

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: P566624

Luminaire Tested: **4SNX-60SL-LC-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566624
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-60SL-LC-UNV-L840-CD
Description: 4FT 6000 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

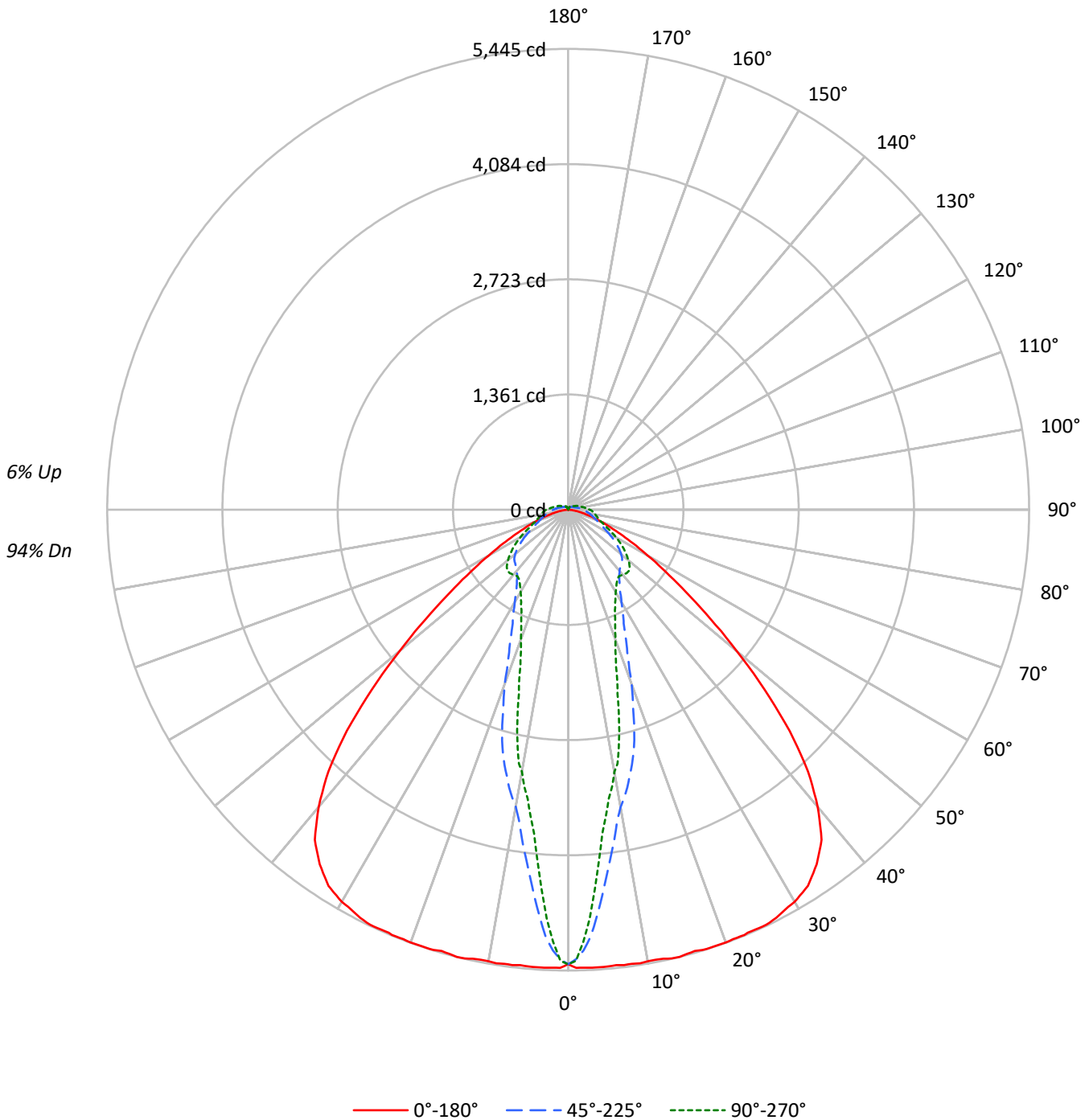
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6620.0 lumens
Efficiency: N/A
Efficacy: 157.6 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): 42
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: P566624
CATALOG NUMBER: 4SNX-60SL-LC-UNV-L840-CD

Luminous Intensity Polar Plot





TEST NUMBER: P566624

CATALOG NUMBER: 4SNX-60SL-LC-UNV-L840-CD

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	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°	57808	57808	57808
5°	58329	47480	42499
10°	58787	35843	30758
15°	59858	29299	21299
20°	61402	21200	15042
25°	63318	15189	11833
30°	64935	12134	10078
35°	65320	10264	9026
40°	62273	9330	9048
45°	54039	9016	9296
50°	41458	8574	8675
55°	30045	7497	7697
60°	21797	6257	6508
65°	15864	5291	5335
70°	11688	4673	4600
75°	8303	4327	4288
80°	5445	4053	4223
85°	2552	3862	4229



TEST NUMBER: P566624

CATALOG NUMBER: 4SNX-60SL-LC-UNV-L840-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	422.3	6.4
10°-20°	917.1	13.9
20°-30°	1049.8	15.9
30°-40°	1051.7	15.9
40°-50°	995.6	15.0
50°-60°	763.5	11.5
60°-70°	492.1	7.4
70°-80°	313.8	4.7
80°-90°	208.4	3.1
90°-100°	140.1	2.1
100°-110°	92.3	1.4
110°-120°	64.2	1.0
120°-130°	44.8	0.7
130°-140°	31.1	0.5
140°-150°	19.0	0.3
150°-160°	9.7	0.1
160°-170°	3.7	0.1
170°-180°	0.7	0.0
0°-30°	2389.3	36.1
0°-40°	3441.0	52.0
0°-60°	5200.0	78.6
0°-90°	6214.4	93.9
90°-120°	296.6	4.5
90°-150°	391.5	5.9
90°-180°	406.0	6.1
0°-180°	6620.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5370	5370	5370	5370	5370	
5°	5418	5119	4587	4278	4163	517
15°	5432	3912	2982	2449	2253	1541
25°	5435	2768	1578	1371	1306	2505
35°	5116	1540	1055	1021	1008	3174
45°	3698	974	889	984	1018	2812
55°	1696	696	685	770	801	1560
65°	678	438	431	492	509	698
75°	231	238	298	343	360	254
85°	30	109	210	275	295	42
90°	0	75	176	244	254	1
95°	0	54	146	200	210	0
105°	0	41	95	136	146	2
115°	3	34	71	98	105	3
125°	3	30	61	71	75	3
135°	3	24	48	58	61	3
145°	3	17	34	44	48	2
155°	3	10	20	30	34	2
165°	7	7	14	17	20	2
175°	7	7	7	7	3	1
180°	7	7	7	7	7	



TEST NUMBER: P566624

CATALOG NUMBER: 4SNX-60SL-LC-UNV-L840-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5370.5	5370.5	5370.5	5370.5	5370.5
1°	5414.6	5384.0	5312.8	5333.1	5329.8
2°	5414.6	5350.1	5211.0	5170.3	5109.2
3°	5418.0	5292.4	5055.0	4922.6	4837.8
4°	5418.0	5207.6	4824.3	4603.7	4495.2
5°	5418.0	5119.4	4586.8	4278.1	4162.7
6°	5411.2	5014.2	4345.9	4020.2	3847.2
7°	5421.4	4898.9	4128.8	3779.3	3643.6
8°	5418.0	4763.2	3928.6	3596.1	3446.9
9°	5428.1	4630.9	3711.5	3423.1	3311.2
10°	5418.0	4508.7	3569.0	3260.3	3144.9
11°	5418.0	4390.0	3467.2	3155.1	3056.7
12°	5424.7	4254.3	3355.3	3005.8	2870.1
13°	5441.7	4115.2	3226.4	2843.0	2683.5
14°	5445.1	4010.0	3107.6	2636.0	2469.8
15°	5431.5	3911.7	2982.1	2449.4	2252.7
16°	5424.7	3809.9	2832.8	2273.0	2096.6
17°	5438.3	3691.1	2663.2	2093.2	1930.4
18°	5441.7	3582.6	2483.4	1957.5	1815.0
19°	5441.7	3497.8	2337.5	1832.0	1709.9
20°	5441.7	3416.3	2188.2	1737.0	1631.8
21°	5434.9	3314.6	2018.6	1638.6	1550.4
22.5°	5438.3	3124.6	1825.2	1523.3	1452.0
23°	5428.1	3077.1	1777.7	1492.7	1418.1
24°	5431.5	2941.4	1675.9	1431.7	1360.4
25°	5434.9	2768.4	1577.6	1370.6	1306.1
26°	5428.1	2629.3	1496.1	1312.9	1268.8
27°	5411.2	2517.3	1438.5	1265.4	1224.7
28°	5387.4	2368.0	1377.4	1224.7	1187.4
29°	5363.7	2198.4	1316.3	1180.6	1153.5
30°	5350.1	2062.7	1258.6	1146.7	1122.9
32.5°	5268.7	1794.7	1139.9	1078.8	1058.5
35°	5116.0	1540.2	1055.1	1021.2	1007.6
37.5°	4915.9	1343.5	990.6	983.9	987.2
40°	4586.8	1187.4	943.1	973.7	1004.2
42.5°	4193.2	1065.3	909.2	983.9	1017.8
45°	3697.9	973.7	888.9	983.9	1017.8
47.5°	3148.3	899.0	865.1	949.9	983.9
50°	2598.7	831.2	817.6	899.0	929.6
52.5°	2113.6	766.7	756.5	834.6	865.1
55°	1696.3	695.5	685.3	770.1	800.7
57.5°	1360.4	627.6	617.5	695.5	726.0
60°	1085.6	559.8	542.8	620.8	651.4
62.5°	865.1	495.3	485.1	553.0	580.1
65°	678.5	437.6	430.9	491.9	508.9



TEST NUMBER: P566624

CATALOG NUMBER: 4SNX-60SL-LC-UNV-L840-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	536.0	383.4	386.8	437.6	458.0
70°	413.9	332.5	352.8	400.3	413.9
72.5°	312.1	281.6	325.7	366.4	383.4
75°	230.7	237.5	298.5	342.7	359.6
77.5°	159.5	196.8	274.8	322.3	339.3
80°	108.6	159.5	251.1	305.3	325.7
82.5°	64.5	132.3	230.7	288.4	312.1
85°	30.5	108.6	210.3	274.8	295.2
87.5°	10.2	88.2	190.0	261.2	278.2
90°	0.0	74.6	176.4	244.3	254.4
92.5°	0.0	64.5	159.5	223.9	230.7
95°	0.0	54.3	145.9	200.2	210.3
97.5°	0.0	50.9	135.7	179.8	193.4
100°	0.0	47.5	122.1	162.8	176.4
102.5°	0.0	40.7	108.6	145.9	159.5
105°	0.0	40.7	95.0	135.7	145.9
107.5°	3.4	37.3	88.2	122.1	135.7
110°	3.4	37.3	78.0	115.3	125.5
112.5°	3.4	37.3	74.6	105.2	118.7
115°	3.4	33.9	71.2	98.4	105.2
117.5°	3.4	33.9	67.9	88.2	95.0
120°	3.4	30.5	64.5	81.4	84.8
122.5°	3.4	30.5	61.1	74.6	78.0
125°	3.4	30.5	61.1	71.2	74.6
127.5°	3.4	27.1	57.7	67.9	67.9
130°	3.4	27.1	54.3	64.5	64.5
132.5°	3.4	23.7	50.9	61.1	64.5
135°	3.4	23.7	47.5	57.7	61.1
137.5°	3.4	20.4	44.1	54.3	57.7
140°	3.4	20.4	40.7	50.9	54.3
142.5°	3.4	17.0	37.3	47.5	50.9
145°	3.4	17.0	33.9	44.1	47.5
147.5°	3.4	17.0	30.5	40.7	44.1
150°	3.4	13.6	27.1	37.3	40.7
152.5°	3.4	13.6	23.7	33.9	37.3
155°	3.4	10.2	20.4	30.5	33.9
157.5°	3.4	10.2	20.4	27.1	30.5
160°	6.8	10.2	17.0	23.7	27.1
162.5°	3.4	6.8	17.0	20.4	23.7
165°	6.8	6.8	13.6	17.0	20.4
167.5°	6.8	6.8	10.2	13.6	17.0
170°	6.8	6.8	10.2	10.2	13.6
172.5°	6.8	6.8	6.8	10.2	6.8
175°	6.8	6.8	6.8	6.8	3.4
177.5°	6.8	6.8	6.8	6.8	3.4



TEST NUMBER: P566624

CATALOG NUMBER: 4SNX-60SL-LC-UNV-L840-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	6.8	6.8	6.8	6.8	6.8

(END OF REPORT)