

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: P567260

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

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567260  
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-120SL-LC-UNV-L840-CD  
Description: 8FT 12000 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND LC LENS  
Light Source: -  
Ballast/Driver: -

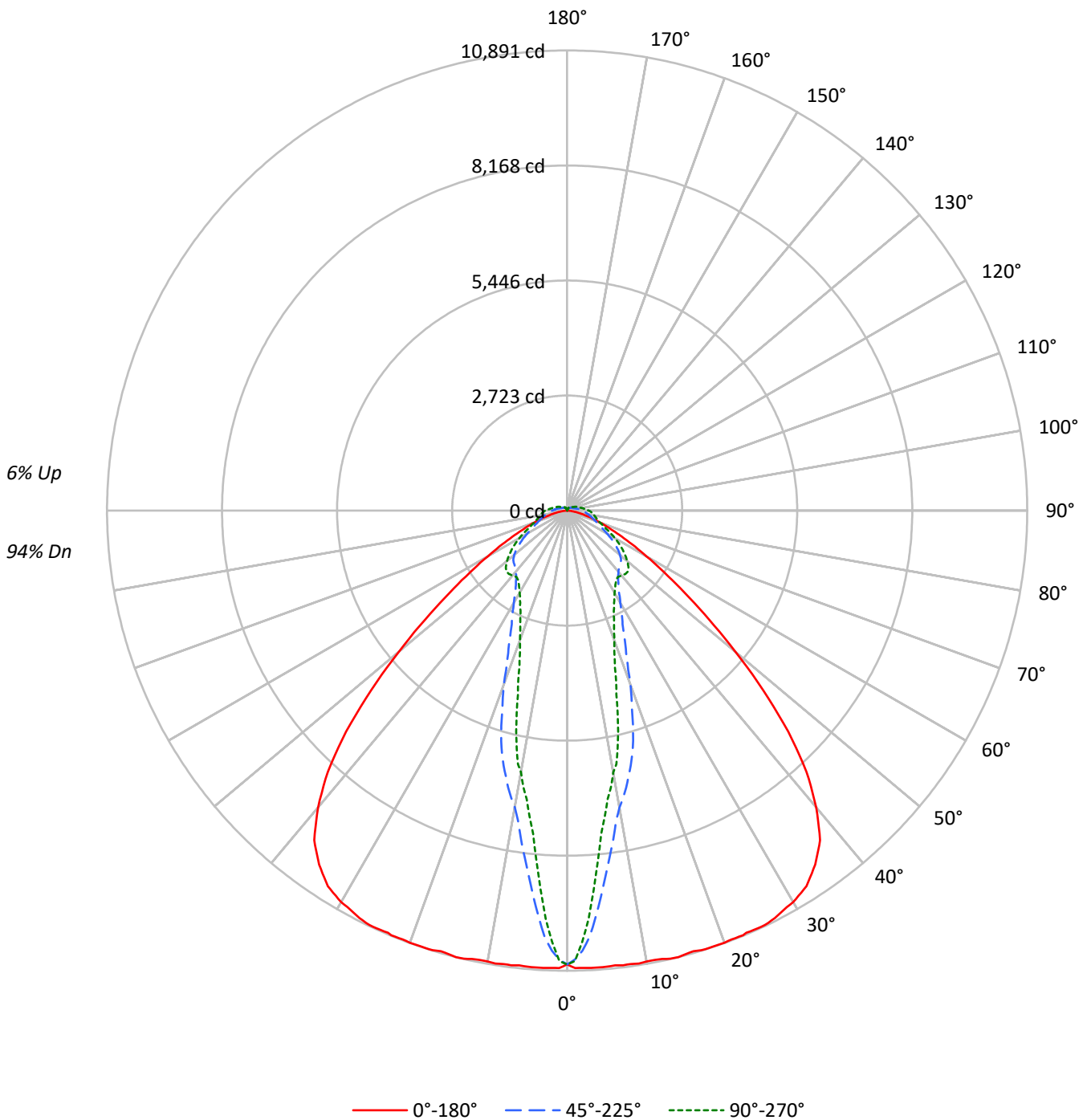
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13241.0 lumens  
Efficiency: N/A  
Efficacy: 157.6 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): 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

TEST NUMBER: P567260  
CATALOG NUMBER: 8SNX-120SL-LC-UNV-L840-CD

### Luminous Intensity Polar Plot





TEST NUMBER: P567260

CATALOG NUMBER: 8SNX-120SL-LC-UNV-L840-CD

**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	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°	57811	57811	57811
5°	58439	47542	42502
10°	59006	35932	30760
15°	60196	29403	21300
20°	61869	21299	15043
25°	63933	15275	11835
30°	65711	12216	10079
35°	66264	10344	9027
40°	63347	9413	9049
45°	55147	9105	9296
50°	42466	8670	8675
55°	30915	7591	7697
60°	22559	6344	6509
65°	16543	5373	5335
70°	12322	4754	4601
75°	8902	4412	4288
80°	6018	4142	4223
85°	3047	3962	4229



TEST NUMBER: P567260

CATALOG NUMBER: 8SNX-120SL-LC-UNV-L840-CD

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	844.8	6.4
10°-20°	1834.4	13.9
20°-30°	2099.8	15.9
30°-40°	2103.5	15.9
40°-50°	1991.2	15.0
50°-60°	1527.1	11.5
60°-70°	984.4	7.4
70°-80°	627.7	4.7
80°-90°	416.8	3.1
90°-100°	280.2	2.1
100°-110°	184.6	1.4
110°-120°	128.4	1.0
120°-130°	89.6	0.7
130°-140°	62.2	0.5
140°-150°	38.1	0.3
150°-160°	19.3	0.1
160°-170°	7.4	0.1
170°-180°	1.4	0.0
0°-30°	4778.9	36.1
0°-40°	6882.4	52.0
0°-60°	10400.8	78.6
0°-90°	12429.7	93.9
90°-120°	593.3	4.5
90°-150°	783.1	5.9
90°-180°	811.0	6.1
0°-180°	13241.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	10742	10742	10742	10742	10742	
5°	10837	10240	9174	8557	8326	###
15°	10864	7824	5965	4899	4506	3081
25°	10871	5537	3155	2741	2612	5011
35°	10233	3081	2110	2042	2015	6349
45°	7396	1948	1778	1968	2036	5624
55°	3393	1391	1371	1540	1601	3120
65°	1357	875	862	984	1018	1396
75°	461	475	597	685	719	507
85°	61	217	421	550	590	84
90°	0	149	353	489	509	3
95°	0	109	292	400	421	0
105°	0	81	190	271	292	4
115°	7	68	142	197	210	7
125°	7	61	122	142	149	6
135°	7	48	95	115	122	5
145°	7	34	68	88	95	4
155°	7	20	41	61	68	3
165°	14	14	27	34	41	3
175°	14	14	14	14	7	1
180°	14	14	14	14	14	



TEST NUMBER: P567260

CATALOG NUMBER: 8SNX-120SL-LC-UNV-L840-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	10741.7	10741.7	10741.7	10741.7	10741.7
1°	10830.0	10768.9	10626.4	10667.1	10660.3
2°	10830.0	10701.0	10422.8	10341.4	10219.2
3°	10836.7	10585.7	10110.7	9846.0	9676.4
4°	10836.7	10416.0	9649.2	9208.2	8991.0
5°	10836.7	10239.6	9174.2	8556.8	8326.0
6°	10823.2	10029.2	8692.5	8041.0	7695.0
7°	10843.5	9798.5	8258.2	7559.3	7287.8
8°	10836.7	9527.1	7857.8	7192.8	6894.3
9°	10857.1	9262.5	7423.5	6846.8	6622.8
10°	10836.7	9018.2	7138.5	6521.0	6290.3
11°	10836.7	8780.7	6935.0	6310.7	6113.9
12°	10850.3	8509.3	6711.0	6012.1	5740.7
13°	10884.2	8231.0	6453.2	5686.4	5367.5
14°	10891.0	8020.7	6215.7	5272.5	4940.0
15°	10863.9	7823.9	5964.6	4899.3	4505.7
16°	10850.3	7620.3	5666.0	4546.4	4193.6
17°	10877.5	7382.8	5326.8	4186.8	3861.1
18°	10884.2	7165.7	4967.1	3915.3	3630.3
19°	10884.2	6996.0	4675.3	3664.3	3420.0
20°	10884.2	6833.2	4376.8	3474.3	3263.9
21°	10870.7	6629.6	4037.5	3277.5	3101.1
22.5°	10877.5	6249.6	3650.7	3046.8	2904.3
23°	10857.1	6154.6	3555.7	2985.7	2836.4
24°	10863.9	5883.2	3352.1	2863.6	2721.1
25°	10870.7	5537.1	3155.3	2741.4	2612.5
26°	10857.1	5258.9	2992.5	2626.1	2537.8
27°	10823.2	5035.0	2877.1	2531.1	2449.6
28°	10775.7	4736.4	2755.0	2449.6	2375.0
29°	10728.2	4397.1	2632.8	2361.4	2307.1
30°	10701.0	4125.7	2517.5	2293.6	2246.1
32.5°	10538.2	3589.6	2280.0	2157.8	2117.1
35°	10232.8	3080.7	2110.3	2042.5	2015.3
37.5°	9832.5	2687.1	1981.4	1967.8	1974.6
40°	9174.2	2375.0	1886.4	1947.5	2008.6
42.5°	8387.1	2130.7	1818.6	1967.8	2035.7
45°	7396.4	1947.5	1777.8	1967.8	2035.7
47.5°	6297.1	1798.2	1730.4	1900.0	1967.8
50°	5197.8	1662.5	1635.4	1798.2	1859.3
52.5°	4227.5	1533.6	1513.2	1669.3	1730.4
55°	3392.8	1391.1	1370.7	1540.4	1601.4
57.5°	2721.1	1255.4	1235.0	1391.1	1452.1
60°	2171.4	1119.6	1085.7	1241.8	1302.9
62.5°	1730.4	990.7	970.4	1106.1	1160.4
65°	1357.1	875.4	861.8	983.9	1017.9



TEST NUMBER: P567260

CATALOG NUMBER: 8SNX-120SL-LC-UNV-L840-CD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	1072.1	766.8	773.6	875.4	916.1
70°	827.9	665.0	705.7	800.7	827.9
72.5°	624.3	563.2	651.4	732.9	766.8
75°	461.4	475.0	597.1	685.4	719.3
77.5°	318.9	393.6	549.6	644.6	678.6
80°	217.1	318.9	502.1	610.7	651.4
82.5°	128.9	264.6	461.4	576.8	624.3
85°	61.1	217.1	420.7	549.6	590.4
87.5°	20.4	176.4	380.0	522.5	556.4
90°	0.0	149.3	352.9	488.6	508.9
92.5°	0.0	128.9	318.9	447.9	461.4
95°	0.0	108.6	291.8	400.4	420.7
97.5°	0.0	101.8	271.4	359.6	386.8
100°	0.0	95.0	244.3	325.7	352.9
102.5°	0.0	81.4	217.1	291.8	318.9
105°	0.0	81.4	190.0	271.4	291.8
107.5°	6.8	74.6	176.4	244.3	271.4
110°	6.8	74.6	156.1	230.7	251.1
112.5°	6.8	74.6	149.3	210.4	237.5
115°	6.8	67.9	142.5	196.8	210.4
117.5°	6.8	67.9	135.7	176.4	190.0
120°	6.8	61.1	128.9	162.9	169.6
122.5°	6.8	61.1	122.1	149.3	156.1
125°	6.8	61.1	122.1	142.5	149.3
127.5°	6.8	54.3	115.4	135.7	135.7
130°	6.8	54.3	108.6	128.9	128.9
132.5°	6.8	47.5	101.8	122.1	128.9
135°	6.8	47.5	95.0	115.4	122.1
137.5°	6.8	40.7	88.2	108.6	115.4
140°	6.8	40.7	81.4	101.8	108.6
142.5°	6.8	33.9	74.6	95.0	101.8
145°	6.8	33.9	67.9	88.2	95.0
147.5°	6.8	33.9	61.1	81.4	88.2
150°	6.8	27.1	54.3	74.6	81.4
152.5°	6.8	27.1	47.5	67.9	74.6
155°	6.8	20.4	40.7	61.1	67.9
157.5°	6.8	20.4	40.7	54.3	61.1
160°	13.6	20.4	33.9	47.5	54.3
162.5°	6.8	13.6	33.9	40.7	47.5
165°	13.6	13.6	27.1	33.9	40.7
167.5°	13.6	13.6	20.4	27.1	33.9
170°	13.6	13.6	20.4	20.4	27.1
172.5°	13.6	13.6	13.6	20.4	13.6
175°	13.6	13.6	13.6	13.6	6.8
177.5°	13.6	13.6	13.6	13.6	6.8



TEST NUMBER: P567260

CATALOG NUMBER: 8SNX-120SL-LC-UNV-L840-CD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	13.6	13.6	13.6	13.6	13.6

(END OF REPORT)