

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: P567174

Luminaire Tested: **8SNX-102SL-LN-UNV-L930-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567174  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SNX-102SL-LN-UNV-L930-CD  
Description: 8FT 10200 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LN LENS  
Light Source: -  
Ballast/Driver: -

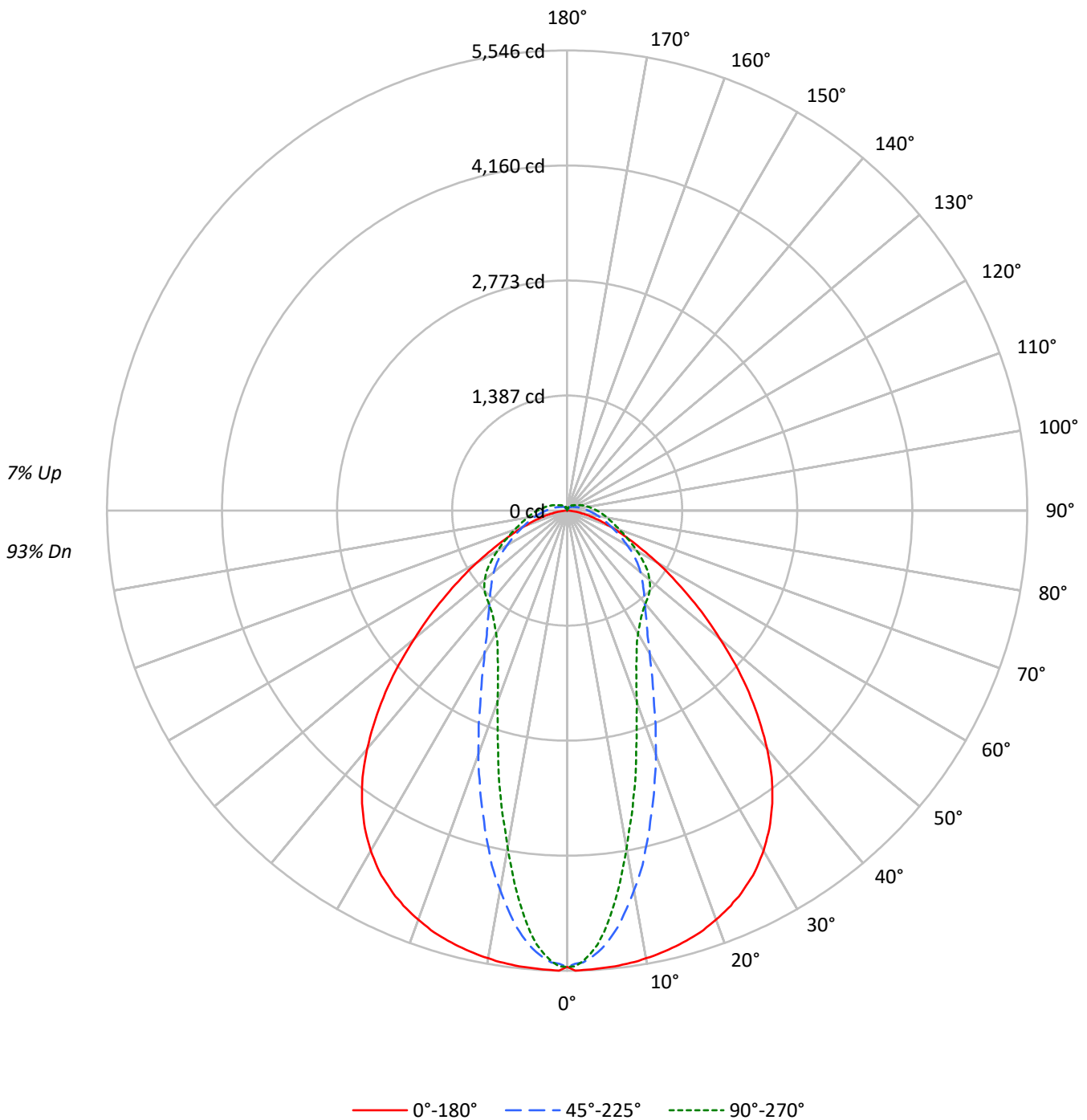
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8767.0 lumens  
Efficiency: N/A  
Efficacy: 125.2 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78  
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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93
1	107	103	99	95	104	100	96	93	94	91	88	89	87	85	85	83	81	78
2	99	91	84	79	95	88	82	77	84	79	75	79	75	72	76	72	69	67
3	91	81	73	67	88	79	72	66	75	69	64	71	66	62	68	64	60	58
4	84	73	64	58	81	71	63	57	67	61	56	64	59	54	62	57	53	51
5	78	66	57	51	75	64	56	51	61	55	49	59	53	48	56	51	47	45
6	72	60	51	45	70	59	51	45	56	49	44	54	48	43	52	46	42	40
7	67	55	47	41	65	54	46	41	52	45	40	50	44	39	48	42	38	36
8	63	51	43	37	61	50	42	37	48	41	36	46	40	36	44	39	35	33
9	59	47	39	34	58	46	39	34	44	38	33	43	37	33	41	36	32	30
10	56	44	36	31	54	43	36	31	41	35	31	40	34	30	39	34	30	28

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

	0°	45°	90°
0°	29600	29600	29600
5°	29808	27239	26035
10°	29821	23382	20199
15°	29863	19094	15139
20°	29826	15227	11329
25°	29616	11944	8992
30°	29061	9676	7670
35°	27909	8198	6977
40°	25888	7245	6603
45°	23089	6636	6400
50°	19632	6114	6045
55°	16202	5547	5521
60°	13031	4886	4843
65°	10193	4297	4215
70°	8002	3807	3728
75°	6294	3429	3396
80°	4585	3146	3157
85°	2748	2942	3028



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	487.0	5.6
10°-20°	1141.6	13.0
20°-30°	1355.1	15.5
30°-40°	1363.4	15.6
40°-50°	1267.4	14.5
50°-60°	1043.6	11.9
60°-70°	735.3	8.4
70°-80°	480.4	5.5
80°-90°	306.7	3.5
90°-100°	201.2	2.3
100°-110°	136.6	1.6
110°-120°	93.6	1.1
120°-130°	64.8	0.7
130°-140°	43.6	0.5
140°-150°	26.9	0.3
150°-160°	13.9	0.2
160°-170°	5.0	0.1
170°-180°	0.9	0.0
0°-30°	2983.8	34.0
0°-40°	4347.2	49.6
0°-60°	6658.2	75.9
0°-90°	8180.7	93.3
90°-120°	431.3	4.9
90°-150°	566.5	6.5
90°-180°	586.0	6.7
0°-180°	8767.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	5500	5500	5500	5500	5500	
5°	5527	5454	5256	5155	5100	526
15°	5390	4815	3873	3386	3202	1522
25°	5036	3722	2467	2072	1985	2317
35°	4310	2518	1672	1567	1558	2680
45°	3097	1659	1296	1365	1401	2377
55°	1778	1089	1002	1112	1149	1606
65°	836	657	689	776	804	848
75°	326	340	464	547	570	353
85°	55	156	312	404	423	69
90°	0	106	253	345	358	3
95°	0	78	211	290	303	0
105°	0	55	142	202	220	0
115°	5	46	101	147	156	4
125°	5	37	83	106	115	4
135°	5	32	64	83	87	4
145°	5	23	46	64	69	3
155°	5	18	32	46	50	2
165°	5	9	18	23	28	1
175°	9	9	9	9	5	1
180°	5	5	5	5	5	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	5499.8	5499.8	5499.8	5499.8	5499.8
1°	5545.7	5522.8	5463.0	5504.4	5495.2
2°	5541.2	5518.2	5449.3	5467.6	5435.5
3°	5536.6	5504.4	5398.7	5394.1	5348.2
4°	5532.0	5481.4	5334.4	5279.3	5242.5
5°	5527.4	5453.9	5256.3	5155.2	5100.1
6°	5522.8	5421.7	5155.2	5003.6	4925.5
7°	5513.6	5371.2	5049.5	4842.8	4741.7
8°	5504.4	5325.2	4916.3	4668.2	4544.1
9°	5495.2	5265.5	4783.0	4479.8	4332.8
10°	5476.8	5205.7	4645.2	4286.8	4130.6
11°	5467.6	5136.8	4512.0	4103.0	3919.2
12°	5449.3	5063.3	4369.5	3910.1	3749.2
13°	5430.9	4985.2	4194.9	3744.6	3551.7
14°	5412.5	4902.5	4043.3	3560.9	3381.7
15°	5389.5	4815.2	3873.3	3386.3	3202.5
16°	5366.6	4714.1	3721.7	3207.1	3014.1
17°	5343.6	4617.6	3579.2	3041.7	2867.1
18°	5316.0	4521.1	3413.8	2880.8	2710.8
19°	5279.3	4410.9	3280.6	2733.8	2577.6
20°	5247.1	4309.8	3129.0	2596.0	2458.1
21°	5210.3	4185.7	2977.3	2467.3	2329.5
22.5°	5155.2	4011.1	2784.4	2306.5	2177.9
23°	5127.6	3960.6	2706.3	2246.8	2136.5
24°	5090.9	3827.3	2577.6	2154.9	2044.6
25°	5035.7	3721.7	2467.3	2072.2	1984.9
26°	4985.2	3593.0	2357.1	1998.7	1911.4
27°	4934.7	3469.0	2260.6	1920.6	1847.1
28°	4870.3	3340.3	2154.9	1856.2	1791.9
29°	4801.4	3220.9	2067.6	1801.1	1750.6
30°	4732.5	3087.6	1994.1	1750.6	1709.2
32.5°	4539.5	2793.6	1805.7	1654.1	1626.5
35°	4309.8	2517.9	1672.5	1566.8	1557.6
37.5°	4052.5	2265.2	1553.0	1497.9	1507.0
40°	3749.2	2035.4	1451.9	1447.3	1465.7
42.5°	3427.6	1837.9	1373.8	1406.0	1433.5
45°	3096.8	1658.7	1295.7	1364.6	1401.4
47.5°	2752.2	1502.5	1226.8	1314.1	1355.4
50°	2403.0	1350.8	1153.3	1254.3	1295.7
52.5°	2090.6	1217.6	1079.7	1185.4	1231.4
55°	1778.1	1088.9	1001.6	1111.9	1148.7
57.5°	1507.0	969.5	918.9	1029.2	1056.8
60°	1254.3	854.6	836.2	937.3	969.5
62.5°	1024.6	753.5	758.1	854.6	886.8
65°	836.2	657.0	689.2	776.5	804.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	680.0	565.1	620.3	712.2	735.1
70°	537.6	482.4	565.1	647.8	670.8
72.5°	427.3	408.9	510.0	597.3	615.7
75°	326.2	340.0	464.1	546.8	569.7
77.5°	234.3	284.9	418.1	505.4	523.8
80°	165.4	234.3	381.4	468.7	487.0
82.5°	105.7	193.0	344.6	436.5	454.9
85°	55.1	156.2	312.4	404.3	422.7
87.5°	23.0	128.7	280.3	372.2	390.5
90°	0.0	105.7	252.7	344.6	358.4
92.5°	0.0	91.9	229.7	317.0	330.8
95°	0.0	78.1	211.4	289.5	303.2
97.5°	0.0	73.5	188.4	266.5	280.3
100°	0.0	64.3	170.0	243.5	261.9
102.5°	0.0	59.7	156.2	220.5	238.9
105°	0.0	55.1	142.4	202.2	220.5
107.5°	0.0	50.5	133.2	188.4	202.2
110°	0.0	50.5	119.5	174.6	188.4
112.5°	4.6	45.9	110.3	156.2	170.0
115°	4.6	45.9	101.1	147.0	156.2
117.5°	4.6	45.9	96.5	133.2	142.4
120°	4.6	41.4	91.9	124.1	133.2
122.5°	4.6	41.4	87.3	114.9	119.5
125°	4.6	36.8	82.7	105.7	114.9
127.5°	4.6	36.8	78.1	101.1	105.7
130°	4.6	36.8	73.5	91.9	101.1
132.5°	4.6	32.2	68.9	87.3	91.9
135°	4.6	32.2	64.3	82.7	87.3
137.5°	4.6	27.6	59.7	78.1	82.7
140°	4.6	27.6	55.1	73.5	78.1
142.5°	4.6	23.0	50.5	68.9	73.5
145°	4.6	23.0	45.9	64.3	68.9
147.5°	4.6	23.0	41.4	59.7	64.3
150°	4.6	18.4	36.8	55.1	59.7
152.5°	4.6	18.4	32.2	50.5	55.1
155°	4.6	18.4	32.2	45.9	50.5
157.5°	4.6	13.8	27.6	36.8	45.9
160°	4.6	13.8	23.0	32.2	41.4
162.5°	4.6	13.8	23.0	27.6	32.2
165°	4.6	9.2	18.4	23.0	27.6
167.5°	4.6	9.2	13.8	18.4	23.0
170°	4.6	9.2	13.8	13.8	18.4
172.5°	4.6	9.2	9.2	9.2	9.2
175°	9.2	9.2	9.2	9.2	4.6
177.5°	9.2	9.2	9.2	4.6	4.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	4.6	4.6	4.6	4.6	4.6

(END OF REPORT)