

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: P566632

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566632
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-60SL-LN-UNV-L840-CD
Description: 4FT 6000 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

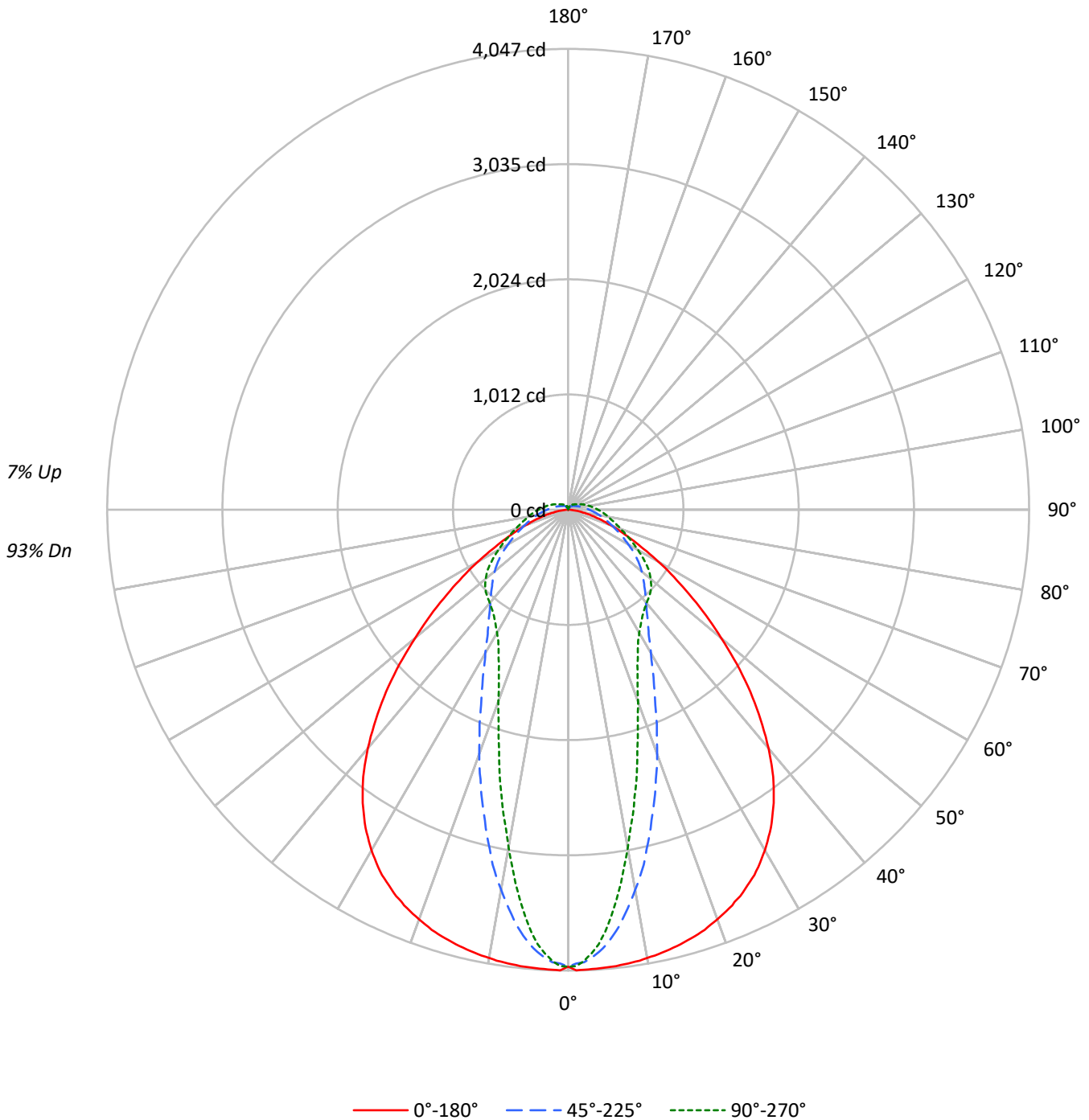
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6397.0 lumens
Efficiency: N/A
Efficacy: 152.3 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): 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: P566632
CATALOG NUMBER: 4SNX-60SL-LN-UNV-L840-CD

Luminous Intensity Polar Plot





TEST NUMBER: P566632

CATALOG NUMBER: 4SNX-60SL-LN-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	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°	43196	43196	43196
5°	43419	39701	37994
10°	43361	34041	29478
15°	43340	27767	22093
20°	43200	22120	16533
25°	42808	17333	13122
30°	41912	14028	11193
35°	40151	11872	10181
40°	37142	10481	9637
45°	33021	9589	9339
50°	27973	8824	8822
55°	22980	7996	8057
60°	18378	7034	7068
65°	14267	6175	6150
70°	11078	5462	5440
75°	8566	4908	4956
80°	6052	4492	4608
85°	3363	4187	4418



TEST NUMBER: P566632

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	355.4	5.6
10°-20°	833.0	13.0
20°-30°	988.8	15.5
30°-40°	994.8	15.6
40°-50°	924.7	14.5
50°-60°	761.5	11.9
60°-70°	536.6	8.4
70°-80°	350.6	5.5
80°-90°	223.8	3.5
90°-100°	146.8	2.3
100°-110°	99.6	1.6
110°-120°	68.3	1.1
120°-130°	47.3	0.7
130°-140°	31.8	0.5
140°-150°	19.6	0.3
150°-160°	10.2	0.2
160°-170°	3.7	0.1
170°-180°	0.6	0.0
0°-30°	2177.2	34.0
0°-40°	3172.0	49.6
0°-60°	4858.3	75.9
0°-90°	5969.2	93.3
90°-120°	314.7	4.9
90°-150°	413.4	6.5
90°-180°	428.0	6.7
0°-180°	6397.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4013	4013	4013	4013	4013	
5°	4033	3980	3835	3762	3721	384
15°	3933	3514	2826	2471	2337	1111
25°	3674	2716	1800	1512	1448	1691
35°	3145	1837	1220	1143	1136	1956
45°	2260	1210	945	996	1022	1735
55°	1297	795	731	811	838	1172
65°	610	479	503	567	587	619
75°	238	248	339	399	416	257
85°	40	114	228	295	308	51
90°	0	77	184	251	262	2
95°	0	57	154	211	221	0
105°	0	40	104	148	161	0
115°	3	34	74	107	114	3
125°	3	27	60	77	84	3
135°	3	24	47	60	64	3
145°	3	17	34	47	50	2
155°	3	13	24	34	37	2
165°	3	7	13	17	20	1
175°	7	7	7	7	3	0
180°	3	3	3	3	3	



TEST NUMBER: P566632

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

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4013.0	4013.0	4013.0	4013.0	4013.0
1°	4046.6	4029.8	3986.2	4016.4	4009.7
2°	4043.2	4026.4	3976.2	3989.6	3966.1
3°	4039.9	4016.4	3939.3	3935.9	3902.4
4°	4036.5	3999.6	3892.3	3852.1	3825.3
5°	4033.1	3979.5	3835.3	3761.6	3721.4
6°	4029.8	3956.0	3761.6	3651.0	3594.0
7°	4023.1	3919.2	3684.5	3533.6	3459.9
8°	4016.4	3885.6	3587.3	3406.2	3315.7
9°	4009.7	3842.0	3490.0	3268.8	3161.5
10°	3996.3	3798.5	3389.5	3128.0	3014.0
11°	3989.6	3748.2	3292.2	2993.8	2859.7
12°	3976.2	3694.5	3188.3	2853.0	2735.7
13°	3962.7	3637.5	3060.9	2732.3	2591.5
14°	3949.3	3577.2	2950.3	2598.2	2467.5
15°	3932.6	3513.5	2826.2	2470.8	2336.7
16°	3915.8	3439.7	2715.6	2340.1	2199.3
17°	3899.0	3369.3	2611.7	2219.4	2092.0
18°	3878.9	3298.9	2491.0	2102.1	1978.0
19°	3852.1	3218.5	2393.7	1994.8	1880.8
20°	3828.6	3144.7	2283.1	1894.2	1793.6
21°	3801.8	3054.2	2172.5	1800.3	1699.8
22.5°	3761.6	2926.8	2031.7	1683.0	1589.1
23°	3741.5	2889.9	1974.7	1639.4	1558.9
24°	3714.7	2792.7	1880.8	1572.4	1491.9
25°	3674.4	2715.6	1800.3	1512.0	1448.3
26°	3637.5	2621.7	1719.9	1458.4	1394.7
27°	3600.7	2531.2	1649.5	1401.4	1347.7
28°	3553.7	2437.3	1572.4	1354.4	1307.5
29°	3503.4	2350.2	1508.7	1314.2	1277.3
30°	3453.2	2252.9	1455.0	1277.3	1247.2
32.5°	3312.3	2038.4	1317.6	1206.9	1186.8
35°	3144.7	1837.2	1220.3	1143.2	1136.5
37.5°	2957.0	1652.8	1133.2	1092.9	1099.6
40°	2735.7	1485.2	1059.4	1056.1	1069.5
42.5°	2501.0	1341.0	1002.4	1025.9	1046.0
45°	2259.6	1210.3	945.4	995.7	1022.5
47.5°	2008.2	1096.3	895.1	958.8	989.0
50°	1753.4	985.7	841.5	915.3	945.4
52.5°	1525.4	888.4	787.9	865.0	898.5
55°	1297.4	794.6	730.9	811.3	838.1
57.5°	1099.6	707.4	670.5	751.0	771.1
60°	915.3	623.6	610.2	683.9	707.4
62.5°	747.6	549.8	553.2	623.6	647.0
65°	610.2	479.4	502.9	566.6	586.7



TEST NUMBER: P566632

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

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	496.2	412.4	452.6	519.6	536.4
70°	392.3	352.0	412.4	472.7	489.5
72.5°	311.8	298.4	372.1	435.8	449.2
75°	238.0	248.1	338.6	399.0	415.7
77.5°	171.0	207.9	305.1	368.8	382.2
80°	120.7	171.0	278.3	342.0	355.4
82.5°	77.1	140.8	251.4	318.5	331.9
85°	40.2	114.0	228.0	295.0	308.4
87.5°	16.8	93.9	204.5	271.6	285.0
90°	0.0	77.1	184.4	251.4	261.5
92.5°	0.0	67.1	167.6	231.3	241.4
95°	0.0	57.0	154.2	211.2	221.3
97.5°	0.0	53.6	137.5	194.4	204.5
100°	0.0	46.9	124.0	177.7	191.1
102.5°	0.0	43.6	114.0	160.9	174.3
105°	0.0	40.2	103.9	147.5	160.9
107.5°	0.0	36.9	97.2	137.5	147.5
110°	0.0	36.9	87.2	127.4	137.5
112.5°	3.4	33.5	80.5	114.0	124.0
115°	3.4	33.5	73.8	107.3	114.0
117.5°	3.4	33.5	70.4	97.2	103.9
120°	3.4	30.2	67.1	90.5	97.2
122.5°	3.4	30.2	63.7	83.8	87.2
125°	3.4	26.8	60.3	77.1	83.8
127.5°	3.4	26.8	57.0	73.8	77.1
130°	3.4	26.8	53.6	67.1	73.8
132.5°	3.4	23.5	50.3	63.7	67.1
135°	3.4	23.5	46.9	60.3	63.7
137.5°	3.4	20.1	43.6	57.0	60.3
140°	3.4	20.1	40.2	53.6	57.0
142.5°	3.4	16.8	36.9	50.3	53.6
145°	3.4	16.8	33.5	46.9	50.3
147.5°	3.4	16.8	30.2	43.6	46.9
150°	3.4	13.4	26.8	40.2	43.6
152.5°	3.4	13.4	23.5	36.9	40.2
155°	3.4	13.4	23.5	33.5	36.9
157.5°	3.4	10.1	20.1	26.8	33.5
160°	3.4	10.1	16.8	23.5	30.2
162.5°	3.4	10.1	16.8	20.1	23.5
165°	3.4	6.7	13.4	16.8	20.1
167.5°	3.4	6.7	10.1	13.4	16.8
170°	3.4	6.7	10.1	10.1	13.4
172.5°	3.4	6.7	6.7	6.7	6.7
175°	6.7	6.7	6.7	6.7	3.4
177.5°	6.7	6.7	6.7	3.4	3.4



TEST NUMBER: P566632

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

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	3.4	3.4	3.4	3.4	3.4

(END OF REPORT)