

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: P566726

Luminaire Tested: **4SNX-67SL-LN-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566726
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-L830-CD
Description: 4FT 6700 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

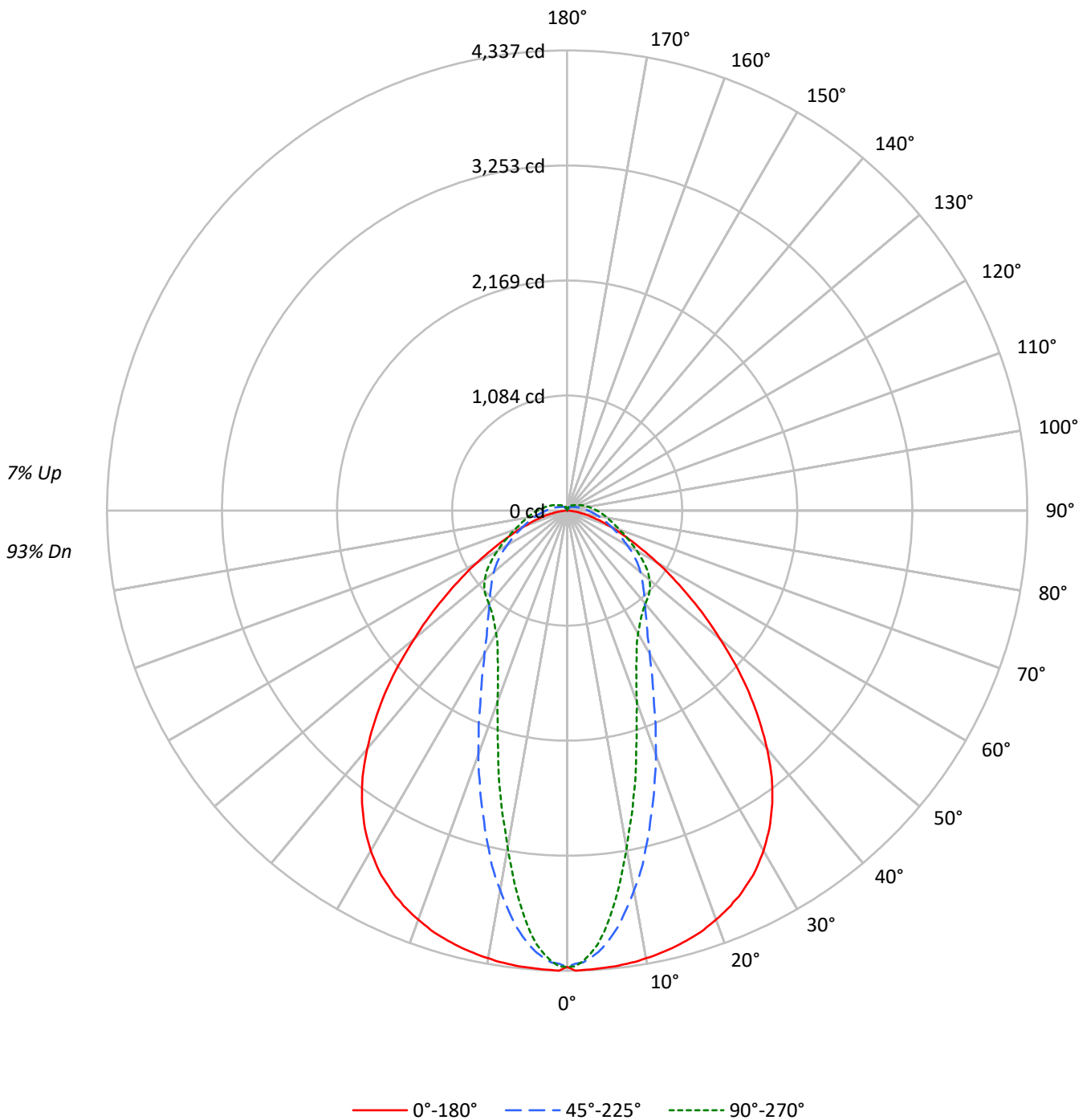
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6856.0 lumens
Efficiency: N/A
Efficacy: 143.1 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 (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	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°	46296	46296	46296
5°	46535	42550	40720
10°	46472	36483	31592
15°	46448	29760	23678
20°	46301	23707	17720
25°	45880	18577	14063
30°	44918	15034	11996
35°	43033	12724	10912
40°	39807	11233	10328
45°	35391	10277	10009
50°	29980	9458	9456
55°	24629	8570	8636
60°	19695	7538	7574
65°	15288	6619	6591
70°	11872	5854	5830
75°	9181	5260	5312
80°	6488	4813	4939
85°	3606	4486	4737



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	380.9	5.6
10°-20°	892.8	13.0
20°-30°	1059.7	15.5
30°-40°	1066.2	15.6
40°-50°	991.1	14.5
50°-60°	816.1	11.9
60°-70°	575.1	8.4
70°-80°	375.7	5.5
80°-90°	239.9	3.5
90°-100°	157.3	2.3
100°-110°	106.8	1.6
110°-120°	73.2	1.1
120°-130°	50.6	0.7
130°-140°	34.1	0.5
140°-150°	21.0	0.3
150°-160°	10.9	0.2
160°-170°	3.9	0.1
170°-180°	0.7	0.0
0°-30°	2333.4	34.0
0°-40°	3399.6	49.6
0°-60°	5206.8	75.9
0°-90°	6397.5	93.3
90°-120°	337.3	4.9
90°-150°	443.0	6.5
90°-180°	459.0	6.7
0°-180°	6856.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4301	4301	4301	4301	4301	
5°	4322	4265	4110	4032	3988	411
15°	4215	3766	3029	2648	2504	1190
25°	3938	2910	1930	1620	1552	1812
35°	3370	1969	1308	1225	1218	2096
45°	2422	1297	1013	1067	1096	1859
55°	1390	852	783	870	898	1256
65°	654	514	539	607	629	663
75°	255	266	363	428	446	276
85°	43	122	244	316	331	54
90°	0	83	198	270	280	2
95°	0	61	165	226	237	0
105°	0	43	111	158	172	0
115°	4	36	79	115	122	3
125°	4	29	65	83	90	3
135°	4	25	50	65	68	3
145°	4	18	36	50	54	2
155°	4	14	25	36	40	2
165°	4	7	14	18	22	1
175°	7	7	7	7	4	0
180°	4	4	4	4	4	



TEST NUMBER: P566726

CATALOG NUMBER: 4SNX-67SL-LN-UNV-L830-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4301.0	4301.0	4301.0	4301.0	4301.0
1°	4336.9	4318.9	4272.2	4304.6	4297.4
2°	4333.3	4315.3	4261.4	4275.8	4250.7
3°	4329.7	4304.6	4221.9	4218.3	4182.4
4°	4326.1	4286.6	4171.6	4128.5	4099.8
5°	4322.5	4265.0	4110.5	4031.5	3988.4
6°	4318.9	4239.9	4031.5	3912.9	3851.8
7°	4311.8	4200.4	3948.8	3787.2	3708.1
8°	4304.6	4164.4	3844.6	3650.6	3553.6
9°	4297.4	4117.7	3740.4	3503.3	3388.3
10°	4283.0	4071.0	3632.7	3352.4	3230.2
11°	4275.8	4017.1	3528.5	3208.7	3064.9
12°	4261.4	3959.6	3417.1	3057.8	2932.0
13°	4247.1	3898.5	3280.5	2928.4	2777.5
14°	4232.7	3833.9	3162.0	2784.7	2644.5
15°	4214.7	3765.6	3029.0	2648.1	2504.4
16°	4196.8	3686.5	2910.4	2508.0	2357.1
17°	4178.8	3611.1	2799.0	2378.7	2242.1
18°	4157.2	3535.6	2669.7	2252.9	2119.9
19°	4128.5	3449.4	2565.5	2137.9	2015.7
20°	4103.4	3370.4	2446.9	2030.1	1922.3
21°	4074.6	3273.3	2328.3	1929.5	1821.7
22.5°	4031.5	3136.8	2177.4	1803.8	1703.1
23°	4009.9	3097.3	2116.4	1757.0	1670.8
24°	3981.2	2993.1	2015.7	1685.2	1598.9
25°	3938.1	2910.4	1929.5	1620.5	1552.2
26°	3898.5	2809.8	1843.3	1563.0	1494.7
27°	3859.0	2712.8	1767.8	1501.9	1444.4
28°	3808.7	2612.2	1685.2	1451.6	1401.3
29°	3754.8	2518.8	1616.9	1408.5	1369.0
30°	3700.9	2414.6	1559.4	1369.0	1336.6
32.5°	3550.0	2184.6	1412.1	1293.5	1272.0
35°	3370.4	1969.0	1307.9	1225.3	1218.1
37.5°	3169.1	1771.4	1214.5	1171.4	1178.5
40°	2932.0	1591.8	1135.4	1131.8	1146.2
42.5°	2680.5	1437.3	1074.3	1099.5	1121.1
45°	2421.8	1297.1	1013.3	1067.2	1095.9
47.5°	2152.3	1175.0	959.4	1027.6	1060.0
50°	1879.2	1056.4	901.9	980.9	1013.3
52.5°	1634.9	952.2	844.4	927.0	963.0
55°	1390.5	851.6	783.3	869.5	898.3
57.5°	1178.5	758.1	718.6	804.9	826.4
60°	980.9	668.3	653.9	733.0	758.1
62.5°	801.3	589.3	592.9	668.3	693.5
65°	653.9	513.8	539.0	607.2	628.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	531.8	442.0	485.1	556.9	574.9
70°	420.4	377.3	442.0	506.6	524.6
72.5°	334.2	319.8	398.8	467.1	481.5
75°	255.1	265.9	362.9	427.6	445.5
77.5°	183.2	222.8	327.0	395.2	409.6
80°	129.4	183.2	298.2	366.5	380.9
82.5°	82.6	150.9	269.5	341.3	355.7
85°	43.1	122.2	244.3	316.2	330.6
87.5°	18.0	100.6	219.2	291.0	305.4
90°	0.0	82.6	197.6	269.5	280.3
92.5°	0.0	71.9	179.7	247.9	258.7
95°	0.0	61.1	165.3	226.4	237.1
97.5°	0.0	57.5	147.3	208.4	219.2
100°	0.0	50.3	132.9	190.4	204.8
102.5°	0.0	46.7	122.2	172.5	186.8
105°	0.0	43.1	111.4	158.1	172.5
107.5°	0.0	39.5	104.2	147.3	158.1
110°	0.0	39.5	93.4	136.5	147.3
112.5°	3.6	35.9	86.2	122.2	132.9
115°	3.6	35.9	79.0	115.0	122.2
117.5°	3.6	35.9	75.5	104.2	111.4
120°	3.6	32.3	71.9	97.0	104.2
122.5°	3.6	32.3	68.3	89.8	93.4
125°	3.6	28.7	64.7	82.6	89.8
127.5°	3.6	28.7	61.1	79.0	82.6
130°	3.6	28.7	57.5	71.9	79.0
132.5°	3.6	25.2	53.9	68.3	71.9
135°	3.6	25.2	50.3	64.7	68.3
137.5°	3.6	21.6	46.7	61.1	64.7
140°	3.6	21.6	43.1	57.5	61.1
142.5°	3.6	18.0	39.5	53.9	57.5
145°	3.6	18.0	35.9	50.3	53.9
147.5°	3.6	18.0	32.3	46.7	50.3
150°	3.6	14.4	28.7	43.1	46.7
152.5°	3.6	14.4	25.2	39.5	43.1
155°	3.6	14.4	25.2	35.9	39.5
157.5°	3.6	10.8	21.6	28.7	35.9
160°	3.6	10.8	18.0	25.2	32.3
162.5°	3.6	10.8	18.0	21.6	25.2
165°	3.6	7.2	14.4	18.0	21.6
167.5°	3.6	7.2	10.8	14.4	18.0
170°	3.6	7.2	10.8	10.8	14.4
172.5°	3.6	7.2	7.2	7.2	7.2
175°	7.2	7.2	7.2	7.2	3.6
177.5°	7.2	7.2	7.2	3.6	3.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	3.6	3.6	3.6	3.6	3.6

(END OF REPORT)