

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: P567288

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567288
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-L940-CD
Description: 8FT 12000 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

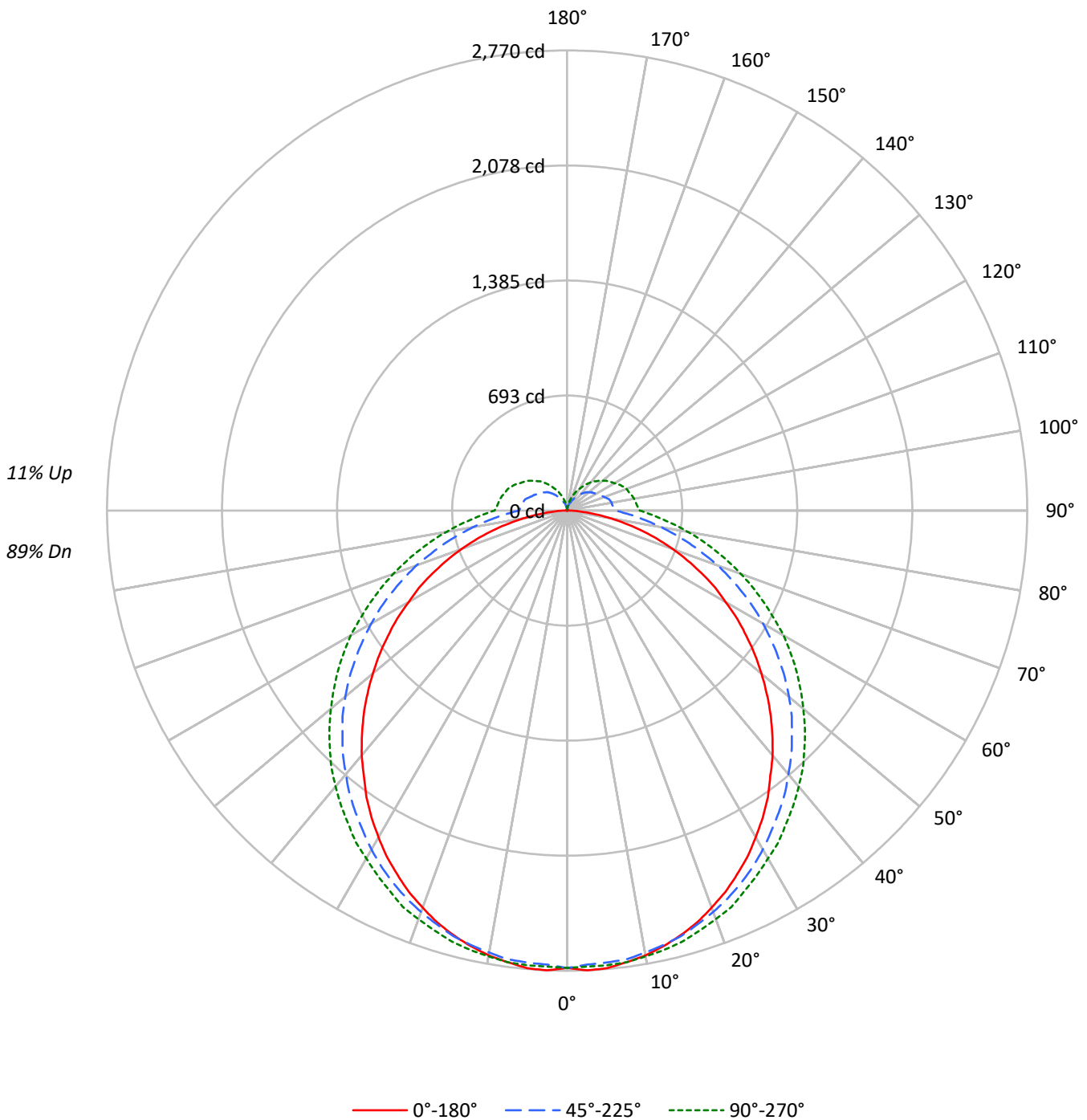
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9801.0 lumens
Efficiency: N/A
Efficacy: 116.7 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

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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	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	76	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°	14817	14817	14817
5°	14922	14445	14424
10°	14833	14162	14067
15°	14698	13871	13738
20°	14510	13535	13372
25°	14291	13206	12990
30°	14027	12845	12611
35°	13737	12469	12256
40°	13403	12099	11915
45°	13042	11722	11547
50°	12629	11324	11136
55°	12177	10845	10731
60°	11644	10332	10280
65°	11102	9755	9712
70°	10335	9119	9156
75°	9319	8310	8540
80°	7643	7488	7934
85°	5642	6793	7311



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	261.5	2.7
10°-20°	751.6	7.7
20°-30°	1142.9	11.7
30°-40°	1387.3	14.2
40°-50°	1466.0	15.0
50°-60°	1371.8	14.0
60°-70°	1125.6	11.5
70°-80°	774.2	7.9
80°-90°	424.0	4.3
90°-100°	273.0	2.8
100°-110°	245.0	2.5
110°-120°	202.8	2.1
120°-130°	156.1	1.6
130°-140°	109.7	1.1
140°-150°	66.1	0.7
150°-160°	31.7	0.3
160°-170°	10.4	0.1
170°-180°	1.2	0.0
0°-30°	2156.0	22.0
0°-40°	3543.3	36.2
0°-60°	6381.2	65.1
0°-90°	8704.9	88.8
90°-120°	720.8	7.4
90°-150°	1052.8	10.7
90°-180°	1096.0	11.2
0°-180°	9801.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2753	2753	2753	2753	2753	
5°	2764	2759	2730	2753	2747	262
15°	2645	2657	2651	2685	2685	746
25°	2418	2447	2475	2526	2526	1114
35°	2106	2157	2220	2282	2299	1316
45°	1731	1811	1913	1998	2021	1334
55°	1317	1425	1555	1652	1686	1179
65°	891	1010	1164	1272	1306	883
75°	466	590	761	880	920	490
85°	102	244	414	528	568	118
90°	0	136	290	397	437	7
95°	0	131	278	380	420	0
105°	0	108	261	358	392	4
115°	6	96	221	318	358	6
125°	6	80	187	272	306	5
135°	6	62	153	221	250	4
145°	6	45	108	170	187	4
155°	6	28	68	108	125	3
165°	6	17	34	51	62	2
175°	6	6	11	11	6	1
180°	6	6	6	6	6	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2753.1	2753.1	2753.1	2753.1	2753.1
2.5°	2770.2	2764.5	2736.1	2758.8	2747.4
5°	2764.5	2758.8	2730.4	2753.1	2747.4
7.5°	2741.8	2741.8	2724.7	2747.4	2741.8
10°	2719.1	2719.1	2702.0	2730.4	2724.7
12.5°	2685.0	2690.7	2679.3	2713.4	2707.7
15°	2645.3	2656.6	2650.9	2685.0	2685.0
17.5°	2599.9	2611.2	2611.2	2650.9	2650.9
20°	2543.1	2560.1	2571.5	2616.9	2616.9
22.5°	2486.3	2509.0	2526.1	2565.8	2582.8
25°	2418.2	2446.6	2475.0	2526.1	2526.1
27.5°	2350.1	2384.1	2418.2	2469.3	2475.0
30°	2270.6	2310.4	2355.8	2406.9	2418.2
32.5°	2191.1	2242.2	2287.6	2350.1	2367.1
35°	2106.0	2157.1	2219.5	2282.0	2299.0
37.5°	2009.5	2071.9	2151.4	2219.5	2236.6
40°	1924.3	1992.5	2071.9	2151.4	2168.4
42.5°	1827.8	1901.6	1998.1	2071.9	2100.3
45°	1731.3	1810.8	1913.0	1998.1	2020.8
47.5°	1629.2	1720.0	1833.5	1913.0	1941.4
50°	1527.0	1623.5	1742.7	1833.5	1856.2
52.5°	1424.8	1527.0	1651.9	1742.7	1771.1
55°	1317.0	1424.8	1555.4	1651.9	1685.9
57.5°	1214.8	1322.6	1458.9	1561.0	1595.1
60°	1101.2	1226.1	1362.4	1464.5	1504.3
62.5°	1004.7	1118.3	1265.9	1368.0	1402.1
65°	891.2	1010.4	1163.7	1271.5	1305.6
67.5°	783.4	908.2	1061.5	1175.0	1209.1
70°	675.5	800.4	965.0	1072.9	1112.6
72.5°	567.7	698.2	857.2	976.4	1016.1
75°	465.5	590.4	760.7	879.9	919.6
77.5°	357.6	493.9	664.2	783.4	828.8
80°	261.1	403.0	573.3	692.5	738.0
82.5°	176.0	317.9	488.2	607.4	652.8
85°	102.2	244.1	414.4	527.9	567.7
87.5°	51.1	187.3	346.3	459.8	499.5
90°	0.0	136.2	289.5	397.4	437.1
92.5°	0.0	130.6	283.8	386.0	425.7
95°	0.0	130.6	278.2	380.3	420.1
97.5°	0.0	124.9	272.5	380.3	414.4
100°	0.0	119.2	272.5	374.7	408.7
102.5°	0.0	113.5	266.8	369.0	403.0
105°	0.0	107.9	261.1	357.6	391.7
107.5°	5.7	107.9	249.8	351.9	386.0
110°	5.7	102.2	238.4	346.3	380.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	5.7	96.5	227.1	334.9	369.0
115°	5.7	96.5	221.4	317.9	357.6
117.5°	5.7	90.8	210.0	306.5	346.3
120°	5.7	90.8	204.4	295.2	329.2
122.5°	5.7	85.1	193.0	283.8	317.9
125°	5.7	79.5	187.3	272.5	306.5
127.5°	5.7	73.8	181.6	261.1	295.2
130°	5.7	68.1	170.3	249.8	278.2
132.5°	5.7	68.1	164.6	232.7	266.8
135°	5.7	62.4	153.3	221.4	249.8
137.5°	5.7	56.8	141.9	210.0	238.4
140°	5.7	51.1	130.6	198.7	221.4
142.5°	5.7	51.1	119.2	181.6	204.4
145°	5.7	45.4	107.9	170.3	187.3
147.5°	5.7	39.7	96.5	153.3	170.3
150°	5.7	39.7	85.1	136.2	153.3
152.5°	5.7	34.1	73.8	124.9	141.9
155°	5.7	28.4	68.1	107.9	124.9
157.5°	5.7	28.4	56.8	90.8	107.9
160°	5.7	22.7	51.1	73.8	90.8
162.5°	5.7	22.7	45.4	62.4	79.5
165°	5.7	17.0	34.1	51.1	62.4
167.5°	5.7	17.0	28.4	39.7	51.1
170°	5.7	11.4	22.7	28.4	39.7
172.5°	5.7	11.4	17.0	17.0	17.0
175°	5.7	5.7	11.4	11.4	5.7
177.5°	5.7	5.7	5.7	5.7	5.7
180°	5.7	5.7	5.7	5.7	5.7

(END OF REPORT)