

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: P567274

Luminaire Tested: **8SNX-120SL-LW-UNV-L830-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567274  
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-L830-CD  
Description: 8FT 12000 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND LW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

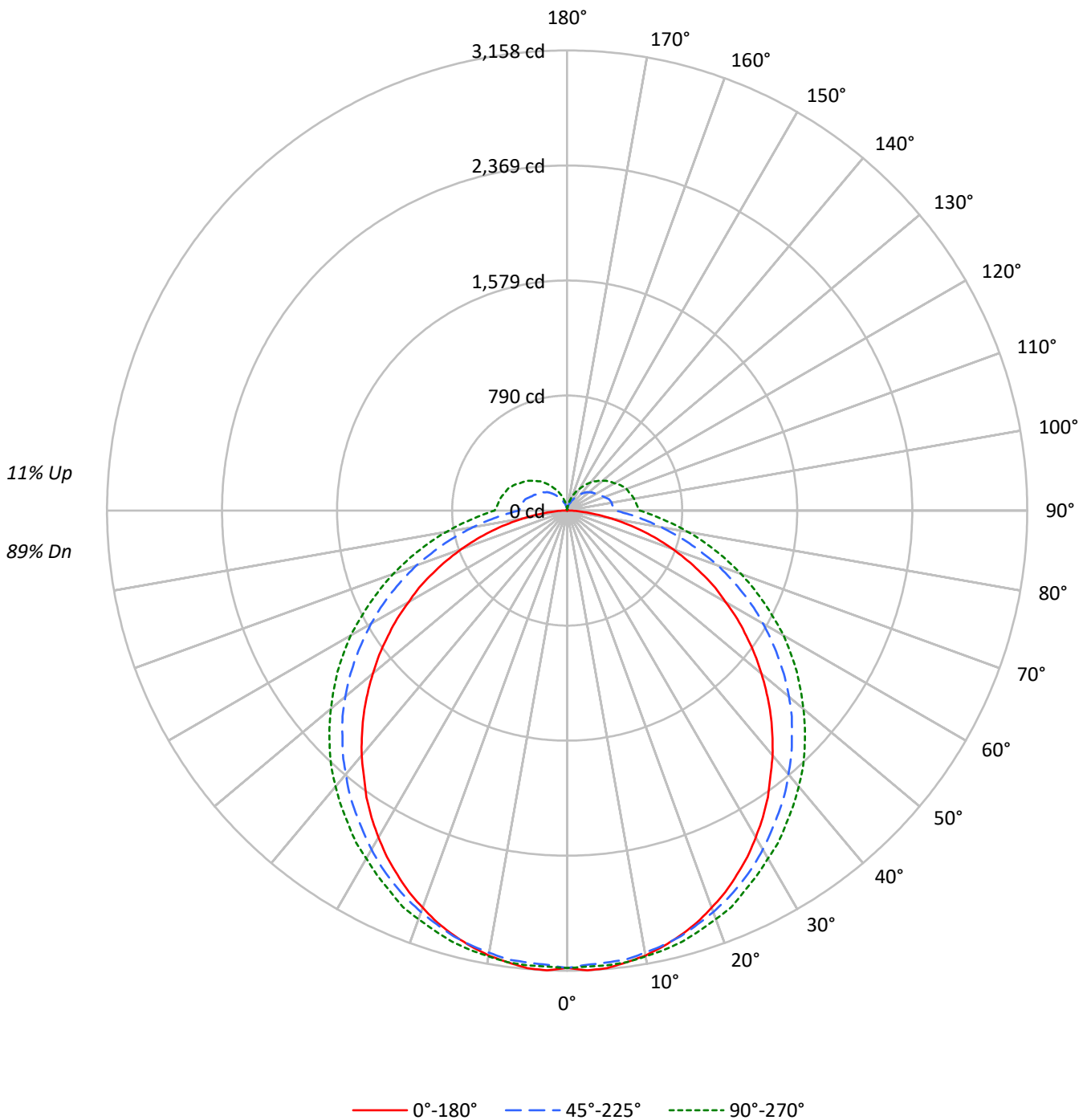
Lumens per Lamp: N/A  
Luminaire Lumens: 11175.1 lumens  
Efficiency: N/A  
Efficacy: 133.0 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')  
CIE Type: Semi-Direct

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	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°	16895	16895	16895
5°	16998	16133	15991
10°	16881	15507	15192
15°	16712	14900	14472
20°	16482	14268	13752
25°	16216	13661	13047
30°	15898	13034	12372
35°	15549	12405	11741
40°	15150	11789	11139
45°	14719	11171	10523
50°	14225	10534	9875
55°	13683	9821	9240
60°	13044	9077	8568
65°	12388	8272	7802
70°	11464	7413	7050
75°	10239	6408	6251
80°	8252	5393	5455
85°	5810	4450	4636



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	298.2	2.7
10°-20°	857.0	7.7
20°-30°	1303.1	11.7
30°-40°	1581.8	14.2
40°-50°	1671.5	15.0
50°-60°	1564.2	14.0
60°-70°	1283.4	11.5
70°-80°	882.7	7.9
80°-90°	483.4	4.3
90°-100°	311.3	2.8
100°-110°	279.3	2.5
110°-120°	231.2	2.1
120°-130°	178.0	1.6
130°-140°	125.1	1.1
140°-150°	75.4	0.7
150°-160°	36.1	0.3
160°-170°	11.9	0.1
170°-180°	1.4	0.0
0°-30°	2458.3	22.0
0°-40°	4040.1	36.2
0°-60°	7275.8	65.1
0°-90°	9925.3	88.8
90°-120°	821.8	7.4
90°-150°	1200.4	10.7
90°-180°	1250.0	11.2
0°-180°	11175.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3139	3139	3139	3139	3139	
5°	3152	3146	3113	3139	3133	299
15°	3016	3029	3023	3061	3061	850
25°	2757	2790	2822	2880	2880	1271
35°	2401	2460	2531	2602	2621	1500
45°	1974	2065	2181	2278	2304	1522
55°	1502	1625	1773	1884	1922	1344
65°	1016	1152	1327	1450	1489	1006
75°	531	673	867	1003	1048	559
85°	116	278	472	602	647	135
90°	0	155	330	453	498	8
95°	0	149	317	434	479	0
105°	0	123	298	408	447	4
115°	6	110	252	362	408	6
125°	6	91	214	311	350	6
135°	6	71	175	252	285	5
145°	6	52	123	194	214	4
155°	6	32	78	123	142	3
165°	6	19	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°	3139.1	3139.1	3139.1	3139.1	3139.1
2.5°	3158.5	3152.0	3119.7	3145.6	3132.6
5°	3152.0	3145.6	3113.2	3139.1	3132.6
7.5°	3126.1	3126.1	3106.7	3132.6	3126.1
10°	3100.2	3100.2	3080.8	3113.2	3106.7
12.5°	3061.4	3067.9	3054.9	3093.8	3087.3
15°	3016.1	3029.1	3022.6	3061.4	3061.4
17.5°	2964.3	2977.3	2977.3	3022.6	3022.6
20°	2899.6	2919.0	2932.0	2983.7	2983.7
22.5°	2834.9	2860.8	2880.2	2925.5	2944.9
25°	2757.2	2789.6	2821.9	2880.2	2880.2
27.5°	2679.5	2718.4	2757.2	2815.5	2821.9
30°	2588.9	2634.2	2686.0	2744.3	2757.2
32.5°	2498.3	2556.6	2608.4	2679.5	2699.0
35°	2401.2	2459.5	2530.7	2601.9	2621.3
37.5°	2291.2	2362.4	2453.0	2530.7	2550.1
40°	2194.1	2271.8	2362.4	2453.0	2472.4
42.5°	2084.1	2168.2	2278.3	2362.4	2394.8
45°	1974.1	2064.7	2181.2	2278.3	2304.2
47.5°	1857.6	1961.1	2090.6	2181.2	2213.5
50°	1741.1	1851.1	1987.0	2090.6	2116.5
52.5°	1624.6	1741.1	1883.5	1987.0	2019.4
55°	1501.6	1624.6	1773.4	1883.5	1922.3
57.5°	1385.1	1508.1	1663.4	1779.9	1818.7
60°	1255.6	1398.0	1553.4	1669.9	1715.2
62.5°	1145.6	1275.1	1443.3	1559.8	1598.7
65°	1016.2	1152.1	1326.8	1449.8	1488.6
67.5°	893.2	1035.6	1210.3	1339.8	1378.6
70°	770.2	912.6	1100.3	1223.3	1268.6
72.5°	647.2	796.1	977.3	1113.2	1158.5
75°	530.7	673.1	867.3	1003.2	1048.5
77.5°	407.8	563.1	757.3	893.2	945.0
80°	297.7	459.5	653.7	789.6	841.4
82.5°	200.6	362.5	556.6	692.5	744.3
85°	116.5	278.3	472.5	601.9	647.2
87.5°	58.3	213.6	394.8	524.3	569.6
90°	0.0	155.3	330.1	453.1	498.4
92.5°	0.0	148.9	323.6	440.1	485.4
95°	0.0	148.9	317.1	433.6	479.0
97.5°	0.0	142.4	310.7	433.6	472.5
100°	0.0	135.9	310.7	427.2	466.0
102.5°	0.0	129.4	304.2	420.7	459.5
105°	0.0	123.0	297.7	407.8	446.6
107.5°	6.5	123.0	284.8	401.3	440.1
110°	6.5	116.5	271.8	394.8	433.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	6.5	110.0	258.9	381.9	420.7
115°	6.5	110.0	252.4	362.5	407.8
117.5°	6.5	103.6	239.5	349.5	394.8
120°	6.5	103.6	233.0	336.6	375.4
122.5°	6.5	97.1	220.1	323.6	362.5
125°	6.5	90.6	213.6	310.7	349.5
127.5°	6.5	84.1	207.1	297.7	336.6
130°	6.5	77.7	194.2	284.8	317.1
132.5°	6.5	77.7	187.7	265.4	304.2
135°	6.5	71.2	174.8	252.4	284.8
137.5°	6.5	64.7	161.8	239.5	271.8
140°	6.5	58.3	148.9	226.5	252.4
142.5°	6.5	58.3	135.9	207.1	233.0
145°	6.5	51.8	123.0	194.2	213.6
147.5°	6.5	45.3	110.0	174.8	194.2
150°	6.5	45.3	97.1	155.3	174.8
152.5°	6.5	38.8	84.1	142.4	161.8
155°	6.5	32.4	77.7	123.0	142.4
157.5°	6.5	32.4	64.7	103.6	123.0
160°	6.5	25.9	58.3	84.1	103.6
162.5°	6.5	25.9	51.8	71.2	90.6
165°	6.5	19.4	38.8	58.3	71.2
167.5°	6.5	19.4	32.4	45.3	58.3
170°	6.5	12.9	25.9	32.4	45.3
172.5°	6.5	12.9	19.4	19.4	19.4
175°	6.5	6.5	12.9	12.9	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)