

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: P566535

Luminaire Tested: **4SNX-51SL-LN-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566535
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-51SL-LN-UNV-L835-CD
Description: 4FT 5100 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

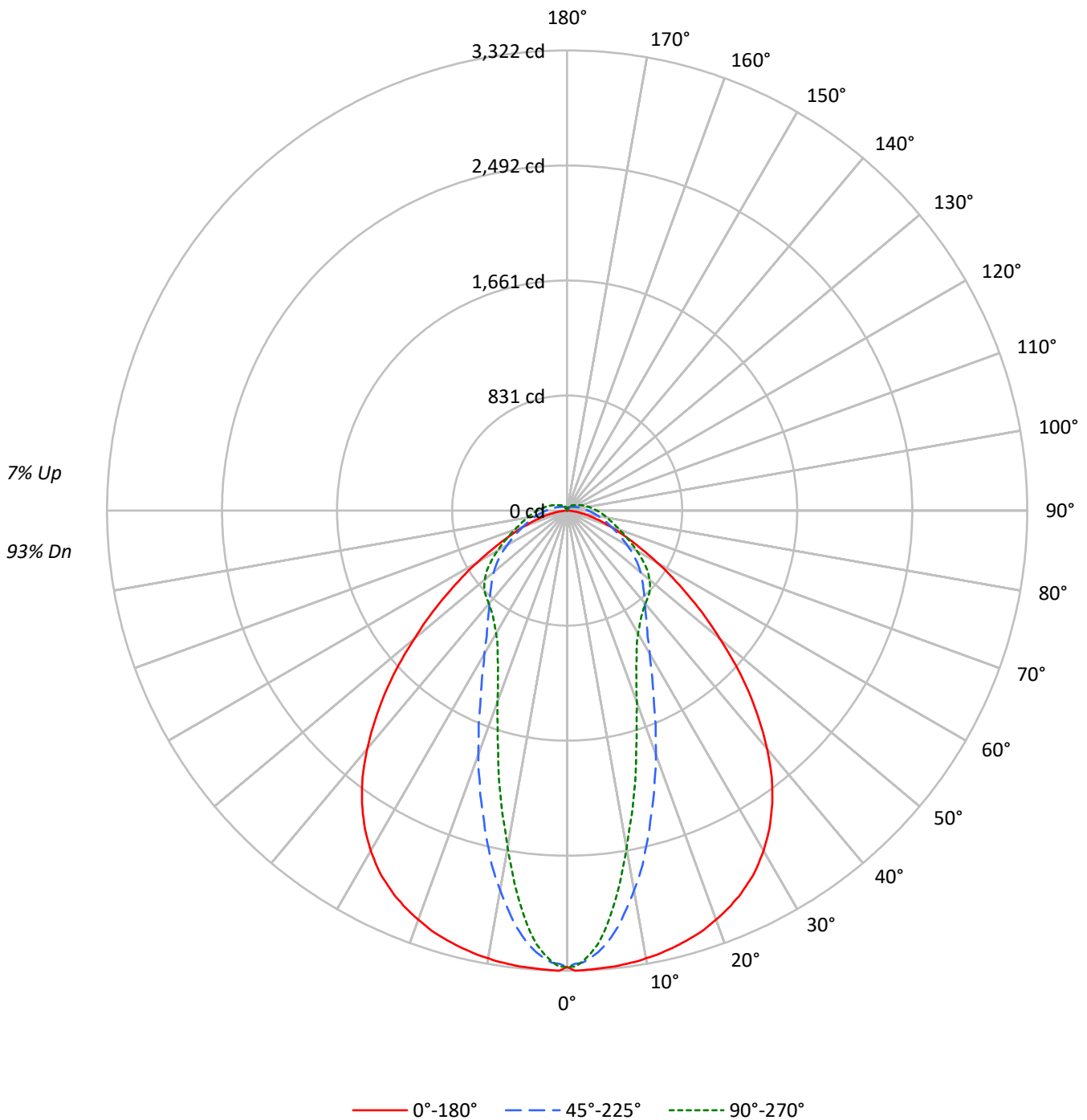
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5252.0 lumens
Efficiency: N/A
Efficacy: 150.1 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): 35
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

TEST NUMBER: P566535
CATALOG NUMBER: 4SNX-51SL-LN-UNV-L835-CD

Luminous Intensity Polar Plot





TEST NUMBER: P566535

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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°	35464	35464	35464
5°	35649	32596	31193
10°	35600	27948	24201
15°	35582	22798	18139
20°	35468	18160	13574
25°	35145	14231	10773
30°	34410	11517	9189
35°	32964	9747	8359
40°	30493	8605	7911
45°	27111	7873	7667
50°	22967	7245	7243
55°	18867	6564	6615
60°	15087	5775	5803
65°	11714	5070	5049
70°	9093	4485	4467
75°	7033	4029	4069
80°	4969	3688	3783
85°	2761	3438	3628



TEST NUMBER: P566535

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	291.8	5.6
10°-20°	683.9	13.0
20°-30°	811.8	15.5
30°-40°	816.8	15.6
40°-50°	759.2	14.5
50°-60°	625.2	11.9
60°-70°	440.5	8.4
70°-80°	287.8	5.5
80°-90°	183.8	3.5
90°-100°	120.5	2.3
100°-110°	81.8	1.6
110°-120°	56.1	1.1
120°-130°	38.8	0.7
130°-140°	26.1	0.5
140°-150°	16.1	0.3
150°-160°	8.4	0.2
160°-170°	3.0	0.1
170°-180°	0.5	0.0
0°-30°	1787.5	34.0
0°-40°	2604.3	49.6
0°-60°	3988.7	75.9
0°-90°	4900.8	93.3
90°-120°	258.4	4.9
90°-150°	339.4	6.5
90°-180°	351.0	6.7
0°-180°	5252.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3295	3295	3295	3295	3295	
5°	3311	3267	3149	3088	3055	315
15°	3229	2885	2320	2029	1918	912
25°	3017	2230	1478	1241	1189	1388
35°	2582	1508	1002	939	933	1606
45°	1855	994	776	818	840	1424
55°	1065	652	600	666	688	962
65°	501	394	413	465	482	508
75°	195	204	278	328	341	211
85°	33	94	187	242	253	42
90°	0	63	151	206	215	2
95°	0	47	127	173	182	0
105°	0	33	85	121	132	0
115°	3	28	61	88	94	2
125°	3	22	50	63	69	3
135°	3	19	38	50	52	2
145°	3	14	28	38	41	2
155°	3	11	19	28	30	1
165°	3	6	11	14	16	1
175°	6	6	6	6	3	0
180°	3	3	3	3	3	



TEST NUMBER: P566535

CATALOG NUMBER: 4SNX-51SL-LN-UNV-L835-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3294.7	3294.7	3294.7	3294.7	3294.7
1°	3322.3	3308.5	3272.7	3297.5	3292.0
2°	3319.5	3305.7	3264.5	3275.5	3256.2
3°	3316.8	3297.5	3234.2	3231.4	3203.9
4°	3314.0	3283.7	3195.6	3162.6	3140.6
5°	3311.3	3267.2	3148.9	3088.3	3055.3
6°	3308.5	3247.9	3088.3	2997.5	2950.7
7°	3303.0	3217.7	3025.0	2901.1	2840.6
8°	3297.5	3190.1	2945.2	2796.5	2722.2
9°	3292.0	3154.4	2865.3	2683.7	2595.6
10°	3281.0	3118.6	2782.8	2568.1	2474.5
11°	3275.5	3077.3	2703.0	2458.0	2347.9
12°	3264.5	3033.2	2617.6	2342.4	2246.0
13°	3253.4	2986.5	2513.0	2243.3	2127.7
14°	3242.4	2936.9	2422.2	2133.2	2025.8
15°	3228.7	2884.6	2320.4	2028.6	1918.5
16°	3214.9	2824.1	2229.5	1921.2	1805.6
17°	3201.2	2766.3	2144.2	1822.2	1717.6
18°	3184.6	2708.5	2045.1	1725.8	1624.0
19°	3162.6	2642.4	1965.3	1637.7	1544.1
20°	3143.3	2581.8	1874.4	1555.2	1472.6
21°	3121.3	2507.5	1783.6	1478.1	1395.5
22.5°	3088.3	2402.9	1668.0	1381.8	1304.7
23°	3071.8	2372.7	1621.2	1346.0	1279.9
24°	3049.8	2292.8	1544.1	1290.9	1224.9
25°	3016.7	2229.5	1478.1	1241.4	1189.1
26°	2986.5	2152.5	1412.0	1197.3	1145.0
27°	2956.2	2078.1	1354.2	1150.5	1106.5
28°	2917.6	2001.1	1290.9	1112.0	1073.5
29°	2876.4	1929.5	1238.6	1079.0	1048.7
30°	2835.1	1849.7	1194.6	1048.7	1023.9
32.5°	2719.5	1673.5	1081.7	990.9	974.4
35°	2581.8	1508.4	1001.9	938.6	933.1
37.5°	2427.7	1357.0	930.3	897.3	902.8
40°	2246.0	1219.4	869.8	867.0	878.0
42.5°	2053.4	1101.0	823.0	842.3	858.8
45°	1855.2	993.7	776.2	817.5	839.5
47.5°	1648.7	900.1	734.9	787.2	812.0
50°	1439.6	809.2	690.9	751.4	776.2
52.5°	1252.4	729.4	646.8	710.1	737.7
55°	1065.2	652.3	600.0	666.1	688.1
57.5°	902.8	580.8	550.5	616.6	633.1
60°	751.4	512.0	501.0	561.5	580.8
62.5°	613.8	451.4	454.2	512.0	531.2
65°	501.0	393.6	412.9	465.2	481.7



TEST NUMBER: P566535

CATALOG NUMBER: 4SNX-51SL-LN-UNV-L835-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	407.4	338.6	371.6	426.6	440.4
70°	322.0	289.0	338.6	388.1	401.9
72.5°	256.0	245.0	305.5	357.8	368.8
75°	195.4	203.7	278.0	327.5	341.3
77.5°	140.4	170.7	250.5	302.8	313.8
80°	99.1	140.4	228.5	280.8	291.8
82.5°	63.3	115.6	206.4	261.5	272.5
85°	33.0	93.6	187.2	242.2	253.2
87.5°	13.8	77.1	167.9	223.0	234.0
90°	0.0	63.3	151.4	206.4	214.7
92.5°	0.0	55.0	137.6	189.9	198.2
95°	0.0	46.8	126.6	173.4	181.7
97.5°	0.0	44.0	112.9	159.6	167.9
100°	0.0	38.5	101.8	145.9	156.9
102.5°	0.0	35.8	93.6	132.1	143.1
105°	0.0	33.0	85.3	121.1	132.1
107.5°	0.0	30.3	79.8	112.9	121.1
110°	0.0	30.3	71.6	104.6	112.9
112.5°	2.8	27.5	66.1	93.6	101.8
115°	2.8	27.5	60.6	88.1	93.6
117.5°	2.8	27.5	57.8	79.8	85.3
120°	2.8	24.8	55.0	74.3	79.8
122.5°	2.8	24.8	52.3	68.8	71.6
125°	2.8	22.0	49.5	63.3	68.8
127.5°	2.8	22.0	46.8	60.6	63.3
130°	2.8	22.0	44.0	55.0	60.6
132.5°	2.8	19.3	41.3	52.3	55.0
135°	2.8	19.3	38.5	49.5	52.3
137.5°	2.8	16.5	35.8	46.8	49.5
140°	2.8	16.5	33.0	44.0	46.8
142.5°	2.8	13.8	30.3	41.3	44.0
145°	2.8	13.8	27.5	38.5	41.3
147.5°	2.8	13.8	24.8	35.8	38.5
150°	2.8	11.0	22.0	33.0	35.8
152.5°	2.8	11.0	19.3	30.3	33.0
155°	2.8	11.0	19.3	27.5	30.3
157.5°	2.8	8.3	16.5	22.0	27.5
160°	2.8	8.3	13.8	19.3	24.8
162.5°	2.8	8.3	13.8	16.5	19.3
165°	2.8	5.5	11.0	13.8	16.5
167.5°	2.8	5.5	8.3	11.0	13.8
170°	2.8	5.5	8.3	8.3	11.0
172.5°	2.8	5.5	5.5	5.5	5.5
175°	5.5	5.5	5.5	5.5	2.8
177.5°	5.5	5.5	5.5	2.8	2.8



TEST NUMBER: P566535

CATALOG NUMBER: 4SNX-51SL-LN-UNV-L835-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	2.8	2.8	2.8	2.8	2.8

(END OF REPORT)