

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: P567886

Luminaire Tested: **8SNX-62SL-LC-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567886
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: 8SNX-62SL-LC-UNV-L930-CD
Description: 8FT 6200 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

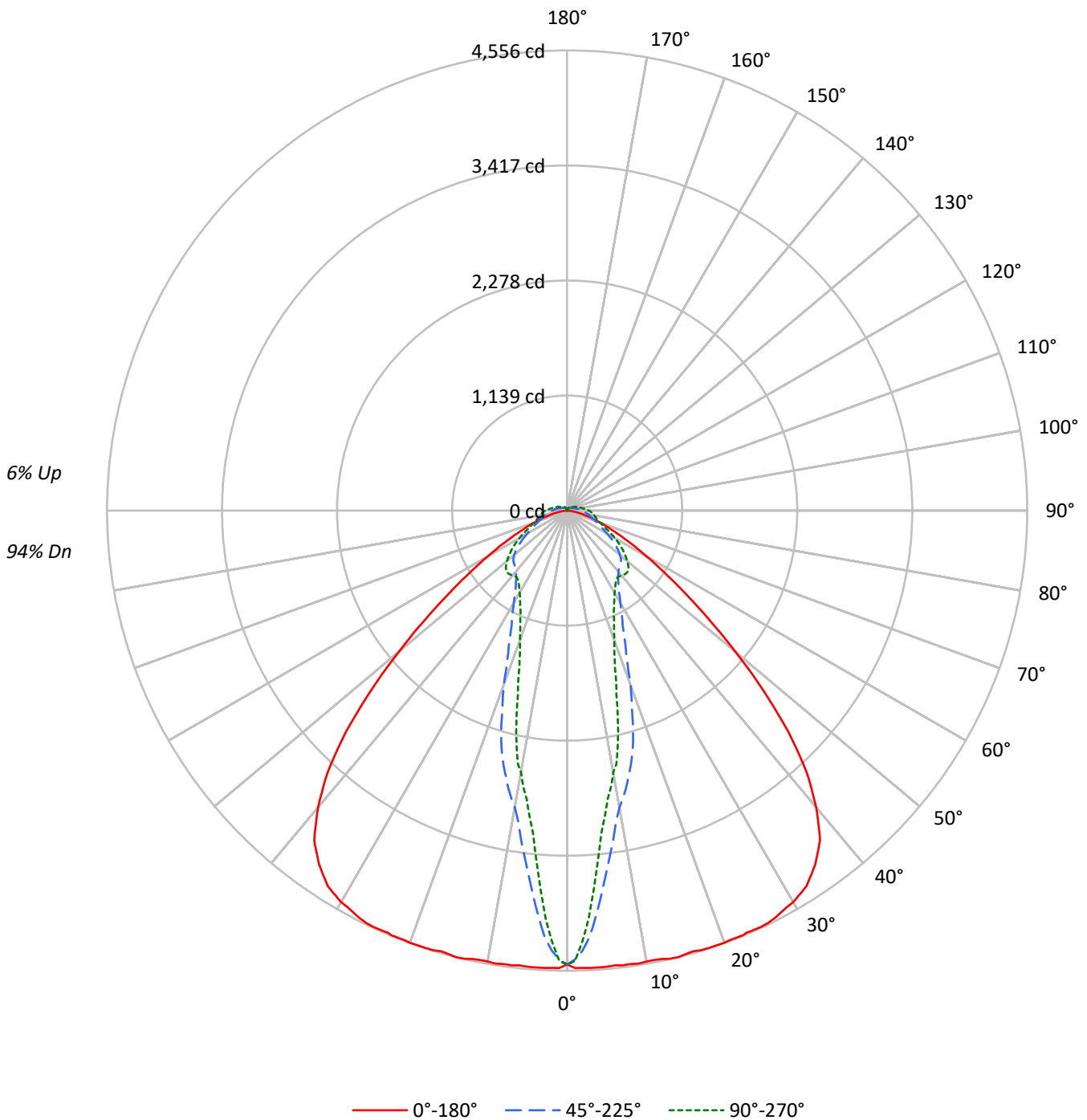
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5539.0 lumens
Efficiency: N/A
Efficacy: 142.0 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 39
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	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°	24184	24184	24184
5°	24446	19888	17780
10°	24683	15031	12868
15°	25181	12300	8910
20°	25881	8910	6293
25°	26744	6390	4951
30°	27489	5110	4216
35°	27720	4327	3776
40°	26500	3938	3785
45°	23069	3809	3889
50°	17765	3627	3629
55°	12933	3176	3220
60°	9437	2654	2723
65°	6920	2248	2232
70°	5154	1989	1924
75°	3724	1846	1794
80°	2517	1733	1767
85°	1272	1658	1769



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	353.4	6.4
10°-20°	767.4	13.9
20°-30°	878.4	15.9
30°-40°	879.9	15.9
40°-50°	833.0	15.0
50°-60°	638.8	11.5
60°-70°	411.8	7.4
70°-80°	262.6	4.7
80°-90°	174.4	3.1
90°-100°	117.2	2.1
100°-110°	77.2	1.4
110°-120°	53.7	1.0
120°-130°	37.5	0.7
130°-140°	26.0	0.5
140°-150°	15.9	0.3
150°-160°	8.1	0.1
160°-170°	3.1	0.1
170°-180°	0.6	0.0
0°-30°	1999.1	36.1
0°-40°	2879.1	52.0
0°-60°	4350.9	78.6
0°-90°	5199.6	93.9
90°-120°	248.2	4.5
90°-150°	327.5	5.9
90°-180°	339.0	6.1
0°-180°	5539.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4494	4494	4494	4494	4494	
5°	4533	4283	3838	3580	3483	433
15°	4545	3273	2495	2050	1885	1289
25°	4547	2316	1320	1147	1093	2096
35°	4281	1289	883	854	843	2656
45°	3094	815	744	823	852	2352
55°	1419	582	573	644	670	1305
65°	568	366	360	412	426	584
75°	193	199	250	287	301	212
85°	26	91	176	230	247	35
90°	0	62	148	204	213	1
95°	0	45	122	168	176	0
105°	0	34	80	114	122	2
115°	3	28	60	82	88	3
125°	3	26	51	60	62	3
135°	3	20	40	48	51	2
145°	3	14	28	37	40	2
155°	3	8	17	26	28	1
165°	6	6	11	14	17	1
175°	6	6	6	6	3	1
180°	6	6	6	6	6	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4493.5	4493.5	4493.5	4493.5	4493.5
1°	4530.4	4504.9	4445.2	4462.3	4459.4
2°	4530.4	4476.5	4360.1	4326.0	4274.9
3°	4533.2	4428.2	4229.5	4118.8	4047.8
4°	4533.2	4357.3	4036.5	3852.0	3761.1
5°	4533.2	4283.4	3837.8	3579.5	3483.0
6°	4527.6	4195.5	3636.2	3363.7	3219.0
7°	4536.1	4098.9	3454.6	3162.2	3048.7
8°	4533.2	3985.4	3287.1	3008.9	2884.0
9°	4541.8	3874.7	3105.4	2864.1	2770.5
10°	4533.2	3772.5	2986.2	2727.9	2631.4
11°	4533.2	3673.1	2901.1	2639.9	2557.6
12°	4538.9	3559.6	2807.4	2515.0	2401.5
13°	4553.1	3443.2	2699.5	2378.7	2245.3
14°	4556.0	3355.2	2600.2	2205.6	2066.5
15°	4544.6	3272.9	2495.1	2049.5	1884.8
16°	4538.9	3187.7	2370.2	1901.9	1754.3
17°	4550.3	3088.4	2228.3	1751.4	1615.2
18°	4553.1	2997.6	2077.9	1637.9	1518.7
19°	4553.1	2926.6	1955.8	1532.8	1430.7
20°	4553.1	2858.5	1830.9	1453.4	1365.4
21°	4547.4	2773.3	1689.0	1371.0	1297.2
22.5°	4550.3	2614.4	1527.2	1274.5	1214.9
23°	4541.8	2574.6	1487.4	1249.0	1186.5
24°	4544.6	2461.1	1402.3	1197.9	1138.3
25°	4547.4	2316.3	1319.9	1146.8	1092.9
26°	4541.8	2199.9	1251.8	1098.5	1061.6
27°	4527.6	2106.2	1203.6	1058.8	1024.7
28°	4507.7	1981.3	1152.5	1024.7	993.5
29°	4487.8	1839.4	1101.4	987.8	965.1
30°	4476.5	1725.9	1053.1	959.4	939.6
32.5°	4408.3	1501.6	953.8	902.7	885.6
35°	4280.6	1288.7	882.8	854.4	843.1
37.5°	4113.1	1124.1	828.9	823.2	826.0
40°	3837.8	993.5	789.1	814.7	840.2
42.5°	3508.5	891.3	760.7	823.2	851.6
45°	3094.1	814.7	743.7	823.2	851.6
47.5°	2634.2	752.2	723.8	794.8	823.2
50°	2174.4	695.5	684.1	752.2	777.8
52.5°	1768.4	641.5	633.0	698.3	723.8
55°	1419.3	581.9	573.4	644.4	669.9
57.5°	1138.3	525.1	516.6	581.9	607.5
60°	908.4	468.4	454.2	519.5	545.0
62.5°	723.8	414.4	405.9	462.7	485.4
65°	567.7	366.2	360.5	411.6	425.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	448.5	320.8	323.6	366.2	383.2
70°	346.3	278.2	295.2	335.0	346.3
72.5°	261.2	235.6	272.5	306.6	320.8
75°	193.0	198.7	249.8	286.7	300.9
77.5°	133.4	164.6	229.9	269.7	283.9
80°	90.8	133.4	210.1	255.5	272.5
82.5°	53.9	110.7	193.0	241.3	261.2
85°	25.5	90.8	176.0	229.9	247.0
87.5°	8.5	73.8	159.0	218.6	232.8
90°	0.0	62.4	147.6	204.4	212.9
92.5°	0.0	53.9	133.4	187.3	193.0
95°	0.0	45.4	122.1	167.5	176.0
97.5°	0.0	42.6	113.5	150.4	161.8
100°	0.0	39.7	102.2	136.3	147.6
102.5°	0.0	34.1	90.8	122.1	133.4
105°	0.0	34.1	79.5	113.5	122.1
107.5°	2.8	31.2	73.8	102.2	113.5
110°	2.8	31.2	65.3	96.5	105.0
112.5°	2.8	31.2	62.4	88.0	99.4
115°	2.8	28.4	59.6	82.3	88.0
117.5°	2.8	28.4	56.8	73.8	79.5
120°	2.8	25.5	53.9	68.1	71.0
122.5°	2.8	25.5	51.1	62.4	65.3
125°	2.8	25.5	51.1	59.6	62.4
127.5°	2.8	22.7	48.3	56.8	56.8
130°	2.8	22.7	45.4	53.9	53.9
132.5°	2.8	19.9	42.6	51.1	53.9
135°	2.8	19.9	39.7	48.3	51.1
137.5°	2.8	17.0	36.9	45.4	48.3
140°	2.8	17.0	34.1	42.6	45.4
142.5°	2.8	14.2	31.2	39.7	42.6
145°	2.8	14.2	28.4	36.9	39.7
147.5°	2.8	14.2	25.5	34.1	36.9
150°	2.8	11.4	22.7	31.2	34.1
152.5°	2.8	11.4	19.9	28.4	31.2
155°	2.8	8.5	17.0	25.5	28.4
157.5°	2.8	8.5	17.0	22.7	25.5
160°	5.7	8.5	14.2	19.9	22.7
162.5°	2.8	5.7	14.2	17.0	19.9
165°	5.7	5.7	11.4	14.2	17.0
167.5°	5.7	5.7	8.5	11.4	14.2
170°	5.7	5.7	8.5	8.5	11.4
172.5°	5.7	5.7	5.7	8.5	5.7
175°	5.7	5.7	5.7	5.7	2.8
177.5°	5.7	5.7	5.7	5.7	2.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	5.7	5.7	5.7	5.7	5.7

(END OF REPORT)