

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: P567936

Luminaire Tested: **8SNX-66SL-LC-UNV-L940-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567936  
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-L940-CD  
Description: 8FT 6600 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LC LENS  
Light Source: -  
Ballast/Driver: -

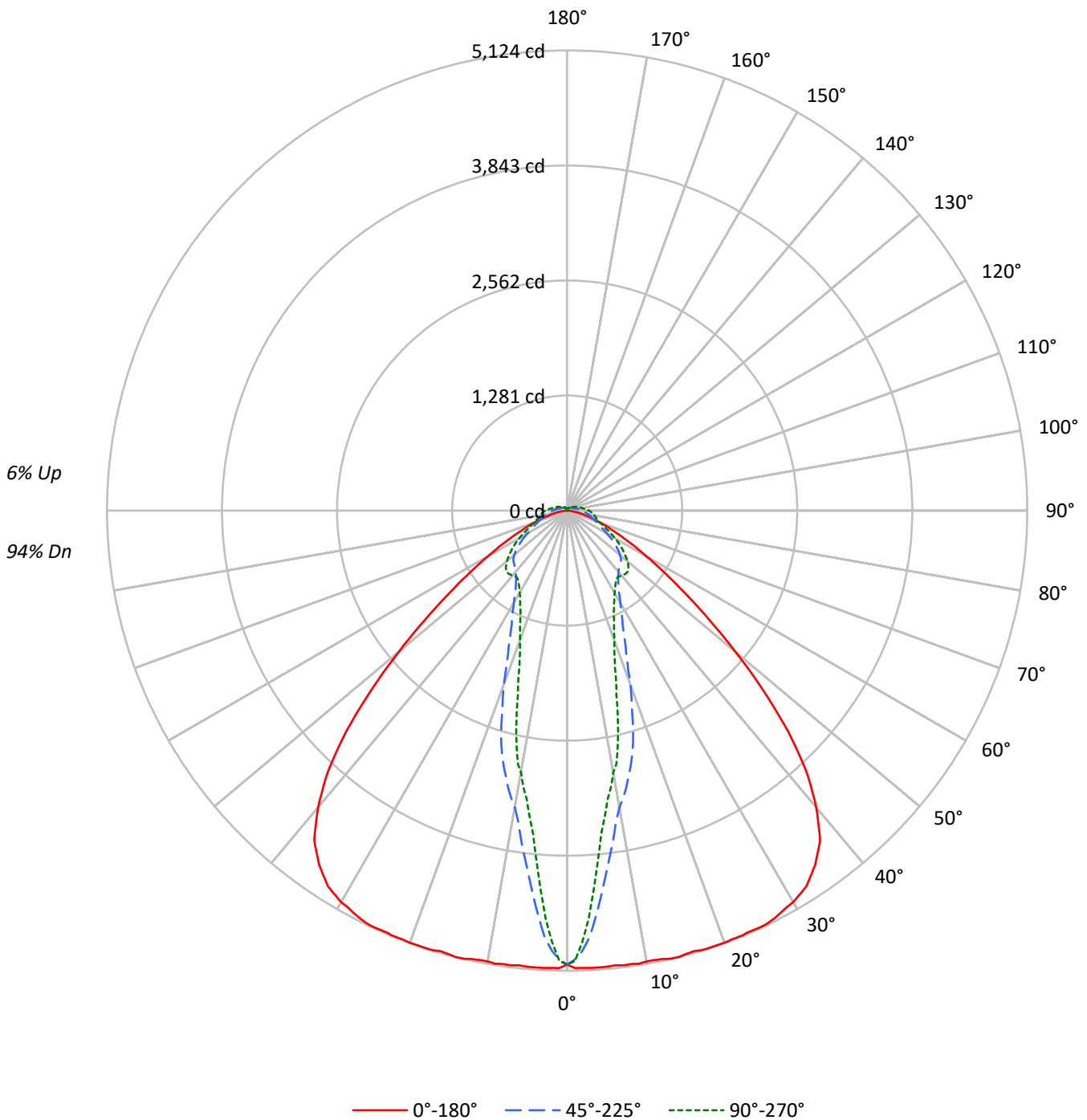
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6230.0 lumens  
Efficiency: N/A  
Efficacy: 147.6 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°	27201	27201	27201
5°	27496	22369	19998
10°	27763	16906	14473
15°	28322	13835	10022
20°	29110	10021	7078
25°	30081	7187	5568
30°	30918	5748	4742
35°	31178	4867	4247
40°	29806	4429	4258
45°	25947	4284	4374
50°	19981	4079	4082
55°	14546	3572	3622
60°	10614	2985	3062
65°	7783	2528	2510
70°	5797	2237	2164
75°	4189	2076	2017
80°	2833	1949	1987
85°	1431	1864	1990



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	397.5	6.4
10°-20°	863.1	13.9
20°-30°	988.0	15.9
30°-40°	989.7	15.9
40°-50°	936.9	15.0
50°-60°	718.5	11.5
60°-70°	463.1	7.4
70°-80°	295.3	4.7
80°-90°	196.1	3.1
90°-100°	131.8	2.1
100°-110°	86.9	1.4
110°-120°	60.4	1.0
120°-130°	42.1	0.7
130°-140°	29.3	0.5
140°-150°	17.9	0.3
150°-160°	9.1	0.1
160°-170°	3.5	0.1
170°-180°	0.7	0.0
0°-30°	2248.5	36.1
0°-40°	3238.3	52.0
0°-60°	4893.7	78.6
0°-90°	5848.3	93.9
90°-120°	279.1	4.5
90°-150°	368.5	5.9
90°-180°	382.0	6.1
0°-180°	6230.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	5054	5054	5054	5054	5054	
5°	5099	4818	4317	4026	3918	487
15°	5112	3681	2806	2305	2120	1450
25°	5115	2605	1485	1290	1229	2358
35°	4815	1450	993	961	948	2987
45°	3480	916	836	926	958	2646
55°	1596	654	645	725	754	1468
65°	638	412	406	463	479	657
75°	217	224	281	322	338	239
85°	29	102	198	259	278	39
90°	0	70	166	230	240	1
95°	0	51	137	188	198	0
105°	0	38	89	128	137	2
115°	3	32	67	93	99	3
125°	3	29	58	67	70	3
135°	3	22	45	54	58	2
145°	3	16	32	42	45	2
155°	3	10	19	29	32	2
165°	6	6	13	16	19	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°	5054.1	5054.1	5054.1	5054.1	5054.1
1°	5095.6	5066.8	4999.8	5019.0	5015.8
2°	5095.6	5034.9	4904.0	4865.7	4808.2
3°	5098.8	4980.6	4757.2	4632.6	4552.8
4°	5098.8	4900.8	4540.1	4332.5	4230.4
5°	5098.8	4817.8	4316.6	4026.0	3917.5
6°	5092.4	4718.8	4089.9	3783.4	3620.5
7°	5102.0	4610.3	3885.5	3556.7	3429.0
8°	5098.8	4482.6	3697.2	3384.3	3243.8
9°	5108.4	4358.1	3492.8	3221.5	3116.1
10°	5098.8	4243.1	3358.7	3068.2	2959.7
11°	5098.8	4131.4	3263.0	2969.2	2876.6
12°	5105.2	4003.7	3157.6	2828.8	2701.0
13°	5121.1	3872.8	3036.3	2675.5	2525.4
14°	5124.3	3773.8	2924.5	2480.7	2324.3
15°	5111.5	3681.2	2806.4	2305.1	2120.0
16°	5105.2	3585.4	2665.9	2139.1	1973.1
17°	5117.9	3473.7	2506.3	1969.9	1816.7
18°	5121.1	3371.5	2337.1	1842.2	1708.1
19°	5121.1	3291.7	2199.8	1724.1	1609.1
20°	5121.1	3215.1	2059.3	1634.7	1535.7
21°	5114.7	3119.3	1899.7	1542.1	1459.1
22.5°	5117.9	2940.5	1717.7	1433.5	1366.5
23°	5108.4	2895.8	1673.0	1404.8	1334.6
24°	5111.5	2768.1	1577.2	1347.3	1280.3
25°	5114.7	2605.3	1484.6	1289.9	1229.2
26°	5108.4	2474.4	1408.0	1235.6	1194.1
27°	5092.4	2369.0	1353.7	1190.9	1152.6
28°	5070.0	2228.5	1296.2	1152.6	1117.5
29°	5047.7	2068.9	1238.8	1111.1	1085.5
30°	5034.9	1941.2	1184.5	1079.1	1056.8
32.5°	4958.3	1688.9	1072.8	1015.3	996.1
35°	4814.6	1449.5	992.9	961.0	948.2
37.5°	4626.3	1264.3	932.3	925.9	929.1
40°	4316.6	1117.5	887.6	916.3	945.0
42.5°	3946.2	1002.5	855.6	925.9	957.8
45°	3480.1	916.3	836.5	925.9	957.8
47.5°	2962.8	846.1	814.1	894.0	925.9
50°	2445.6	782.2	769.4	846.1	874.8
52.5°	1989.1	721.6	712.0	785.4	814.1
55°	1596.4	654.5	644.9	724.7	753.5
57.5°	1280.3	590.7	581.1	654.5	683.2
60°	1021.7	526.8	510.8	584.3	613.0
62.5°	814.1	466.1	456.6	520.4	546.0
65°	638.5	411.9	405.5	462.9	478.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	504.5	360.8	364.0	411.9	431.0
70°	389.5	312.9	332.0	376.7	389.5
72.5°	293.7	265.0	306.5	344.8	360.8
75°	217.1	223.5	281.0	322.5	338.4
77.5°	150.1	185.2	258.6	303.3	319.3
80°	102.2	150.1	236.3	287.3	306.5
82.5°	60.7	124.5	217.1	271.4	293.7
85°	28.7	102.2	197.9	258.6	277.8
87.5°	9.6	83.0	178.8	245.8	261.8
90°	0.0	70.2	166.0	229.9	239.5
92.5°	0.0	60.7	150.1	210.7	217.1
95°	0.0	51.1	137.3	188.4	197.9
97.5°	0.0	47.9	127.7	169.2	182.0
100°	0.0	44.7	114.9	153.3	166.0
102.5°	0.0	38.3	102.2	137.3	150.1
105°	0.0	38.3	89.4	127.7	137.3
107.5°	3.2	35.1	83.0	114.9	127.7
110°	3.2	35.1	73.4	108.6	118.1
112.5°	3.2	35.1	70.2	99.0	111.7
115°	3.2	31.9	67.0	92.6	99.0
117.5°	3.2	31.9	63.9	83.0	89.4
120°	3.2	28.7	60.7	76.6	79.8
122.5°	3.2	28.7	57.5	70.2	73.4
125°	3.2	28.7	57.5	67.0	70.2
127.5°	3.2	25.5	54.3	63.9	63.9
130°	3.2	25.5	51.1	60.7	60.7
132.5°	3.2	22.3	47.9	57.5	60.7
135°	3.2	22.3	44.7	54.3	57.5
137.5°	3.2	19.2	41.5	51.1	54.3
140°	3.2	19.2	38.3	47.9	51.1
142.5°	3.2	16.0	35.1	44.7	47.9
145°	3.2	16.0	31.9	41.5	44.7
147.5°	3.2	16.0	28.7	38.3	41.5
150°	3.2	12.8	25.5	35.1	38.3
152.5°	3.2	12.8	22.3	31.9	35.1
155°	3.2	9.6	19.2	28.7	31.9
157.5°	3.2	9.6	19.2	25.5	28.7
160°	6.4	9.6	16.0	22.3	25.5
162.5°	3.2	6.4	16.0	19.2	22.3
165°	6.4	6.4	12.8	16.0	19.2
167.5°	6.4	6.4	9.6	12.8	16.0
170°	6.4	6.4	9.6	9.6	12.8
172.5°	6.4	6.4	6.4	9.6	6.4
175°	6.4	6.4	6.4	6.4	3.2
177.5°	6.4	6.4	6.4	6.4	3.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	6.4	6.4	6.4	6.4	6.4

(END OF REPORT)