

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: P567897

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567897
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-L950-CD
Description: 8FT 6200 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

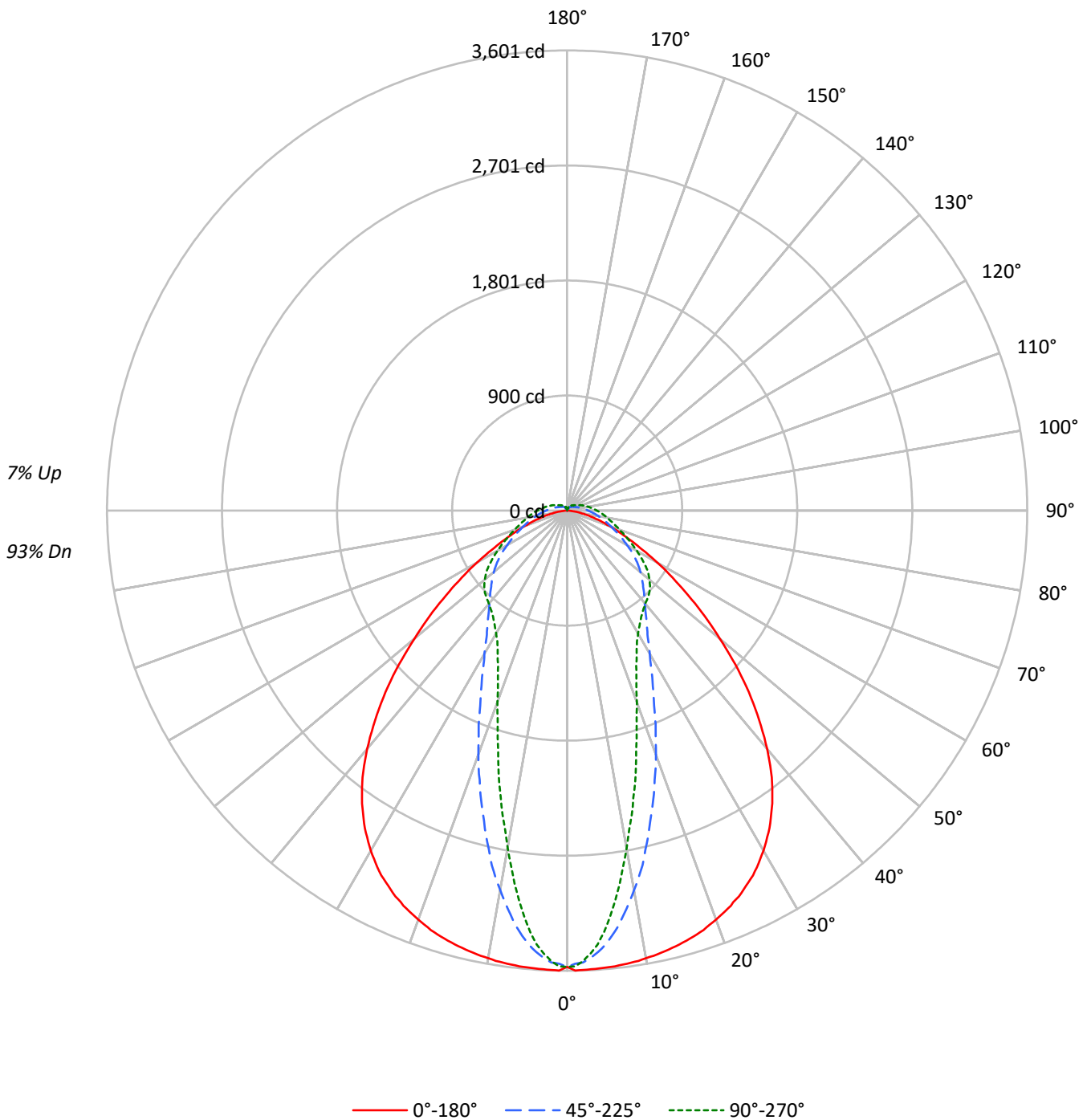
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5692.0 lumens
Efficiency: N/A
Efficacy: 145.9 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	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°	19218	19218	19218
5°	19353	17685	16903
10°	19361	15181	13114
15°	19389	12397	9829
20°	19365	9886	7356
25°	19229	7755	5838
30°	18868	6283	4980
35°	18120	5322	4530
40°	16808	4704	4287
45°	14991	4308	4155
50°	12747	3970	3925
55°	10520	3601	3585
60°	8461	3172	3144
65°	6618	2790	2736
70°	5194	2472	2420
75°	4086	2226	2205
80°	2977	2043	2050
85°	1786	1911	1966



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	316.2	5.6
10°-20°	741.2	13.0
20°-30°	879.8	15.5
30°-40°	885.2	15.6
40°-50°	822.8	14.5
50°-60°	677.5	11.9
60°-70°	477.4	8.4
70°-80°	311.9	5.5
80°-90°	199.1	3.5
90°-100°	130.6	2.3
100°-110°	88.7	1.6
110°-120°	60.8	1.1
120°-130°	42.0	0.7
130°-140°	28.3	0.5
140°-150°	17.4	0.3
150°-160°	9.0	0.2
160°-170°	3.3	0.1
170°-180°	0.6	0.0
0°-30°	1937.2	34.0
0°-40°	2822.4	49.6
0°-60°	4322.8	75.9
0°-90°	5311.3	93.3
90°-120°	280.0	4.9
90°-150°	367.8	6.5
90°-180°	381.0	6.7
0°-180°	5692.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3571	3571	3571	3571	3571	
5°	3589	3541	3413	3347	3311	342
15°	3499	3126	2515	2198	2079	988
25°	3270	2416	1602	1345	1289	1505
35°	2798	1635	1086	1017	1011	1740
45°	2011	1077	841	886	910	1544
55°	1154	707	650	722	746	1043
65°	543	427	448	504	522	551
75°	212	221	301	355	370	229
85°	36	101	203	262	274	45
90°	0	69	164	224	233	2
95°	0	51	137	188	197	0
105°	0	36	92	131	143	0
115°	3	30	66	96	101	3
125°	3	24	54	69	75	3
135°	3	21	42	54	57	2
145°	3	15	30	42	45	2
155°	3	12	21	30	33	1
165°	3	6	12	15	18	1
175°	6	6	6	6	3	0
180°	3	3	3	3	3	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3570.8	3570.8	3570.8	3570.8	3570.8
1°	3600.6	3585.7	3546.9	3573.7	3567.8
2°	3597.6	3582.7	3537.9	3549.9	3529.0
3°	3594.6	3573.7	3505.1	3502.2	3472.3
4°	3591.6	3558.8	3463.4	3427.6	3403.7
5°	3588.7	3540.9	3412.7	3347.0	3311.2
6°	3585.7	3520.0	3347.0	3248.6	3197.9
7°	3579.7	3487.2	3278.4	3144.2	3078.6
8°	3573.7	3457.4	3191.9	3030.8	2950.3
9°	3567.8	3418.6	3105.4	2908.5	2813.1
10°	3555.8	3379.8	3015.9	2783.2	2681.8
11°	3549.9	3335.1	2929.4	2663.9	2544.6
12°	3537.9	3287.4	2836.9	2538.6	2434.2
13°	3526.0	3236.7	2723.6	2431.2	2305.9
14°	3514.1	3183.0	2625.1	2311.9	2195.6
15°	3499.2	3126.3	2514.7	2198.5	2079.2
16°	3484.3	3060.7	2416.3	2082.2	1956.9
17°	3469.3	2998.0	2323.8	1974.8	1861.4
18°	3451.4	2935.4	2216.4	1870.4	1760.0
19°	3427.6	2863.8	2129.9	1774.9	1673.5
20°	3406.7	2798.1	2031.5	1685.4	1596.0
21°	3382.8	2717.6	1933.0	1601.9	1512.4
22.5°	3347.0	2604.2	1807.8	1497.5	1414.0
23°	3329.1	2571.4	1757.0	1458.7	1387.1
24°	3305.3	2484.9	1673.5	1399.1	1327.5
25°	3269.5	2416.3	1601.9	1345.4	1288.7
26°	3236.7	2332.8	1530.3	1297.6	1241.0
27°	3203.8	2252.2	1467.7	1246.9	1199.2
28°	3162.1	2168.7	1399.1	1205.2	1163.4
29°	3117.3	2091.1	1342.4	1169.4	1136.6
30°	3072.6	2004.6	1294.7	1136.6	1109.7
32.5°	2947.3	1813.7	1172.4	1073.9	1056.0
35°	2798.1	1634.7	1085.8	1017.2	1011.3
37.5°	2631.1	1470.7	1008.3	972.5	978.5
40°	2434.2	1321.5	942.7	939.7	951.6
42.5°	2225.4	1193.2	891.9	912.8	930.7
45°	2010.6	1076.9	841.2	886.0	909.8
47.5°	1786.9	975.5	796.5	853.2	880.0
50°	1560.2	877.0	748.8	814.4	841.2
52.5°	1357.3	790.5	701.0	769.6	799.5
55°	1154.5	707.0	650.3	721.9	745.8
57.5°	978.5	629.4	596.6	668.2	686.1
60°	814.4	554.9	542.9	608.6	629.4
62.5°	665.2	489.2	492.2	554.9	575.7
65°	542.9	426.6	447.5	504.1	522.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	441.5	366.9	402.7	462.4	477.3
70°	349.0	313.2	366.9	420.6	435.5
72.5°	277.4	265.5	331.1	387.8	399.7
75°	211.8	220.7	301.3	355.0	369.9
77.5°	152.1	185.0	271.5	328.1	340.1
80°	107.4	152.1	247.6	304.3	316.2
82.5°	68.6	125.3	223.7	283.4	295.3
85°	35.8	101.4	202.9	262.5	274.4
87.5°	14.9	83.5	182.0	241.6	253.6
90°	0.0	68.6	164.1	223.7	232.7
92.5°	0.0	59.7	149.2	205.8	214.8
95°	0.0	50.7	137.2	187.9	196.9
97.5°	0.0	47.7	122.3	173.0	182.0
100°	0.0	41.8	110.4	158.1	170.0
102.5°	0.0	38.8	101.4	143.2	155.1
105°	0.0	35.8	92.5	131.3	143.2
107.5°	0.0	32.8	86.5	122.3	131.3
110°	0.0	32.8	77.6	113.4	122.3
112.5°	3.0	29.8	71.6	101.4	110.4
115°	3.0	29.8	65.6	95.5	101.4
117.5°	3.0	29.8	62.6	86.5	92.5
120°	3.0	26.8	59.7	80.5	86.5
122.5°	3.0	26.8	56.7	74.6	77.6
125°	3.0	23.9	53.7	68.6	74.6
127.5°	3.0	23.9	50.7	65.6	68.6
130°	3.0	23.9	47.7	59.7	65.6
132.5°	3.0	20.9	44.7	56.7	59.7
135°	3.0	20.9	41.8	53.7	56.7
137.5°	3.0	17.9	38.8	50.7	53.7
140°	3.0	17.9	35.8	47.7	50.7
142.5°	3.0	14.9	32.8	44.7	47.7
145°	3.0	14.9	29.8	41.8	44.7
147.5°	3.0	14.9	26.8	38.8	41.8
150°	3.0	11.9	23.9	35.8	38.8
152.5°	3.0	11.9	20.9	32.8	35.8
155°	3.0	11.9	20.9	29.8	32.8
157.5°	3.0	8.9	17.9	23.9	29.8
160°	3.0	8.9	14.9	20.9	26.8
162.5°	3.0	8.9	14.9	17.9	20.9
165°	3.0	6.0	11.9	14.9	17.9
167.5°	3.0	6.0	8.9	11.9	14.9
170°	3.0	6.0	8.9	8.9	11.9
172.5°	3.0	6.0	6.0	6.0	6.0
175°	6.0	6.0	6.0	6.0	3.0
177.5°	6.0	6.0	6.0	3.0	3.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	3.0	3.0	3.0	3.0	3.0

(END OF REPORT)