

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: P567252

Luminaire Tested: **8SNX-120SL-FDL-UNV-L840-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567252  
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-L840-CD  
Description: 8FT 12000 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND FDL LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

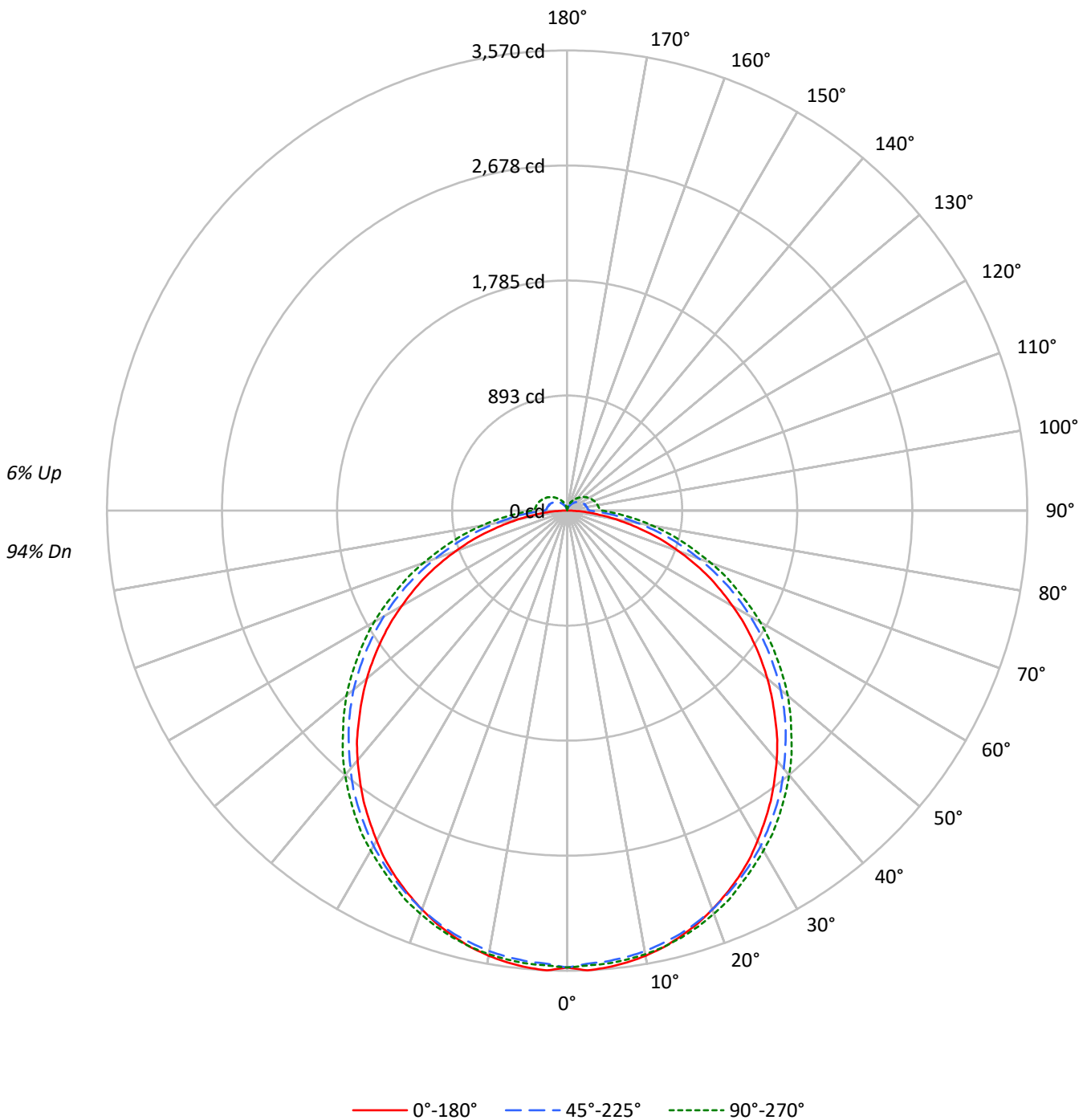
Lumens per Lamp: N/A  
Luminaire Lumens: 11264.0 lumens  
Efficiency: N/A  
Efficacy: 134.1 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.04')  
CIE Type: Direct

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°	19077	19077	19077
5°	19216	18767	18789
10°	19146	18570	18553
15°	19012	18341	18288
20°	18826	18062	17976
25°	18611	17756	17608
30°	18316	17444	17267
35°	18020	17078	16912
40°	17693	16672	16512
45°	17278	16271	16046
50°	16880	15813	15620
55°	16386	15246	15027
60°	15832	14597	14445
65°	15249	13823	13642
70°	14235	12848	12810
75°	13020	11699	11814
80°	11229	10174	10710
85°	9069	8868	9412



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	336.2	3.0
10°-20°	964.6	8.6
20°-30°	1461.8	13.0
30°-40°	1764.7	15.7
40°-50°	1842.8	16.4
50°-60°	1692.9	15.0
60°-70°	1338.7	11.9
70°-80°	847.3	7.5
80°-90°	364.2	3.2
90°-100°	160.3	1.4
100°-110°	143.5	1.3
110°-120°	121.2	1.1
120°-130°	94.5	0.8
130°-140°	65.4	0.6
140°-150°	39.2	0.3
150°-160°	19.2	0.2
160°-170°	6.6	0.1
170°-180°	1.0	0.0
0°-30°	2762.6	24.5
0°-40°	4527.3	40.2
0°-60°	8063.0	71.6
0°-90°	10613.2	94.2
90°-120°	424.9	3.8
90°-150°	624.0	5.5
90°-180°	651.0	5.8
0°-180°	11264.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3545	3545	3545	3545	3545	
5°	3558	3549	3511	3541	3529	338
15°	3417	3417	3399	3435	3429	964
25°	3142	3156	3160	3202	3196	1447
35°	2753	2785	2820	2864	2874	1721
45°	2282	2338	2398	2444	2460	1762
55°	1759	1831	1907	1969	1983	1574
65°	1211	1279	1368	1432	1454	1192
75°	638	714	818	888	922	677
85°	156	239	343	417	443	172
90°	10	86	176	245	271	13
95°	2	74	160	223	247	2
105°	2	68	150	209	231	2
115°	2	58	136	190	209	2
125°	4	52	114	164	182	4
135°	4	40	92	130	146	3
145°	4	30	64	98	108	3
155°	4	20	42	62	74	2
165°	6	14	22	30	42	2
175°	6	8	10	10	6	1
180°	6	6	6	6	6	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3544.6	3544.6	3544.6	3544.6	3544.6
2.5°	3570.5	3558.5	3518.6	3546.6	3532.6
5°	3558.5	3548.6	3510.7	3540.6	3528.6
7.5°	3536.6	3528.6	3494.7	3526.6	3514.6
10°	3506.7	3500.7	3470.8	3502.7	3494.7
12.5°	3468.8	3466.8	3436.9	3472.8	3466.8
15°	3416.9	3416.9	3399.0	3434.9	3428.9
17.5°	3361.1	3363.1	3349.1	3387.0	3383.0
20°	3293.2	3303.2	3293.2	3333.1	3329.1
22.5°	3219.4	3233.4	3229.4	3269.3	3271.3
25°	3141.6	3155.6	3159.6	3201.5	3195.5
27.5°	3055.9	3077.8	3085.8	3123.7	3121.7
30°	2956.1	2986.1	3004.0	3035.9	3045.9
32.5°	2854.4	2890.3	2912.3	2956.1	2968.1
35°	2752.7	2784.6	2820.5	2864.4	2874.4
37.5°	2641.0	2676.9	2724.8	2766.6	2778.6
40°	2529.3	2569.2	2615.0	2660.9	2678.9
42.5°	2413.6	2455.5	2505.3	2559.2	2577.1
45°	2281.9	2337.8	2397.6	2443.5	2459.5
47.5°	2156.3	2218.1	2281.9	2331.8	2349.7
50°	2028.6	2094.4	2162.2	2208.1	2236.1
52.5°	1895.0	1966.8	2034.6	2092.4	2110.4
55°	1759.3	1831.1	1906.9	1968.8	1982.7
57.5°	1627.7	1697.5	1773.3	1831.1	1859.1
60°	1484.1	1559.8	1641.6	1699.5	1729.4
62.5°	1344.4	1418.2	1506.0	1567.8	1591.8
65°	1210.8	1278.6	1368.4	1432.2	1454.1
67.5°	1063.2	1141.0	1226.7	1300.5	1328.5
70°	917.6	991.4	1089.1	1158.9	1186.8
72.5°	781.9	853.7	951.5	1021.3	1047.2
75°	638.3	714.1	817.8	887.6	921.5
77.5°	500.7	584.4	684.2	760.0	797.9
80°	373.0	446.8	554.5	638.3	672.2
82.5°	253.3	333.1	444.8	522.6	560.5
85°	155.6	239.4	343.1	416.9	442.8
87.5°	73.8	153.6	249.3	321.1	353.1
90°	10.0	85.8	175.5	245.3	271.3
92.5°	2.0	73.8	161.6	227.4	251.3
95°	2.0	73.8	159.6	223.4	247.3
97.5°	2.0	71.8	157.6	221.4	243.4
100°	2.0	69.8	155.6	217.4	241.4
102.5°	2.0	69.8	151.6	213.4	235.4
105°	2.0	67.8	149.6	209.4	231.4
107.5°	2.0	65.8	145.6	205.5	227.4
110°	2.0	61.8	143.6	199.5	221.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	2.0	59.8	139.6	195.5	215.4
115°	2.0	57.8	135.6	189.5	209.4
117.5°	2.0	55.9	129.7	183.5	203.5
120°	4.0	55.9	125.7	177.5	195.5
122.5°	4.0	53.9	119.7	169.5	187.5
125°	4.0	51.9	113.7	163.6	181.5
127.5°	4.0	49.9	107.7	155.6	171.5
130°	4.0	45.9	103.7	147.6	163.6
132.5°	4.0	43.9	97.7	137.6	153.6
135°	4.0	39.9	91.8	129.7	145.6
137.5°	4.0	37.9	85.8	121.7	135.6
140°	4.0	35.9	77.8	113.7	127.7
142.5°	4.0	31.9	71.8	105.7	117.7
145°	4.0	29.9	63.8	97.7	107.7
147.5°	4.0	25.9	57.8	89.8	99.7
150°	4.0	23.9	51.9	81.8	91.8
152.5°	4.0	21.9	45.9	71.8	81.8
155°	4.0	19.9	41.9	61.8	73.8
157.5°	4.0	18.0	35.9	53.9	65.8
160°	6.0	16.0	31.9	45.9	55.9
162.5°	6.0	14.0	25.9	37.9	49.9
165°	6.0	14.0	21.9	29.9	41.9
167.5°	6.0	12.0	18.0	23.9	33.9
170°	6.0	10.0	16.0	18.0	25.9
172.5°	6.0	8.0	12.0	12.0	14.0
175°	6.0	8.0	10.0	10.0	6.0
177.5°	6.0	6.0	6.0	6.0	4.0
180°	6.0	6.0	6.0	6.0	6.0

(END OF REPORT)