

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: P567264

Luminaire Tested: **8SNX-120SL-LC-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567264
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-L940-CD
Description: 8FT 12000 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

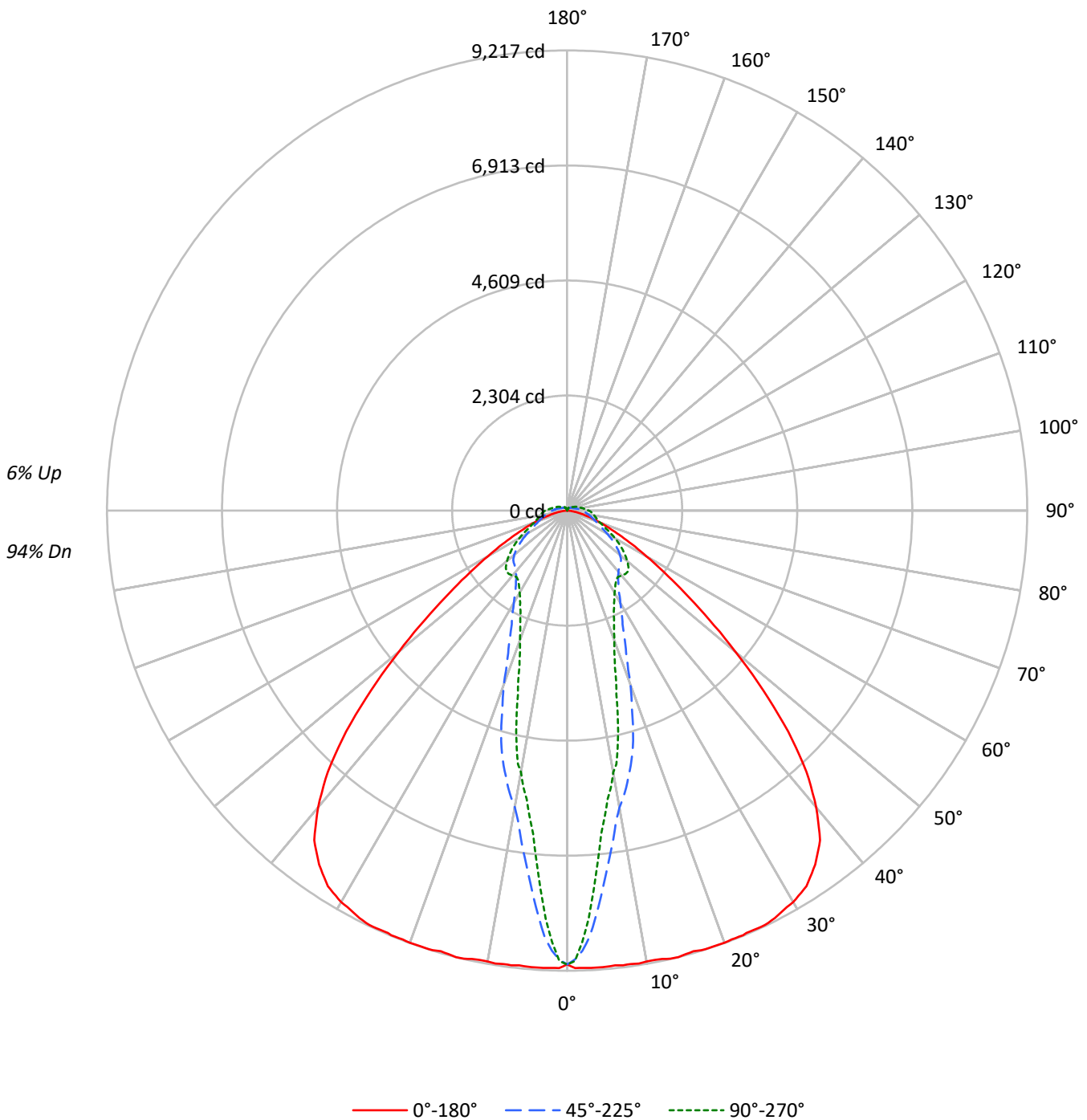
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11206.0 lumens
Efficiency: N/A
Efficacy: 133.4 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: P567264
CATALOG NUMBER: 8SNX-120SL-LC-UNV-L940-CD

Luminous Intensity Polar Plot





TEST NUMBER: P567264

CATALOG NUMBER: 8SNX-120SL-LC-UNV-L940-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°	48927	48927	48927
5°	49458	40235	35970
10°	49938	30409	26033
15°	50944	24884	18026
20°	52360	18025	12731
25°	54107	12927	10016
30°	55613	10339	8530
35°	56080	8754	7640
40°	53612	7967	7659
45°	46672	7706	7868
50°	35940	7337	7342
55°	26164	6424	6514
60°	19092	5369	5508
65°	14002	4547	4515
70°	10428	4024	3893
75°	7534	3734	3629
80°	5095	3506	3574
85°	2579	3354	3579



TEST NUMBER: P567264

CATALOG NUMBER: 8SNX-120SL-LC-UNV-L940-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	714.9	6.4
10°-20°	1552.5	13.9
20°-30°	1777.1	15.9
30°-40°	1780.2	15.9
40°-50°	1685.2	15.0
50°-60°	1292.4	11.5
60°-70°	833.1	7.4
70°-80°	531.2	4.7
80°-90°	352.8	3.1
90°-100°	237.1	2.1
100°-110°	156.3	1.4
110°-120°	108.7	1.0
120°-130°	75.8	0.7
130°-140°	52.6	0.5
140°-150°	32.2	0.3
150°-160°	16.3	0.1
160°-170°	6.3	0.1
170°-180°	1.2	0.0
0°-30°	4044.5	36.1
0°-40°	5824.7	52.0
0°-60°	8802.3	78.6
0°-90°	10519.4	93.9
90°-120°	502.1	4.5
90°-150°	662.7	5.9
90°-180°	687.0	6.1
0°-180°	11206.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9091	9091	9091	9091	9091	
5°	9171	8666	7764	7242	7046	876
15°	9194	6621	5048	4146	3813	2608
25°	9200	4686	2670	2320	2211	4241
35°	8660	2607	1786	1729	1706	5373
45°	6260	1648	1505	1665	1723	4759
55°	2871	1177	1160	1304	1355	2640
65°	1149	741	729	833	861	1181
75°	390	402	505	580	609	429
85°	52	184	356	465	500	71
90°	0	126	299	414	431	2
95°	0	92	247	339	356	0
105°	0	69	161	230	247	4
115°	6	57	121	166	178	6
125°	6	52	103	121	126	5
135°	6	40	80	98	103	4
145°	6	29	57	75	80	4
155°	6	17	34	52	57	3
165°	12	12	23	29	34	3
175°	12	12	12	12	6	1
180°	12	12	12	12	12	



TEST NUMBER: P567264

CATALOG NUMBER: 8SNX-120SL-LC-UNV-L940-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9090.9	9090.9	9090.9	9090.9	9090.9
1°	9165.5	9113.8	8993.2	9027.7	9021.9
2°	9165.5	9056.4	8820.9	8752.0	8648.7
3°	9171.3	8958.8	8556.8	8332.8	8189.2
4°	9171.3	8815.2	8166.3	7793.0	7609.2
5°	9171.3	8665.9	7764.3	7241.7	7046.4
6°	9159.8	8487.9	7356.5	6805.2	6512.3
7°	9177.0	8292.6	6989.0	6397.5	6167.8
8°	9171.3	8062.9	6650.2	6087.4	5834.7
9°	9188.5	7838.9	6282.6	5794.5	5605.0
10°	9171.3	7632.2	6041.4	5518.8	5323.6
11°	9171.3	7431.2	5869.1	5340.8	5174.3
12°	9182.7	7201.5	5679.6	5088.1	4858.4
13°	9211.4	6966.0	5461.4	4812.5	4542.6
14°	9217.2	6788.0	5260.4	4462.2	4180.8
15°	9194.2	6621.4	5047.9	4146.3	3813.2
16°	9182.7	6449.2	4795.2	3847.7	3549.0
17°	9205.7	6248.2	4508.1	3543.3	3267.7
18°	9211.4	6064.4	4203.7	3313.6	3072.4
19°	9211.4	5920.8	3956.8	3101.1	2894.4
20°	9211.4	5783.0	3704.1	2940.3	2762.3
21°	9200.0	5610.7	3417.0	2773.8	2624.5
22.5°	9205.7	5289.1	3089.6	2578.5	2457.9
23°	9188.5	5208.7	3009.2	2526.8	2400.5
24°	9194.2	4979.0	2836.9	2423.5	2302.9
25°	9200.0	4686.1	2670.4	2320.1	2211.0
26°	9188.5	4450.7	2532.6	2222.5	2147.8
27°	9159.8	4261.2	2434.9	2142.1	2073.2
28°	9119.6	4008.5	2331.6	2073.2	2010.0
29°	9079.4	3721.3	2228.2	1998.5	1952.6
30°	9056.4	3491.6	2130.6	1941.1	1900.9
32.5°	8918.6	3037.9	1929.6	1826.2	1791.8
35°	8660.1	2607.2	1786.0	1728.6	1705.6
37.5°	8321.3	2274.1	1676.9	1665.4	1671.2
40°	7764.3	2010.0	1596.5	1648.2	1699.9
42.5°	7098.1	1803.2	1539.1	1665.4	1722.8
45°	6259.7	1648.2	1504.6	1665.4	1722.8
47.5°	5329.3	1521.8	1464.4	1608.0	1665.4
50°	4399.0	1407.0	1384.0	1521.8	1573.5
52.5°	3577.8	1297.9	1280.6	1412.7	1464.4
55°	2871.4	1177.3	1160.0	1303.6	1355.3
57.5°	2302.9	1062.4	1045.2	1177.3	1229.0
60°	1837.7	947.6	918.8	1050.9	1102.6
62.5°	1464.4	838.4	821.2	936.1	982.0
65°	1148.6	740.8	729.3	832.7	861.4



TEST NUMBER: P567264

CATALOG NUMBER: 8SNX-120SL-LC-UNV-L940-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	907.4	648.9	654.7	740.8	775.3
70°	700.6	562.8	597.3	677.7	700.6
72.5°	528.3	476.7	551.3	620.2	648.9
75°	390.5	402.0	505.4	580.0	608.7
77.5°	269.9	333.1	465.2	545.6	574.3
80°	183.8	269.9	425.0	516.9	551.3
82.5°	109.1	224.0	390.5	488.1	528.3
85°	51.7	183.8	356.1	465.2	499.6
87.5°	17.2	149.3	321.6	442.2	470.9
90°	0.0	126.3	298.6	413.5	430.7
92.5°	0.0	109.1	269.9	379.0	390.5
95°	0.0	91.9	246.9	338.8	356.1
97.5°	0.0	86.1	229.7	304.4	327.3
100°	0.0	80.4	206.7	275.7	298.6
102.5°	0.0	68.9	183.8	246.9	269.9
105°	0.0	68.9	160.8	229.7	246.9
107.5°	5.7	63.2	149.3	206.7	229.7
110°	5.7	63.2	132.1	195.3	212.5
112.5°	5.7	63.2	126.3	178.0	201.0
115°	5.7	57.4	120.6	166.5	178.0
117.5°	5.7	57.4	114.9	149.3	160.8
120°	5.7	51.7	109.1	137.8	143.6
122.5°	5.7	51.7	103.4	126.3	132.1
125°	5.7	51.7	103.4	120.6	126.3
127.5°	5.7	45.9	97.6	114.9	114.9
130°	5.7	45.9	91.9	109.1	109.1
132.5°	5.7	40.2	86.1	103.4	109.1
135°	5.7	40.2	80.4	97.6	103.4
137.5°	5.7	34.5	74.7	91.9	97.6
140°	5.7	34.5	68.9	86.1	91.9
142.5°	5.7	28.7	63.2	80.4	86.1
145°	5.7	28.7	57.4	74.7	80.4
147.5°	5.7	28.7	51.7	68.9	74.7
150°	5.7	23.0	45.9	63.2	68.9
152.5°	5.7	23.0	40.2	57.4	63.2
155°	5.7	17.2	34.5	51.7	57.4
157.5°	5.7	17.2	34.5	45.9	51.7
160°	11.5	17.2	28.7	40.2	45.9
162.5°	5.7	11.5	28.7	34.5	40.2
165°	11.5	11.5	23.0	28.7	34.5
167.5°	11.5	11.5	17.2	23.0	28.7
170°	11.5	11.5	17.2	17.2	23.0
172.5°	11.5	11.5	11.5	17.2	11.5
175°	11.5	11.5	11.5	11.5	5.7
177.5°	11.5	11.5	11.5	11.5	5.7



TEST NUMBER: P567264

CATALOG NUMBER: 8SNX-120SL-LC-UNV-L940-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	11.5	11.5	11.5	11.5	11.5

(END OF REPORT)