

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: P567255

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567255
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-15)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-120SL-FDL-UNV-L935-CD
Description: 8FT 12000 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

Summary

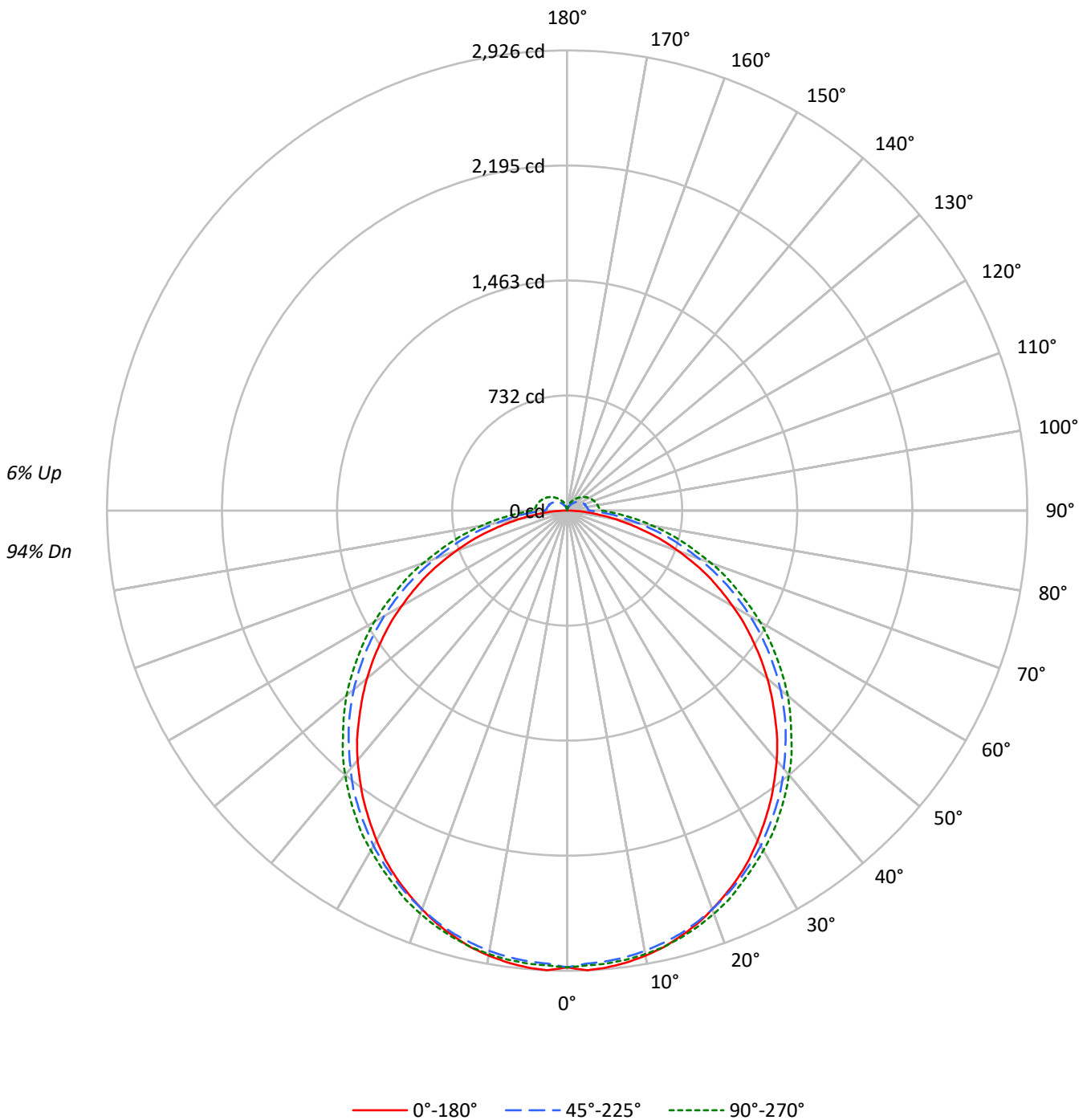
Lumens per Lamp: N/A
Luminaire Lumens: 9230.0 lumens
Efficiency: N/A
Efficacy: 109.9 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.04')
CIE Type: Direct

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	0
RCR																		
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	107	102	97	93	103	99	95	91	93	90	87	88	86	83	84	82	80	77
2	97	88	81	75	93	86	79	74	81	76	71	77	73	69	73	69	66	64
3	88	77	69	62	85	75	67	61	71	65	59	68	62	57	64	60	56	53
4	80	68	59	52	78	66	58	52	63	56	50	60	54	49	57	52	48	45
5	74	61	52	45	71	59	51	44	56	49	43	54	47	42	51	46	41	39
6	68	55	46	39	66	53	45	39	51	43	38	49	42	37	47	41	36	34
7	63	49	41	34	61	48	40	34	46	39	33	44	38	33	43	37	32	30
8	59	45	36	31	57	44	36	30	42	35	30	41	34	29	39	33	29	27
9	55	41	33	27	53	40	33	27	39	32	27	37	31	26	36	30	26	24
10	51	38	30	25	50	37	30	25	36	29	24	35	28	24	33	28	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	15632	15632	15632
5°	15746	15378	15396
10°	15689	15216	15203
15°	15579	15029	14986
20°	15427	14801	14731
25°	15250	14550	14428
30°	15008	14295	14149
35°	14766	13994	13857
40°	14497	13661	13530
45°	14159	13333	13148
50°	13832	12958	12799
55°	13427	12494	12314
60°	12973	11962	11837
65°	12495	11327	11179
70°	11665	10527	10497
75°	10668	9586	9680
80°	9203	8337	8776
85°	7431	7265	7714



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	275.5	3.0
10°-20°	790.4	8.6
20°-30°	1197.9	13.0
30°-40°	1446.0	15.7
40°-50°	1510.0	16.4
50°-60°	1387.3	15.0
60°-70°	1097.0	11.9
70°-80°	694.3	7.5
80°-90°	298.4	3.2
90°-100°	131.3	1.4
100°-110°	117.6	1.3
110°-120°	99.3	1.1
120°-130°	77.4	0.8
130°-140°	53.6	0.6
140°-150°	32.1	0.3
150°-160°	15.7	0.2
160°-170°	5.4	0.1
170°-180°	0.8	0.0
0°-30°	2263.7	24.5
0°-40°	3709.8	40.2
0°-60°	6607.0	71.6
0°-90°	8696.7	94.2
90°-120°	348.2	3.8
90°-150°	511.4	5.5
90°-180°	533.0	5.8
0°-180°	9230.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2904	2904	2904	2904	2904	
5°	2916	2908	2877	2901	2891	277
15°	2800	2800	2785	2815	2810	790
25°	2574	2586	2589	2623	2618	1186
35°	2256	2282	2311	2347	2355	1410
45°	1870	1916	1965	2002	2015	1444
55°	1442	1500	1563	1613	1625	1290
65°	992	1048	1121	1174	1192	977
75°	523	585	670	727	755	554
85°	128	196	281	342	363	141
90°	8	70	144	201	222	11
95°	2	60	131	183	203	1
105°	2	56	123	172	190	2
115°	2	47	111	155	172	2
125°	3	42	93	134	149	3
135°	3	33	75	106	119	3
145°	3	24	52	80	88	2
155°	3	16	34	51	60	2
165°	5	11	18	24	34	1
175°	5	6	8	8	5	0
180°	5	5	5	5	5	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2904.5	2904.5	2904.5	2904.5	2904.5
2.5°	2925.8	2915.9	2883.3	2906.1	2894.7
5°	2915.9	2907.8	2876.7	2901.2	2891.4
7.5°	2898.0	2891.4	2863.6	2889.8	2880.0
10°	2873.5	2868.5	2844.0	2870.2	2863.6
12.5°	2842.4	2840.8	2816.2	2845.7	2840.8
15°	2799.9	2799.9	2785.2	2814.6	2809.7
17.5°	2754.1	2755.8	2744.3	2775.4	2772.1
20°	2698.6	2706.7	2698.6	2731.3	2728.0
22.5°	2638.1	2649.5	2646.3	2678.9	2680.6
25°	2574.3	2585.8	2589.0	2623.4	2618.5
27.5°	2504.1	2522.0	2528.6	2559.6	2558.0
30°	2422.3	2446.8	2461.6	2487.7	2495.9
32.5°	2339.0	2368.4	2386.4	2422.3	2432.1
35°	2255.6	2281.8	2311.2	2347.1	2355.3
37.5°	2164.1	2193.5	2232.7	2267.1	2276.9
40°	2072.5	2105.2	2142.8	2180.4	2195.1
42.5°	1977.7	2012.1	2052.9	2097.1	2111.8
45°	1869.9	1915.6	1964.7	2002.3	2015.3
47.5°	1766.9	1817.6	1869.9	1910.7	1925.4
50°	1662.3	1716.2	1771.8	1809.4	1832.3
52.5°	1552.8	1611.6	1667.2	1714.6	1729.3
55°	1441.6	1500.5	1562.6	1613.3	1624.7
57.5°	1333.8	1391.0	1453.1	1500.5	1523.4
60°	1216.1	1278.2	1345.2	1392.6	1417.1
62.5°	1101.7	1162.1	1234.0	1284.7	1304.3
65°	992.1	1047.7	1121.3	1173.6	1191.6
67.5°	871.2	934.9	1005.2	1065.7	1088.6
70°	751.9	812.3	892.4	949.6	972.5
72.5°	640.7	699.6	779.7	836.9	858.1
75°	523.0	585.2	670.1	727.4	755.1
77.5°	410.3	478.9	560.6	622.7	653.8
80°	305.7	366.1	454.4	523.0	550.8
82.5°	207.6	273.0	364.5	428.2	459.3
85°	127.5	196.1	281.1	341.6	362.9
87.5°	60.5	125.9	204.3	263.2	289.3
90°	8.2	70.3	143.8	201.0	222.3
92.5°	1.6	60.5	132.4	186.3	205.9
95°	1.6	60.5	130.8	183.1	202.7
97.5°	1.6	58.8	129.1	181.4	199.4
100°	1.6	57.2	127.5	178.2	197.8
102.5°	1.6	57.2	124.2	174.9	192.9
105°	1.6	55.6	122.6	171.6	189.6
107.5°	1.6	53.9	119.3	168.4	186.3
110°	1.6	50.7	117.7	163.5	181.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.6	49.0	114.4	160.2	176.5
115°	1.6	47.4	111.1	155.3	171.6
117.5°	1.6	45.8	106.2	150.4	166.7
120°	3.3	45.8	103.0	145.5	160.2
122.5°	3.3	44.1	98.1	138.9	153.6
125°	3.3	42.5	93.2	134.0	148.7
127.5°	3.3	40.9	88.3	127.5	140.6
130°	3.3	37.6	85.0	121.0	134.0
132.5°	3.3	36.0	80.1	112.8	125.9
135°	3.3	32.7	75.2	106.2	119.3
137.5°	3.3	31.1	70.3	99.7	111.1
140°	3.3	29.4	63.7	93.2	104.6
142.5°	3.3	26.2	58.8	86.6	96.4
145°	3.3	24.5	52.3	80.1	88.3
147.5°	3.3	21.2	47.4	73.6	81.7
150°	3.3	19.6	42.5	67.0	75.2
152.5°	3.3	18.0	37.6	58.8	67.0
155°	3.3	16.3	34.3	50.7	60.5
157.5°	3.3	14.7	29.4	44.1	53.9
160°	4.9	13.1	26.2	37.6	45.8
162.5°	4.9	11.4	21.2	31.1	40.9
165°	4.9	11.4	18.0	24.5	34.3
167.5°	4.9	9.8	14.7	19.6	27.8
170°	4.9	8.2	13.1	14.7	21.2
172.5°	4.9	6.5	9.8	9.8	11.4
175°	4.9	6.5	8.2	8.2	4.9
177.5°	4.9	4.9	4.9	4.9	3.3
180°	4.9	4.9	4.9	4.9	4.9

(END OF REPORT)