

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: P567279

Luminaire Tested: **8SNX-120SL-LW-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567279
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-LW-UNV-L935-CD
Description: 8FT 12000 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

Summary

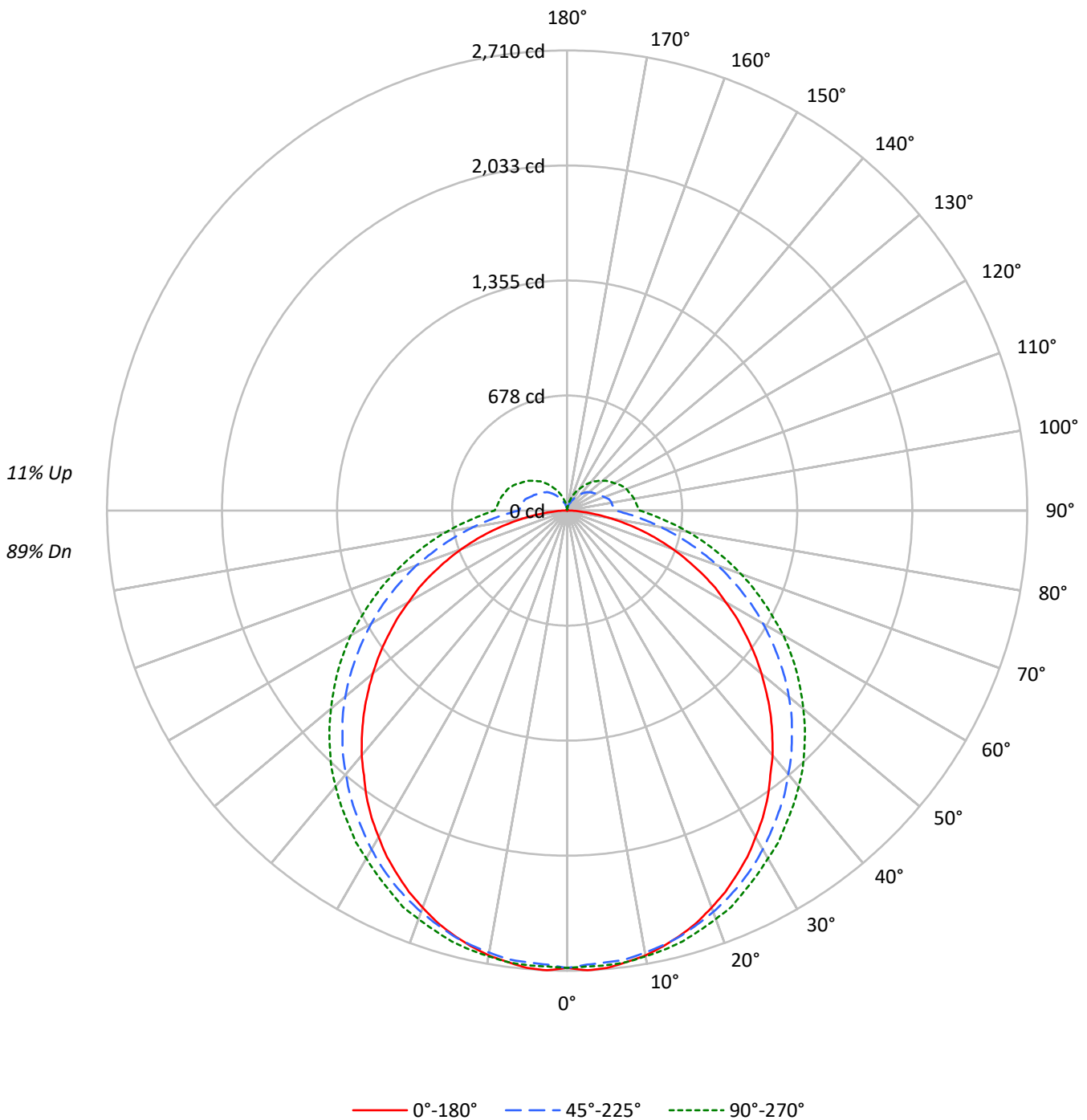
Lumens per Lamp: N/A
Luminaire Lumens: 9587.0 lumens
Efficiency: N/A
Efficacy: 114.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Semi-Direct

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°	14494	14494	14494
5°	14582	13840	13719
10°	14482	13304	13033
15°	14337	12783	12416
20°	14140	12240	11798
25°	13911	11719	11193
30°	13638	11182	10614
35°	13340	10642	10073
40°	12997	10113	9556
45°	12627	9583	9027
50°	12203	9037	8472
55°	11738	8426	7927
60°	11191	7787	7350
65°	10627	7097	6694
70°	9835	6359	6048
75°	8785	5497	5362
80°	7079	4626	4679
85°	4982	3817	3978



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	255.8	2.7
10°-20°	735.2	7.7
20°-30°	1117.9	11.7
30°-40°	1357.0	14.2
40°-50°	1434.0	15.0
50°-60°	1341.9	14.0
60°-70°	1101.0	11.5
70°-80°	757.3	7.9
80°-90°	414.7	4.3
90°-100°	267.1	2.8
100°-110°	239.6	2.5
110°-120°	198.3	2.1
120°-130°	152.7	1.6
130°-140°	107.3	1.1
140°-150°	64.7	0.7
150°-160°	31.0	0.3
160°-170°	10.2	0.1
170°-180°	1.2	0.0
0°-30°	2108.9	22.0
0°-40°	3466.0	36.2
0°-60°	6241.8	65.1
0°-90°	8514.9	88.8
90°-120°	705.0	7.4
90°-150°	1029.8	10.7
90°-180°	1072.0	11.2
0°-180°	9587.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2693	2693	2693	2693	2693	
5°	2704	2699	2671	2693	2688	256
15°	2588	2599	2593	2626	2626	730
25°	2365	2393	2421	2471	2471	1090
35°	2060	2110	2171	2232	2249	1287
45°	1694	1771	1871	1954	1977	1305
55°	1288	1394	1521	1616	1649	1153
65°	872	988	1138	1244	1277	863
75°	455	578	744	861	900	479
85°	100	239	405	516	555	115
90°	0	133	283	389	428	7
95°	0	128	272	372	411	0
105°	0	106	255	350	383	4
115°	6	94	217	311	350	6
125°	6	78	183	266	300	5
135°	6	61	150	217	244	4
145°	6	44	106	167	183	4
155°	6	28	67	106	122	3
165°	6	17	33	50	61	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°	2693.0	2693.0	2693.0	2693.0	2693.0
2.5°	2709.7	2704.1	2676.4	2698.6	2687.5
5°	2704.1	2698.6	2670.8	2693.0	2687.5
7.5°	2681.9	2681.9	2665.2	2687.5	2681.9
10°	2659.7	2659.7	2643.0	2670.8	2665.2
12.5°	2626.4	2631.9	2620.8	2654.1	2648.6
15°	2587.5	2598.6	2593.1	2626.4	2626.4
17.5°	2543.1	2554.2	2554.2	2593.1	2593.1
20°	2487.6	2504.2	2515.3	2559.7	2559.7
22.5°	2432.0	2454.2	2470.9	2509.8	2526.4
25°	2365.4	2393.2	2420.9	2470.9	2470.9
27.5°	2298.8	2332.1	2365.4	2415.4	2420.9
30°	2221.0	2259.9	2304.3	2354.3	2365.4
32.5°	2143.3	2193.3	2237.7	2298.8	2315.4
35°	2060.0	2110.0	2171.1	2232.1	2248.8
37.5°	1965.6	2026.7	2104.4	2171.1	2187.7
40°	1882.3	1949.0	2026.7	2104.4	2121.1
42.5°	1787.9	1860.1	1954.5	2026.7	2054.5
45°	1693.5	1771.3	1871.2	1954.5	1976.7
47.5°	1593.6	1682.4	1793.5	1871.2	1899.0
50°	1493.6	1588.0	1704.6	1793.5	1815.7
52.5°	1393.7	1493.6	1615.8	1704.6	1732.4
55°	1288.2	1393.7	1521.4	1615.8	1649.1
57.5°	1188.3	1293.8	1427.0	1527.0	1560.3
60°	1077.2	1199.4	1332.6	1432.6	1471.4
62.5°	982.8	1093.9	1238.2	1338.2	1371.5
65°	871.8	988.4	1138.3	1243.8	1277.1
67.5°	766.3	888.4	1038.3	1149.4	1182.7
70°	660.8	782.9	943.9	1049.4	1088.3
72.5°	555.3	683.0	838.4	955.0	993.9
75°	455.3	577.5	744.0	860.7	899.5
77.5°	349.8	483.1	649.7	766.3	810.7
80°	255.4	394.2	560.8	677.4	721.8
82.5°	172.1	310.9	477.5	594.1	638.5
85°	99.9	238.8	405.3	516.4	555.3
87.5°	50.0	183.2	338.7	449.8	488.6
90°	0.0	133.3	283.2	388.7	427.6
92.5°	0.0	127.7	277.6	377.6	416.4
95°	0.0	127.7	272.1	372.0	410.9
97.5°	0.0	122.2	266.5	372.0	405.3
100°	0.0	116.6	266.5	366.5	399.8
102.5°	0.0	111.1	261.0	360.9	394.2
105°	0.0	105.5	255.4	349.8	383.1
107.5°	5.6	105.5	244.3	344.3	377.6
110°	5.6	99.9	233.2	338.7	372.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	5.6	94.4	222.1	327.6	360.9
115°	5.6	94.4	216.6	310.9	349.8
117.5°	5.6	88.8	205.4	299.8	338.7
120°	5.6	88.8	199.9	288.7	322.1
122.5°	5.6	83.3	188.8	277.6	310.9
125°	5.6	77.7	183.2	266.5	299.8
127.5°	5.6	72.2	177.7	255.4	288.7
130°	5.6	66.6	166.6	244.3	272.1
132.5°	5.6	66.6	161.0	227.7	261.0
135°	5.6	61.1	149.9	216.6	244.3
137.5°	5.6	55.5	138.8	205.4	233.2
140°	5.6	50.0	127.7	194.3	216.6
142.5°	5.6	50.0	116.6	177.7	199.9
145°	5.6	44.4	105.5	166.6	183.2
147.5°	5.6	38.9	94.4	149.9	166.6
150°	5.6	38.9	83.3	133.3	149.9
152.5°	5.6	33.3	72.2	122.2	138.8
155°	5.6	27.8	66.6	105.5	122.2
157.5°	5.6	27.8	55.5	88.8	105.5
160°	5.6	22.2	50.0	72.2	88.8
162.5°	5.6	22.2	44.4	61.1	77.7
165°	5.6	16.7	33.3	50.0	61.1
167.5°	5.6	16.7	27.8	38.9	50.0
170°	5.6	11.1	22.2	27.8	38.9
172.5°	5.6	11.1	16.7	16.7	16.7
175°	5.6	5.6	11.1	11.1	5.6
177.5°	5.6	5.6	5.6	5.6	5.6
180°	5.6	5.6	5.6	5.6	5.6

(END OF REPORT)