

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: P568033

Luminaire Tested: **8SNX-82SL-LC-UNV-L950-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P568033  
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-82SL-LC-UNV-L950-CD  
Description: 8FT 8200 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LC LENS  
Light Source: -  
Ballast/Driver: -

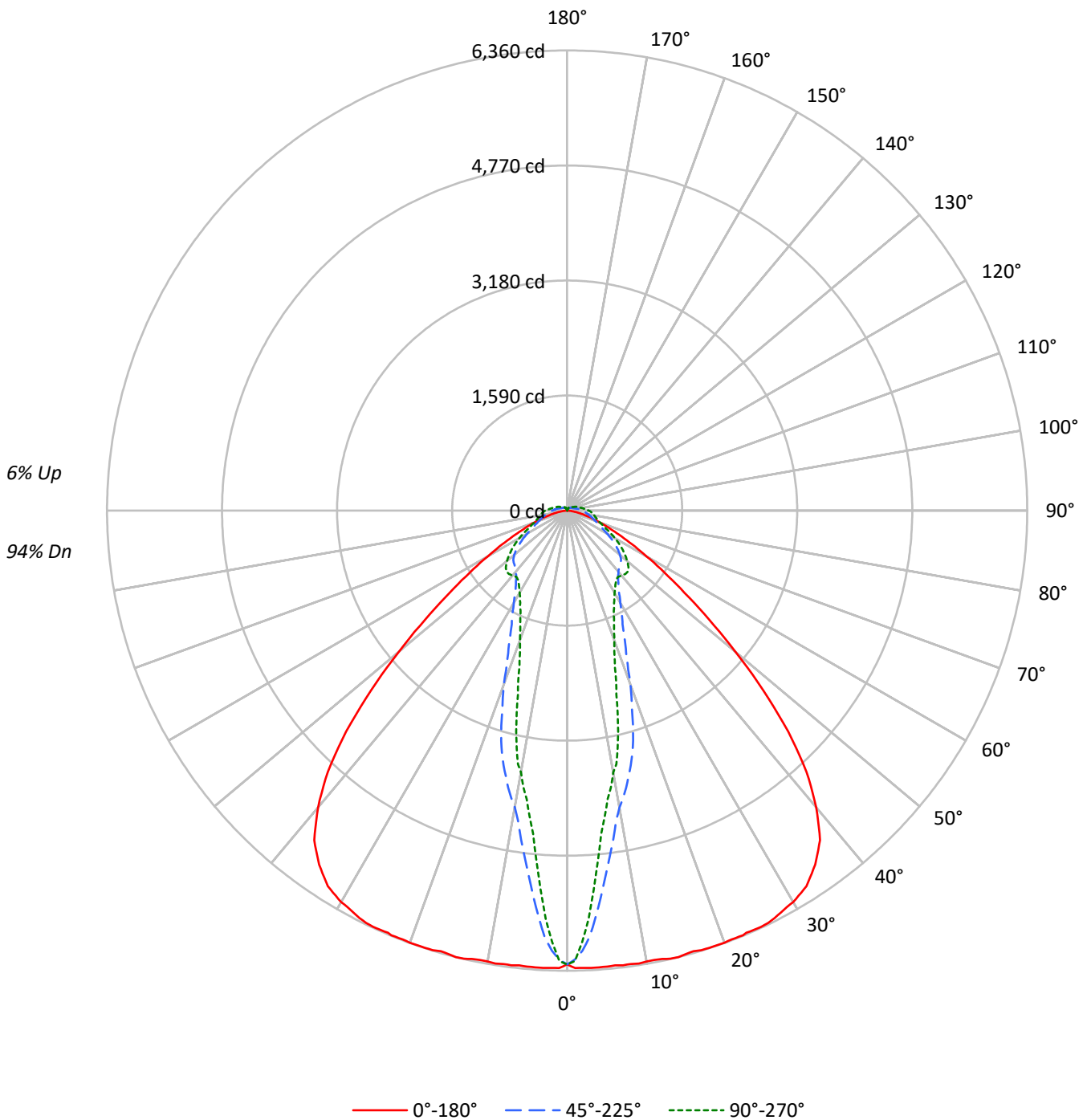
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7732.0 lumens  
Efficiency: N/A  
Efficacy: 147.0 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): 52.6  
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°	33759	33759	33759
5°	34125	27762	24819
10°	34456	20982	17962
15°	35151	17170	12438
20°	36128	12437	8784
25°	37333	8919	6911
30°	38372	7134	5886
35°	38695	6040	5272
40°	36991	5497	5284
45°	32203	5317	5428
50°	24798	5063	5066
55°	18053	4433	4495
60°	13173	3705	3801
65°	9661	3137	3115
70°	7195	2776	2686
75°	5198	2576	2504
80°	3515	2419	2466
85°	1781	2314	2469



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	493.3	6.4
10°-20°	1071.2	13.9
20°-30°	1226.1	15.9
30°-40°	1228.3	15.9
40°-50°	1162.8	15.0
50°-60°	891.8	11.5
60°-70°	574.8	7.4
70°-80°	366.5	4.7
80°-90°	243.4	3.1
90°-100°	163.6	2.1
100°-110°	107.8	1.4
110°-120°	75.0	1.0
120°-130°	52.3	0.7
130°-140°	36.3	0.5
140°-150°	22.2	0.3
150°-160°	11.3	0.1
160°-170°	4.3	0.1
170°-180°	0.8	0.0
0°-30°	2790.6	36.1
0°-40°	4019.0	52.0
0°-60°	6073.5	78.6
0°-90°	7258.2	93.9
90°-120°	346.4	4.5
90°-150°	457.3	5.9
90°-180°	474.0	6.1
0°-180°	7732.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	6273	6273	6273	6273	6273	
5°	6328	5979	5357	4997	4862	604
15°	6344	4569	3483	2861	2631	1799
25°	6348	3233	1842	1601	1526	2926
35°	5975	1799	1232	1193	1177	3707
45°	4319	1137	1038	1149	1189	3284
55°	1981	812	800	900	935	1822
65°	792	511	503	575	594	815
75°	269	277	349	400	420	296
85°	36	127	246	321	345	49
90°	0	87	206	285	297	2
95°	0	63	170	234	246	0
105°	0	48	111	158	170	3
115°	4	40	83	115	123	4
125°	4	36	71	83	87	4
135°	4	28	56	67	71	3
145°	4	20	40	52	56	3
155°	4	12	24	36	40	2
165°	8	8	16	20	24	2
175°	8	8	8	8	4	1
180°	8	8	8	8	8	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	6272.6	6272.6	6272.6	6272.6	6272.6
1°	6324.1	6288.4	6205.2	6229.0	6225.0
2°	6324.1	6248.8	6086.3	6038.8	5967.5
3°	6328.0	6181.4	5904.1	5749.5	5650.5
4°	6328.0	6082.4	5634.6	5377.1	5250.3
5°	6328.0	5979.4	5357.2	4996.7	4861.9
6°	6320.1	5856.5	5075.9	4695.5	4493.4
7°	6332.0	5721.8	4822.3	4414.2	4255.7
8°	6328.0	5563.3	4588.5	4200.2	4025.9
9°	6339.9	5408.8	4334.9	3998.1	3867.4
10°	6328.0	5266.1	4168.5	3807.9	3673.2
11°	6328.0	5127.4	4049.6	3685.1	3570.2
12°	6336.0	4968.9	3918.9	3510.7	3352.2
13°	6355.8	4806.5	3768.3	3320.5	3134.3
14°	6359.7	4683.6	3629.6	3078.8	2884.7
15°	6343.9	4568.7	3483.0	2860.9	2631.1
16°	6336.0	4449.8	3308.7	2654.8	2448.8
17°	6351.8	4311.2	3110.5	2444.8	2254.6
18°	6355.8	4184.4	2900.5	2286.3	2119.9
19°	6355.8	4085.3	2730.1	2139.7	1997.1
20°	6355.8	3990.2	2555.8	2028.8	1905.9
21°	6347.9	3871.3	2357.7	1913.9	1810.8
22.5°	6351.8	3649.4	2131.8	1779.1	1695.9
23°	6339.9	3594.0	2076.3	1743.5	1656.3
24°	6343.9	3435.5	1957.5	1672.2	1588.9
25°	6347.9	3233.4	1842.5	1600.8	1525.5
26°	6339.9	3070.9	1747.4	1533.5	1482.0
27°	6320.1	2940.1	1680.1	1478.0	1430.4
28°	6292.4	2765.8	1608.8	1430.4	1386.9
29°	6264.6	2567.7	1537.4	1378.9	1347.2
30°	6248.8	2409.2	1470.1	1339.3	1311.6
32.5°	6153.7	2096.1	1331.4	1260.1	1236.3
35°	5975.4	1799.0	1232.3	1192.7	1176.9
37.5°	5741.6	1569.1	1157.0	1149.1	1153.1
40°	5357.2	1386.9	1101.6	1137.2	1172.9
42.5°	4897.6	1244.2	1061.9	1149.1	1188.7
45°	4319.1	1137.2	1038.2	1149.1	1188.7
47.5°	3677.2	1050.1	1010.4	1109.5	1149.1
50°	3035.2	970.8	955.0	1050.1	1085.7
52.5°	2468.6	895.5	883.6	974.8	1010.4
55°	1981.2	812.3	800.4	899.5	935.1
57.5°	1588.9	733.1	721.2	812.3	848.0
60°	1268.0	653.8	634.0	725.1	760.8
62.5°	1010.4	578.5	566.6	645.9	677.6
65°	792.5	511.2	503.2	574.6	594.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	626.1	447.8	451.7	511.2	534.9
70°	483.4	388.3	412.1	467.6	483.4
72.5°	364.5	328.9	380.4	427.9	447.8
75°	269.4	277.4	348.7	400.2	420.0
77.5°	186.2	229.8	321.0	376.4	396.2
80°	126.8	186.2	293.2	356.6	380.4
82.5°	75.3	154.5	269.4	336.8	364.5
85°	35.7	126.8	245.7	321.0	344.7
87.5°	11.9	103.0	221.9	305.1	324.9
90°	0.0	87.2	206.0	285.3	297.2
92.5°	0.0	75.3	186.2	261.5	269.4
95°	0.0	63.4	170.4	233.8	245.7
97.5°	0.0	59.4	158.5	210.0	225.9
100°	0.0	55.5	142.6	190.2	206.0
102.5°	0.0	47.5	126.8	170.4	186.2
105°	0.0	47.5	110.9	158.5	170.4
107.5°	4.0	43.6	103.0	142.6	158.5
110°	4.0	43.6	91.1	134.7	146.6
112.5°	4.0	43.6	87.2	122.8	138.7
115°	4.0	39.6	83.2	114.9	122.8
117.5°	4.0	39.6	79.2	103.0	110.9
120°	4.0	35.7	75.3	95.1	99.1
122.5°	4.0	35.7	71.3	87.2	91.1
125°	4.0	35.7	71.3	83.2	87.2
127.5°	4.0	31.7	67.4	79.2	79.2
130°	4.0	31.7	63.4	75.3	75.3
132.5°	4.0	27.7	59.4	71.3	75.3
135°	4.0	27.7	55.5	67.4	71.3
137.5°	4.0	23.8	51.5	63.4	67.4
140°	4.0	23.8	47.5	59.4	63.4
142.5°	4.0	19.8	43.6	55.5	59.4
145°	4.0	19.8	39.6	51.5	55.5
147.5°	4.0	19.8	35.7	47.5	51.5
150°	4.0	15.8	31.7	43.6	47.5
152.5°	4.0	15.8	27.7	39.6	43.6
155°	4.0	11.9	23.8	35.7	39.6
157.5°	4.0	11.9	23.8	31.7	35.7
160°	7.9	11.9	19.8	27.7	31.7
162.5°	4.0	7.9	19.8	23.8	27.7
165°	7.9	7.9	15.8	19.8	23.8
167.5°	7.9	7.9	11.9	15.8	19.8
170°	7.9	7.9	11.9	11.9	15.8
172.5°	7.9	7.9	7.9	11.9	7.9
175°	7.9	7.9	7.9	7.9	4.0
177.5°	7.9	7.9	7.9	7.9	4.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	7.9	7.9	7.9	7.9	7.9

(END OF REPORT)