

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: P567935

Luminaire Tested: **8SNX-66SL-LC-UNV-L935-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567935  
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-66SL-LC-UNV-L935-CD  
Description: 8FT 6600 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LC LENS  
Light Source: -  
Ballast/Driver: -

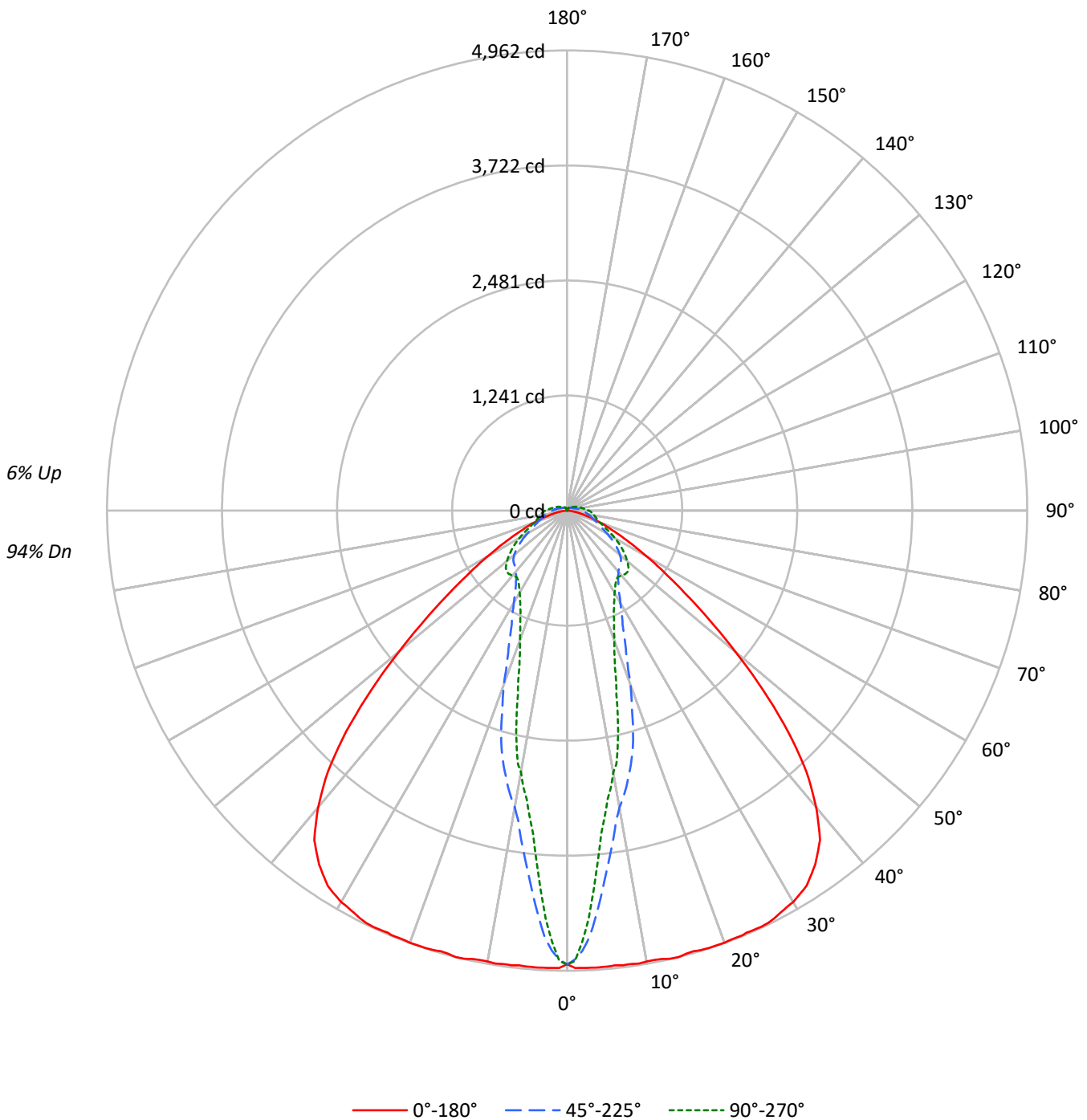
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6032.0 lumens  
Efficiency: N/A  
Efficacy: 142.9 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): 42.2  
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°	26337	26337	26337
5°	26622	21658	19362
10°	26880	16369	14013
15°	27422	13395	9703
20°	28185	9703	6853
25°	29125	6958	5391
30°	29935	5565	4591
35°	30187	4712	4112
40°	28858	4288	4122
45°	25123	4148	4235
50°	19346	3950	3952
55°	14084	3458	3506
60°	10277	2890	2965
65°	7537	2448	2430
70°	5613	2166	2096
75°	4056	2010	1954
80°	2741	1887	1924
85°	1387	1805	1926



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	384.8	6.4
10°-20°	835.7	13.9
20°-30°	956.6	15.9
30°-40°	958.3	15.9
40°-50°	907.1	15.0
50°-60°	695.7	11.5
60°-70°	448.4	7.4
70°-80°	286.0	4.7
80°-90°	189.9	3.1
90°-100°	127.6	2.1
100°-110°	84.1	1.4
110°-120°	58.5	1.0
120°-130°	40.8	0.7
130°-140°	28.3	0.5
140°-150°	17.3	0.3
150°-160°	8.8	0.1
160°-170°	3.4	0.1
170°-180°	0.7	0.0
0°-30°	2177.1	36.1
0°-40°	3135.3	52.0
0°-60°	4738.2	78.6
0°-90°	5662.4	93.9
90°-120°	270.3	4.5
90°-150°	356.7	5.9
90°-180°	370.0	6.1
0°-180°	6032.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4894	4894	4894	4894	4894	
5°	4937	4665	4179	3898	3793	471
15°	4949	3564	2717	2232	2053	1404
25°	4952	2522	1437	1249	1190	2283
35°	4662	1403	961	930	918	2892
45°	3370	887	810	896	927	2562
55°	1546	634	624	702	730	1421
65°	618	399	393	448	464	636
75°	210	216	272	312	328	231
85°	28	99	192	250	269	38
90°	0	68	161	223	232	1
95°	0	50	133	182	192	0
105°	0	37	87	124	133	2
115°	3	31	65	90	96	3
125°	3	28	56	65	68	3
135°	3	22	43	53	56	2
145°	3	16	31	40	43	2
155°	3	9	18	28	31	2
165°	6	6	12	16	18	2
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°	4893.5	4893.5	4893.5	4893.5	4893.5
1°	4933.6	4905.8	4840.9	4859.4	4856.4
2°	4933.6	4874.9	4748.2	4711.1	4655.4
3°	4936.7	4822.4	4606.0	4485.4	4408.1
4°	4936.7	4745.1	4395.8	4194.8	4095.9
5°	4936.7	4664.7	4179.4	3898.1	3793.0
6°	4930.5	4568.9	3959.9	3663.1	3505.5
7°	4939.8	4463.8	3762.1	3443.7	3320.0
8°	4936.7	4340.1	3579.7	3276.7	3140.7
9°	4946.0	4219.6	3381.8	3119.1	3017.1
10°	4936.7	4108.3	3252.0	2970.7	2865.6
11°	4936.7	4000.1	3159.3	2874.9	2785.2
12°	4942.9	3876.4	3057.2	2738.8	2615.2
13°	4958.4	3749.7	2939.8	2590.5	2445.2
14°	4961.5	3653.9	2831.6	2401.9	2250.4
15°	4949.1	3564.2	2717.2	2231.9	2052.6
16°	4942.9	3471.5	2581.2	2071.1	1910.4
17°	4955.3	3363.3	2426.6	1907.3	1758.9
18°	4958.4	3264.4	2262.8	1783.7	1653.8
19°	4958.4	3187.1	2129.9	1669.3	1558.0
20°	4958.4	3112.9	1993.9	1582.7	1486.9
21°	4952.2	3020.2	1839.3	1493.1	1412.7
22.5°	4955.3	2847.0	1663.1	1388.0	1323.1
23°	4946.0	2803.8	1619.8	1360.2	1292.1
24°	4949.1	2680.1	1527.1	1304.5	1239.6
25°	4952.2	2522.5	1437.4	1248.9	1190.1
26°	4946.0	2395.7	1363.2	1196.3	1156.1
27°	4930.5	2293.7	1310.7	1153.0	1115.9
28°	4908.9	2157.7	1255.0	1115.9	1081.9
29°	4887.3	2003.1	1199.4	1075.8	1051.0
30°	4874.9	1879.5	1146.9	1044.8	1023.2
32.5°	4800.7	1635.3	1038.7	983.0	964.5
35°	4661.6	1403.4	961.4	930.5	918.1
37.5°	4479.2	1224.1	902.6	896.5	899.6
40°	4179.4	1081.9	859.4	887.2	915.0
42.5°	3820.8	970.7	828.5	896.5	927.4
45°	3369.5	887.2	809.9	896.5	927.4
47.5°	2868.7	819.2	788.3	865.6	896.5
50°	2367.9	757.4	745.0	819.2	847.0
52.5°	1925.8	698.6	689.3	760.4	788.3
55°	1545.6	633.7	624.4	701.7	729.5
57.5°	1239.6	571.9	562.6	633.7	661.5
60°	989.2	510.1	494.6	565.7	593.5
62.5°	788.3	451.3	442.0	503.9	528.6
65°	618.3	398.8	392.6	448.2	463.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	488.4	349.3	352.4	398.8	417.3
70°	377.1	302.9	321.5	364.8	377.1
72.5°	284.4	256.6	296.8	333.9	349.3
75°	210.2	216.4	272.0	312.2	327.7
77.5°	145.3	179.3	250.4	293.7	309.1
80°	98.9	145.3	228.8	278.2	296.8
82.5°	58.7	120.6	210.2	262.8	284.4
85°	27.8	98.9	191.7	250.4	268.9
87.5°	9.3	80.4	173.1	238.0	253.5
90°	0.0	68.0	160.7	222.6	231.8
92.5°	0.0	58.7	145.3	204.0	210.2
95°	0.0	49.5	132.9	182.4	191.7
97.5°	0.0	46.4	123.7	163.8	176.2
100°	0.0	43.3	111.3	148.4	160.7
102.5°	0.0	37.1	98.9	132.9	145.3
105°	0.0	37.1	86.6	123.7	132.9
107.5°	3.1	34.0	80.4	111.3	123.7
110°	3.1	34.0	71.1	105.1	114.4
112.5°	3.1	34.0	68.0	95.8	108.2
115°	3.1	30.9	64.9	89.6	95.8
117.5°	3.1	30.9	61.8	80.4	86.6
120°	3.1	27.8	58.7	74.2	77.3
122.5°	3.1	27.8	55.6	68.0	71.1
125°	3.1	27.8	55.6	64.9	68.0
127.5°	3.1	24.7	52.6	61.8	61.8
130°	3.1	24.7	49.5	58.7	58.7
132.5°	3.1	21.6	46.4	55.6	58.7
135°	3.1	21.6	43.3	52.6	55.6
137.5°	3.1	18.5	40.2	49.5	52.6
140°	3.1	18.5	37.1	46.4	49.5
142.5°	3.1	15.5	34.0	43.3	46.4
145°	3.1	15.5	30.9	40.2	43.3
147.5°	3.1	15.5	27.8	37.1	40.2
150°	3.1	12.4	24.7	34.0	37.1
152.5°	3.1	12.4	21.6	30.9	34.0
155°	3.1	9.3	18.5	27.8	30.9
157.5°	3.1	9.3	18.5	24.7	27.8
160°	6.2	9.3	15.5	21.6	24.7
162.5°	3.1	6.2	15.5	18.5	21.6
165°	6.2	6.2	12.4	15.5	18.5
167.5°	6.2	6.2	9.3	12.4	15.5
170°	6.2	6.2	9.3	9.3	12.4
172.5°	6.2	6.2	6.2	9.3	6.2
175°	6.2	6.2	6.2	6.2	3.1
177.5°	6.2	6.2	6.2	6.2	3.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	6.2	6.2	6.2	6.2	6.2

(END OF REPORT)