

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: P567167

Luminaire Tested: **8SNX-102SL-LC-UNV-L935-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567167  
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-102SL-LC-UNV-L935-CD  
Description: 8FT 10200 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LC LENS  
Light Source: -  
Ballast/Driver: -

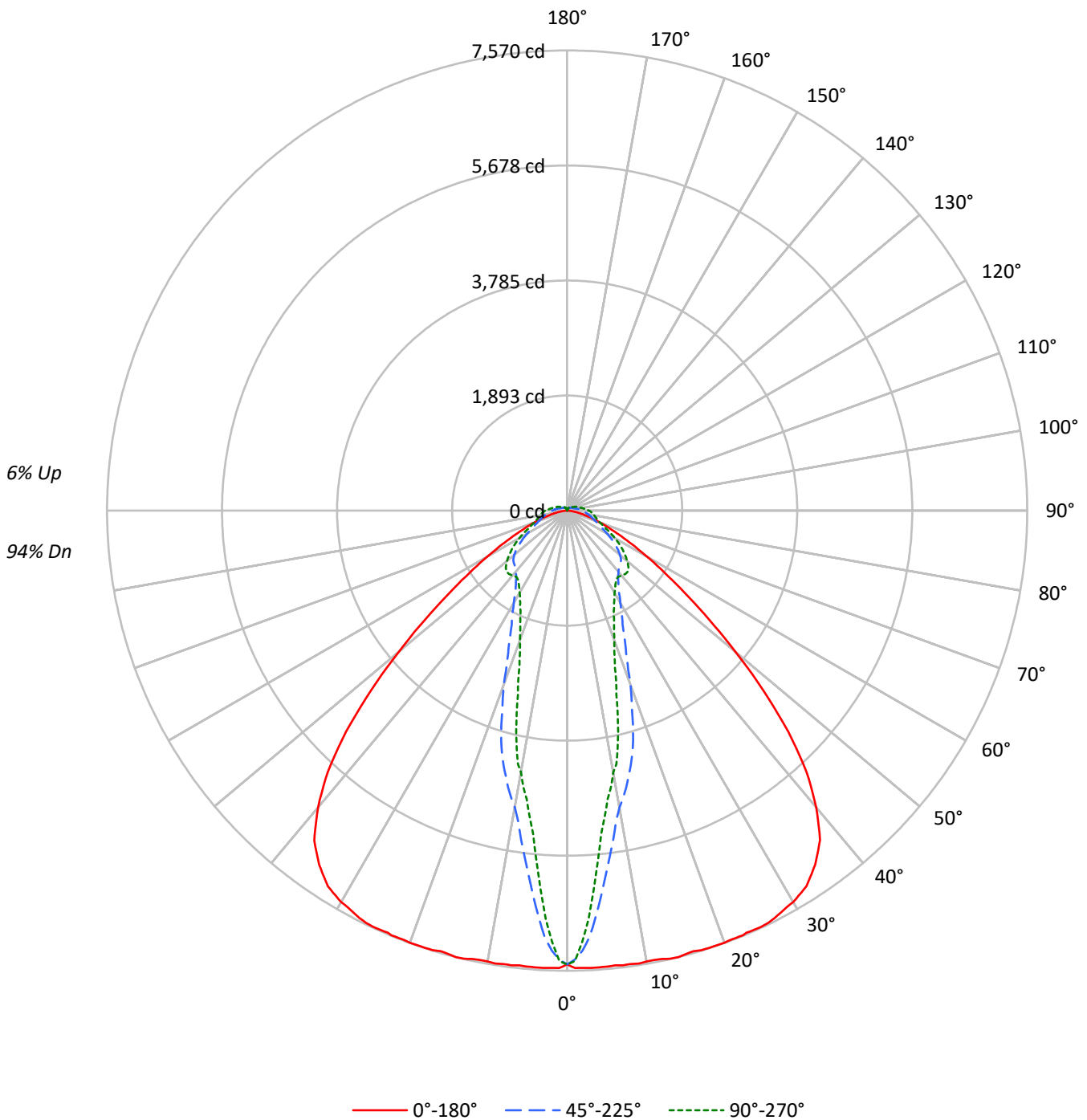
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9203.0 lumens  
Efficiency: N/A  
Efficacy: 131.5 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): 70  
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	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°	40181	40181	40181
5°	40617	33044	29541
10°	41011	24974	21380
15°	41838	20436	14804
20°	43001	14803	10455
25°	44435	10617	8226
30°	45672	8491	7005
35°	46056	7190	6274
40°	44029	6542	6289
45°	38329	6329	6461
50°	29516	6026	6030
55°	21488	5276	5350
60°	15679	4410	4523
65°	11499	3735	3708
70°	8564	3305	3198
75°	6188	3066	2980
80°	4183	2879	2935
85°	2115	2754	2939



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	587.1	6.4
10°-20°	1275.0	13.9
20°-30°	1459.4	15.9
30°-40°	1462.0	15.9
40°-50°	1384.0	15.0
50°-60°	1061.4	11.5
60°-70°	684.2	7.4
70°-80°	436.3	4.7
80°-90°	289.7	3.1
90°-100°	194.8	2.1
100°-110°	128.3	1.4
110°-120°	89.3	1.0
120°-130°	62.3	0.7
130°-140°	43.2	0.5
140°-150°	26.5	0.3
150°-160°	13.4	0.1
160°-170°	5.2	0.1
170°-180°	1.0	0.0
0°-30°	3321.5	36.1
0°-40°	4783.6	52.0
0°-60°	7229.0	78.6
0°-90°	8639.1	93.9
90°-120°	412.4	4.5
90°-150°	544.3	5.9
90°-180°	564.0	6.1
0°-180°	9203.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	7466	7466	7466	7466	7466	
5°	7532	7117	6376	5947	5787	719
15°	7551	5438	4146	3405	3132	2142
25°	7556	3848	2193	1905	1816	3483
35°	7112	2141	1467	1420	1401	4413
45°	5141	1354	1236	1368	1415	3909
55°	2358	967	953	1071	1113	2168
65°	943	608	599	684	707	970
75°	321	330	415	476	500	353
85°	42	151	292	382	410	58
90°	0	104	245	340	354	2
95°	0	76	203	278	292	0
105°	0	57	132	189	203	3
115°	5	47	99	137	146	5
125°	5	42	85	99	104	4
135°	5	33	66	80	85	4
145°	5	24	47	61	66	3
155°	5	14	28	42	47	2
165°	9	9	19	24	28	2
175°	9	9	9	9	5	1
180°	9	9	9	9	9	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	7465.9	7465.9	7465.9	7465.9	7465.9
1°	7527.2	7484.8	7385.7	7414.0	7409.3
2°	7527.2	7437.6	7244.3	7187.7	7102.8
3°	7531.9	7357.4	7027.3	6843.4	6725.5
4°	7531.9	7239.5	6706.6	6400.0	6249.1
5°	7531.9	7116.9	6376.5	5947.3	5786.9
6°	7522.5	6970.7	6041.6	5588.8	5348.3
7°	7536.7	6810.4	5739.8	5254.0	5065.3
8°	7531.9	6621.7	5461.5	4999.3	4791.8
9°	7546.1	6437.8	5159.6	4758.8	4603.1
10°	7531.9	6268.0	4961.6	4532.4	4372.0
11°	7531.9	6102.9	4820.1	4386.2	4249.4
12°	7541.4	5914.3	4664.4	4178.7	3990.0
13°	7565.0	5720.9	4485.2	3952.3	3730.6
14°	7569.7	5574.7	4320.1	3664.6	3433.5
15°	7550.8	5437.9	4145.6	3405.2	3131.6
16°	7541.4	5296.4	3938.1	3159.9	2914.7
17°	7560.2	5131.3	3702.3	2910.0	2683.6
18°	7565.0	4980.4	3452.3	2721.3	2523.2
19°	7565.0	4862.5	3249.5	2546.8	2377.0
20°	7565.0	4749.3	3042.0	2414.8	2268.5
21°	7555.5	4607.8	2806.2	2278.0	2155.4
22.5°	7560.2	4343.7	2537.4	2117.6	2018.6
23°	7546.1	4277.7	2471.3	2075.2	1971.4
24°	7550.8	4089.0	2329.9	1990.3	1891.2
25°	7555.5	3848.5	2193.1	1905.4	1815.8
26°	7546.1	3655.1	2079.9	1825.2	1763.9
27°	7522.5	3499.5	1999.7	1759.2	1702.6
28°	7489.5	3292.0	1914.8	1702.6	1650.7
29°	7456.5	3056.2	1829.9	1641.3	1603.5
30°	7437.6	2867.5	1749.8	1594.1	1561.1
32.5°	7324.4	2494.9	1584.7	1499.8	1471.5
35°	7112.2	2141.2	1466.8	1419.6	1400.7
37.5°	6833.9	1867.7	1377.2	1367.7	1372.4
40°	6376.5	1650.7	1311.1	1353.6	1396.0
42.5°	5829.4	1480.9	1264.0	1367.7	1414.9
45°	5140.8	1353.6	1235.7	1367.7	1414.9
47.5°	4376.7	1249.8	1202.7	1320.6	1367.7
50°	3612.7	1155.5	1136.6	1249.8	1292.3
52.5°	2938.3	1065.9	1051.7	1160.2	1202.7
55°	2358.2	966.8	952.7	1070.6	1113.0
57.5°	1891.2	872.5	858.4	966.8	1009.3
60°	1509.2	778.2	754.6	863.1	905.5
62.5°	1202.7	688.6	674.4	768.8	806.5
65°	943.3	608.4	599.0	683.9	707.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	745.2	532.9	537.7	608.4	636.7
70°	575.4	462.2	490.5	556.5	575.4
72.5°	433.9	391.5	452.8	509.4	532.9
75°	320.7	330.1	415.0	476.3	499.9
77.5°	221.7	273.5	382.0	448.0	471.6
80°	150.9	221.7	349.0	424.5	452.8
82.5°	89.6	183.9	320.7	400.9	433.9
85°	42.4	150.9	292.4	382.0	410.3
87.5°	14.1	122.6	264.1	363.2	386.7
90°	0.0	103.8	245.2	339.6	353.7
92.5°	0.0	89.6	221.7	311.3	320.7
95°	0.0	75.5	202.8	278.3	292.4
97.5°	0.0	70.7	188.7	250.0	268.8
100°	0.0	66.0	169.8	226.4	245.2
102.5°	0.0	56.6	150.9	202.8	221.7
105°	0.0	56.6	132.1	188.7	202.8
107.5°	4.7	51.9	122.6	169.8	188.7
110°	4.7	51.9	108.5	160.4	174.5
112.5°	4.7	51.9	103.8	146.2	165.1
115°	4.7	47.2	99.0	136.8	146.2
117.5°	4.7	47.2	94.3	122.6	132.1
120°	4.7	42.4	89.6	113.2	117.9
122.5°	4.7	42.4	84.9	103.8	108.5
125°	4.7	42.4	84.9	99.0	103.8
127.5°	4.7	37.7	80.2	94.3	94.3
130°	4.7	37.7	75.5	89.6	89.6
132.5°	4.7	33.0	70.7	84.9	89.6
135°	4.7	33.0	66.0	80.2	84.9
137.5°	4.7	28.3	61.3	75.5	80.2
140°	4.7	28.3	56.6	70.7	75.5
142.5°	4.7	23.6	51.9	66.0	70.7
145°	4.7	23.6	47.2	61.3	66.0
147.5°	4.7	23.6	42.4	56.6	61.3
150°	4.7	18.9	37.7	51.9	56.6
152.5°	4.7	18.9	33.0	47.2	51.9
155°	4.7	14.1	28.3	42.4	47.2
157.5°	4.7	14.1	28.3	37.7	42.4
160°	9.4	14.1	23.6	33.0	37.7
162.5°	4.7	9.4	23.6	28.3	33.0
165°	9.4	9.4	18.9	23.6	28.3
167.5°	9.4	9.4	14.1	18.9	23.6
170°	9.4	9.4	14.1	14.1	18.9
172.5°	9.4	9.4	9.4	14.1	9.4
175°	9.4	9.4	9.4	9.4	4.7
177.5°	9.4	9.4	9.4	9.4	4.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	9.4	9.4	9.4	9.4	9.4

(END OF REPORT)