

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: P567254

Luminaire Tested: **8SNX-120SL-FDL-UNV-L930-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567254  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SNX-120SL-FDL-UNV-L930-CD  
Description: 8FT 12000 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND FDL LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

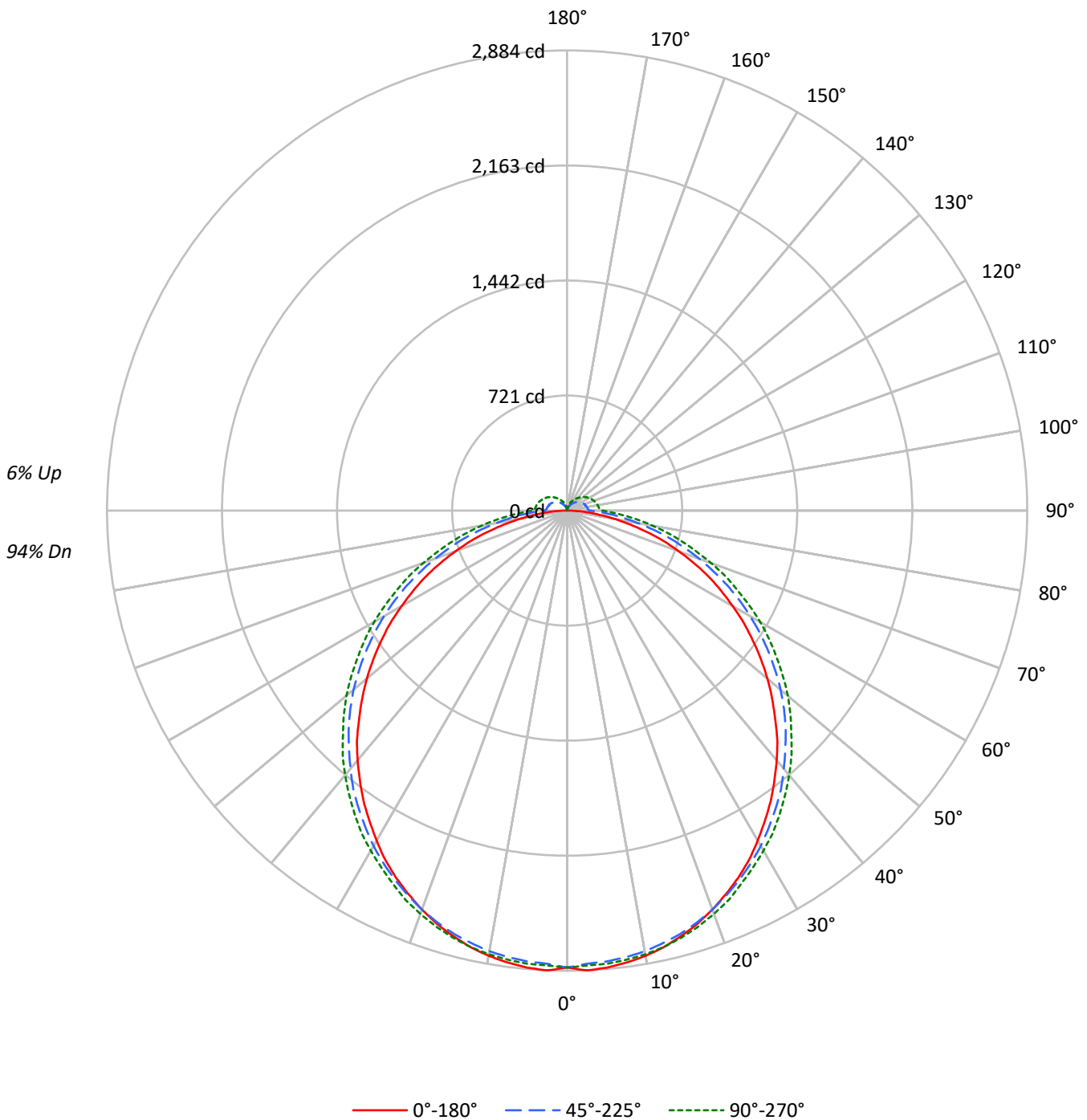
Lumens per Lamp: N/A  
Luminaire Lumens: 9100.0 lumens  
Efficiency: N/A  
Efficacy: 108.3 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.04')  
CIE Type: Direct

Input Watts (W): 84  
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	97	97	97	94
1	107	102	97	93	103	99	95	91	93	90	87	88	86	83	84	82	80	77
2	97	88	81	75	93	86	79	74	81	76	71	77	73	69	73	69	66	64
3	88	77	69	62	85	75	67	61	71	65	59	68	62	57	64	60	56	53
4	80	68	59	52	78	66	58	52	63	56	50	60	54	49	57	52	48	45
5	74	61	52	45	71	59	51	44	56	49	43	54	47	42	51	46	41	39
6	68	55	46	39	66	53	45	39	51	43	38	49	42	37	47	41	36	34
7	63	49	41	34	61	48	40	34	46	39	33	44	38	33	43	37	32	30
8	59	45	36	31	57	44	36	30	42	35	30	41	34	29	39	33	29	27
9	55	41	33	27	53	40	33	27	39	32	27	37	31	26	36	30	26	24
10	51	38	30	25	50	37	30	25	36	29	24	35	28	24	33	28	24	22

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

	0°	45°	90°
0°	15412	15412	15412
5°	15525	15161	15180
10°	15468	15002	14989
15°	15360	14818	14775
20°	15209	14593	14523
25°	15036	14345	14225
30°	14797	14093	13950
35°	14558	13797	13662
40°	14294	13469	13339
45°	13959	13145	12963
50°	13638	12775	12619
55°	13238	12318	12140
60°	12789	11793	11670
65°	12320	11168	11022
70°	11500	10380	10349
75°	10519	9452	9545
80°	9070	8220	8653
85°	7326	7165	7603



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	271.6	3.0
10°-20°	779.3	8.6
20°-30°	1181.0	13.0
30°-40°	1425.7	15.7
40°-50°	1488.7	16.4
50°-60°	1367.7	15.0
60°-70°	1081.6	11.9
70°-80°	684.5	7.5
80°-90°	294.2	3.2
90°-100°	129.5	1.4
100°-110°	115.9	1.3
110°-120°	97.9	1.1
120°-130°	76.3	0.8
130°-140°	52.8	0.6
140°-150°	31.7	0.3
150°-160°	15.5	0.2
160°-170°	5.4	0.1
170°-180°	0.8	0.0
0°-30°	2231.9	24.5
0°-40°	3657.5	40.2
0°-60°	6514.0	71.6
0°-90°	8574.2	94.2
90°-120°	343.3	3.8
90°-150°	504.1	5.5
90°-180°	526.0	5.8
0°-180°	9100.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2864	2864	2864	2864	2864	
5°	2875	2867	2836	2860	2851	273
15°	2760	2760	2746	2775	2770	779
25°	2538	2549	2553	2586	2582	1169
35°	2224	2250	2279	2314	2322	1390
45°	1844	1889	1937	1974	1987	1424
55°	1421	1479	1541	1590	1602	1272
65°	978	1033	1106	1157	1175	963
75°	516	577	661	717	744	547
85°	126	193	277	337	358	139
90°	8	69	142	198	219	11
95°	2	60	129	180	200	1
105°	2	55	121	169	187	2
115°	2	47	110	153	169	2
125°	3	42	92	132	147	3
135°	3	32	74	105	118	2
145°	3	24	52	79	87	2
155°	3	16	34	50	60	2
165°	5	11	18	24	34	1
175°	5	6	8	8	5	0
180°	5	5	5	5	5	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2863.6	2863.6	2863.6	2863.6	2863.6
2.5°	2884.5	2874.9	2842.6	2865.2	2853.9
5°	2874.9	2866.8	2836.2	2860.4	2850.7
7.5°	2857.2	2850.7	2823.3	2849.1	2839.4
10°	2833.0	2828.1	2804.0	2829.8	2823.3
12.5°	2802.4	2800.8	2776.6	2805.6	2800.8
15°	2760.5	2760.5	2746.0	2775.0	2770.1
17.5°	2715.3	2717.0	2705.7	2736.3	2733.1
20°	2660.6	2668.6	2660.6	2692.8	2689.6
22.5°	2600.9	2612.2	2609.0	2641.2	2642.8
25°	2538.1	2549.4	2552.6	2586.4	2581.6
27.5°	2468.8	2486.5	2493.0	2523.6	2522.0
30°	2388.2	2412.4	2426.9	2452.7	2460.7
32.5°	2306.0	2335.0	2352.8	2388.2	2397.9
35°	2223.8	2249.6	2278.6	2314.1	2322.1
37.5°	2133.6	2162.6	2201.3	2235.1	2244.8
40°	2043.4	2075.6	2112.6	2149.7	2164.2
42.5°	1949.9	1983.7	2024.0	2067.5	2082.0
45°	1843.5	1888.7	1937.0	1974.1	1987.0
47.5°	1742.0	1792.0	1843.5	1883.8	1898.3
50°	1638.9	1692.1	1746.8	1783.9	1806.5
52.5°	1530.9	1588.9	1643.7	1690.4	1704.9
55°	1421.3	1479.3	1540.6	1590.5	1601.8
57.5°	1315.0	1371.4	1432.6	1479.3	1501.9
60°	1198.9	1260.2	1326.2	1373.0	1397.2
62.5°	1086.1	1145.8	1216.7	1266.6	1286.0
65°	978.2	1033.0	1105.5	1157.0	1174.8
67.5°	858.9	921.8	991.1	1050.7	1073.2
70°	741.3	800.9	879.9	936.3	958.8
72.5°	631.7	689.7	768.7	825.1	846.0
75°	515.7	576.9	660.7	717.1	744.5
77.5°	404.5	472.2	552.7	614.0	644.6
80°	301.3	361.0	448.0	515.7	543.1
82.5°	204.7	269.1	359.4	422.2	452.8
85°	125.7	193.4	277.2	336.8	357.7
87.5°	59.6	124.1	201.4	259.4	285.2
90°	8.1	69.3	141.8	198.2	219.2
92.5°	1.6	59.6	130.5	183.7	203.0
95°	1.6	59.6	128.9	180.5	199.8
97.5°	1.6	58.0	127.3	178.9	196.6
100°	1.6	56.4	125.7	175.7	195.0
102.5°	1.6	56.4	122.5	172.4	190.2
105°	1.6	54.8	120.9	169.2	186.9
107.5°	1.6	53.2	117.6	166.0	183.7
110°	1.6	50.0	116.0	161.1	178.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.6	48.3	112.8	157.9	174.0
115°	1.6	46.7	109.6	153.1	169.2
117.5°	1.6	45.1	104.7	148.3	164.4
120°	3.2	45.1	101.5	143.4	157.9
122.5°	3.2	43.5	96.7	137.0	151.5
125°	3.2	41.9	91.9	132.1	146.6
127.5°	3.2	40.3	87.0	125.7	138.6
130°	3.2	37.1	83.8	119.2	132.1
132.5°	3.2	35.5	79.0	111.2	124.1
135°	3.2	32.2	74.1	104.7	117.6
137.5°	3.2	30.6	69.3	98.3	109.6
140°	3.2	29.0	62.8	91.9	103.1
142.5°	3.2	25.8	58.0	85.4	95.1
145°	3.2	24.2	51.6	79.0	87.0
147.5°	3.2	20.9	46.7	72.5	80.6
150°	3.2	19.3	41.9	66.1	74.1
152.5°	3.2	17.7	37.1	58.0	66.1
155°	3.2	16.1	33.8	50.0	59.6
157.5°	3.2	14.5	29.0	43.5	53.2
160°	4.8	12.9	25.8	37.1	45.1
162.5°	4.8	11.3	20.9	30.6	40.3
165°	4.8	11.3	17.7	24.2	33.8
167.5°	4.8	9.7	14.5	19.3	27.4
170°	4.8	8.1	12.9	14.5	20.9
172.5°	4.8	6.4	9.7	9.7	11.3
175°	4.8	6.4	8.1	8.1	4.8
177.5°	4.8	4.8	4.8	4.8	3.2
180°	4.8	4.8	4.8	4.8	4.8

(END OF REPORT)