

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: P567893

Luminaire Tested: **8SNX-62SL-LN-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567893
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: 8SNX-62SL-LN-UNV-L850-CD
Description: 8FT 6200 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

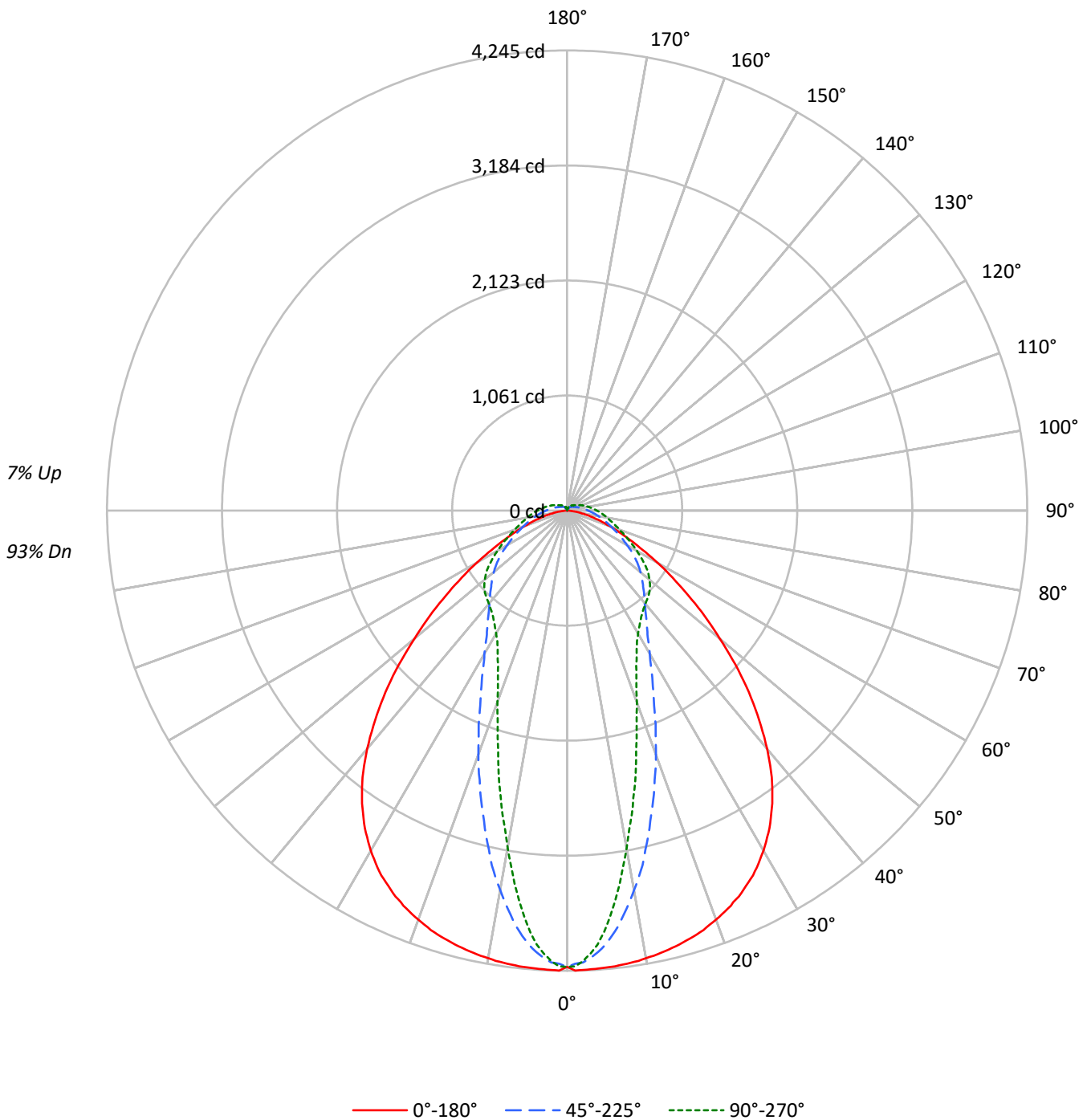
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6709.9 lumens
Efficiency: N/A
Efficacy: 172.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78
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 (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

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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	68	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°	22655	22655	22655
5°	22814	20848	19926
10°	22824	17896	15460
15°	22856	14614	11587
20°	22828	11654	8671
25°	22667	9142	6882
30°	22242	7406	5870
35°	21361	6274	5340
40°	19814	5545	5054
45°	17672	5079	4898
50°	15026	4680	4627
55°	12401	4246	4226
60°	9973	3740	3707
65°	7802	3289	3225
70°	6123	2914	2853
75°	4818	2624	2600
80°	3509	2408	2417
85°	2105	2252	2317



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	372.8	5.6
10°-20°	873.8	13.0
20°-30°	1037.2	15.5
30°-40°	1043.5	15.6
40°-50°	970.0	14.5
50°-60°	798.7	11.9
60°-70°	562.8	8.4
70°-80°	367.7	5.5
80°-90°	234.8	3.5
90°-100°	154.0	2.3
100°-110°	104.5	1.6
110°-120°	71.6	1.1
120°-130°	49.5	0.7
130°-140°	33.3	0.5
140°-150°	20.6	0.3
150°-160°	10.7	0.2
160°-170°	3.9	0.1
170°-180°	0.7	0.0
0°-30°	2283.7	34.0
0°-40°	3327.2	49.6
0°-60°	5096.0	75.9
0°-90°	6261.2	93.3
90°-120°	330.1	4.9
90°-150°	433.6	6.5
90°-180°	449.0	6.7
0°-180°	6709.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4209	4209	4209	4209	4209	
5°	4230	4174	4023	3946	3903	403
15°	4125	3685	2964	2592	2451	1165
25°	3854	2848	1888	1586	1519	1774
35°	3299	1927	1280	1199	1192	2051
45°	2370	1270	992	1044	1073	1820
55°	1361	833	767	851	879	1229
65°	640	503	528	594	615	649
75°	250	260	355	418	436	270
85°	42	120	239	310	324	53
90°	0	81	193	264	274	2
95°	0	60	162	222	232	0
105°	0	42	109	155	169	0
115°	4	35	77	112	120	3
125°	4	28	63	81	88	3
135°	4	25	49	63	67	3
145°	4	18	35	49	53	2
155°	4	14	25	35	39	2
165°	4	7	14	18	21	1
175°	7	7	7	7	4	0
180°	4	4	4	4	4	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4209.4	4209.4	4209.4	4209.4	4209.4
1°	4244.6	4227.0	4181.3	4212.9	4205.9
2°	4241.0	4223.5	4170.7	4184.8	4160.2
3°	4237.5	4212.9	4132.0	4128.5	4093.3
4°	4234.0	4195.3	4082.8	4040.6	4012.5
5°	4230.5	4174.2	4023.0	3945.6	3903.4
6°	4227.0	4149.6	3945.6	3829.6	3769.8
7°	4219.9	4110.9	3864.8	3706.5	3629.1
8°	4212.9	4075.8	3762.8	3572.9	3477.9
9°	4205.9	4030.0	3660.8	3428.7	3316.2
10°	4191.8	3984.3	3555.3	3281.0	3161.4
11°	4184.8	3931.6	3453.3	3140.3	2999.7
12°	4170.7	3875.3	3344.3	2992.6	2869.6
13°	4156.6	3815.5	3210.7	2866.0	2718.3
14°	4142.6	3752.2	3094.6	2725.4	2588.2
15°	4125.0	3685.4	2964.5	2591.7	2451.1
16°	4107.4	3608.0	2848.5	2454.6	2306.9
17°	4089.8	3534.2	2739.4	2328.0	2194.4
18°	4068.7	3460.3	2612.8	2204.9	2074.8
19°	4040.6	3375.9	2510.9	2092.4	1972.8
20°	4016.0	3298.6	2394.8	1986.9	1881.4
21°	3987.8	3203.6	2278.8	1888.4	1782.9
22.5°	3945.6	3070.0	2131.1	1765.3	1666.9
23°	3924.5	3031.3	2071.3	1719.6	1635.2
24°	3896.4	2929.3	1972.8	1649.3	1564.9
25°	3854.2	2848.5	1888.4	1586.0	1519.2
26°	3815.5	2750.0	1804.0	1529.7	1462.9
27°	3776.8	2655.0	1730.2	1469.9	1413.7
28°	3727.6	2556.6	1649.3	1420.7	1371.5
29°	3674.9	2465.1	1582.5	1378.5	1339.8
30°	3622.1	2363.2	1526.2	1339.8	1308.2
32.5°	3474.4	2138.1	1382.0	1266.0	1244.9
35°	3298.6	1927.1	1280.0	1199.2	1192.1
37.5°	3101.7	1733.7	1188.6	1146.4	1153.4
40°	2869.6	1557.9	1111.2	1107.7	1121.8
42.5°	2623.4	1406.6	1051.5	1076.1	1097.2
45°	2370.2	1269.5	991.7	1044.4	1072.6
47.5°	2106.5	1149.9	938.9	1005.8	1037.4
50°	1839.2	1033.9	882.7	960.0	991.7
52.5°	1600.1	931.9	826.4	907.3	942.5
55°	1360.9	833.4	766.6	851.0	879.2
57.5°	1153.4	742.0	703.3	787.7	808.8
60°	960.0	654.1	640.0	717.4	742.0
62.5°	784.2	576.7	580.2	654.1	678.7
65°	640.0	502.9	527.5	594.3	615.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	520.5	432.5	474.7	545.1	562.7
70°	411.4	369.2	432.5	495.8	513.4
72.5°	327.0	313.0	390.3	457.2	471.2
75°	249.7	260.2	355.2	418.5	436.1
77.5°	179.3	218.0	320.0	386.8	400.9
80°	126.6	179.3	291.9	358.7	372.8
82.5°	80.9	147.7	263.7	334.1	348.1
85°	42.2	119.6	239.1	309.5	323.5
87.5°	17.6	98.5	214.5	284.8	298.9
90°	0.0	80.9	193.4	263.7	274.3
92.5°	0.0	70.3	175.8	242.6	253.2
95°	0.0	59.8	161.8	221.5	232.1
97.5°	0.0	56.3	144.2	204.0	214.5
100°	0.0	49.2	130.1	186.4	200.4
102.5°	0.0	45.7	119.6	168.8	182.9
105°	0.0	42.2	109.0	154.7	168.8
107.5°	0.0	38.7	102.0	144.2	154.7
110°	0.0	38.7	91.4	133.6	144.2
112.5°	3.5	35.2	84.4	119.6	130.1
115°	3.5	35.2	77.4	112.5	119.6
117.5°	3.5	35.2	73.8	102.0	109.0
120°	3.5	31.6	70.3	94.9	102.0
122.5°	3.5	31.6	66.8	87.9	91.4
125°	3.5	28.1	63.3	80.9	87.9
127.5°	3.5	28.1	59.8	77.4	80.9
130°	3.5	28.1	56.3	70.3	77.4
132.5°	3.5	24.6	52.7	66.8	70.3
135°	3.5	24.6	49.2	63.3	66.8
137.5°	3.5	21.1	45.7	59.8	63.3
140°	3.5	21.1	42.2	56.3	59.8
142.5°	3.5	17.6	38.7	52.7	56.3
145°	3.5	17.6	35.2	49.2	52.7
147.5°	3.5	17.6	31.6	45.7	49.2
150°	3.5	14.1	28.1	42.2	45.7
152.5°	3.5	14.1	24.6	38.7	42.2
155°	3.5	14.1	24.6	35.2	38.7
157.5°	3.5	10.5	21.1	28.1	35.2
160°	3.5	10.5	17.6	24.6	31.6
162.5°	3.5	10.5	17.6	21.1	24.6
165°	3.5	7.0	14.1	17.6	21.1
167.5°	3.5	7.0	10.5	14.1	17.6
170°	3.5	7.0	10.5	10.5	14.1
172.5°	3.5	7.0	7.0	7.0	7.0
175°	7.0	7.0	7.0	7.0	3.5
177.5°	7.0	7.0	7.0	3.5	3.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	3.5	3.5	3.5	3.5	3.5

(END OF REPORT)