

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: P567281

Luminaire Tested: **8SNX-120SL-LW-UNV-L950-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567281  
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-L950-CD  
Description: 8FT 12000 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

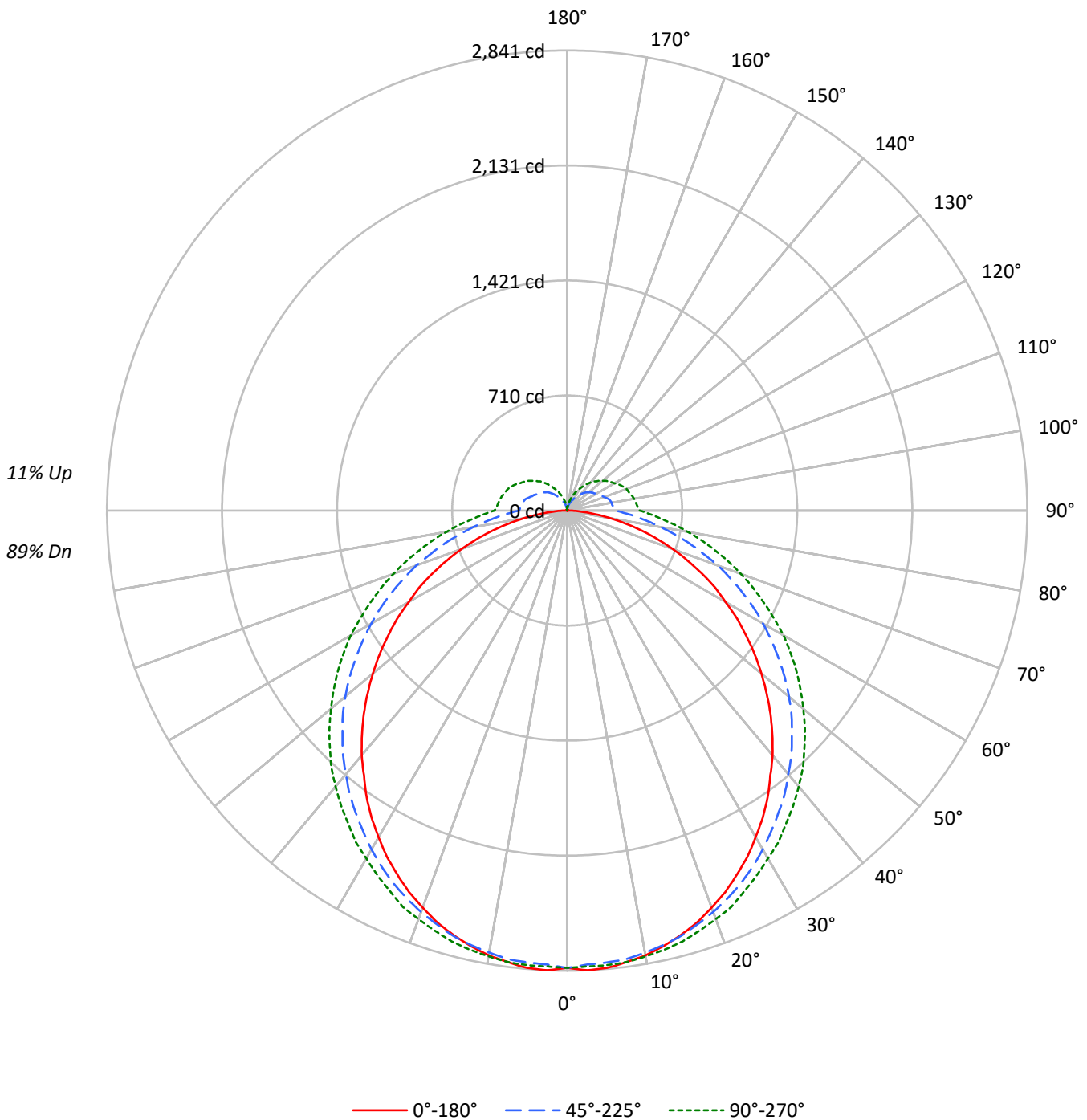
Lumens per Lamp: N/A  
Luminaire Lumens: 10051.0 lumens  
Efficiency: N/A  
Efficacy: 119.7 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')  
CIE Type: Semi-Direct

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	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°	15195	15195	15195
5°	15288	14510	14383
10°	15183	13948	13664
15°	15031	13402	13017
20°	14825	12833	12369
25°	14585	12287	11735
30°	14299	11723	11128
35°	13986	11157	10560
40°	13626	10603	10019
45°	13238	10047	9464
50°	12793	9475	8882
55°	12307	8833	8310
60°	11732	8164	7707
65°	11142	7441	7018
70°	10310	6667	6341
75°	9209	5764	5622
80°	7423	4851	4906
85°	5227	4003	4170



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	268.2	2.7
10°-20°	770.8	7.7
20°-30°	1172.0	11.7
30°-40°	1422.7	14.2
40°-50°	1503.4	15.0
50°-60°	1406.8	14.0
60°-70°	1154.3	11.5
70°-80°	793.9	7.9
80°-90°	434.8	4.3
90°-100°	280.0	2.8
100°-110°	251.2	2.5
110°-120°	208.0	2.1
120°-130°	160.1	1.6
130°-140°	112.5	1.1
140°-150°	67.8	0.7
150°-160°	32.5	0.3
160°-170°	10.7	0.1
170°-180°	1.3	0.0
0°-30°	2211.0	22.0
0°-40°	3633.7	36.2
0°-60°	6544.0	65.1
0°-90°	8927.0	88.8
90°-120°	739.2	7.4
90°-150°	1079.6	10.7
90°-180°	1124.0	11.2
0°-180°	10051.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2823	2823	2823	2823	2823	
5°	2835	2829	2800	2823	2818	269
15°	2713	2724	2719	2754	2754	765
25°	2480	2509	2538	2590	2590	1143
35°	2160	2212	2276	2340	2358	1349
45°	1776	1857	1962	2049	2072	1368
55°	1351	1461	1595	1694	1729	1209
65°	914	1036	1193	1304	1339	905
75°	477	605	780	902	943	503
85°	105	250	425	541	582	121
90°	0	140	297	408	448	7
95°	0	134	285	390	431	0
105°	0	111	268	367	402	4
115°	6	99	227	326	367	6
125°	6	82	192	279	314	5
135°	6	64	157	227	256	4
145°	6	47	111	175	192	4
155°	6	29	70	111	128	3
165°	6	18	35	52	64	2
175°	6	6	12	12	6	1
180°	6	6	6	6	6	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2823.3	2823.3	2823.3	2823.3	2823.3
2.5°	2840.8	2835.0	2805.9	2829.2	2817.5
5°	2835.0	2829.2	2800.1	2823.3	2817.5
7.5°	2811.7	2811.7	2794.2	2817.5	2811.7
10°	2788.4	2788.4	2771.0	2800.1	2794.2
12.5°	2753.5	2759.3	2747.7	2782.6	2776.8
15°	2712.7	2724.4	2718.6	2753.5	2753.5
17.5°	2666.2	2677.8	2677.8	2718.6	2718.6
20°	2608.0	2625.4	2637.1	2683.6	2683.6
22.5°	2549.7	2573.0	2590.5	2631.2	2648.7
25°	2479.9	2509.0	2538.1	2590.5	2590.5
27.5°	2410.0	2445.0	2479.9	2532.3	2538.1
30°	2328.5	2369.3	2415.9	2468.2	2479.9
32.5°	2247.0	2299.4	2346.0	2410.0	2427.5
35°	2159.7	2212.1	2276.1	2340.2	2357.6
37.5°	2060.8	2124.8	2206.3	2276.1	2293.6
40°	1973.4	2043.3	2124.8	2206.3	2223.8
42.5°	1874.5	1950.1	2049.1	2124.8	2153.9
45°	1775.5	1857.0	1961.8	2049.1	2072.4
47.5°	1670.7	1763.9	1880.3	1961.8	1990.9
50°	1565.9	1664.9	1787.2	1880.3	1903.6
52.5°	1461.2	1565.9	1694.0	1787.2	1816.3
55°	1350.6	1461.2	1595.0	1694.0	1728.9
57.5°	1245.8	1356.4	1496.1	1600.9	1635.8
60°	1129.3	1257.4	1397.1	1501.9	1542.7
62.5°	1030.4	1146.8	1298.2	1402.9	1437.9
65°	914.0	1036.2	1193.4	1304.0	1338.9
67.5°	803.3	931.4	1088.6	1205.0	1239.9
70°	692.7	820.8	989.6	1100.2	1141.0
72.5°	582.1	716.0	879.0	1001.3	1042.0
75°	477.3	605.4	780.1	902.3	943.1
77.5°	366.7	506.5	681.1	803.3	849.9
80°	267.8	413.3	588.0	710.2	756.8
82.5°	180.5	326.0	500.6	622.9	669.5
85°	104.8	250.3	425.0	541.4	582.1
87.5°	52.4	192.1	355.1	471.5	512.3
90°	0.0	139.7	296.9	407.5	448.2
92.5°	0.0	133.9	291.1	395.9	436.6
95°	0.0	133.9	285.2	390.0	430.8
97.5°	0.0	128.1	279.4	390.0	425.0
100°	0.0	122.2	279.4	384.2	419.1
102.5°	0.0	116.4	273.6	378.4	413.3
105°	0.0	110.6	267.8	366.7	401.7
107.5°	5.8	110.6	256.1	360.9	395.9
110°	5.8	104.8	244.5	355.1	390.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	5.8	99.0	232.9	343.5	378.4
115°	5.8	99.0	227.0	326.0	366.7
117.5°	5.8	93.1	215.4	314.4	355.1
120°	5.8	93.1	209.6	302.7	337.6
122.5°	5.8	87.3	197.9	291.1	326.0
125°	5.8	81.5	192.1	279.4	314.4
127.5°	5.8	75.7	186.3	267.8	302.7
130°	5.8	69.9	174.6	256.1	285.2
132.5°	5.8	69.9	168.8	238.7	273.6
135°	5.8	64.0	157.2	227.0	256.1
137.5°	5.8	58.2	145.5	215.4	244.5
140°	5.8	52.4	133.9	203.7	227.0
142.5°	5.8	52.4	122.2	186.3	209.6
145°	5.8	46.6	110.6	174.6	192.1
147.5°	5.8	40.7	99.0	157.2	174.6
150°	5.8	40.7	87.3	139.7	157.2
152.5°	5.8	34.9	75.7	128.1	145.5
155°	5.8	29.1	69.9	110.6	128.1
157.5°	5.8	29.1	58.2	93.1	110.6
160°	5.8	23.3	52.4	75.7	93.1
162.5°	5.8	23.3	46.6	64.0	81.5
165°	5.8	17.5	34.9	52.4	64.0
167.5°	5.8	17.5	29.1	40.7	52.4
170°	5.8	11.6	23.3	29.1	40.7
172.5°	5.8	11.6	17.5	17.5	17.5
175°	5.8	5.8	11.6	11.6	5.8
177.5°	5.8	5.8	5.8	5.8	5.8
180°	5.8	5.8	5.8	5.8	5.8

(END OF REPORT)