

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: P566479

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566479
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-L835-CD
Description: 4FT 4800 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

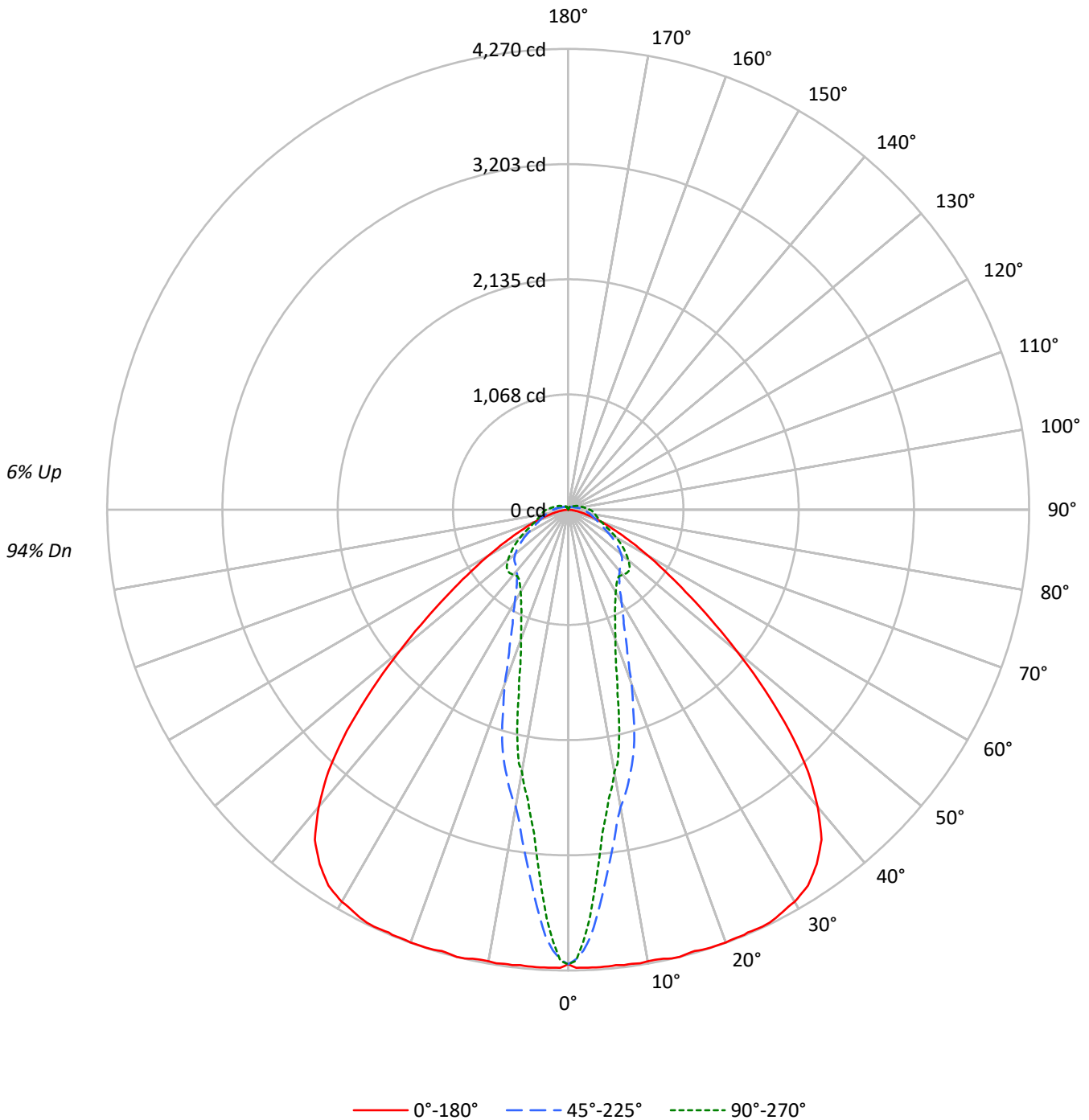
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5191.0 lumens
Efficiency: N/A
Efficacy: 161.7 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°	45329	45329	45329
5°	45737	37231	33325
10°	46096	28106	24119
15°	46938	22975	16701
20°	48148	16624	11795
25°	49650	11910	9279
30°	50918	9516	7902
35°	51221	8048	7078
40°	48831	7317	7095
45°	42375	7069	7289
50°	32510	6723	6802
55°	23559	5879	6035
60°	17093	4906	5103
65°	12441	4149	4183
70°	9166	3665	3608
75°	6511	3393	3362
80°	4267	3178	3311
85°	1999	3028	3315



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	331.2	6.4
10°-20°	719.2	13.9
20°-30°	823.2	15.9
30°-40°	824.7	15.9
40°-50°	780.7	15.0
50°-60°	598.7	11.5
60°-70°	385.9	7.4
70°-80°	246.1	4.7
80°-90°	163.4	3.1
90°-100°	109.8	2.1
100°-110°	72.4	1.4
110°-120°	50.4	1.0
120°-130°	35.1	0.7
130°-140°	24.4	0.5
140°-150°	14.9	0.3
150°-160°	7.6	0.1
160°-170°	2.9	0.1
170°-180°	0.6	0.0
0°-30°	1873.5	36.1
0°-40°	2698.2	52.0
0°-60°	4077.6	78.6
0°-90°	4873.0	93.9
90°-120°	232.6	4.5
90°-150°	307.0	5.9
90°-180°	318.0	6.1
0°-180°	5191.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4211	4211	4211	4211	4211	
5°	4248	4014	3597	3355	3264	406
15°	4259	3067	2338	1921	1766	1208
25°	4262	2171	1237	1075	1024	1965
35°	4012	1208	827	801	790	2489
45°	2900	764	697	772	798	2205
55°	1330	545	537	604	628	1223
65°	532	343	338	386	399	547
75°	181	186	234	269	282	199
85°	24	85	165	216	231	33
90°	0	58	138	192	200	1
95°	0	43	114	157	165	0
105°	0	32	74	106	114	2
115°	3	27	56	77	82	3
125°	3	24	48	56	58	2
135°	3	19	37	45	48	2
145°	3	13	27	35	37	2
155°	3	8	16	24	27	1
165°	5	5	11	13	16	1
175°	5	5	5	5	3	1
180°	5	5	5	5	5	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4211.2	4211.2	4211.2	4211.2	4211.2
1°	4245.8	4221.8	4166.0	4181.9	4179.3
2°	4245.8	4195.2	4086.2	4054.2	4006.4
3°	4248.4	4150.0	3963.8	3860.0	3793.5
4°	4248.4	4083.5	3782.9	3610.0	3524.8
5°	4248.4	4014.3	3596.7	3354.6	3264.1
6°	4243.1	3931.9	3407.8	3152.4	3016.7
7°	4251.1	3841.4	3237.5	2963.5	2857.1
8°	4248.4	3735.0	3080.6	2819.9	2702.8
9°	4256.4	3631.3	2910.3	2684.2	2596.4
10°	4248.4	3535.5	2798.6	2556.5	2466.1
11°	4248.4	3442.4	2718.8	2474.0	2396.9
12°	4253.8	3336.0	2631.0	2357.0	2250.6
13°	4267.1	3226.9	2529.9	2229.3	2104.3
14°	4269.7	3144.4	2436.8	2067.0	1936.7
15°	4259.1	3067.3	2338.4	1920.7	1766.4
16°	4253.8	2987.5	2221.3	1782.4	1644.0
17°	4264.4	2894.4	2088.3	1641.4	1513.7
18°	4267.1	2809.2	1947.3	1535.0	1423.2
19°	4267.1	2742.7	1832.9	1436.5	1340.8
20°	4267.1	2678.9	1715.9	1362.1	1279.6
21°	4261.7	2599.1	1582.9	1284.9	1215.7
22.5°	4264.4	2450.1	1431.2	1194.5	1138.6
23°	4256.4	2412.9	1394.0	1170.5	1112.0
24°	4259.1	2306.4	1314.2	1122.6	1066.8
25°	4261.7	2170.8	1237.0	1074.7	1024.2
26°	4256.4	2061.7	1173.2	1029.5	994.9
27°	4243.1	1973.9	1128.0	992.3	960.4
28°	4224.5	1856.9	1080.1	960.4	931.1
29°	4205.9	1723.8	1032.2	925.8	904.5
30°	4195.2	1617.4	987.0	899.2	880.5
32.5°	4131.4	1407.3	893.8	846.0	830.0
35°	4011.7	1207.8	827.3	800.7	790.1
37.5°	3854.7	1053.5	776.8	771.5	774.1
40°	3596.7	931.1	739.6	763.5	787.4
42.5°	3288.1	835.3	712.9	771.5	798.1
45°	2899.7	763.5	697.0	771.5	798.1
47.5°	2468.7	705.0	678.4	744.9	771.5
50°	2037.8	651.8	641.1	705.0	728.9
52.5°	1657.3	601.2	593.2	654.4	678.4
55°	1330.1	545.4	537.4	603.9	627.8
57.5°	1066.8	492.1	484.2	545.4	569.3
60°	851.3	438.9	425.6	486.8	510.8
62.5°	678.4	388.4	380.4	433.6	454.9
65°	532.1	343.2	337.9	385.7	399.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	420.3	300.6	303.3	343.2	359.1
70°	324.6	260.7	276.7	313.9	324.6
72.5°	244.7	220.8	255.4	287.3	300.6
75°	180.9	186.2	234.1	268.7	282.0
77.5°	125.0	154.3	215.5	252.7	266.0
80°	85.1	125.0	196.9	239.4	255.4
82.5°	50.5	103.8	180.9	226.1	244.7
85°	23.9	85.1	164.9	215.5	231.4
87.5°	8.0	69.2	149.0	204.8	218.1
90°	0.0	58.5	138.3	191.5	199.5
92.5°	0.0	50.5	125.0	175.6	180.9
95°	0.0	42.6	114.4	157.0	164.9
97.5°	0.0	39.9	106.4	141.0	151.6
100°	0.0	37.2	95.8	127.7	138.3
102.5°	0.0	31.9	85.1	114.4	125.0
105°	0.0	31.9	74.5	106.4	114.4
107.5°	2.7	29.3	69.2	95.8	106.4
110°	2.7	29.3	61.2	90.4	98.4
112.5°	2.7	29.3	58.5	82.5	93.1
115°	2.7	26.6	55.9	77.1	82.5
117.5°	2.7	26.6	53.2	69.2	74.5
120°	2.7	23.9	50.5	63.8	66.5
122.5°	2.7	23.9	47.9	58.5	61.2
125°	2.7	23.9	47.9	55.9	58.5
127.5°	2.7	21.3	45.2	53.2	53.2
130°	2.7	21.3	42.6	50.5	50.5
132.5°	2.7	18.6	39.9	47.9	50.5
135°	2.7	18.6	37.2	45.2	47.9
137.5°	2.7	16.0	34.6	42.6	45.2
140°	2.7	16.0	31.9	39.9	42.6
142.5°	2.7	13.3	29.3	37.2	39.9
145°	2.7	13.3	26.6	34.6	37.2
147.5°	2.7	13.3	23.9	31.9	34.6
150°	2.7	10.6	21.3	29.3	31.9
152.5°	2.7	10.6	18.6	26.6	29.3
155°	2.7	8.0	16.0	23.9	26.6
157.5°	2.7	8.0	16.0	21.3	23.9
160°	5.3	8.0	13.3	18.6	21.3
162.5°	2.7	5.3	13.3	16.0	18.6
165°	5.3	5.3	10.6	13.3	16.0
167.5°	5.3	5.3	8.0	10.6	13.3
170°	5.3	5.3	8.0	8.0	10.6
172.5°	5.3	5.3	5.3	8.0	5.3
175°	5.3	5.3	5.3	5.3	2.7
177.5°	5.3	5.3	5.3	5.3	2.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	5.3	5.3	5.3	5.3	5.3

(END OF REPORT)