

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: P567889

Luminaire Tested: **8SNX-62SL-LC-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567889
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-L950-CD
Description: 8FT 6200 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

Summary

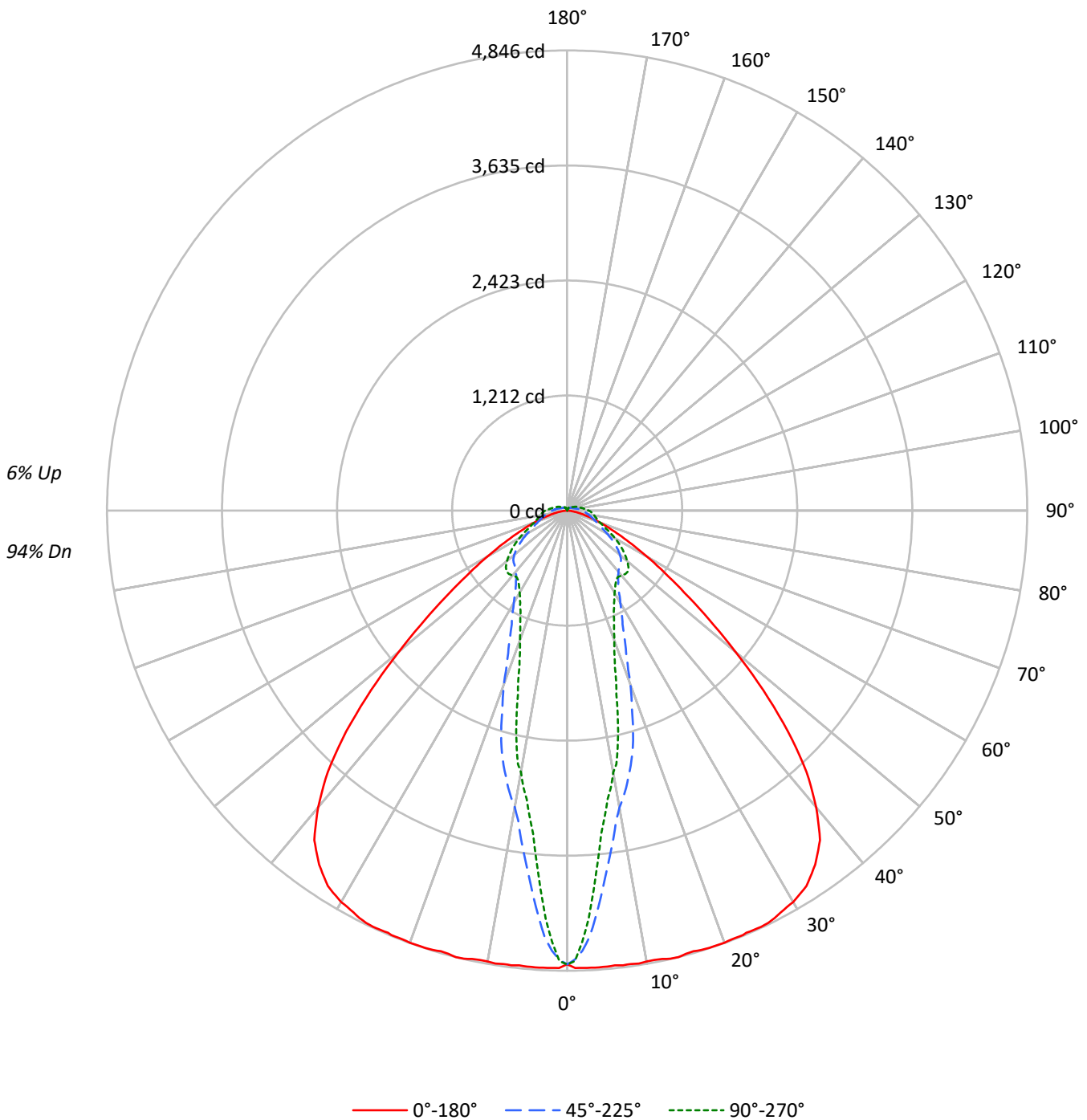
Lumens per Lamp: N/A
Luminaire Lumens: 5891.0 lumens
Efficiency: N/A
Efficacy: 151.1 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 39
Input Voltage (V): NR
Input Current (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	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°	25721	25721	25721
5°	26000	21152	18910
10°	26252	15986	13686
15°	26781	13082	9476
20°	27526	9476	6693
25°	28444	6796	5265
30°	29236	5435	4484
35°	29481	4602	4016
40°	28184	4188	4026
45°	24535	4051	4136
50°	18893	3857	3860
55°	13755	3377	3425
60°	10037	2822	2895
65°	7360	2390	2373
70°	5482	2115	2047
75°	3961	1963	1908
80°	2678	1843	1879
85°	1357	1763	1882



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	375.8	6.4
10°-20°	816.1	13.9
20°-30°	934.2	15.9
30°-40°	935.9	15.9
40°-50°	885.9	15.0
50°-60°	679.4	11.5
60°-70°	437.9	7.4
70°-80°	279.3	4.7
80°-90°	185.5	3.1
90°-100°	124.7	2.1
100°-110°	82.1	1.4
110°-120°	57.1	1.0
120°-130°	39.9	0.7
130°-140°	27.7	0.5
140°-150°	16.9	0.3
150°-160°	8.6	0.1
160°-170°	3.3	0.1
170°-180°	0.6	0.0
0°-30°	2126.2	36.1
0°-40°	3062.0	52.0
0°-60°	4627.4	78.6
0°-90°	5530.1	93.9
90°-120°	264.0	4.5
90°-150°	348.4	5.9
90°-180°	361.0	6.1
0°-180°	5891.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4779	4779	4779	4779	4779	
5°	4821	4556	4082	3807	3704	460
15°	4833	3481	2654	2180	2005	1371
25°	4836	2464	1404	1220	1162	2230
35°	4553	1371	939	909	897	2825
45°	3291	866	791	876	906	2502
55°	1510	619	610	685	712	1388
65°	604	390	383	438	453	621
75°	205	211	266	305	320	226
85°	27	97	187	244	263	37
90°	0	66	157	217	226	1
95°	0	48	130	178	187	0
105°	0	36	84	121	130	2
115°	3	30	63	88	94	3
125°	3	27	54	63	66	3
135°	3	21	42	51	54	2
145°	3	15	30	39	42	2
155°	3	9	18	27	30	2
165°	6	6	12	15	18	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°	4779.1	4779.1	4779.1	4779.1	4779.1
1°	4818.3	4791.1	4727.7	4745.9	4742.8
2°	4818.3	4761.0	4637.2	4600.9	4546.6
3°	4821.3	4709.6	4498.3	4380.6	4305.1
4°	4821.3	4634.2	4293.0	4096.8	4000.2
5°	4821.3	4555.7	4081.7	3806.9	3704.3
6°	4815.3	4462.1	3867.3	3577.5	3423.5
7°	4824.3	4359.4	3674.1	3363.2	3242.4
8°	4821.3	4238.7	3496.0	3200.1	3067.3
9°	4830.4	4120.9	3302.8	3046.2	2946.5
10°	4821.3	4012.2	3176.0	2901.3	2798.6
11°	4821.3	3906.6	3085.4	2807.7	2720.1
12°	4827.4	3785.8	2985.8	2674.8	2554.1
13°	4842.5	3662.0	2871.1	2529.9	2388.0
14°	4845.5	3568.4	2765.4	2345.8	2197.8
15°	4833.4	3480.9	2653.7	2179.7	2004.6
16°	4827.4	3390.3	2520.9	2022.7	1865.7
17°	4839.4	3284.7	2369.9	1862.7	1717.8
18°	4842.5	3188.1	2209.9	1742.0	1615.2
19°	4842.5	3112.6	2080.1	1630.3	1521.6
20°	4842.5	3040.1	1947.3	1545.7	1452.1
21°	4836.4	2949.6	1796.3	1458.2	1379.7
22.5°	4839.4	2780.5	1624.2	1355.5	1292.1
23°	4830.4	2738.2	1582.0	1328.4	1261.9
24°	4833.4	2617.5	1491.4	1274.0	1210.6
25°	4836.4	2463.5	1403.8	1219.7	1162.3
26°	4830.4	2339.7	1331.4	1168.4	1129.1
27°	4815.3	2240.1	1280.1	1126.1	1089.9
28°	4794.2	2107.3	1225.7	1089.9	1056.6
29°	4773.0	1956.3	1171.4	1050.6	1026.5
30°	4761.0	1835.5	1120.0	1020.4	999.3
32.5°	4688.5	1597.0	1014.4	960.0	941.9
35°	4552.6	1370.6	938.9	908.7	896.6
37.5°	4374.5	1195.5	881.5	875.5	878.5
40°	4081.7	1056.6	839.3	866.5	893.6
42.5°	3731.5	948.0	809.1	875.5	905.7
45°	3290.7	866.5	791.0	875.5	905.7
47.5°	2801.6	800.0	769.8	845.3	875.5
50°	2312.5	739.7	727.6	800.0	827.2
52.5°	1880.8	682.3	673.2	742.7	769.8
55°	1509.5	618.9	609.8	685.3	712.5
57.5°	1210.6	558.5	549.5	618.9	646.1
60°	966.1	498.1	483.0	552.5	579.6
62.5°	769.8	440.8	431.7	492.1	516.2
65°	603.8	389.5	383.4	437.8	452.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	477.0	341.1	344.2	389.5	407.6
70°	368.3	295.9	314.0	356.2	368.3
72.5°	277.7	250.6	289.8	326.1	341.1
75°	205.3	211.3	265.7	304.9	320.0
77.5°	141.9	175.1	244.5	286.8	301.9
80°	96.6	141.9	223.4	271.7	289.8
82.5°	57.4	117.7	205.3	256.6	277.7
85°	27.2	96.6	187.2	244.5	262.7
87.5°	9.1	78.5	169.1	232.5	247.6
90°	0.0	66.4	157.0	217.4	226.4
92.5°	0.0	57.4	141.9	199.3	205.3
95°	0.0	48.3	129.8	178.1	187.2
97.5°	0.0	45.3	120.8	160.0	172.1
100°	0.0	42.3	108.7	144.9	157.0
102.5°	0.0	36.2	96.6	129.8	141.9
105°	0.0	36.2	84.5	120.8	129.8
107.5°	3.0	33.2	78.5	108.7	120.8
110°	3.0	33.2	69.4	102.6	111.7
112.5°	3.0	33.2	66.4	93.6	105.7
115°	3.0	30.2	63.4	87.6	93.6
117.5°	3.0	30.2	60.4	78.5	84.5
120°	3.0	27.2	57.4	72.5	75.5
122.5°	3.0	27.2	54.3	66.4	69.4
125°	3.0	27.2	54.3	63.4	66.4
127.5°	3.0	24.2	51.3	60.4	60.4
130°	3.0	24.2	48.3	57.4	57.4
132.5°	3.0	21.1	45.3	54.3	57.4
135°	3.0	21.1	42.3	51.3	54.3
137.5°	3.0	18.1	39.2	48.3	51.3
140°	3.0	18.1	36.2	45.3	48.3
142.5°	3.0	15.1	33.2	42.3	45.3
145°	3.0	15.1	30.2	39.2	42.3
147.5°	3.0	15.1	27.2	36.2	39.2
150°	3.0	12.1	24.2	33.2	36.2
152.5°	3.0	12.1	21.1	30.2	33.2
155°	3.0	9.1	18.1	27.2	30.2
157.5°	3.0	9.1	18.1	24.2	27.2
160°	6.0	9.1	15.1	21.1	24.2
162.5°	3.0	6.0	15.1	18.1	21.1
165°	6.0	6.0	12.1	15.1	18.1
167.5°	6.0	6.0	9.1	12.1	15.1
170°	6.0	6.0	9.1	9.1	12.1
172.5°	6.0	6.0	6.0	9.1	6.0
175°	6.0	6.0	6.0	6.0	3.0
177.5°	6.0	6.0	6.0	6.0	3.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	6.0	6.0	6.0	6.0	6.0

(END OF REPORT)