

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: P567885

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567885
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-L850-CD
Description: 8FT 6200 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

Summary

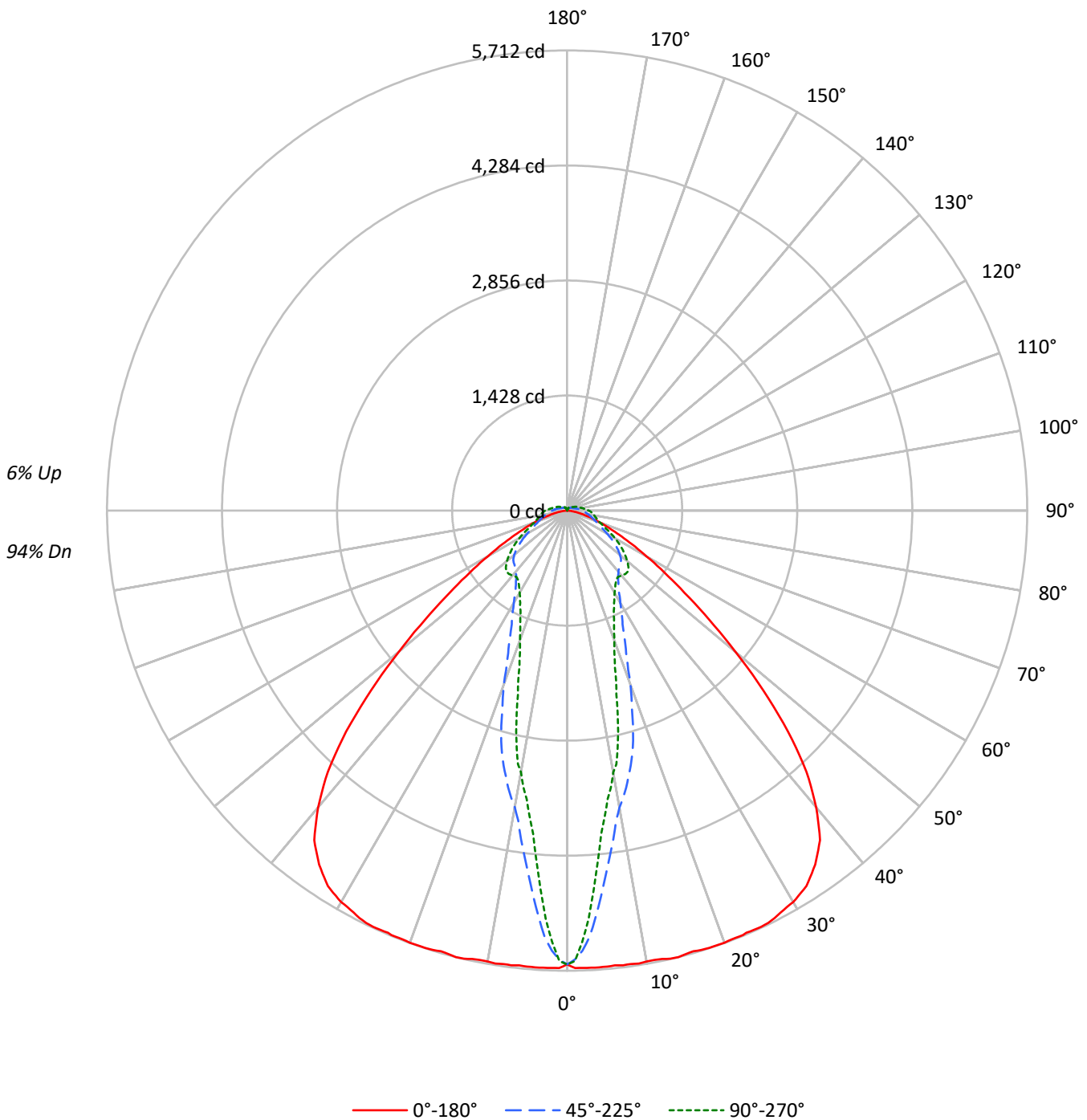
Lumens per Lamp: N/A
Luminaire Lumens: 6944.0 lumens
Efficiency: N/A
Efficacy: 178.1 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 39
Input Voltage (V): NR
Input Current (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°	30318	30318	30318
5°	30647	24933	22289
10°	30944	18844	16132
15°	31569	15420	11170
20°	32446	11170	7889
25°	33528	8011	6207
30°	34462	6407	5286
35°	34751	5425	4734
40°	33222	4937	4746
45°	28921	4775	4875
50°	22271	4546	4550
55°	16213	3981	4037
60°	11831	3327	3413
65°	8676	2817	2798
70°	6463	2493	2413
75°	4669	2314	2249
80°	3157	2172	2214
85°	1596	2078	2218



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	443.0	6.4
10°-20°	962.0	13.9
20°-30°	1101.2	15.9
30°-40°	1103.1	15.9
40°-50°	1044.3	15.0
50°-60°	800.9	11.5
60°-70°	516.2	7.4
70°-80°	329.2	4.7
80°-90°	218.6	3.1
90°-100°	146.9	2.1
100°-110°	96.8	1.4
110°-120°	67.3	1.0
120°-130°	47.0	0.7
130°-140°	32.6	0.5
140°-150°	20.0	0.3
150°-160°	10.1	0.1
160°-170°	3.9	0.1
170°-180°	0.8	0.0
0°-30°	2506.2	36.1
0°-40°	3609.4	52.0
0°-60°	5454.5	78.6
0°-90°	6518.5	93.9
90°-120°	311.1	4.5
90°-150°	410.7	5.9
90°-180°	425.0	6.1
0°-180°	6944.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5633	5633	5633	5633	5633	
5°	5683	5370	4811	4487	4366	543
15°	5697	4103	3128	2569	2363	1616
25°	5701	2904	1655	1438	1370	2628
35°	5366	1616	1107	1071	1057	3330
45°	3879	1021	932	1032	1068	2949
55°	1779	730	719	808	840	1636
65°	712	459	452	516	534	732
75°	242	249	313	359	377	266
85°	32	114	221	288	310	44
90°	0	78	185	256	267	1
95°	0	57	153	210	221	0
105°	0	43	100	142	153	2
115°	4	36	75	103	110	4
125°	4	32	64	75	78	3
135°	4	25	50	60	64	3
145°	4	18	36	46	50	2
155°	4	11	21	32	36	2
165°	7	7	14	18	21	2
175°	7	7	7	7	4	1
180°	7	7	7	7	7	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5633.3	5633.3	5633.3	5633.3	5633.3
1°	5679.6	5647.5	5572.8	5594.2	5590.6
2°	5679.6	5612.0	5466.1	5423.4	5359.3
3°	5683.1	5551.5	5302.4	5163.6	5074.6
4°	5683.1	5462.5	5060.4	4829.1	4715.2
5°	5683.1	5370.0	4811.3	4487.4	4366.4
6°	5676.0	5259.7	4558.6	4217.0	4035.5
7°	5686.7	5138.7	4330.9	3964.3	3822.0
8°	5683.1	4996.3	4120.9	3772.1	3615.6
9°	5693.8	4857.5	3893.1	3590.7	3473.2
10°	5683.1	4729.4	3743.7	3419.8	3298.8
11°	5683.1	4604.9	3636.9	3309.5	3206.3
12°	5690.2	4462.5	3519.5	3152.9	3010.6
13°	5708.0	4316.6	3384.3	2982.1	2814.9
14°	5711.6	4206.3	3259.7	2765.1	2590.7
15°	5697.4	4103.1	3128.0	2569.3	2362.9
16°	5690.2	3996.3	2971.5	2384.3	2199.2
17°	5704.5	3871.8	2793.5	2195.7	2024.9
18°	5708.0	3757.9	2604.9	2053.3	1903.9
19°	5708.0	3668.9	2451.9	1921.7	1793.5
20°	5708.0	3583.5	2295.3	1822.0	1711.7
21°	5700.9	3476.8	2117.4	1718.8	1626.3
22.5°	5704.5	3277.5	1914.5	1597.8	1523.1
23°	5693.8	3227.7	1864.7	1565.8	1487.5
24°	5697.4	3085.3	1758.0	1501.7	1427.0
25°	5700.9	2903.8	1654.8	1437.7	1370.1
26°	5693.8	2757.9	1569.4	1377.2	1330.9
27°	5676.0	2640.5	1508.9	1327.4	1284.7
28°	5651.1	2483.9	1444.8	1284.7	1245.5
29°	5626.2	2306.0	1380.7	1238.4	1209.9
30°	5612.0	2163.6	1320.3	1202.8	1177.9
32.5°	5526.6	1882.5	1195.7	1131.6	1110.3
35°	5366.4	1615.6	1106.7	1071.1	1056.9
37.5°	5156.5	1409.2	1039.1	1032.0	1035.6
40°	4811.3	1245.5	989.3	1021.3	1053.4
42.5°	4398.5	1117.4	953.7	1032.0	1067.6
45°	3878.9	1021.3	932.4	1032.0	1067.6
47.5°	3302.4	943.0	907.5	996.4	1032.0
50°	2725.9	871.9	857.6	943.0	975.1
52.5°	2217.0	804.3	793.6	875.4	907.5
55°	1779.3	729.5	718.8	807.8	839.8
57.5°	1427.0	658.3	647.7	729.5	761.5
60°	1138.8	587.2	569.4	651.2	683.3
62.5°	907.5	519.6	508.9	580.1	608.5
65°	711.7	459.1	451.9	516.0	533.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	562.3	402.1	405.7	459.1	480.4
70°	434.2	348.7	370.1	419.9	434.2
72.5°	327.4	295.4	341.6	384.3	402.1
75°	242.0	249.1	313.2	359.4	377.2
77.5°	167.3	206.4	288.2	338.1	355.9
80°	113.9	167.3	263.3	320.3	341.6
82.5°	67.6	138.8	242.0	302.5	327.4
85°	32.0	113.9	220.6	288.2	309.6
87.5°	10.7	92.5	199.3	274.0	291.8
90°	0.0	78.3	185.0	256.2	266.9
92.5°	0.0	67.6	167.3	234.9	242.0
95°	0.0	56.9	153.0	210.0	220.6
97.5°	0.0	53.4	142.3	188.6	202.8
100°	0.0	49.8	128.1	170.8	185.0
102.5°	0.0	42.7	113.9	153.0	167.3
105°	0.0	42.7	99.6	142.3	153.0
107.5°	3.6	39.1	92.5	128.1	142.3
110°	3.6	39.1	81.8	121.0	131.7
112.5°	3.6	39.1	78.3	110.3	124.6
115°	3.6	35.6	74.7	103.2	110.3
117.5°	3.6	35.6	71.2	92.5	99.6
120°	3.6	32.0	67.6	85.4	89.0
122.5°	3.6	32.0	64.1	78.3	81.8
125°	3.6	32.0	64.1	74.7	78.3
127.5°	3.6	28.5	60.5	71.2	71.2
130°	3.6	28.5	56.9	67.6	67.6
132.5°	3.6	24.9	53.4	64.1	67.6
135°	3.6	24.9	49.8	60.5	64.1
137.5°	3.6	21.4	46.3	56.9	60.5
140°	3.6	21.4	42.7	53.4	56.9
142.5°	3.6	17.8	39.1	49.8	53.4
145°	3.6	17.8	35.6	46.3	49.8
147.5°	3.6	17.8	32.0	42.7	46.3
150°	3.6	14.2	28.5	39.1	42.7
152.5°	3.6	14.2	24.9	35.6	39.1
155°	3.6	10.7	21.4	32.0	35.6
157.5°	3.6	10.7	21.4	28.5	32.0
160°	7.1	10.7	17.8	24.9	28.5
162.5°	3.6	7.1	17.8	21.4	24.9
165°	7.1	7.1	14.2	17.8	21.4
167.5°	7.1	7.1	10.7	14.2	17.8
170°	7.1	7.1	10.7	10.7	14.2
172.5°	7.1	7.1	7.1	10.7	7.1
175°	7.1	7.1	7.1	7.1	3.6
177.5°	7.1	7.1	7.1	7.1	3.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	7.1	7.1	7.1	7.1	7.1

(END OF REPORT)