

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: P566580

Luminaire Tested: **4SNX-57SL-LC-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566580
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-57SL-LC-UNV-L940-CD
Description: 4FT 5700 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

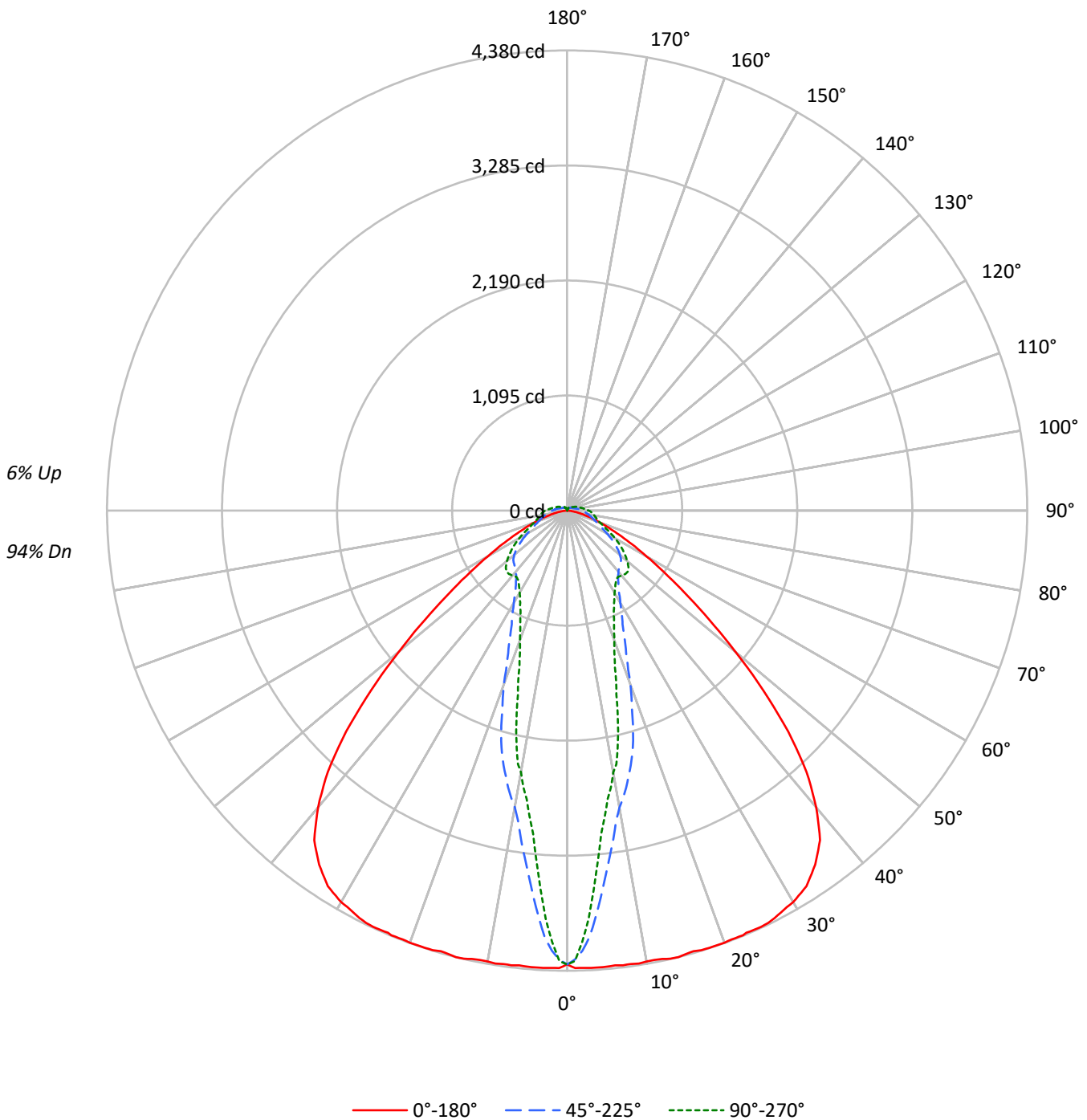
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5325.0 lumens
Efficiency: N/A
Efficacy: 134.1 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): 39.7
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	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°	46499	46499	46499
5°	46918	38192	34186
10°	47286	28831	24741
15°	48149	23567	17132
20°	49391	17054	12100
25°	50932	12218	9519
30°	52232	9761	8107
35°	52542	8256	7261
40°	50091	7505	7279
45°	43468	7252	7478
50°	33349	6897	6977
55°	24168	6030	6191
60°	17535	5033	5235
65°	12761	4256	4291
70°	9401	3759	3700
75°	6680	3480	3449
80°	4377	3259	3397
85°	2058	3107	3401



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	339.7	6.4
10°-20°	737.7	13.9
20°-30°	844.4	15.9
30°-40°	845.9	15.9
40°-50°	800.8	15.0
50°-60°	614.2	11.5
60°-70°	395.9	7.4
70°-80°	252.4	4.7
80°-90°	167.6	3.1
90°-100°	112.7	2.1
100°-110°	74.2	1.4
110°-120°	51.6	1.0
120°-130°	36.0	0.7
130°-140°	25.0	0.5
140°-150°	15.3	0.3
150°-160°	7.8	0.1
160°-170°	3.0	0.1
170°-180°	0.6	0.0
0°-30°	1921.9	36.1
0°-40°	2767.8	52.0
0°-60°	4182.8	78.6
0°-90°	4998.7	93.9
90°-120°	238.6	4.5
90°-150°	314.9	5.9
90°-180°	326.0	6.1
0°-180°	5325.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4320	4320	4320	4320	4320	
5°	4358	4118	3690	3441	3348	416
15°	4369	3146	2399	1970	1812	1239
25°	4372	2227	1269	1102	1051	2015
35°	4115	1239	849	821	810	2553
45°	2974	783	715	791	819	2262
55°	1364	559	551	620	644	1255
65°	546	352	347	396	409	561
75°	186	191	240	276	289	204
85°	25	87	169	221	237	34
90°	0	60	142	196	205	1
95°	0	44	117	161	169	0
105°	0	33	76	109	117	2
115°	3	27	57	79	85	3
125°	3	25	49	57	60	2
135°	3	19	38	46	49	2
145°	3	14	27	36	38	2
155°	3	8	16	25	27	1
165°	6	6	11	14	16	1
175°	6	6	6	6	3	1
180°	6	6	6	6	6	



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CATALOG NUMBER: 4SNX-57SL-LC-UNV-L940-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4319.9	4319.9	4319.9	4319.9	4319.9
1°	4355.4	4330.8	4273.5	4289.9	4287.2
2°	4355.4	4303.5	4191.6	4158.9	4109.8
3°	4358.1	4257.1	4066.1	3959.7	3891.5
4°	4358.1	4188.9	3880.5	3703.2	3615.8
5°	4358.1	4118.0	3689.5	3441.2	3348.4
6°	4352.6	4033.4	3495.8	3233.8	3094.6
7°	4360.8	3940.6	3321.1	3040.0	2930.9
8°	4358.1	3831.4	3160.1	2892.7	2772.6
9°	4366.3	3725.0	2985.5	2753.5	2663.4
10°	4358.1	3626.7	2870.8	2622.5	2529.7
11°	4358.1	3531.2	2789.0	2537.9	2458.8
12°	4363.6	3422.1	2698.9	2417.8	2308.7
13°	4377.2	3310.2	2595.2	2286.8	2158.6
14°	4379.9	3225.6	2499.7	2120.4	1986.7
15°	4369.0	3146.5	2398.7	1970.3	1812.0
16°	4363.6	3064.6	2278.7	1828.4	1686.5
17°	4374.5	2969.1	2142.2	1683.8	1552.8
18°	4377.2	2881.8	1997.6	1574.6	1460.0
19°	4377.2	2813.5	1880.2	1473.6	1375.4
20°	4377.2	2748.0	1760.2	1397.2	1312.6
21°	4371.7	2666.2	1623.7	1318.1	1247.1
22.5°	4374.5	2513.3	1468.2	1225.3	1168.0
23°	4366.3	2475.1	1430.0	1200.7	1140.7
24°	4369.0	2366.0	1348.1	1151.6	1094.3
25°	4371.7	2226.8	1269.0	1102.5	1050.6
26°	4366.3	2114.9	1203.5	1056.1	1020.6
27°	4352.6	2024.9	1157.1	1017.9	985.1
28°	4333.5	1904.8	1107.9	985.1	955.1
29°	4314.4	1768.3	1058.8	949.7	927.8
30°	4303.5	1659.2	1012.4	922.4	903.3
32.5°	4238.0	1443.6	916.9	867.8	851.4
35°	4115.2	1238.9	848.7	821.4	810.5
37.5°	3954.2	1080.7	796.8	791.4	794.1
40°	3689.5	955.1	758.6	783.2	807.8
42.5°	3373.0	856.9	731.4	791.4	818.7
45°	2974.5	783.2	715.0	791.4	818.7
47.5°	2532.4	723.2	695.9	764.1	791.4
50°	2090.4	668.6	657.7	723.2	747.7
52.5°	1700.1	616.7	608.6	671.3	695.9
55°	1364.5	559.4	551.2	619.5	644.0
57.5°	1094.3	504.9	496.7	559.4	584.0
60°	873.3	450.3	436.6	499.4	524.0
62.5°	695.9	398.4	390.2	444.8	466.6
65°	545.8	352.0	346.6	395.7	409.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	431.2	308.4	311.1	352.0	368.4
70°	332.9	267.4	283.8	322.0	332.9
72.5°	251.1	226.5	262.0	294.7	308.4
75°	185.6	191.0	240.1	275.6	289.3
77.5°	128.3	158.3	221.0	259.2	272.9
80°	87.3	128.3	201.9	245.6	262.0
82.5°	51.8	106.4	185.6	232.0	251.1
85°	24.6	87.3	169.2	221.0	237.4
87.5°	8.2	71.0	152.8	210.1	223.8
90°	0.0	60.0	141.9	196.5	204.7
92.5°	0.0	51.8	128.3	180.1	185.6
95°	0.0	43.7	117.3	161.0	169.2
97.5°	0.0	40.9	109.2	144.6	155.5
100°	0.0	38.2	98.2	131.0	141.9
102.5°	0.0	32.7	87.3	117.3	128.3
105°	0.0	32.7	76.4	109.2	117.3
107.5°	2.7	30.0	71.0	98.2	109.2
110°	2.7	30.0	62.8	92.8	101.0
112.5°	2.7	30.0	60.0	84.6	95.5
115°	2.7	27.3	57.3	79.1	84.6
117.5°	2.7	27.3	54.6	71.0	76.4
120°	2.7	24.6	51.8	65.5	68.2
122.5°	2.7	24.6	49.1	60.0	62.8
125°	2.7	24.6	49.1	57.3	60.0
127.5°	2.7	21.8	46.4	54.6	54.6
130°	2.7	21.8	43.7	51.8	51.8
132.5°	2.7	19.1	40.9	49.1	51.8
135°	2.7	19.1	38.2	46.4	49.1
137.5°	2.7	16.4	35.5	43.7	46.4
140°	2.7	16.4	32.7	40.9	43.7
142.5°	2.7	13.6	30.0	38.2	40.9
145°	2.7	13.6	27.3	35.5	38.2
147.5°	2.7	13.6	24.6	32.7	35.5
150°	2.7	10.9	21.8	30.0	32.7
152.5°	2.7	10.9	19.1	27.3	30.0
155°	2.7	8.2	16.4	24.6	27.3
157.5°	2.7	8.2	16.4	21.8	24.6
160°	5.5	8.2	13.6	19.1	21.8
162.5°	2.7	5.5	13.6	16.4	19.1
165°	5.5	5.5	10.9	13.6	16.4
167.5°	5.5	5.5	8.2	10.9	13.6
170°	5.5	5.5	8.2	8.2	10.9
172.5°	5.5	5.5	5.5	8.2	5.5
175°	5.5	5.5	5.5	5.5	2.7
177.5°	5.5	5.5	5.5	5.5	2.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	5.5	5.5	5.5	5.5	5.5

(END OF REPORT)