

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: P567278

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

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567278  
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-L930-CD  
Description: 8FT 12000 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

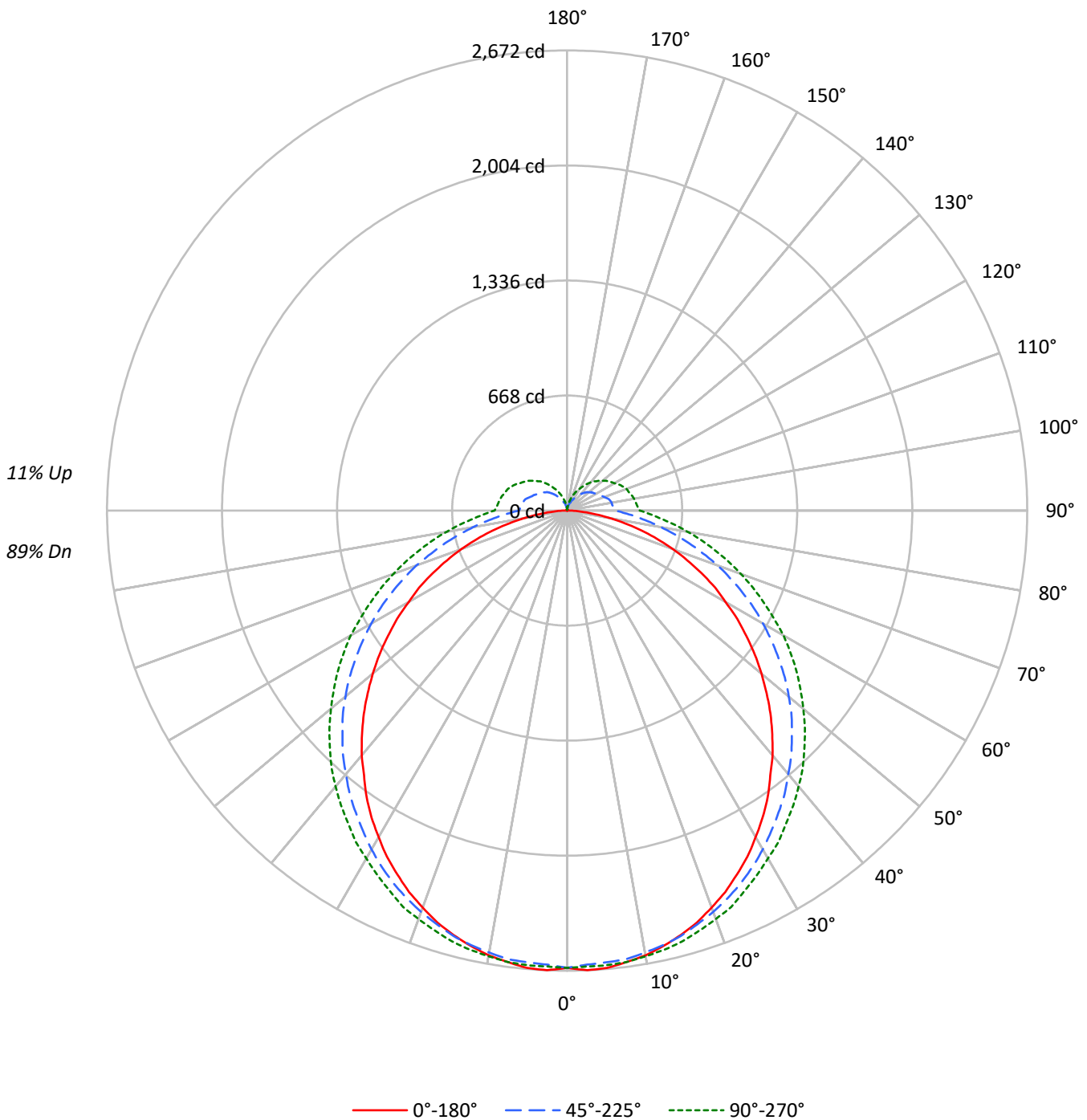
Lumens per Lamp: N/A  
Luminaire Lumens: 9452.0 lumens  
Efficiency: N/A  
Efficacy: 112.5 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')  
CIE Type: Semi-Direct

Input Watts (W): 84  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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°	14290	14290	14290
5°	14377	13646	13526
10°	14278	13116	12850
15°	14135	12603	12241
20°	13941	12068	11632
25°	13716	11554	11036
30°	13447	11025	10465
35°	13152	10492	9931
40°	12814	9971	9422
45°	12449	9449	8900
50°	12031	8910	8352
55°	11573	8307	7815
60°	11033	7678	7247
65°	10477	6997	6599
70°	9697	6270	5963
75°	8661	5420	5287
80°	6979	4561	4614
85°	4913	3763	3921



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	252.2	2.7
10°-20°	724.9	7.7
20°-30°	1102.2	11.7
30°-40°	1337.9	14.2
40°-50°	1413.8	15.0
50°-60°	1323.0	14.0
60°-70°	1085.5	11.5
70°-80°	746.6	7.9
80°-90°	408.9	4.3
90°-100°	263.3	2.8
100°-110°	236.3	2.5
110°-120°	195.6	2.1
120°-130°	150.6	1.6
130°-140°	105.8	1.1
140°-150°	63.8	0.7
150°-160°	30.5	0.3
160°-170°	10.0	0.1
170°-180°	1.2	0.0
0°-30°	2079.2	22.0
0°-40°	3417.2	36.2
0°-60°	6153.9	65.1
0°-90°	8395.0	88.8
90°-120°	695.1	7.4
90°-150°	1015.3	10.7
90°-180°	1057.0	11.2
0°-180°	9452.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2655	2655	2655	2655	2655	
5°	2666	2661	2633	2655	2650	253
15°	2551	2562	2556	2589	2589	719
25°	2332	2360	2387	2436	2436	1075
35°	2031	2080	2140	2201	2217	1269
45°	1670	1746	1845	1927	1949	1287
55°	1270	1374	1500	1593	1626	1137
65°	860	974	1122	1226	1259	851
75°	449	569	734	848	887	473
85°	98	235	400	509	547	114
90°	0	131	279	383	422	7
95°	0	126	268	367	405	0
105°	0	104	252	345	378	4
115°	6	93	214	307	345	5
125°	6	77	181	263	296	5
135°	6	60	148	214	241	4
145°	6	44	104	164	181	3
155°	6	27	66	104	120	3
165°	6	16	33	49	60	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°	2655.1	2655.1	2655.1	2655.1	2655.1
2.5°	2671.5	2666.0	2638.7	2660.6	2649.6
5°	2666.0	2660.6	2633.2	2655.1	2649.6
7.5°	2644.1	2644.1	2627.7	2649.6	2644.1
10°	2622.2	2622.2	2605.8	2633.2	2627.7
12.5°	2589.4	2594.9	2583.9	2616.8	2611.3
15°	2551.1	2562.0	2556.5	2589.4	2589.4
17.5°	2507.3	2518.2	2518.2	2556.5	2556.5
20°	2452.5	2469.0	2479.9	2523.7	2523.7
22.5°	2397.8	2419.7	2436.1	2474.4	2490.9
25°	2332.1	2359.5	2386.8	2436.1	2436.1
27.5°	2266.4	2299.3	2332.1	2381.4	2386.8
30°	2189.8	2228.1	2271.9	2321.1	2332.1
32.5°	2113.1	2162.4	2206.2	2266.4	2282.8
35°	2031.0	2080.3	2140.5	2200.7	2217.1
37.5°	1937.9	1998.2	2074.8	2140.5	2156.9
40°	1855.8	1921.5	1998.2	2074.8	2091.2
42.5°	1762.8	1833.9	1927.0	1998.2	2025.5
45°	1669.7	1746.3	1844.9	1927.0	1948.9
47.5°	1571.2	1658.7	1768.2	1844.9	1872.2
50°	1472.6	1565.7	1680.6	1768.2	1790.1
52.5°	1374.1	1472.6	1593.1	1680.6	1708.0
55°	1270.1	1374.1	1500.0	1593.1	1625.9
57.5°	1171.5	1275.5	1406.9	1505.5	1538.3
60°	1062.0	1182.5	1313.9	1412.4	1450.7
62.5°	969.0	1078.5	1220.8	1319.3	1352.2
65°	859.5	974.4	1122.3	1226.3	1259.1
67.5°	755.5	875.9	1023.7	1133.2	1166.0
70°	651.5	771.9	930.6	1034.7	1073.0
72.5°	547.4	673.4	826.6	941.6	979.9
75°	448.9	569.3	733.6	848.5	886.9
77.5°	344.9	476.3	640.5	755.5	799.3
80°	251.8	388.7	552.9	667.9	711.7
82.5°	169.7	306.6	470.8	585.8	629.6
85°	98.5	235.4	399.6	509.1	547.4
87.5°	49.3	180.7	333.9	443.4	481.7
90°	0.0	131.4	279.2	383.2	421.5
92.5°	0.0	125.9	273.7	372.3	410.6
95°	0.0	125.9	268.2	366.8	405.1
97.5°	0.0	120.4	262.8	366.8	399.6
100°	0.0	115.0	262.8	361.3	394.2
102.5°	0.0	109.5	257.3	355.8	388.7
105°	0.0	104.0	251.8	344.9	377.7
107.5°	5.5	104.0	240.9	339.4	372.3
110°	5.5	98.5	229.9	333.9	366.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	5.5	93.1	219.0	323.0	355.8
115°	5.5	93.1	213.5	306.6	344.9
117.5°	5.5	87.6	202.6	295.6	333.9
120°	5.5	87.6	197.1	284.7	317.5
122.5°	5.5	82.1	186.1	273.7	306.6
125°	5.5	76.6	180.7	262.8	295.6
127.5°	5.5	71.2	175.2	251.8	284.7
130°	5.5	65.7	164.2	240.9	268.2
132.5°	5.5	65.7	158.8	224.5	257.3
135°	5.5	60.2	147.8	213.5	240.9
137.5°	5.5	54.7	136.9	202.6	229.9
140°	5.5	49.3	125.9	191.6	213.5
142.5°	5.5	49.3	115.0	175.2	197.1
145°	5.5	43.8	104.0	164.2	180.7
147.5°	5.5	38.3	93.1	147.8	164.2
150°	5.5	38.3	82.1	131.4	147.8
152.5°	5.5	32.8	71.2	120.4	136.9
155°	5.5	27.4	65.7	104.0	120.4
157.5°	5.5	27.4	54.7	87.6	104.0
160°	5.5	21.9	49.3	71.2	87.6
162.5°	5.5	21.9	43.8	60.2	76.6
165°	5.5	16.4	32.8	49.3	60.2
167.5°	5.5	16.4	27.4	38.3	49.3
170°	5.5	10.9	21.9	27.4	38.3
172.5°	5.5	10.9	16.4	16.4	16.4
175°	5.5	5.5	10.9	10.9	5.5
177.5°	5.5	5.5	5.5	5.5	5.5
180°	5.5	5.5	5.5	5.5	5.5

(END OF REPORT)