

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: P566574

Luminaire Tested: **4SNX-57SL-LC-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566574
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-L830-CD
Description: 4FT 5700 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

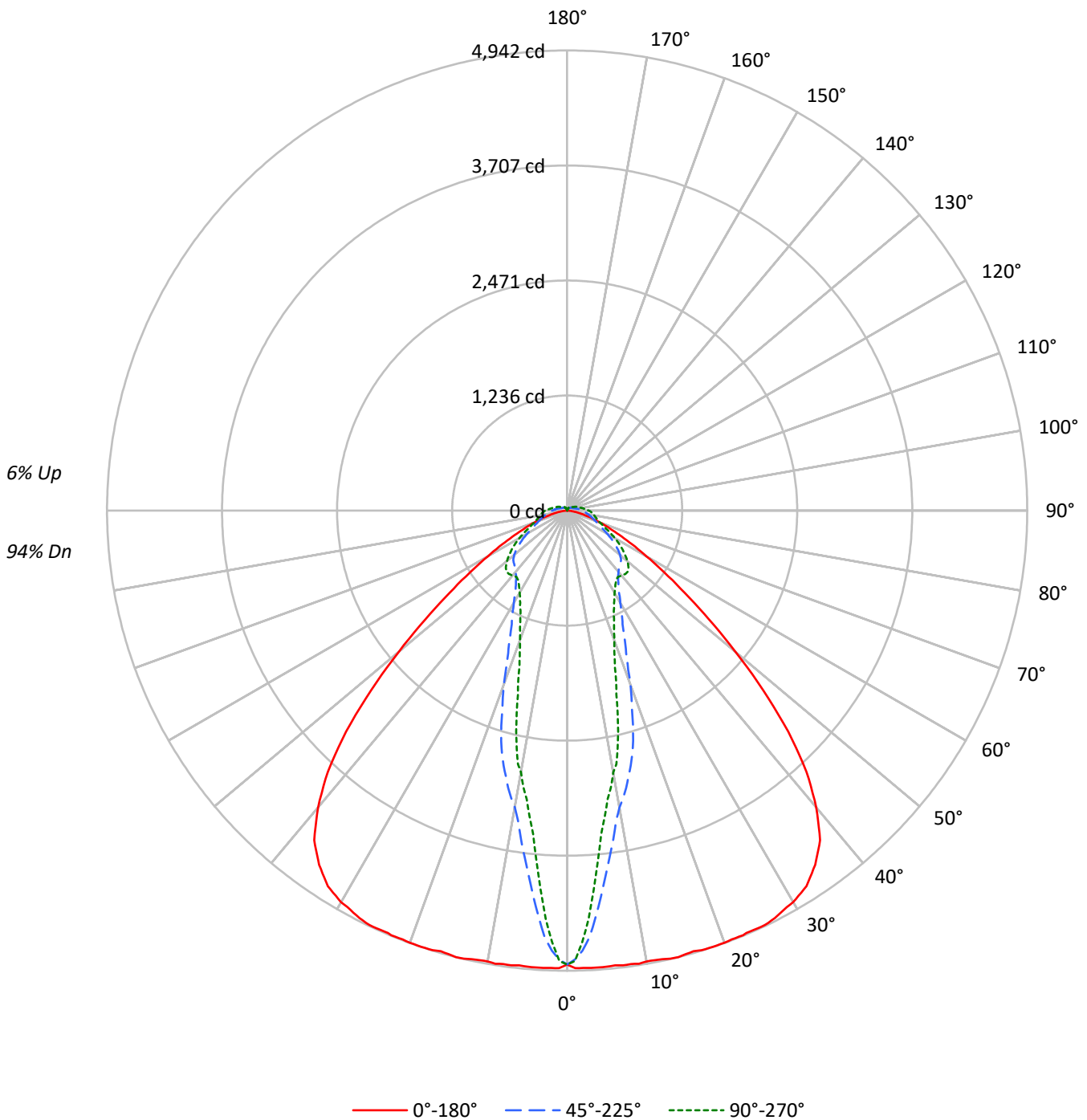
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6009.0 lumens
Efficiency: N/A
Efficacy: 151.4 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 (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°	52472	52472	52472
5°	52945	43097	38577
10°	53360	32535	27920
15°	54334	26594	19333
20°	55735	19244	13654
25°	57474	13787	10742
30°	58941	11015	9148
35°	59291	9317	8193
40°	56525	8470	8213
45°	49052	8183	8437
50°	37633	7783	7874
55°	27272	6806	6987
60°	19786	5680	5908
65°	14400	4803	4842
70°	10609	4242	4176
75°	7537	3928	3892
80°	4939	3678	3833
85°	2317	3506	3838



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	383.4	6.4
10°-20°	832.5	13.9
20°-30°	952.9	15.9
30°-40°	954.6	15.9
40°-50°	903.7	15.0
50°-60°	693.0	11.5
60°-70°	446.7	7.4
70°-80°	284.9	4.7
80°-90°	189.2	3.1
90°-100°	127.1	2.1
100°-110°	83.8	1.4
110°-120°	58.3	1.0
120°-130°	40.6	0.7
130°-140°	28.2	0.5
140°-150°	17.3	0.3
150°-160°	8.8	0.1
160°-170°	3.4	0.1
170°-180°	0.7	0.0
0°-30°	2168.8	36.1
0°-40°	3123.4	52.0
0°-60°	4720.1	78.5
0°-90°	5640.8	93.9
90°-120°	269.2	4.5
90°-150°	355.4	5.9
90°-180°	368.0	6.1
0°-180°	6009.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4875	4875	4875	4875	4875	
5°	4918	4647	4163	3883	3778	470
15°	4930	3551	2707	2223	2045	1398
25°	4933	2513	1432	1244	1186	2274
35°	4644	1398	958	927	915	2881
45°	3357	884	807	893	924	2552
55°	1540	631	622	699	727	1416
65°	616	397	391	446	462	634
75°	209	216	271	311	326	230
85°	28	98	191	249	268	38
90°	0	68	160	222	231	1
95°	0	49	132	182	191	0
105°	0	37	86	123	132	2
115°	3	31	65	89	96	3
125°	3	28	55	65	68	3
135°	3	22	43	52	55	2
145°	3	15	31	40	43	2
155°	3	9	18	28	31	2
165°	6	6	12	15	18	2
175°	6	6	6	6	3	1
180°	6	6	6	6	6	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4874.8	4874.8	4874.8	4874.8	4874.8
1°	4914.8	4887.1	4822.4	4840.9	4837.8
2°	4914.8	4856.3	4730.1	4693.1	4637.7
3°	4917.9	4804.0	4588.4	4468.3	4391.3
4°	4917.9	4727.0	4379.0	4178.8	4080.3
5°	4917.9	4646.9	4163.4	3883.2	3778.5
6°	4911.7	4551.4	3944.8	3649.2	3492.1
7°	4921.0	4446.7	3747.7	3430.5	3307.3
8°	4917.9	4323.6	3566.0	3264.2	3128.7
9°	4927.1	4203.5	3368.9	3107.2	3005.6
10°	4917.9	4092.6	3239.6	2959.4	2854.7
11°	4917.9	3984.8	3147.2	2863.9	2774.6
12°	4924.1	3861.6	3045.6	2728.4	2605.2
13°	4939.5	3735.4	2928.6	2580.6	2435.9
14°	4942.5	3639.9	2820.8	2392.7	2241.9
15°	4930.2	3550.6	2706.8	2223.4	2044.8
16°	4924.1	3458.2	2571.4	2063.2	1903.1
17°	4936.4	3350.5	2417.4	1900.0	1752.2
18°	4939.5	3251.9	2254.2	1776.9	1647.5
19°	4939.5	3174.9	2121.8	1662.9	1552.1
20°	4939.5	3101.0	1986.3	1576.7	1481.2
21°	4933.3	3008.6	1832.3	1487.4	1407.3
22.5°	4936.4	2836.2	1656.8	1382.7	1318.0
23°	4927.1	2793.1	1613.6	1355.0	1287.2
24°	4930.2	2669.9	1521.3	1299.5	1234.9
25°	4933.3	2512.8	1432.0	1244.1	1185.6
26°	4927.1	2386.6	1358.0	1191.8	1151.7
27°	4911.7	2285.0	1305.7	1148.6	1111.7
28°	4890.2	2149.5	1250.3	1111.7	1077.8
29°	4868.6	1995.5	1194.8	1071.7	1047.0
30°	4856.3	1872.3	1142.5	1040.9	1019.3
32.5°	4782.4	1629.0	1034.7	979.3	960.8
35°	4643.8	1398.1	957.7	926.9	914.6
37.5°	4462.1	1219.5	899.2	893.0	896.1
40°	4163.4	1077.8	856.1	883.8	911.5
42.5°	3806.2	967.0	825.3	893.0	923.8
45°	3356.6	883.8	806.8	893.0	923.8
47.5°	2857.7	816.1	785.3	862.3	893.0
50°	2358.9	754.5	742.2	816.1	843.8
52.5°	1918.5	696.0	686.7	757.5	785.3
55°	1539.7	631.3	622.1	699.0	726.8
57.5°	1234.9	569.7	560.5	631.3	659.0
60°	985.4	508.1	492.7	563.5	591.3
62.5°	785.3	449.6	440.4	502.0	526.6
65°	615.9	397.3	391.1	446.5	461.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	486.6	348.0	351.1	397.3	415.7
70°	375.7	301.8	320.3	363.4	375.7
72.5°	283.3	255.6	295.6	332.6	348.0
75°	209.4	215.6	271.0	311.0	326.4
77.5°	144.7	178.6	249.4	292.5	307.9
80°	98.5	144.7	227.9	277.2	295.6
82.5°	58.5	120.1	209.4	261.8	283.3
85°	27.7	98.5	190.9	249.4	267.9
87.5°	9.2	80.1	172.5	237.1	252.5
90°	0.0	67.7	160.1	221.7	231.0
92.5°	0.0	58.5	144.7	203.2	209.4
95°	0.0	49.3	132.4	181.7	190.9
97.5°	0.0	46.2	123.2	163.2	175.5
100°	0.0	43.1	110.9	147.8	160.1
102.5°	0.0	37.0	98.5	132.4	144.7
105°	0.0	37.0	86.2	123.2	132.4
107.5°	3.1	33.9	80.1	110.9	123.2
110°	3.1	33.9	70.8	104.7	113.9
112.5°	3.1	33.9	67.7	95.5	107.8
115°	3.1	30.8	64.7	89.3	95.5
117.5°	3.1	30.8	61.6	80.1	86.2
120°	3.1	27.7	58.5	73.9	77.0
122.5°	3.1	27.7	55.4	67.7	70.8
125°	3.1	27.7	55.4	64.7	67.7
127.5°	3.1	24.6	52.4	61.6	61.6
130°	3.1	24.6	49.3	58.5	58.5
132.5°	3.1	21.6	46.2	55.4	58.5
135°	3.1	21.6	43.1	52.4	55.4
137.5°	3.1	18.5	40.0	49.3	52.4
140°	3.1	18.5	37.0	46.2	49.3
142.5°	3.1	15.4	33.9	43.1	46.2
145°	3.1	15.4	30.8	40.0	43.1
147.5°	3.1	15.4	27.7	37.0	40.0
150°	3.1	12.3	24.6	33.9	37.0
152.5°	3.1	12.3	21.6	30.8	33.9
155°	3.1	9.2	18.5	27.7	30.8
157.5°	3.1	9.2	18.5	24.6	27.7
160°	6.2	9.2	15.4	21.6	24.6
162.5°	3.1	6.2	15.4	18.5	21.6
165°	6.2	6.2	12.3	15.4	18.5
167.5°	6.2	6.2	9.2	12.3	15.4
170°	6.2	6.2	9.2	9.2	12.3
172.5°	6.2	6.2	6.2	9.2	6.2
175°	6.2	6.2	6.2	6.2	3.1
177.5°	6.2	6.2	6.2	6.2	3.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	6.2	6.2	6.2	6.2	6.2

(END OF REPORT)