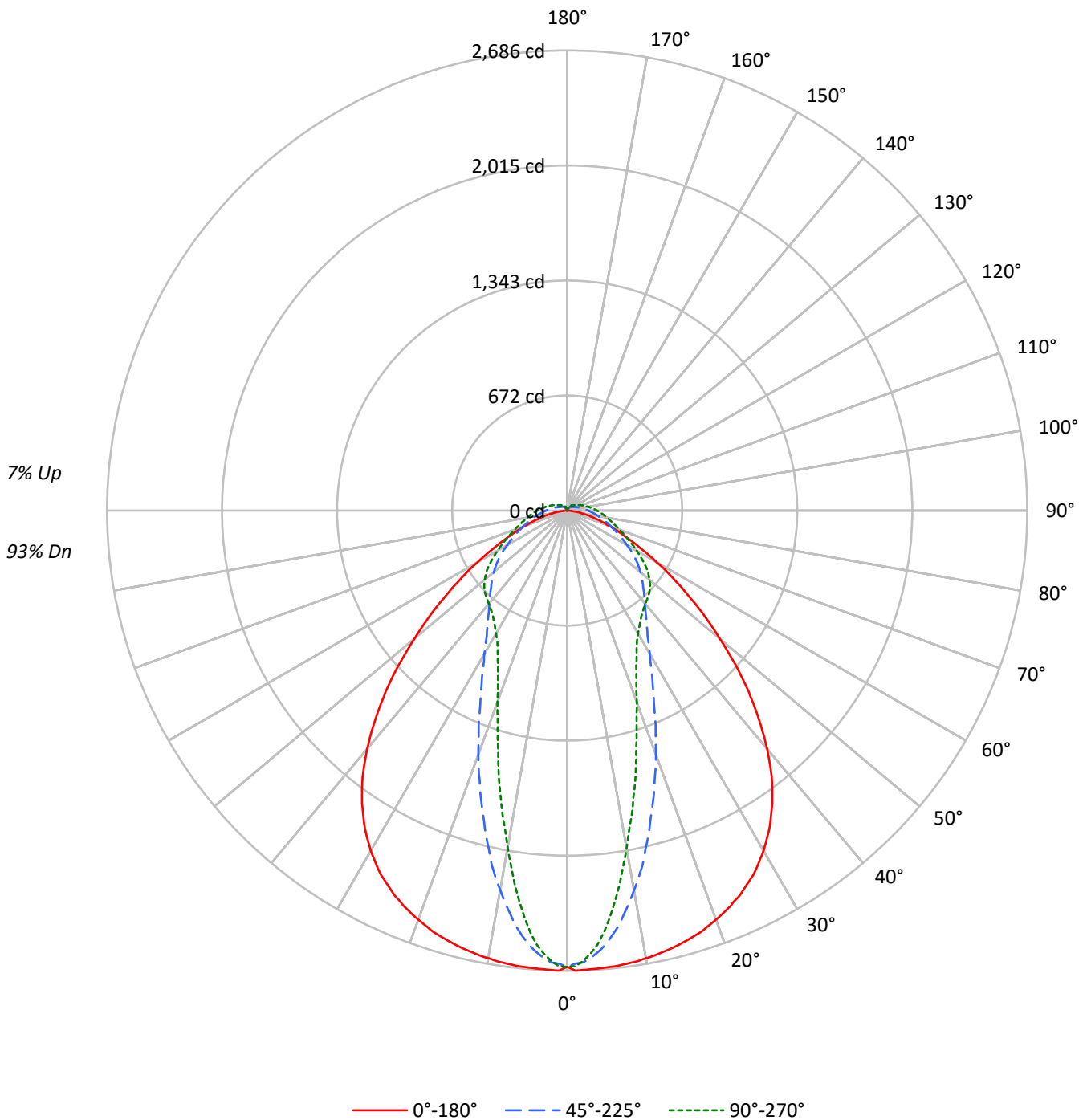
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4246.0 lumens
Efficiency: N/A
Efficacy: 132.3 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 (A_{in}): 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°	28671	28671	28671
5°	28820	26352	25218
10°	28780	22594	19565
15°	28766	18431	14664
20°	28675	14682	10974
25°	28414	11505	8709
30°	27818	9311	7429
35°	26650	7880	6758
40°	24652	6957	6397
45°	21917	6364	6199
50°	18567	5857	5856
55°	15254	5307	5348
60°	12198	4669	4691
65°	9469	4099	4082
70°	7353	3625	3611
75°	5687	3258	3290
80°	4016	2981	3059
85°	2234	2779	2933



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	235.9	5.6
10°-20°	552.9	13.0
20°-30°	656.3	15.5
30°-40°	660.3	15.6
40°-50°	613.8	14.5
50°-60°	505.4	11.9
60°-70°	356.1	8.4
70°-80°	232.7	5.5
80°-90°	148.5	3.5
90°-100°	97.4	2.3
100°-110°	66.1	1.6
110°-120°	45.3	1.1
120°-130°	31.4	0.7
130°-140°	21.1	0.5
140°-150°	13.0	0.3
150°-160°	6.8	0.2
160°-170°	2.4	0.1
170°-180°	0.4	0.0
0°-30°	1445.1	34.0
0°-40°	2105.4	49.6
0°-60°	3224.7	75.9
0°-90°	3962.0	93.3
90°-120°	208.9	4.9
90°-150°	274.4	6.5
90°-180°	284.0	6.7
0°-180°	4246.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2664	2664	2664	2664	2664	
5°	2677	2641	2546	2497	2470	255
15°	2610	2332	1876	1640	1551	737
25°	2439	1802	1195	1004	961	1122
35°	2087	1219	810	759	754	1298
45°	1500	803	628	661	679	1151
55°	861	527	485	538	556	778
65°	405	318	334	376	389	411
75°	158	165	225	265	276	171
85°	27	76	151	196	205	34
90°	0	51	122	167	174	2
95°	0	38	102	140	147	0
105°	0	27	69	98	107	0
115°	2	22	49	71	76	2
125°	2	18	40	51	56	2
135°	2	16	31	40	42	2
145°	2	11	22	31	33	1
155°	2	9	16	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°	2663.6	2663.6	2663.6	2663.6	2663.6
1°	2685.9	2674.8	2645.8	2665.9	2661.4
2°	2683.7	2672.5	2639.2	2648.1	2632.5
3°	2681.4	2665.9	2614.7	2612.5	2590.2
4°	2679.2	2654.7	2583.5	2556.8	2539.0
5°	2677.0	2641.4	2545.7	2496.7	2470.0
6°	2674.8	2625.8	2496.7	2423.3	2385.5
7°	2670.3	2601.3	2445.6	2345.4	2296.5
8°	2665.9	2579.1	2381.0	2260.9	2200.8
9°	2661.4	2550.2	2316.5	2169.6	2098.4
10°	2652.5	2521.2	2249.7	2076.2	2000.5
11°	2648.1	2487.8	2185.2	1987.2	1898.2
12°	2639.2	2452.2	2116.2	1893.7	1815.8
13°	2630.3	2414.4	2031.7	1813.6	1720.1
14°	2621.4	2374.4	1958.2	1724.6	1637.8
15°	2610.2	2332.1	1875.9	1640.0	1551.0
16°	2599.1	2283.1	1802.5	1553.2	1459.8
17°	2588.0	2236.4	1733.5	1473.1	1388.6
18°	2574.6	2189.7	1653.4	1395.2	1312.9
19°	2556.8	2136.3	1588.8	1324.0	1248.4
20°	2541.3	2087.3	1515.4	1257.3	1190.5
21°	2523.5	2027.2	1442.0	1195.0	1128.2
22.5°	2496.7	1942.7	1348.5	1117.1	1054.8
23°	2483.4	1918.2	1310.7	1088.2	1034.7
24°	2465.6	1853.6	1248.4	1043.6	990.2
25°	2438.9	1802.5	1195.0	1003.6	961.3
26°	2414.4	1740.2	1141.6	968.0	925.7
27°	2389.9	1680.1	1094.8	930.2	894.6
28°	2358.8	1617.8	1043.6	899.0	867.9
29°	2325.4	1559.9	1001.4	872.3	847.8
30°	2292.0	1495.4	965.8	847.8	827.8
32.5°	2198.6	1353.0	874.5	801.1	787.7
35°	2087.3	1219.4	810.0	758.8	754.4
37.5°	1962.7	1097.1	752.1	725.4	729.9
40°	1815.8	985.8	703.2	701.0	709.9
42.5°	1660.0	890.1	665.4	680.9	694.3
45°	1499.8	803.3	627.5	660.9	678.7
47.5°	1332.9	727.7	594.1	636.4	656.5
50°	1163.8	654.2	558.5	607.5	627.5
52.5°	1012.5	589.7	522.9	574.1	596.4
55°	861.2	527.4	485.1	538.5	556.3
57.5°	729.9	469.5	445.1	498.5	511.8
60°	607.5	413.9	405.0	454.0	469.5
62.5°	496.2	364.9	367.2	413.9	429.5
65°	405.0	318.2	333.8	376.1	389.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	329.3	273.7	300.4	344.9	356.0
70°	260.4	233.7	273.7	313.8	324.9
72.5°	206.9	198.0	247.0	289.3	298.2
75°	158.0	164.7	224.8	264.8	275.9
77.5°	113.5	138.0	202.5	244.8	253.7
80°	80.1	113.5	184.7	227.0	235.9
82.5°	51.2	93.5	166.9	211.4	220.3
85°	26.7	75.7	151.3	195.8	204.7
87.5°	11.1	62.3	135.7	180.2	189.1
90°	0.0	51.2	122.4	166.9	173.6
92.5°	0.0	44.5	111.3	153.5	160.2
95°	0.0	37.8	102.4	140.2	146.9
97.5°	0.0	35.6	91.2	129.1	135.7
100°	0.0	31.2	82.3	117.9	126.8
102.5°	0.0	28.9	75.7	106.8	115.7
105°	0.0	26.7	69.0	97.9	106.8
107.5°	0.0	24.5	64.5	91.2	97.9
110°	0.0	24.5	57.9	84.6	91.2
112.5°	2.2	22.3	53.4	75.7	82.3
115°	2.2	22.3	49.0	71.2	75.7
117.5°	2.2	22.3	46.7	64.5	69.0
120°	2.2	20.0	44.5	60.1	64.5
122.5°	2.2	20.0	42.3	55.6	57.9
125°	2.2	17.8	40.1	51.2	55.6
127.5°	2.2	17.8	37.8	49.0	51.2
130°	2.2	17.8	35.6	44.5	49.0
132.5°	2.2	15.6	33.4	42.3	44.5
135°	2.2	15.6	31.2	40.1	42.3
137.5°	2.2	13.4	28.9	37.8	40.1
140°	2.2	13.4	26.7	35.6	37.8
142.5°	2.2	11.1	24.5	33.4	35.6
145°	2.2	11.1	22.3	31.2	33.4
147.5°	2.2	11.1	20.0	28.9	31.2
150°	2.2	8.9	17.8	26.7	28.9
152.5°	2.2	8.9	15.6	24.5	26.7
155°	2.2	8.9	15.6	22.3	24.5
157.5°	2.2	6.7	13.4	17.8	22.3
160°	2.2	6.7	11.1	15.6	20.0
162.5°	2.2	6.7	11.1	13.4	15.6
165°	2.2	4.5	8.9	11.1	13.4
167.5°	2.2	4.5	6.7	8.9	11.1
170°	2.2	4.5	6.7	6.7	8.9
172.5°	2.2	4.5	4.5	4.5	4.5
175°	4.5	4.5	4.5	4.5	2.2
177.5°	4.5	4.5	4.5	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)