

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: P567286

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567286
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-120SL-SLW-UNV-L930-CD
Description: 8FT 12000 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

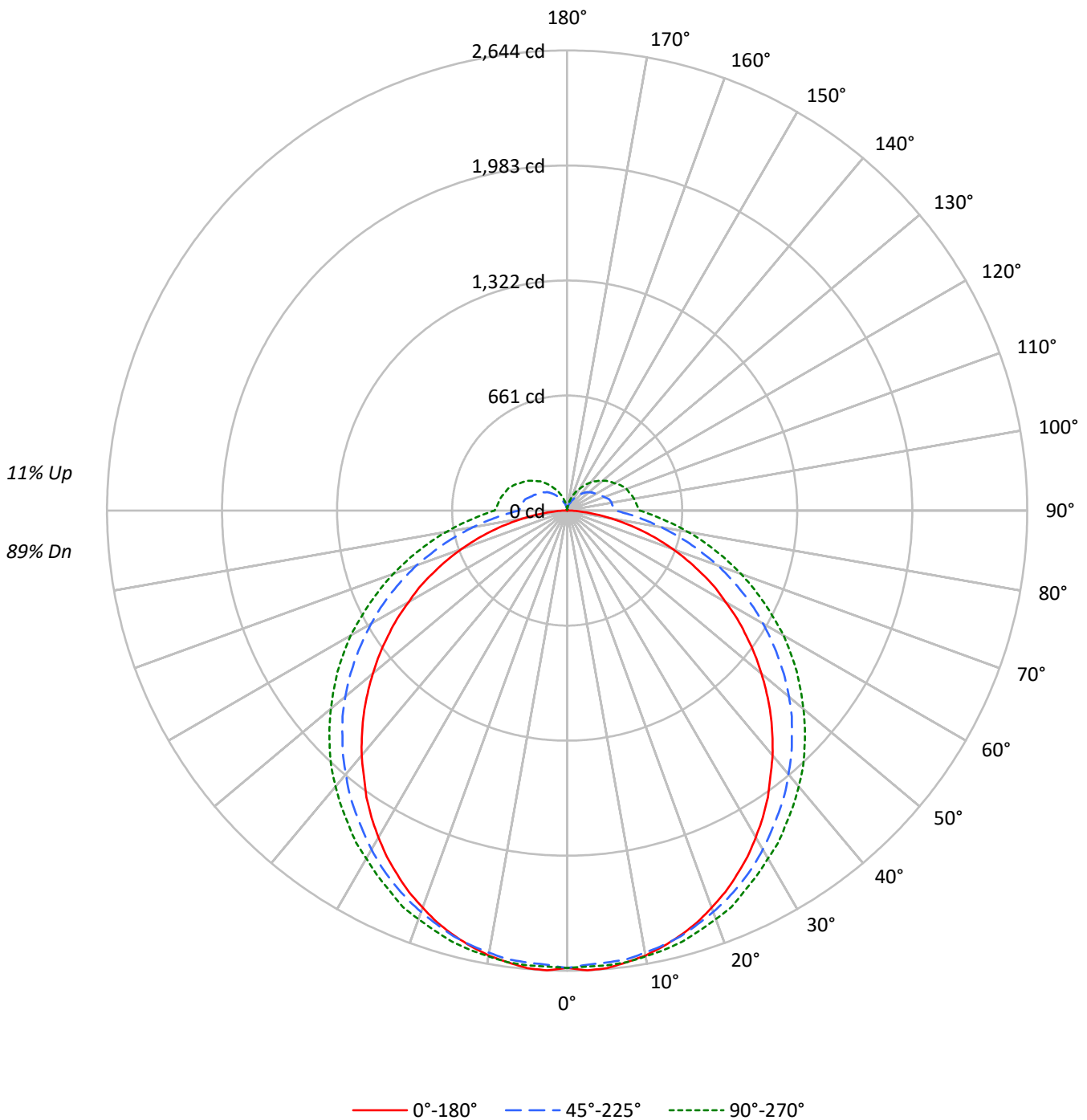
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9356.0 lumens
Efficiency: N/A
Efficacy: 111.4 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.08')
CIE Type: Semi-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: P567286
CATALOG NUMBER: 8SNX-120SL-SLW-UNV-L930-CD

Luminous Intensity Polar Plot





TEST NUMBER: P567286

CATALOG NUMBER: 8SNX-120SL-SLW-UNV-L930-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	0
RCR																		
0	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89
1	105	100	95	90	101	96	92	88	90	86	83	84	81	79	79	76	74	71
2	95	86	79	73	91	83	77	71	78	72	68	73	68	64	68	65	61	58
3	86	75	67	60	83	73	65	59	68	61	56	64	58	54	60	55	51	49
4	79	66	57	50	75	64	56	49	60	53	47	57	50	46	53	48	44	41
5	72	59	50	43	69	57	49	42	54	46	41	51	44	39	48	42	38	35
6	67	53	44	37	64	51	43	37	48	41	35	46	39	34	43	38	33	31
7	62	48	39	33	59	47	38	32	44	37	31	42	35	30	39	34	29	27
8	57	44	35	29	55	42	34	29	40	33	28	38	32	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	28	24	22
10	50	37	29	24	48	36	28	23	34	27	23	32	26	22	31	25	21	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	14144	14144	14144
5°	14244	13789	13769
10°	14159	13519	13428
15°	14031	13241	13114
20°	13851	12920	12765
25°	13642	12607	12400
30°	13390	12261	12038
35°	13113	11903	11699
40°	12795	11550	11374
45°	12450	11190	11023
50°	12056	10810	10631
55°	11624	10353	10244
60°	11115	9863	9814
65°	10599	9312	9271
70°	9865	8705	8740
75°	8895	7932	8152
80°	7297	7148	7573
85°	5382	6485	6979



TEST NUMBER: P567286

CATALOG NUMBER: 8SNX-120SL-SLW-UNV-L930-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	249.6	2.7
10°-20°	717.5	7.7
20°-30°	1091.0	11.7
30°-40°	1324.4	14.2
40°-50°	1399.4	15.0
50°-60°	1309.6	14.0
60°-70°	1074.5	11.5
70°-80°	739.0	7.9
80°-90°	404.7	4.3
90°-100°	260.6	2.8
100°-110°	233.9	2.5
110°-120°	193.6	2.1
120°-130°	149.1	1.6
130°-140°	104.7	1.1
140°-150°	63.1	0.7
150°-160°	30.2	0.3
160°-170°	9.9	0.1
170°-180°	1.2	0.0
0°-30°	2058.1	22.0
0°-40°	3382.5	36.2
0°-60°	6091.5	65.1
0°-90°	8309.7	88.8
90°-120°	688.1	7.4
90°-150°	1005.0	10.7
90°-180°	1046.0	11.2
0°-180°	9356.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2628	2628	2628	2628	2628	
5°	2639	2634	2606	2628	2623	250
15°	2525	2536	2531	2563	2563	712
25°	2308	2336	2363	2411	2411	1064
35°	2010	2059	2119	2178	2195	1256
45°	1653	1729	1826	1907	1929	1274
55°	1257	1360	1485	1577	1609	1125
65°	851	964	1111	1214	1246	843
75°	444	564	726	840	878	468
85°	98	233	396	504	542	113
90°	0	130	276	379	417	7
95°	0	125	266	363	401	0
105°	0	103	249	341	374	4
115°	5	92	211	304	341	5
125°	5	76	179	260	293	5
135°	5	60	146	211	238	4
145°	5	43	103	163	179	3
155°	5	27	65	103	119	2
165°	5	16	32	49	60	2
175°	5	5	11	11	5	1
180°	5	5	5	5	5	



TEST NUMBER: P567286

CATALOG NUMBER: 8SNX-120SL-SLW-UNV-L930-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2628.1	2628.1	2628.1	2628.1	2628.1
2.5°	2644.4	2639.0	2611.9	2633.5	2622.7
5°	2639.0	2633.5	2606.4	2628.1	2622.7
7.5°	2617.3	2617.3	2601.0	2622.7	2617.3
10°	2595.6	2595.6	2579.4	2606.4	2601.0
12.5°	2563.1	2568.5	2557.7	2590.2	2584.8
15°	2525.2	2536.0	2530.6	2563.1	2563.1
17.5°	2481.8	2492.7	2492.7	2530.6	2530.6
20°	2427.6	2443.9	2454.7	2498.1	2498.1
22.5°	2373.4	2395.1	2411.4	2449.3	2465.6
25°	2308.4	2335.5	2362.6	2411.4	2411.4
27.5°	2243.4	2275.9	2308.4	2357.2	2362.6
30°	2167.5	2205.5	2248.8	2297.6	2308.4
32.5°	2091.7	2140.4	2183.8	2243.4	2259.6
35°	2010.4	2059.1	2118.8	2178.4	2194.6
37.5°	1918.3	1977.9	2053.7	2118.8	2135.0
40°	1837.0	1902.0	1977.9	2053.7	2070.0
42.5°	1744.9	1815.3	1907.4	1977.9	2005.0
45°	1652.7	1728.6	1826.1	1907.4	1929.1
47.5°	1555.2	1641.9	1750.3	1826.1	1853.2
50°	1457.7	1549.8	1663.6	1750.3	1772.0
52.5°	1360.1	1457.7	1576.9	1663.6	1690.7
55°	1257.2	1360.1	1484.8	1576.9	1609.4
57.5°	1159.6	1262.6	1392.6	1490.2	1522.7
60°	1051.2	1170.5	1300.5	1398.1	1436.0
62.5°	959.1	1067.5	1208.4	1305.9	1338.4
65°	850.8	964.5	1110.9	1213.8	1246.3
67.5°	747.8	867.0	1013.3	1121.7	1154.2
70°	644.8	764.1	921.2	1024.2	1062.1
72.5°	541.9	666.5	818.2	932.0	970.0
75°	444.3	563.6	726.1	839.9	877.8
77.5°	341.4	471.4	634.0	747.8	791.1
80°	249.3	384.7	547.3	661.1	704.4
82.5°	168.0	303.5	466.0	579.8	623.2
85°	97.5	233.0	395.6	503.9	541.9
87.5°	48.8	178.8	330.5	438.9	476.9
90°	0.0	130.1	276.4	379.3	417.2
92.5°	0.0	124.6	270.9	368.5	406.4
95°	0.0	124.6	265.5	363.1	401.0
97.5°	0.0	119.2	260.1	363.1	395.6
100°	0.0	113.8	260.1	357.6	390.2
102.5°	0.0	108.4	254.7	352.2	384.7
105°	0.0	103.0	249.3	341.4	373.9
107.5°	5.4	103.0	238.4	336.0	368.5
110°	5.4	97.5	227.6	330.5	363.1



TEST NUMBER: P567286

CATALOG NUMBER: 8SNX-120SL-SLW-UNV-L930-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	5.4	92.1	216.8	319.7	352.2
115°	5.4	92.1	211.3	303.5	341.4
117.5°	5.4	86.7	200.5	292.6	330.5
120°	5.4	86.7	195.1	281.8	314.3
122.5°	5.4	81.3	184.2	270.9	303.5
125°	5.4	75.9	178.8	260.1	292.6
127.5°	5.4	70.4	173.4	249.3	281.8
130°	5.4	65.0	162.6	238.4	265.5
132.5°	5.4	65.0	157.1	222.2	254.7
135°	5.4	59.6	146.3	211.3	238.4
137.5°	5.4	54.2	135.5	200.5	227.6
140°	5.4	48.8	124.6	189.7	211.3
142.5°	5.4	48.8	113.8	173.4	195.1
145°	5.4	43.4	103.0	162.6	178.8
147.5°	5.4	37.9	92.1	146.3	162.6
150°	5.4	37.9	81.3	130.1	146.3
152.5°	5.4	32.5	70.4	119.2	135.5
155°	5.4	27.1	65.0	103.0	119.2
157.5°	5.4	27.1	54.2	86.7	103.0
160°	5.4	21.7	48.8	70.4	86.7
162.5°	5.4	21.7	43.4	59.6	75.9
165°	5.4	16.3	32.5	48.8	59.6
167.5°	5.4	16.3	27.1	37.9	48.8
170°	5.4	10.8	21.7	27.1	37.9
172.5°	5.4	10.8	16.3	16.3	16.3
175°	5.4	5.4	10.8	10.8	5.4
177.5°	5.4	5.4	5.4	5.4	5.4
180°	5.4	5.4	5.4	5.4	5.4

(END OF REPORT)