

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: P567283

Luminaire Tested: **8SNX-120SL-SLW-UNV-L835-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567283  
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-L835-CD  
Description: 8FT 12000 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND SLW LENS  
Light Source: -  
Ballast/Driver: -

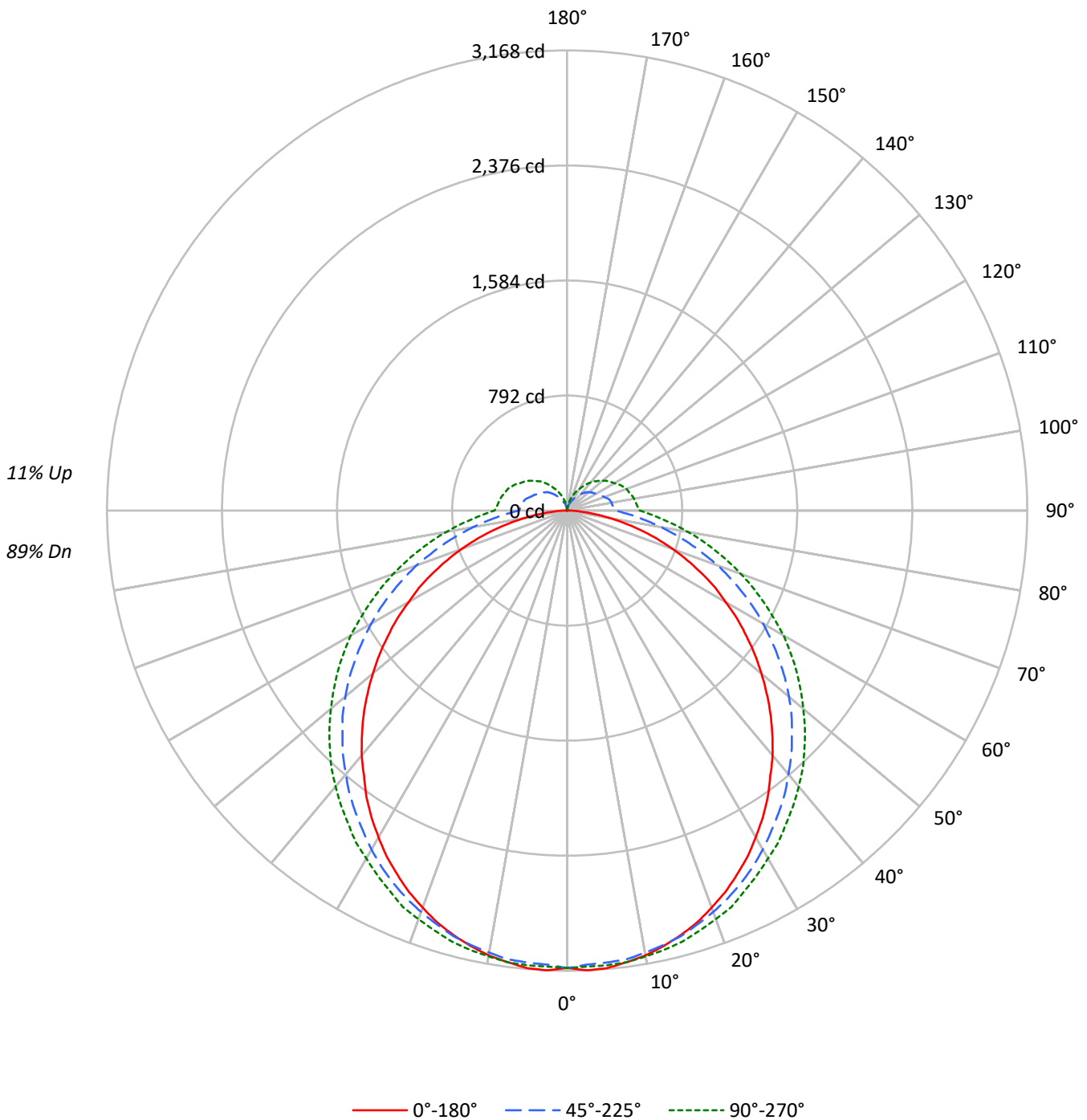
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11209.0 lumens  
Efficiency: N/A  
Efficacy: 133.4 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°	16946	16946	16946
5°	17065	16521	16496
10°	16963	16196	16088
15°	16810	15864	15712
20°	16595	15480	15293
25°	16344	15103	14856
30°	16042	14690	14422
35°	15710	14260	14017
40°	15329	13837	13627
45°	14916	13406	13207
50°	14444	12951	12736
55°	13927	12403	12273
60°	13318	11816	11757
65°	12697	11157	11107
70°	11821	10429	10471
75°	10656	9503	9767
80°	8740	8564	9074
85°	6453	7768	8361



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	299.1	2.7
10°-20°	859.6	7.7
20°-30°	1307.1	11.7
30°-40°	1586.6	14.2
40°-50°	1676.6	15.0
50°-60°	1568.9	14.0
60°-70°	1287.3	11.5
70°-80°	885.4	7.9
80°-90°	484.9	4.3
90°-100°	312.2	2.8
100°-110°	280.2	2.5
110°-120°	231.9	2.1
120°-130°	178.6	1.6
130°-140°	125.5	1.1
140°-150°	75.6	0.7
150°-160°	36.2	0.3
160°-170°	11.9	0.1
170°-180°	1.4	0.0
0°-30°	2465.7	22.0
0°-40°	4052.4	36.2
0°-60°	7297.9	65.1
0°-90°	9955.5	88.8
90°-120°	824.3	7.4
90°-150°	1204.0	10.7
90°-180°	1254.0	11.2
0°-180°	11209.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3149	3149	3149	3149	3149	
5°	3162	3155	3123	3149	3142	300
15°	3025	3038	3032	3071	3071	853
25°	2766	2798	2830	2889	2889	1274
35°	2408	2467	2538	2610	2629	1505
45°	1980	2071	2188	2285	2311	1526
55°	1506	1630	1779	1889	1928	1348
65°	1019	1156	1331	1454	1493	1009
75°	532	675	870	1006	1052	560
85°	117	279	474	604	649	135
90°	0	156	331	454	500	8
95°	0	149	318	435	480	0
105°	0	123	299	409	448	4
115°	6	110	253	364	409	6
125°	6	91	214	312	351	6
135°	6	71	175	253	286	5
145°	6	52	123	195	214	4
155°	6	32	78	123	143	3
165°	6	20	39	58	71	2
175°	6	6	13	13	6	1
180°	6	6	6	6	6	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3148.6	3148.6	3148.6	3148.6	3148.6
2.5°	3168.1	3161.6	3129.2	3155.1	3142.1
5°	3161.6	3155.1	3122.7	3148.6	3142.1
7.5°	3135.7	3135.7	3116.2	3142.1	3135.7
10°	3109.7	3109.7	3090.2	3122.7	3116.2
12.5°	3070.7	3077.2	3064.2	3103.2	3096.7
15°	3025.3	3038.3	3031.8	3070.7	3070.7
17.5°	2973.3	2986.3	2986.3	3031.8	3031.8
20°	2908.4	2927.9	2940.9	2992.8	2992.8
22.5°	2843.5	2869.5	2889.0	2934.4	2953.9
25°	2765.6	2798.1	2830.5	2889.0	2889.0
27.5°	2687.7	2726.7	2765.6	2824.0	2830.5
30°	2596.8	2642.3	2694.2	2752.6	2765.6
32.5°	2505.9	2564.4	2616.3	2687.7	2707.2
35°	2408.5	2467.0	2538.4	2609.8	2629.3
37.5°	2298.2	2369.6	2460.5	2538.4	2557.9
40°	2200.8	2278.7	2369.6	2460.5	2480.0
42.5°	2090.4	2174.8	2285.2	2369.6	2402.1
45°	1980.1	2071.0	2187.8	2285.2	2311.2
47.5°	1863.2	1967.1	2096.9	2187.8	2220.3
50°	1746.4	1856.7	1993.1	2096.9	2122.9
52.5°	1629.5	1746.4	1889.2	1993.1	2025.5
55°	1506.2	1629.5	1778.8	1889.2	1928.1
57.5°	1389.3	1512.6	1668.5	1785.3	1824.3
60°	1259.5	1402.3	1558.1	1674.9	1720.4
62.5°	1149.1	1278.9	1447.7	1564.6	1603.5
65°	1019.2	1155.6	1330.9	1454.2	1493.2
67.5°	895.9	1038.7	1214.0	1343.9	1382.8
70°	772.6	915.4	1103.6	1227.0	1272.4
72.5°	649.2	798.5	980.3	1116.6	1162.1
75°	532.3	675.2	869.9	1006.3	1051.7
77.5°	409.0	564.8	759.6	895.9	947.8
80°	298.6	460.9	655.7	792.0	844.0
82.5°	201.3	363.6	558.3	694.6	746.6
85°	116.9	279.2	473.9	603.8	649.2
87.5°	58.4	214.2	396.0	525.9	571.3
90°	0.0	155.8	331.1	454.4	499.9
92.5°	0.0	149.3	324.6	441.5	486.9
95°	0.0	149.3	318.1	435.0	480.4
97.5°	0.0	142.8	311.6	435.0	473.9
100°	0.0	136.3	311.6	428.5	467.4
102.5°	0.0	129.8	305.1	422.0	460.9
105°	0.0	123.3	298.6	409.0	448.0
107.5°	6.5	123.3	285.6	402.5	441.5
110°	6.5	116.9	272.7	396.0	435.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	6.5	110.4	259.7	383.0	422.0
115°	6.5	110.4	253.2	363.6	409.0
117.5°	6.5	103.9	240.2	350.6	396.0
120°	6.5	103.9	233.7	337.6	376.5
122.5°	6.5	97.4	220.7	324.6	363.6
125°	6.5	90.9	214.2	311.6	350.6
127.5°	6.5	84.4	207.7	298.6	337.6
130°	6.5	77.9	194.8	285.6	318.1
132.5°	6.5	77.9	188.3	266.2	305.1
135°	6.5	71.4	175.3	253.2	285.6
137.5°	6.5	64.9	162.3	240.2	272.7
140°	6.5	58.4	149.3	227.2	253.2
142.5°	6.5	58.4	136.3	207.7	233.7
145°	6.5	51.9	123.3	194.8	214.2
147.5°	6.5	45.4	110.4	175.3	194.8
150°	6.5	45.4	97.4	155.8	175.3
152.5°	6.5	39.0	84.4	142.8	162.3
155°	6.5	32.5	77.9	123.3	142.8
157.5°	6.5	32.5	64.9	103.9	123.3
160°	6.5	26.0	58.4	84.4	103.9
162.5°	6.5	26.0	51.9	71.4	90.9
165°	6.5	19.5	39.0	58.4	71.4
167.5°	6.5	19.5	32.5	45.4	58.4
170°	6.5	13.0	26.0	32.5	45.4
172.5°	6.5	13.0	19.5	19.5	19.5
175°	6.5	6.5	13.0	13.0	6.5
177.5°	6.5	6.5	6.5	6.5	6.5
180°	6.5	6.5	6.5	6.5	6.5

(END OF REPORT)