

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: P568195

Luminaire Tested: **8SNX-SL3-LC-UNV-CC93-CD-5000K-HI**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P568195  
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-SL3-LC-UNV-CC93-CD-5000K-HI  
Description: 8FT 12000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 5000K, 90CRI, HI LUMEN SETTING, AND LC LENS  
Light Source: -  
Ballast/Driver: -

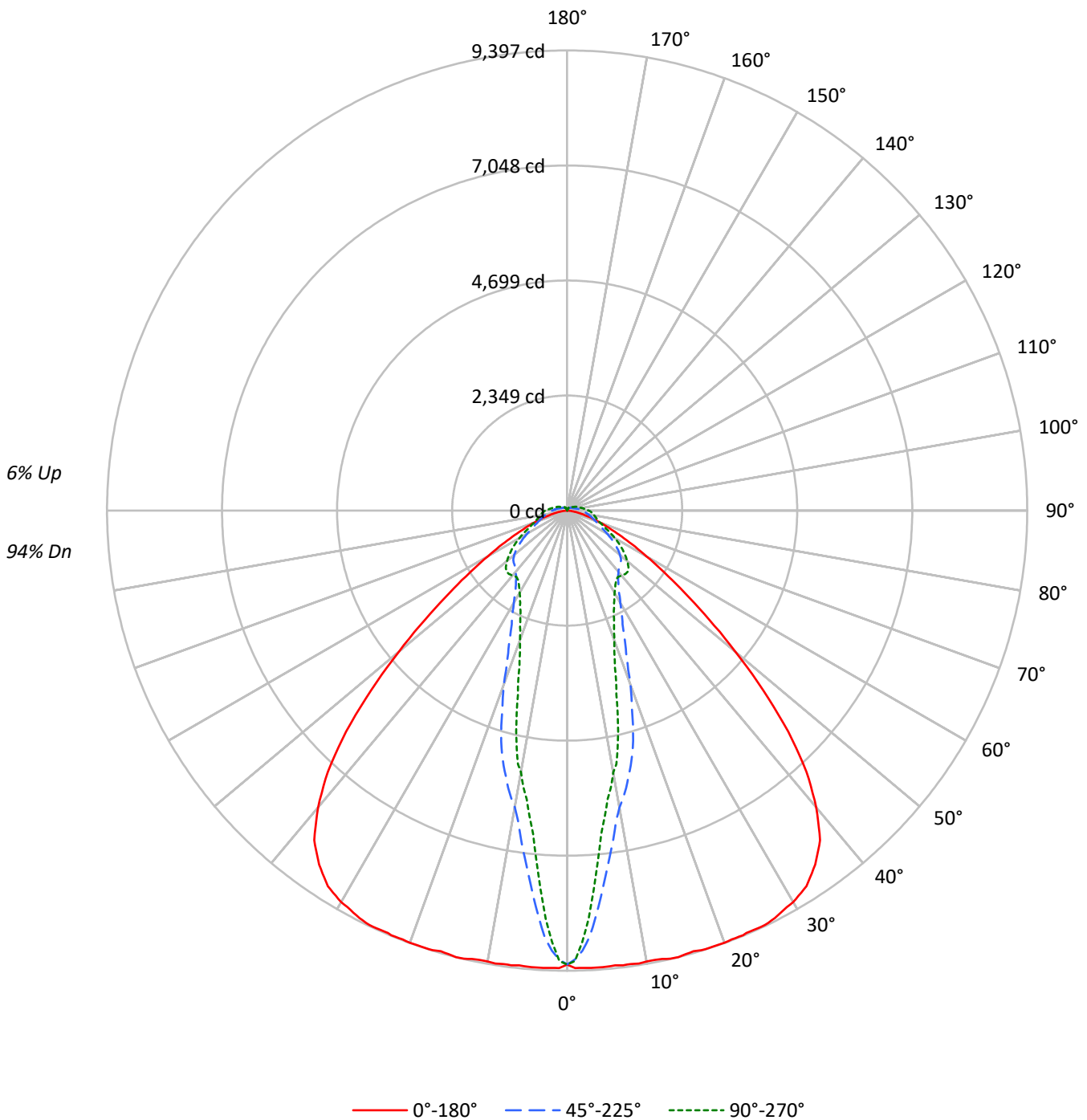
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11425.1 lumens  
Efficiency: N/A  
Efficacy: 111.8 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): 102.2  
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	50	30	10	0		
RCR																										
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	96	96	96	94					94			
1	108	103	99	96	105	101	97	94	95	92	90	90	88	86	86	84	82	80					80			
2	99	92	86	80	96	89	84	79	85	80	76	81	77	74	77	74	71	69					69			
3	92	82	75	69	89	80	73	68	76	71	66	73	68	64	70	66	62	60					60			
4	85	74	66	60	82	72	65	59	69	63	58	66	61	56	63	59	55	53					53			
5	79	67	59	53	76	66	58	52	63	56	51	60	55	50	58	53	49	47					47			
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	53	48	44	42					42			
7	69	56	48	43	67	55	48	42	53	46	42	51	45	41	50	44	40	38					38			
8	64	52	44	39	63	51	44	39	49	43	38	48	42	37	46	41	37	35					35			
9	61	48	41	36	59	47	40	35	46	39	35	44	39	34	43	38	34	32					32			
10	57	45	38	33	56	44	37	33	43	37	32	42	36	32	40	35	31	30					30			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	49883	49883	49883
5°	50424	41022	36673
10°	50913	31004	26542
15°	51940	25371	18378
20°	53384	18378	12980
25°	55164	13180	10212
30°	56699	10541	8696
35°	57176	8925	7789
40°	54659	8122	7808
45°	47584	7856	8021
50°	36642	7481	7485
55°	26675	6550	6642
60°	19465	5474	5616
65°	14275	4636	4603
70°	10632	4102	3969
75°	7681	3807	3700
80°	5194	3574	3644
85°	2628	3419	3649



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	728.9	6.4
10°-20°	1582.8	13.9
20°-30°	1811.8	15.9
30°-40°	1815.0	15.9
40°-50°	1718.2	15.0
50°-60°	1317.7	11.5
60°-70°	849.3	7.4
70°-80°	541.6	4.7
80°-90°	359.7	3.1
90°-100°	241.8	2.1
100°-110°	159.3	1.4
110°-120°	110.8	1.0
120°-130°	77.3	0.7
130°-140°	53.7	0.5
140°-150°	32.9	0.3
150°-160°	16.7	0.1
160°-170°	6.4	0.1
170°-180°	1.2	0.0
0°-30°	4123.5	36.1
0°-40°	5938.5	52.0
0°-60°	8974.4	78.5
0°-90°	10725.0	93.9
90°-120°	511.9	4.5
90°-150°	675.7	5.9
90°-180°	700.0	6.1
0°-180°	11425.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	9268	9268	9268	9268	9268	
5°	9350	8835	7916	7383	7184	893
15°	9374	6751	5147	4227	3888	2659
25°	9380	4778	2723	2365	2254	4324
35°	8829	2658	1821	1762	1739	5478
45°	6382	1680	1534	1698	1756	4852
55°	2928	1200	1183	1329	1382	2692
65°	1171	755	744	849	878	1204
75°	398	410	515	591	621	438
85°	53	187	363	474	509	72
90°	0	129	304	422	439	2
95°	0	94	252	345	363	0
105°	0	70	164	234	252	4
115°	6	59	123	170	182	6
125°	6	53	105	123	129	5
135°	6	41	82	100	105	5
145°	6	29	59	76	82	4
155°	6	18	35	53	59	3
165°	12	12	23	29	35	3
175°	12	12	12	12	6	1
180°	12	12	12	12	12	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	9268.5	9268.5	9268.5	9268.5	9268.5
1°	9344.6	9291.9	9169.0	9204.1	9198.3
2°	9344.6	9233.4	8993.3	8923.1	8817.7
3°	9350.5	9133.8	8724.0	8495.7	8349.3
4°	9350.5	8987.5	8325.9	7945.3	7757.9
5°	9350.5	8835.2	7916.0	7383.2	7184.1
6°	9338.8	8653.7	7500.3	6938.2	6639.6
7°	9356.3	8454.7	7125.6	6522.5	6288.3
8°	9350.5	8220.5	6780.1	6206.3	5948.7
9°	9368.0	7992.1	6405.4	5907.7	5714.5
10°	9350.5	7781.3	6159.5	5626.7	5427.6
11°	9350.5	7576.4	5983.8	5445.2	5275.4
12°	9362.2	7342.2	5790.6	5187.6	4953.4
13°	9391.5	7102.2	5568.1	4906.5	4631.3
14°	9397.3	6920.6	5363.2	4549.4	4262.5
15°	9373.9	6750.9	5146.6	4227.3	3887.7
16°	9362.2	6575.2	4889.0	3922.9	3618.4
17°	9385.6	6370.3	4596.2	3612.6	3331.5
18°	9391.5	6182.9	4285.9	3378.4	3132.4
19°	9391.5	6036.5	4034.1	3161.7	2950.9
20°	9391.5	5896.0	3776.5	2997.8	2816.3
21°	9379.8	5720.4	3483.7	2828.0	2675.7
22.5°	9385.6	5392.5	3150.0	2628.9	2506.0
23°	9368.0	5310.5	3068.0	2576.2	2447.4
24°	9373.9	5076.3	2892.4	2470.8	2347.9
25°	9379.8	4777.7	2722.6	2365.4	2254.2
26°	9368.0	4537.6	2582.1	2265.9	2189.8
27°	9338.8	4344.4	2482.5	2183.9	2113.7
28°	9297.8	4086.8	2377.1	2113.7	2049.3
29°	9256.8	3794.1	2271.8	2037.6	1990.7
30°	9233.4	3559.9	2172.2	1979.0	1938.0
32.5°	9092.9	3097.3	1967.3	1861.9	1826.8
35°	8829.4	2658.2	1820.9	1762.4	1738.9
37.5°	8483.9	2318.6	1709.7	1698.0	1703.8
40°	7916.0	2049.3	1627.7	1680.4	1733.1
42.5°	7236.8	1838.5	1569.1	1698.0	1756.5
45°	6382.0	1680.4	1534.0	1698.0	1756.5
47.5°	5433.5	1551.6	1493.0	1639.4	1698.0
50°	4485.0	1434.5	1411.1	1551.6	1604.3
52.5°	3647.7	1323.2	1305.7	1440.3	1493.0
55°	2927.5	1200.3	1182.7	1329.1	1381.8
57.5°	2347.9	1083.2	1065.6	1200.3	1253.0
60°	1873.6	966.1	936.8	1071.5	1124.2
62.5°	1493.0	854.8	837.3	954.4	1001.2
65°	1171.0	755.3	743.6	849.0	878.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	925.1	661.6	667.5	755.3	790.4
70°	714.3	573.8	608.9	690.9	714.3
72.5°	538.7	486.0	562.1	632.3	661.6
75°	398.1	409.9	515.2	591.4	620.6
77.5°	275.2	339.6	474.3	556.2	585.5
80°	187.4	275.2	433.3	527.0	562.1
82.5°	111.2	228.3	398.1	497.7	538.7
85°	52.7	187.4	363.0	474.3	509.4
87.5°	17.6	152.2	327.9	450.8	480.1
90°	0.0	128.8	304.5	421.6	439.1
92.5°	0.0	111.2	275.2	386.4	398.1
95°	0.0	93.7	251.8	345.4	363.0
97.5°	0.0	87.8	234.2	310.3	333.7
100°	0.0	82.0	210.8	281.0	304.5
102.5°	0.0	70.3	187.4	251.8	275.2
105°	0.0	70.3	163.9	234.2	251.8
107.5°	5.9	64.4	152.2	210.8	234.2
110°	5.9	64.4	134.7	199.1	216.6
112.5°	5.9	64.4	128.8	181.5	204.9
115°	5.9	58.6	123.0	169.8	181.5
117.5°	5.9	58.6	117.1	152.2	163.9
120°	5.9	52.7	111.2	140.5	146.4
122.5°	5.9	52.7	105.4	128.8	134.7
125°	5.9	52.7	105.4	123.0	128.8
127.5°	5.9	46.8	99.5	117.1	117.1
130°	5.9	46.8	93.7	111.2	111.2
132.5°	5.9	41.0	87.8	105.4	111.2
135°	5.9	41.0	82.0	99.5	105.4
137.5°	5.9	35.1	76.1	93.7	99.5
140°	5.9	35.1	70.3	87.8	93.7
142.5°	5.9	29.3	64.4	82.0	87.8
145°	5.9	29.3	58.6	76.1	82.0
147.5°	5.9	29.3	52.7	70.3	76.1
150°	5.9	23.4	46.8	64.4	70.3
152.5°	5.9	23.4	41.0	58.6	64.4
155°	5.9	17.6	35.1	52.7	58.6
157.5°	5.9	17.6	35.1	46.8	52.7
160°	11.7	17.6	29.3	41.0	46.8
162.5°	5.9	11.7	29.3	35.1	41.0
165°	11.7	11.7	23.4	29.3	35.1
167.5°	11.7	11.7	17.6	23.4	29.3
170°	11.7	11.7	17.6	17.6	23.4
172.5°	11.7	11.7	11.7	17.6	11.7
175°	11.7	11.7	11.7	11.7	5.9
177.5°	11.7	11.7	11.7	11.7	5.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	11.7	11.7	11.7	11.7	11.7

(END OF REPORT)