

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: P566732

Luminaire Tested: **4SNX-67SL-LN-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566732
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-67SL-LN-UNV-L940-CD
Description: 4FT 6700 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

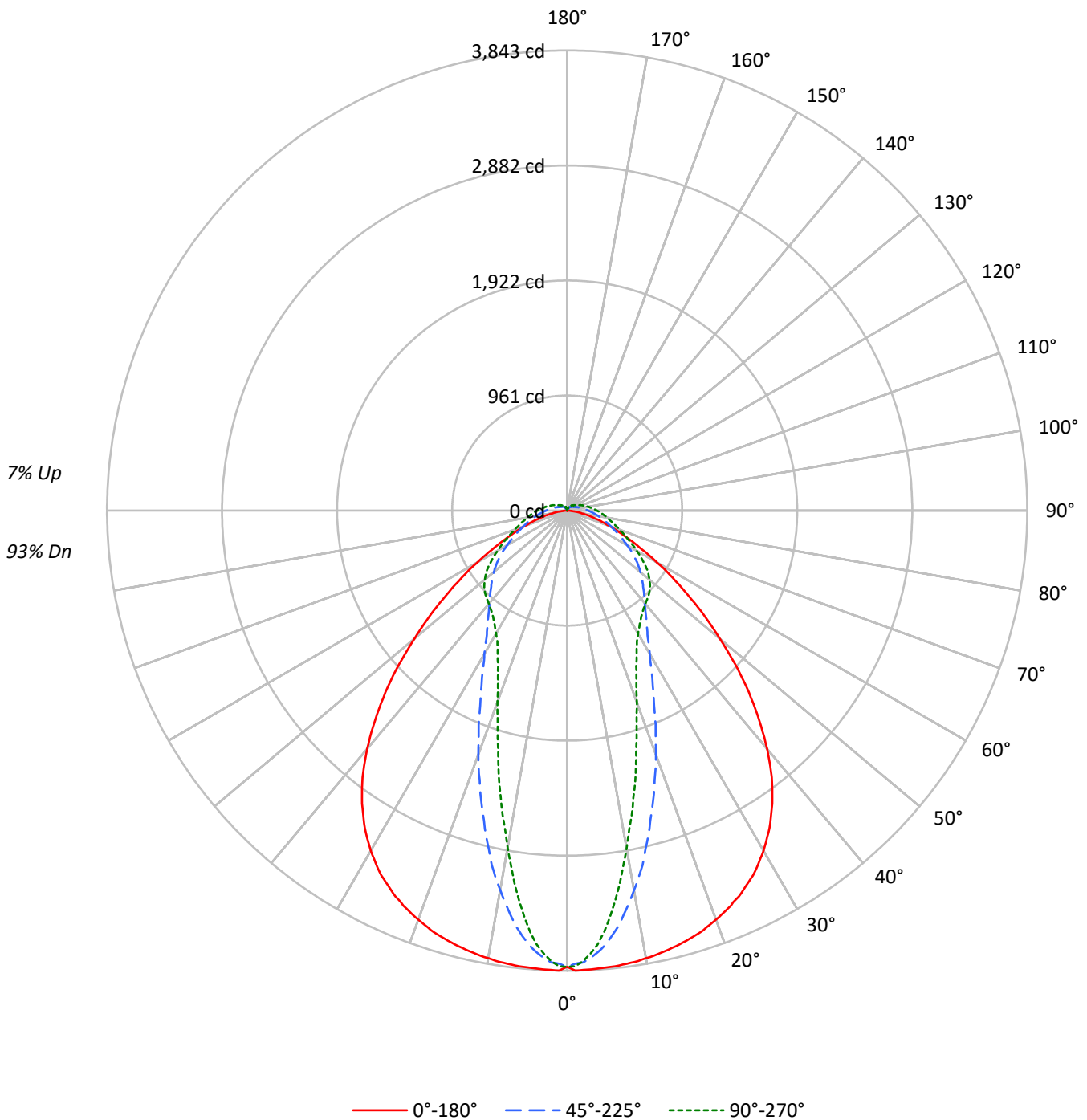
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6075.0 lumens
Efficiency: N/A
Efficacy: 126.8 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): 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: P566732
CATALOG NUMBER: 4SNX-67SL-LN-UNV-L940-CD

Luminous Intensity Polar Plot





TEST NUMBER: P566732

CATALOG NUMBER: 4SNX-67SL-LN-UNV-L940-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°	41021	41021	41021
5°	41234	37703	36081
10°	41178	32326	27994
15°	41157	26370	20981
20°	41026	21007	15701
25°	40654	16461	12461
30°	39801	13322	10630
35°	38130	11274	9669
40°	35272	9954	9151
45°	31359	9106	8869
50°	26564	8380	8378
55°	21823	7594	7652
60°	17452	6680	6712
65°	13549	5865	5841
70°	10519	5187	5166
75°	8138	4661	4707
80°	5746	4266	4376
85°	3196	3976	4196



TEST NUMBER: P566732

CATALOG NUMBER: 4SNX-67SL-LN-UNV-L940-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	337.5	5.6
10°-20°	791.1	13.0
20°-30°	939.0	15.5
30°-40°	944.8	15.6
40°-50°	878.2	14.5
50°-60°	723.1	11.9
60°-70°	509.6	8.4
70°-80°	332.9	5.5
80°-90°	212.5	3.5
90°-100°	139.4	2.3
100°-110°	94.6	1.6
110°-120°	64.8	1.1
120°-130°	44.9	0.7
130°-140°	30.2	0.5
140°-150°	18.6	0.3
150°-160°	9.7	0.2
160°-170°	3.5	0.1
170°-180°	0.6	0.0
0°-30°	2067.6	34.0
0°-40°	3012.4	49.6
0°-60°	4613.7	75.9
0°-90°	5668.7	93.3
90°-120°	298.9	4.9
90°-150°	392.5	6.5
90°-180°	406.0	6.7
0°-180°	6075.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3811	3811	3811	3811	3811	
5°	3830	3779	3642	3572	3534	365
15°	3735	3337	2684	2346	2219	1055
25°	3490	2579	1710	1436	1375	1606
35°	2986	1745	1159	1086	1079	1857
45°	2146	1149	898	946	971	1647
55°	1232	755	694	770	796	1113
65°	580	455	478	538	557	588
75°	226	236	322	379	395	244
85°	38	108	216	280	293	48
90°	0	73	175	239	248	2
95°	0	54	146	201	210	0
105°	0	38	99	140	153	0
115°	3	32	70	102	108	3
125°	3	26	57	73	80	3
135°	3	22	45	57	60	2
145°	3	16	32	45	48	2
155°	3	13	22	32	35	1
165°	3	6	13	16	19	1
175°	6	6	6	6	3	0
180°	3	3	3	3	3	



TEST NUMBER: P566732

CATALOG NUMBER: 4SNX-67SL-LN-UNV-L940-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3811.0	3811.0	3811.0	3811.0	3811.0
1°	3842.9	3826.9	3785.6	3814.2	3807.8
2°	3839.7	3823.8	3776.0	3788.7	3766.5
3°	3836.5	3814.2	3741.0	3737.8	3706.0
4°	3833.3	3798.3	3696.4	3658.2	3632.7
5°	3830.1	3779.2	3642.3	3572.2	3534.0
6°	3826.9	3756.9	3572.2	3467.2	3413.1
7°	3820.6	3721.9	3499.0	3355.7	3285.7
8°	3814.2	3690.0	3406.7	3234.8	3148.8
9°	3807.8	3648.7	3314.4	3104.2	3002.3
10°	3795.1	3607.3	3218.8	2970.5	2862.3
11°	3788.7	3559.5	3126.5	2843.1	2715.8
12°	3776.0	3508.6	3027.8	2709.4	2598.0
13°	3763.3	3454.4	2906.8	2594.8	2461.1
14°	3750.5	3397.1	2801.8	2467.5	2343.3
15°	3734.6	3336.6	2684.0	2346.5	2219.1
16°	3718.7	3266.6	2578.9	2222.3	2088.6
17°	3702.8	3199.7	2480.2	2107.7	1986.7
18°	3683.7	3132.9	2365.6	1996.3	1878.5
19°	3658.2	3056.5	2273.2	1894.4	1786.1
20°	3635.9	2986.4	2168.2	1798.9	1703.3
21°	3610.4	2900.5	2063.1	1709.7	1614.2
22.5°	3572.2	2779.5	1929.4	1598.3	1509.1
23°	3553.1	2744.5	1875.3	1556.9	1480.5
24°	3527.7	2652.1	1786.1	1493.2	1416.8
25°	3489.5	2578.9	1709.7	1435.9	1375.4
26°	3454.4	2489.7	1633.3	1385.0	1324.5
27°	3419.4	2403.8	1566.4	1330.8	1279.9
28°	3374.8	2314.6	1493.2	1286.3	1241.7
29°	3327.1	2231.9	1432.7	1248.1	1213.0
30°	3279.3	2139.5	1381.8	1213.0	1184.4
32.5°	3145.6	1935.8	1251.2	1146.2	1127.1
35°	2986.4	1744.7	1158.9	1085.7	1079.3
37.5°	2808.1	1569.6	1076.1	1037.9	1044.3
40°	2598.0	1410.4	1006.1	1002.9	1015.6
42.5°	2375.1	1273.5	952.0	974.2	993.4
45°	2145.9	1149.4	897.8	945.6	971.1
47.5°	1907.1	1041.1	850.1	910.6	939.2
50°	1665.1	936.0	799.1	869.2	897.8
52.5°	1448.6	843.7	748.2	821.4	853.3
55°	1232.1	754.6	694.1	770.5	796.0
57.5°	1044.3	671.8	636.8	713.2	732.3
60°	869.2	592.2	579.5	649.5	671.8
62.5°	710.0	522.1	525.3	592.2	614.5
65°	579.5	455.3	477.6	538.1	557.2



TEST NUMBER: P566732

CATALOG NUMBER: 4SNX-67SL-LN-UNV-L940-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	471.2	391.6	429.8	493.5	509.4
70°	372.5	334.3	391.6	448.9	464.8
72.5°	296.1	283.4	353.4	413.9	426.6
75°	226.1	235.6	321.6	378.9	394.8
77.5°	162.4	197.4	289.7	350.2	363.0
80°	114.6	162.4	264.3	324.7	337.5
82.5°	73.2	133.7	238.8	302.5	315.2
85°	38.2	108.2	216.5	280.2	292.9
87.5°	15.9	89.1	194.2	257.9	270.6
90°	0.0	73.2	175.1	238.8	248.3
92.5°	0.0	63.7	159.2	219.7	229.2
95°	0.0	54.1	146.5	200.6	210.1
97.5°	0.0	50.9	130.5	184.7	194.2
100°	0.0	44.6	117.8	168.7	181.5
102.5°	0.0	41.4	108.2	152.8	165.6
105°	0.0	38.2	98.7	140.1	152.8
107.5°	0.0	35.0	92.3	130.5	140.1
110°	0.0	35.0	82.8	121.0	130.5
112.5°	3.2	31.8	76.4	108.2	117.8
115°	3.2	31.8	70.0	101.9	108.2
117.5°	3.2	31.8	66.9	92.3	98.7
120°	3.2	28.7	63.7	86.0	92.3
122.5°	3.2	28.7	60.5	79.6	82.8
125°	3.2	25.5	57.3	73.2	79.6
127.5°	3.2	25.5	54.1	70.0	73.2
130°	3.2	25.5	50.9	63.7	70.0
132.5°	3.2	22.3	47.8	60.5	63.7
135°	3.2	22.3	44.6	57.3	60.5
137.5°	3.2	19.1	41.4	54.1	57.3
140°	3.2	19.1	38.2	50.9	54.1
142.5°	3.2	15.9	35.0	47.8	50.9
145°	3.2	15.9	31.8	44.6	47.8
147.5°	3.2	15.9	28.7	41.4	44.6
150°	3.2	12.7	25.5	38.2	41.4
152.5°	3.2	12.7	22.3	35.0	38.2
155°	3.2	12.7	22.3	31.8	35.0
157.5°	3.2	9.6	19.1	25.5	31.8
160°	3.2	9.6	15.9	22.3	28.7
162.5°	3.2	9.6	15.9	19.1	22.3
165°	3.2	6.4	12.7	15.9	19.1
167.5°	3.2	6.4	9.6	12.7	15.9
170°	3.2	6.4	9.6	9.6	12.7
172.5°	3.2	6.4	6.4	6.4	6.4
175°	6.4	6.4	6.4	6.4	3.2
177.5°	6.4	6.4	6.4	3.2	3.2



TEST NUMBER: P566732

CATALOG NUMBER: 4SNX-67SL-LN-UNV-L940-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	3.2	3.2	3.2	3.2	3.2

(END OF REPORT)