

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: P566720

Luminaire Tested: **4SNX-67SL-LC-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566720
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-67SL-LC-UNV-L840-CD
Description: 4FT 6700 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

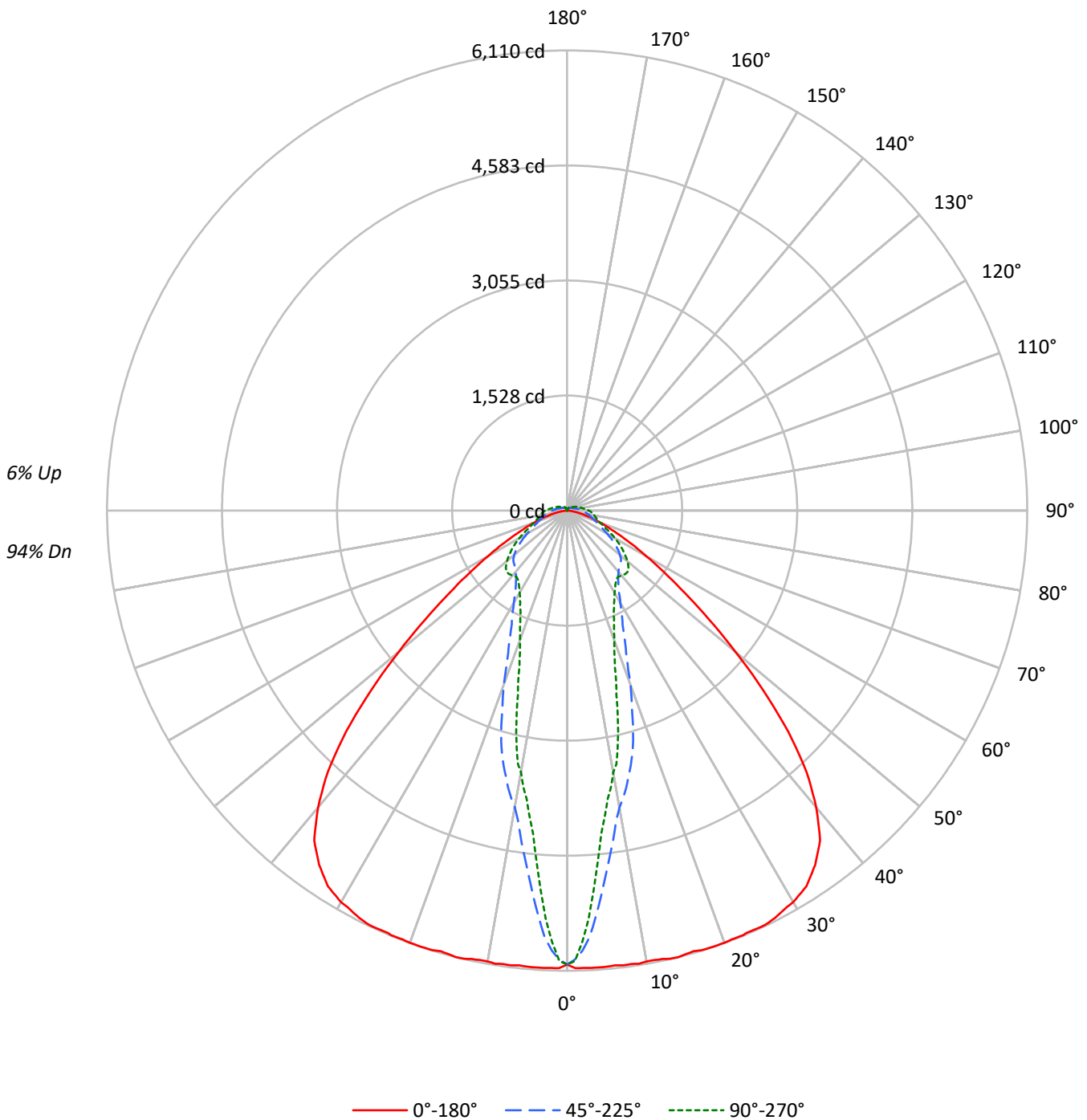
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7429.0 lumens
Efficiency: N/A
Efficacy: 155.1 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): 47.9
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

TEST NUMBER: P566720
CATALOG NUMBER: 4SNX-67SL-LC-UNV-L840-CD

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°	64872	64872	64872
5°	65457	53282	47693
10°	65971	40224	34517
15°	67174	32879	23901
20°	68906	23791	16881
25°	71056	17044	13280
30°	72870	13618	11310
35°	73303	11518	10129
40°	69883	10471	10154
45°	60643	10117	10432
50°	46525	9621	9735
55°	33717	8414	8638
60°	24462	7021	7303
65°	17802	5937	5987
70°	13117	5244	5162
75°	9318	4856	4812
80°	6107	4547	4739
85°	2869	4334	4745



TEST NUMBER: P566720

CATALOG NUMBER: 4SNX-67SL-LC-UNV-L840-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	474.0	6.4
10°-20°	1029.2	13.9
20°-30°	1178.1	15.9
30°-40°	1180.2	15.9
40°-50°	1117.2	15.0
50°-60°	856.8	11.5
60°-70°	552.3	7.4
70°-80°	352.2	4.7
80°-90°	233.9	3.1
90°-100°	157.2	2.1
100°-110°	103.6	1.4
110°-120°	72.1	1.0
120°-130°	50.3	0.7
130°-140°	34.9	0.5
140°-150°	21.4	0.3
150°-160°	10.8	0.1
160°-170°	4.2	0.1
170°-180°	0.8	0.0
0°-30°	2681.3	36.1
0°-40°	3861.5	52.0
0°-60°	5835.5	78.6
0°-90°	6973.8	93.9
90°-120°	332.9	4.5
90°-150°	439.4	5.9
90°-180°	455.0	6.1
0°-180°	7429.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6027	6027	6027	6027	6027	
5°	6080	5745	5147	4801	4671	580
15°	6095	4390	3346	2749	2528	1729
25°	6099	3107	1770	1538	1466	2812
35°	5741	1728	1184	1146	1131	3562
45°	4150	1093	998	1104	1142	3155
55°	1904	780	769	864	898	1750
65°	761	491	484	552	571	783
75°	259	266	335	384	404	285
85°	34	122	236	308	331	47
90°	0	84	198	274	286	2
95°	0	61	164	225	236	0
105°	0	46	107	152	164	3
115°	4	38	80	110	118	4
125°	4	34	68	80	84	3
135°	4	27	53	65	68	3
145°	4	19	38	50	53	2
155°	4	11	23	34	38	2
165°	8	8	15	19	23	2
175°	8	8	8	8	4	1
180°	8	8	8	8	8	



TEST NUMBER: P566720

CATALOG NUMBER: 4SNX-67SL-LC-UNV-L840-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6026.8	6026.8	6026.8	6026.8	6026.8
1°	6076.3	6042.0	5962.0	5984.9	5981.1
2°	6076.3	6003.9	5847.8	5802.1	5733.6
3°	6080.1	5939.2	5672.7	5524.2	5429.0
4°	6080.1	5844.0	5413.8	5166.3	5044.5
5°	6080.1	5745.0	5147.3	4800.9	4671.4
6°	6072.5	5627.0	4877.0	4511.5	4317.3
7°	6083.9	5497.6	4633.3	4241.2	4088.9
8°	6080.1	5345.3	4408.7	4035.6	3868.1
9°	6091.5	5196.8	4165.1	3841.4	3715.8
10°	6080.1	5059.7	4005.2	3658.7	3529.3
11°	6080.1	4926.5	3890.9	3540.7	3430.3
12°	6087.7	4774.2	3765.3	3373.2	3220.9
13°	6106.7	4618.1	3620.6	3190.4	3011.5
14°	6110.5	4500.1	3487.4	2958.2	2771.6
15°	6095.3	4389.7	3346.5	2748.8	2528.0
16°	6087.7	4275.5	3179.0	2550.8	2352.8
17°	6102.9	4142.2	2988.6	2349.0	2166.3
18°	6106.7	4020.4	2786.9	2196.7	2036.8
19°	6106.7	3925.2	2623.1	2055.9	1918.8
20°	6106.7	3833.8	2455.6	1949.3	1831.3
21°	6099.1	3719.6	2265.3	1838.9	1739.9
22.5°	6102.9	3506.4	2048.3	1709.4	1629.5
23°	6091.5	3453.1	1995.0	1675.2	1591.4
24°	6095.3	3300.8	1880.7	1606.6	1526.7
25°	6099.1	3106.7	1770.3	1538.1	1465.8
26°	6091.5	2950.6	1679.0	1473.4	1423.9
27°	6072.5	2824.9	1614.2	1420.1	1374.4
28°	6045.8	2657.4	1545.7	1374.4	1332.5
29°	6019.2	2467.1	1477.2	1324.9	1294.4
30°	6003.9	2314.8	1412.5	1286.8	1260.2
32.5°	5912.5	2014.0	1279.2	1210.7	1187.8
35°	5741.2	1728.5	1184.0	1146.0	1130.7
37.5°	5516.6	1507.6	1111.7	1104.1	1107.9
40°	5147.3	1332.5	1058.4	1092.7	1126.9
42.5°	4705.7	1195.5	1020.3	1104.1	1142.2
45°	4149.8	1092.7	997.5	1104.1	1142.2
47.5°	3533.1	1008.9	970.8	1066.0	1104.1
50°	2916.3	932.8	917.5	1008.9	1043.2
52.5°	2371.9	860.4	849.0	936.6	970.8
55°	1903.6	780.5	769.1	864.2	898.5
57.5°	1526.7	704.3	692.9	780.5	814.7
60°	1218.3	628.2	609.1	696.7	731.0
62.5°	970.8	555.8	544.4	620.6	651.0
65°	761.4	491.1	483.5	552.0	571.1



TEST NUMBER: P566720

CATALOG NUMBER: 4SNX-67SL-LC-UNV-L840-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	601.5	430.2	434.0	491.1	514.0
70°	464.5	373.1	395.9	449.2	464.5
72.5°	350.3	316.0	365.5	411.2	430.2
75°	258.9	266.5	335.0	384.5	403.6
77.5°	178.9	220.8	308.4	361.7	380.7
80°	121.8	178.9	281.7	342.6	365.5
82.5°	72.3	148.5	258.9	323.6	350.3
85°	34.3	121.8	236.0	308.4	331.2
87.5°	11.4	99.0	213.2	293.2	312.2
90°	0.0	83.8	198.0	274.1	285.5
92.5°	0.0	72.3	178.9	251.3	258.9
95°	0.0	60.9	163.7	224.6	236.0
97.5°	0.0	57.1	152.3	201.8	217.0
100°	0.0	53.3	137.1	182.7	198.0
102.5°	0.0	45.7	121.8	163.7	178.9
105°	0.0	45.7	106.6	152.3	163.7
107.5°	3.8	41.9	99.0	137.1	152.3
110°	3.8	41.9	87.6	129.4	140.9
112.5°	3.8	41.9	83.8	118.0	133.3
115°	3.8	38.1	80.0	110.4	118.0
117.5°	3.8	38.1	76.1	99.0	106.6
120°	3.8	34.3	72.3	91.4	95.2
122.5°	3.8	34.3	68.5	83.8	87.6
125°	3.8	34.3	68.5	80.0	83.8
127.5°	3.8	30.5	64.7	76.1	76.1
130°	3.8	30.5	60.9	72.3	72.3
132.5°	3.8	26.7	57.1	68.5	72.3
135°	3.8	26.7	53.3	64.7	68.5
137.5°	3.8	22.8	49.5	60.9	64.7
140°	3.8	22.8	45.7	57.1	60.9
142.5°	3.8	19.0	41.9	53.3	57.1
145°	3.8	19.0	38.1	49.5	53.3
147.5°	3.8	19.0	34.3	45.7	49.5
150°	3.8	15.2	30.5	41.9	45.7
152.5°	3.8	15.2	26.7	38.1	41.9
155°	3.8	11.4	22.8	34.3	38.1
157.5°	3.8	11.4	22.8	30.5	34.3
160°	7.6	11.4	19.0	26.7	30.5
162.5°	3.8	7.6	19.0	22.8	26.7
165°	7.6	7.6	15.2	19.0	22.8
167.5°	7.6	7.6	11.4	15.2	19.0
170°	7.6	7.6	11.4	11.4	15.2
172.5°	7.6	7.6	7.6	11.4	7.6
175°	7.6	7.6	7.6	7.6	3.8
177.5°	7.6	7.6	7.6	7.6	3.8



TEST NUMBER: P566720

CATALOG NUMBER: 4SNX-67SL-LC-UNV-L840-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	7.6	7.6	7.6	7.6	7.6

(END OF REPORT)