

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: P567262

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567262
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-L930-CD
Description: 8FT 12000 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

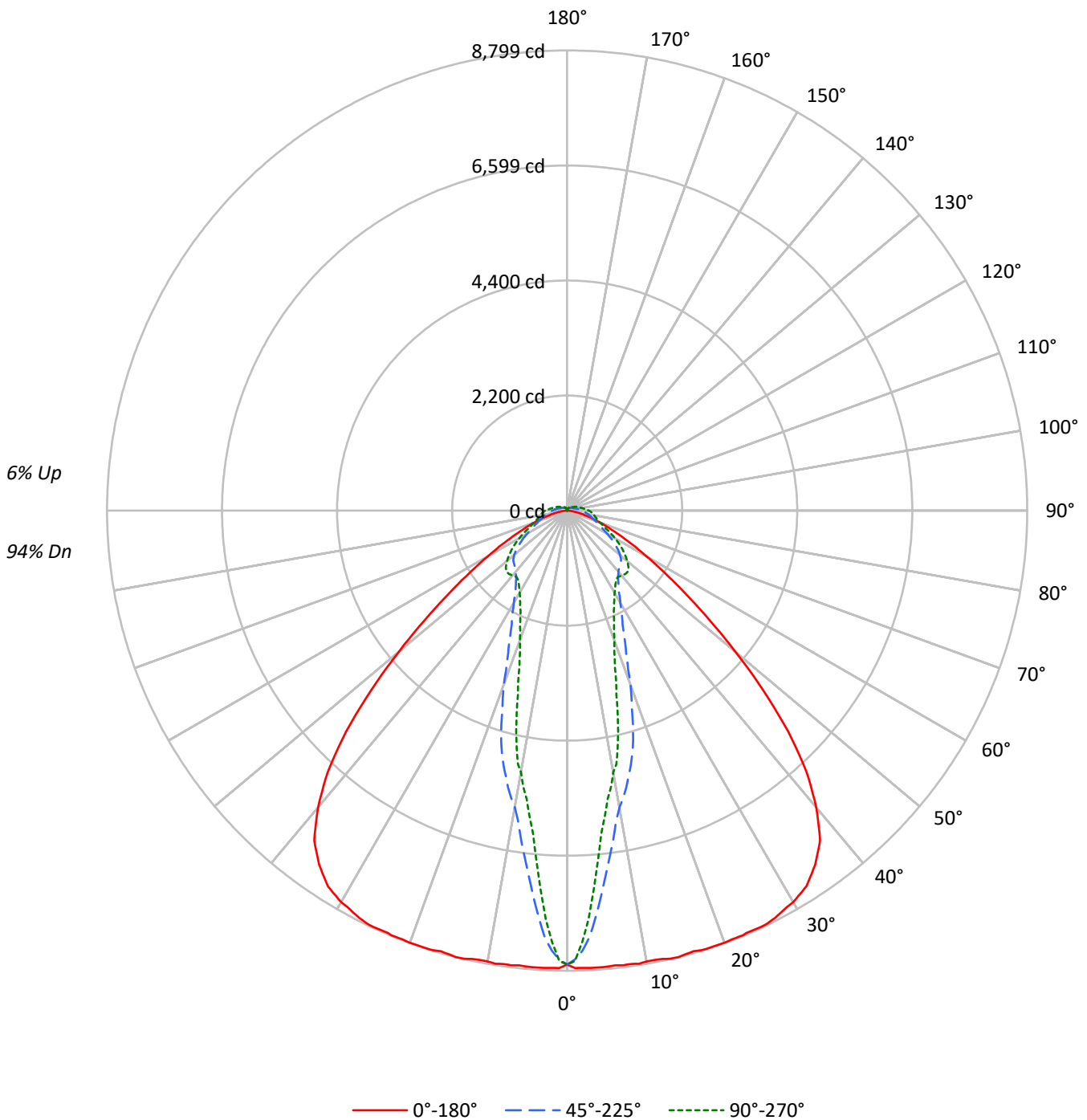
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10698.0 lumens
Efficiency: N/A
Efficacy: 127.4 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

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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	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					94			
1	108	103	99	96	105	101	97	94	95	92	90	90	88	86	86	84	82	80					80			
2	99	92	86	80	96	89	84	79	85	80	76	81	77	74	77	74	71	69					69			
3	92	82	75	69	89	80	73	68	76	71	66	73	68	64	70	66	62	60					60			
4	85	74	66	60	82	72	65	59	69	63	58	66	61	56	63	59	55	53					53			
5	79	67	59	53	76	66	58	52	63	56	51	60	55	50	58	53	49	47					47			
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	53	48	44	42					42			
7	69	56	48	43	67	55	48	42	53	46	42	51	45	41	50	44	40	38					38			
8	64	52	44	39	63	51	44	39	49	43	38	48	42	37	46	41	37	35					35			
9	61	48	41	36	59	47	40	35	46	39	35	44	39	34	43	38	34	32					32			
10	57	45	38	33	56	44	37	33	43	37	32	42	36	32	40	35	31	30					30			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	46708	46708	46708
5°	47216	38411	34340
10°	47674	29031	24853
15°	48635	23757	17209
20°	49987	17208	12154
25°	51654	12341	9562
30°	53091	9870	8143
35°	53538	8357	7293
40°	51181	7605	7311
45°	44556	7356	7511
50°	34311	7005	7009
55°	24978	6133	6219
60°	18227	5126	5258
65°	13367	4341	4310
70°	9956	3842	3717
75°	7193	3565	3464
80°	4862	3347	3412
85°	2459	3201	3417



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	682.5	6.4
10°-20°	1482.1	13.9
20°-30°	1696.5	15.9
30°-40°	1699.5	15.9
40°-50°	1608.8	15.0
50°-60°	1233.8	11.5
60°-70°	795.3	7.4
70°-80°	507.2	4.7
80°-90°	336.8	3.1
90°-100°	226.4	2.1
100°-110°	149.2	1.4
110°-120°	103.8	1.0
120°-130°	72.4	0.7
130°-140°	50.3	0.5
140°-150°	30.8	0.3
150°-160°	15.6	0.1
160°-170°	6.0	0.1
170°-180°	1.2	0.0
0°-30°	3861.1	36.1
0°-40°	5560.6	52.0
0°-60°	8403.3	78.6
0°-90°	10042.5	93.9
90°-120°	479.3	4.5
90°-150°	632.7	5.9
90°-180°	655.0	6.1
0°-180°	10698.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8679	8679	8679	8679	8679	
5°	8756	8273	7412	6913	6727	836
15°	8777	6321	4819	3958	3640	2490
25°	8783	4474	2549	2215	2111	4049
35°	8268	2489	1705	1650	1628	5130
45°	5976	1574	1436	1590	1645	4543
55°	2741	1124	1108	1244	1294	2521
65°	1096	707	696	795	822	1128
75°	373	384	482	554	581	410
85°	49	175	340	444	477	68
90°	0	121	285	395	411	2
95°	0	88	236	324	340	0
105°	0	66	154	219	236	4
115°	6	55	115	159	170	5
125°	6	49	99	115	121	5
135°	6	38	77	93	99	4
145°	6	27	55	71	77	3
155°	6	16	33	49	55	3
165°	11	11	22	27	33	3
175°	11	11	11	11	6	1
180°	11	11	11	11	11	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8678.7	8678.7	8678.7	8678.7	8678.7
1°	8750.0	8700.7	8585.5	8618.4	8612.9
2°	8750.0	8645.8	8421.1	8355.3	8256.6
3°	8755.5	8552.6	8168.9	7955.1	7818.0
4°	8755.5	8415.6	7796.1	7439.7	7264.3
5°	8755.5	8273.0	7412.3	6913.4	6727.0
6°	8744.5	8103.1	7023.0	6496.7	6217.1
7°	8761.0	7916.7	6672.2	6107.5	5888.2
8°	8755.5	7697.4	6348.7	5811.4	5570.2
9°	8771.9	7483.6	5997.8	5531.8	5350.9
10°	8755.5	7286.2	5767.5	5268.6	5082.2
11°	8755.5	7094.3	5603.1	5098.7	4939.7
12°	8766.5	6875.0	5422.2	4857.5	4638.2
13°	8793.9	6650.2	5213.8	4594.3	4336.6
14°	8799.4	6480.3	5021.9	4259.9	3991.2
15°	8777.4	6321.3	4819.1	3958.3	3640.4
16°	8766.5	6156.8	4577.9	3673.2	3388.2
17°	8788.4	5964.9	4303.7	3382.7	3119.5
18°	8793.9	5789.5	4013.2	3163.4	2933.1
19°	8793.9	5652.4	3777.4	2960.5	2763.2
20°	8793.9	5520.8	3536.2	2807.0	2637.1
21°	8782.9	5356.4	3262.1	2648.0	2505.5
22.5°	8788.4	5049.3	2949.6	2461.6	2346.5
23°	8771.9	4972.6	2872.8	2412.3	2291.7
24°	8777.4	4753.3	2708.3	2313.6	2198.5
25°	8782.9	4473.7	2549.3	2214.9	2110.7
26°	8771.9	4248.9	2417.8	2121.7	2050.4
27°	8744.5	4068.0	2324.6	2045.0	1979.2
28°	8706.1	3826.8	2225.9	1979.2	1918.9
29°	8667.8	3552.6	2127.2	1907.9	1864.0
30°	8645.8	3333.3	2034.0	1853.1	1814.7
32.5°	8514.3	2900.2	1842.1	1743.4	1710.5
35°	8267.6	2489.0	1705.0	1650.2	1628.3
37.5°	7944.1	2171.1	1600.9	1589.9	1595.4
40°	7412.3	1918.9	1524.1	1573.5	1622.8
42.5°	6776.3	1721.5	1469.3	1589.9	1644.7
45°	5975.9	1573.5	1436.4	1589.9	1644.7
47.5°	5087.7	1452.9	1398.0	1535.1	1589.9
50°	4199.6	1343.2	1321.3	1452.9	1502.2
52.5°	3415.6	1239.0	1222.6	1348.7	1398.0
55°	2741.2	1123.9	1107.5	1244.5	1293.9
57.5°	2198.5	1014.3	997.8	1123.9	1173.2
60°	1754.4	904.6	877.2	1003.3	1052.6
62.5°	1398.0	800.4	784.0	893.6	937.5
65°	1096.5	707.2	696.3	795.0	822.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	866.2	619.5	625.0	707.2	740.1
70°	668.9	537.3	570.2	646.9	668.9
72.5°	504.4	455.0	526.3	592.1	619.5
75°	372.8	383.8	482.5	553.7	581.1
77.5°	257.7	318.0	444.1	520.8	548.2
80°	175.4	257.7	405.7	493.4	526.3
82.5°	104.2	213.8	372.8	466.0	504.4
85°	49.3	175.4	339.9	444.1	477.0
87.5°	16.4	142.5	307.0	422.1	449.6
90°	0.0	120.6	285.1	394.7	411.2
92.5°	0.0	104.2	257.7	361.8	372.8
95°	0.0	87.7	235.7	323.5	339.9
97.5°	0.0	82.2	219.3	290.6	312.5
100°	0.0	76.8	197.4	263.2	285.1
102.5°	0.0	65.8	175.4	235.7	257.7
105°	0.0	65.8	153.5	219.3	235.7
107.5°	5.5	60.3	142.5	197.4	219.3
110°	5.5	60.3	126.1	186.4	202.9
112.5°	5.5	60.3	120.6	170.0	191.9
115°	5.5	54.8	115.1	159.0	170.0
117.5°	5.5	54.8	109.6	142.5	153.5
120°	5.5	49.3	104.2	131.6	137.1
122.5°	5.5	49.3	98.7	120.6	126.1
125°	5.5	49.3	98.7	115.1	120.6
127.5°	5.5	43.9	93.2	109.6	109.6
130°	5.5	43.9	87.7	104.2	104.2
132.5°	5.5	38.4	82.2	98.7	104.2
135°	5.5	38.4	76.8	93.2	98.7
137.5°	5.5	32.9	71.3	87.7	93.2
140°	5.5	32.9	65.8	82.2	87.7
142.5°	5.5	27.4	60.3	76.8	82.2
145°	5.5	27.4	54.8	71.3	76.8
147.5°	5.5	27.4	49.3	65.8	71.3
150°	5.5	21.9	43.9	60.3	65.8
152.5°	5.5	21.9	38.4	54.8	60.3
155°	5.5	16.4	32.9	49.3	54.8
157.5°	5.5	16.4	32.9	43.9	49.3
160°	11.0	16.4	27.4	38.4	43.9
162.5°	5.5	11.0	27.4	32.9	38.4
165°	11.0	11.0	21.9	27.4	32.9
167.5°	11.0	11.0	16.4	21.9	27.4
170°	11.0	11.0	16.4	16.4	21.9
172.5°	11.0	11.0	11.0	16.4	11.0
175°	11.0	11.0	11.0	11.0	5.5
177.5°	11.0	11.0	11.0	11.0	5.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	11.0	11.0	11.0	11.0	11.0

(END OF REPORT)