

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: P567842

Luminaire Tested: **8SNX-52SL-LN-UNV-L830-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567842  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SNX-52SL-LN-UNV-L830-CD  
Description: 8FT 5200 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND LN LENS  
Light Source: -  
Ballast/Driver: -

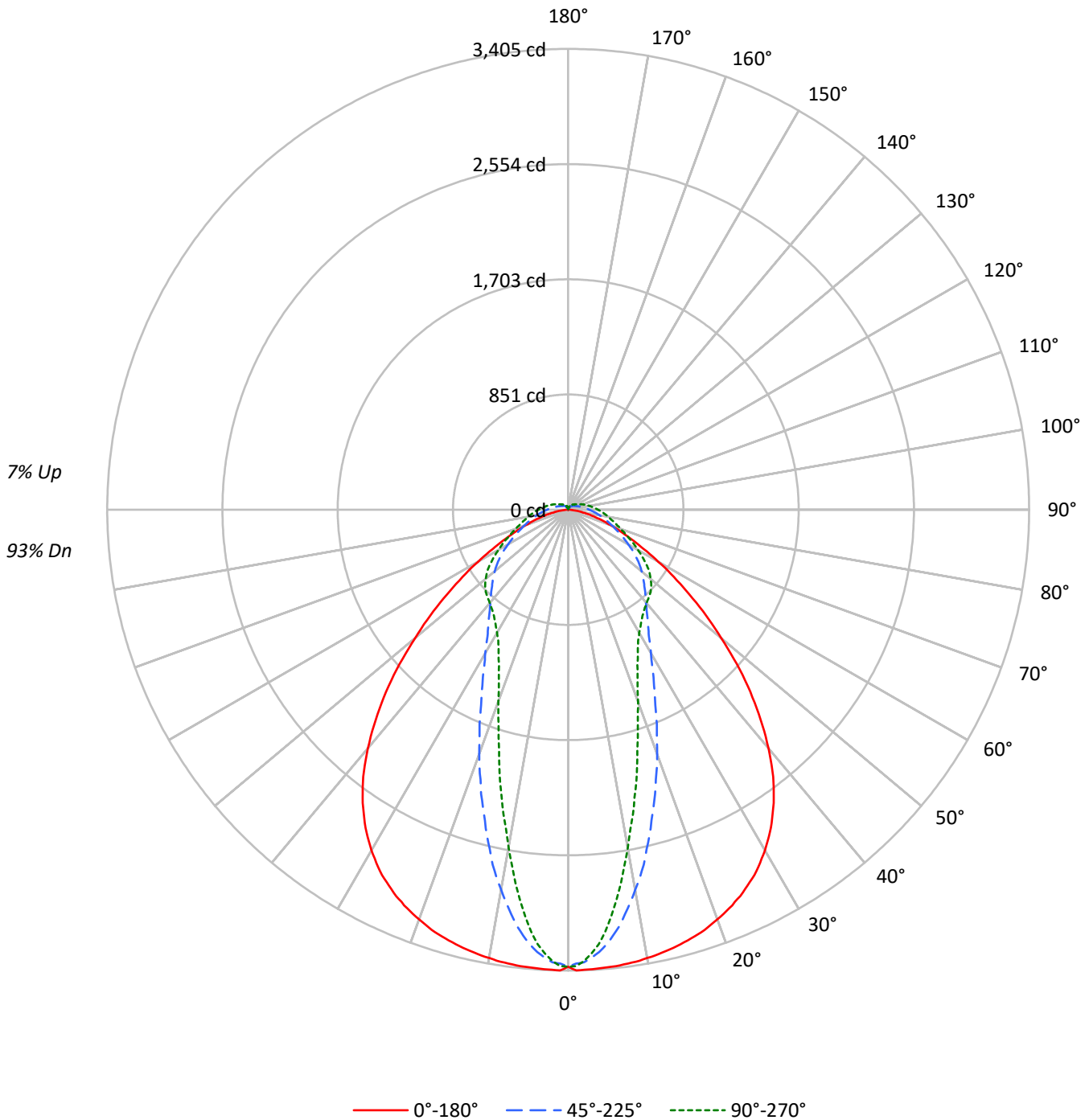
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5383.0 lumens  
Efficiency: N/A  
Efficacy: 164.1 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 32.8  
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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93				
1	107	103	99	95	104	100	96	93	94	91	88	89	87	85	85	83	81	78				
2	99	91	84	79	95	88	82	77	84	79	75	79	75	72	76	72	69	67				
3	91	81	73	67	88	79	72	66	75	69	64	71	66	62	68	64	60	58				
4	84	73	64	58	81	71	63	57	67	61	56	64	59	54	62	57	53	51				
5	78	66	57	51	75	64	56	51	61	55	49	59	53	48	56	51	47	45				
6	72	60	51	45	70	59	51	45	56	49	44	54	48	43	52	46	42	40				
7	67	55	47	41	65	54	46	41	52	45	40	50	44	39	48	42	38	36				
8	63	51	43	37	61	50	42	37	48	41	36	46	40	36	44	39	35	33				
9	59	47	39	34	58	46	39	34	44	38	33	43	37	33	41	36	32	30				
10	56	44	36	31	54	43	36	31	41	35	31	40	34	30	39	34	30	28				

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	18174	18174	18174
5°	18302	16725	15986
10°	18310	14357	12402
15°	18336	11724	9295
20°	18314	9349	6956
25°	18185	7334	5521
30°	17844	5941	4709
35°	17136	5033	4284
40°	15896	4449	4054
45°	14177	4075	3930
50°	12055	3754	3712
55°	9949	3406	3390
60°	8002	3000	2974
65°	6258	2639	2588
70°	4913	2338	2289
75°	3865	2105	2085
80°	2816	1932	1938
85°	1691	1806	1859



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	299.0	5.6
10°-20°	701.0	13.0
20°-30°	832.1	15.5
30°-40°	837.1	15.6
40°-50°	778.2	14.5
50°-60°	640.8	11.9
60°-70°	451.5	8.4
70°-80°	295.0	5.5
80°-90°	188.3	3.5
90°-100°	123.5	2.3
100°-110°	83.9	1.6
110°-120°	57.5	1.1
120°-130°	39.8	0.7
130°-140°	26.7	0.5
140°-150°	16.5	0.3
150°-160°	8.6	0.2
160°-170°	3.1	0.1
170°-180°	0.5	0.0
0°-30°	1832.1	34.0
0°-40°	2669.2	49.6
0°-60°	4088.2	75.9
0°-90°	5023.0	93.3
90°-120°	264.8	4.9
90°-150°	347.8	6.5
90°-180°	360.0	6.7
0°-180°	5383.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3377	3377	3377	3377	3377	
5°	3394	3349	3227	3165	3132	323
15°	3309	2957	2378	2079	1966	935
25°	3092	2285	1515	1272	1219	1423
35°	2646	1546	1027	962	956	1646
45°	1902	1018	796	838	860	1460
55°	1092	669	615	683	705	986
65°	513	403	423	477	494	521
75°	200	209	285	336	350	217
85°	34	96	192	248	260	43
90°	0	65	155	212	220	2
95°	0	48	130	178	186	0
105°	0	34	88	124	135	0
115°	3	28	62	90	96	2
125°	3	23	51	65	70	3
135°	3	20	40	51	54	2
145°	3	14	28	40	42	2
155°	3	11	20	28	31	1
165°	3	6	11	14	17	1
175°	6	6	6	6	3	0
180°	3	3	3	3	3	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3376.9	3376.9	3376.9	3376.9	3376.9
1°	3405.1	3391.0	3354.3	3379.7	3374.1
2°	3402.3	3388.2	3345.9	3357.2	3337.4
3°	3399.5	3379.7	3314.9	3312.0	3283.8
4°	3396.7	3365.6	3275.4	3241.5	3218.9
5°	3393.8	3348.7	3227.4	3165.3	3131.5
6°	3391.0	3329.0	3165.3	3072.2	3024.3
7°	3385.4	3297.9	3100.4	2973.5	2911.4
8°	3379.7	3269.7	3018.6	2866.3	2790.1
9°	3374.1	3233.0	2936.8	2750.6	2660.3
10°	3362.8	3196.4	2852.2	2632.1	2536.2
11°	3357.2	3154.0	2770.4	2519.3	2406.4
12°	3345.9	3108.9	2682.9	2400.8	2302.1
13°	3334.6	3060.9	2575.7	2299.2	2180.7
14°	3323.3	3010.2	2482.6	2186.4	2076.4
15°	3309.2	2956.6	2378.2	2079.2	1966.3
16°	3295.1	2894.5	2285.1	1969.2	1850.7
17°	3281.0	2835.3	2197.7	1867.6	1760.4
18°	3264.1	2776.0	2096.1	1768.9	1664.5
19°	3241.5	2708.3	2014.3	1678.6	1582.7
20°	3221.8	2646.2	1921.2	1594.0	1509.3
21°	3199.2	2570.1	1828.1	1515.0	1430.3
22.5°	3165.3	2462.9	1709.6	1416.2	1337.2
23°	3148.4	2431.8	1661.7	1379.5	1311.8
24°	3125.8	2350.0	1582.7	1323.1	1255.4
25°	3092.0	2285.1	1515.0	1272.3	1218.7
26°	3060.9	2206.1	1447.3	1227.2	1173.6
27°	3029.9	2130.0	1388.0	1179.2	1134.1
28°	2990.4	2051.0	1323.1	1139.7	1100.2
29°	2948.1	1977.6	1269.5	1105.9	1074.9
30°	2905.8	1895.8	1224.4	1074.9	1049.5
32.5°	2787.3	1715.3	1108.7	1015.6	998.7
35°	2646.2	1546.0	1026.9	962.0	956.4
37.5°	2488.3	1390.8	953.5	919.7	925.3
40°	2302.1	1249.8	891.5	888.7	899.9
42.5°	2104.6	1128.5	843.5	863.3	880.2
45°	1901.5	1018.4	795.6	837.9	860.5
47.5°	1689.9	922.5	753.2	806.8	832.2
50°	1475.5	829.4	708.1	770.2	795.6
52.5°	1283.6	747.6	663.0	727.9	756.1
55°	1091.8	668.6	615.0	682.7	705.3
57.5°	925.3	595.3	564.2	631.9	648.9
60°	770.2	524.7	513.4	575.5	595.3
62.5°	629.1	462.7	465.5	524.7	544.5
65°	513.4	403.4	423.2	476.8	493.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	417.5	347.0	380.9	437.3	451.4
70°	330.1	296.2	347.0	397.8	411.9
72.5°	262.4	251.1	313.1	366.7	378.0
75°	200.3	208.8	284.9	335.7	349.8
77.5°	143.9	174.9	256.7	310.3	321.6
80°	101.6	143.9	234.2	287.8	299.0
82.5°	64.9	118.5	211.6	268.0	279.3
85°	33.9	95.9	191.8	248.3	259.5
87.5°	14.1	79.0	172.1	228.5	239.8
90°	0.0	64.9	155.2	211.6	220.0
92.5°	0.0	56.4	141.1	194.7	203.1
95°	0.0	48.0	129.8	177.7	186.2
97.5°	0.0	45.1	115.7	163.6	172.1
100°	0.0	39.5	104.4	149.5	160.8
102.5°	0.0	36.7	95.9	135.4	146.7
105°	0.0	33.9	87.5	124.1	135.4
107.5°	0.0	31.0	81.8	115.7	124.1
110°	0.0	31.0	73.3	107.2	115.7
112.5°	2.8	28.2	67.7	95.9	104.4
115°	2.8	28.2	62.1	90.3	95.9
117.5°	2.8	28.2	59.2	81.8	87.5
120°	2.8	25.4	56.4	76.2	81.8
122.5°	2.8	25.4	53.6	70.5	73.3
125°	2.8	22.6	50.8	64.9	70.5
127.5°	2.8	22.6	48.0	62.1	64.9
130°	2.8	22.6	45.1	56.4	62.1
132.5°	2.8	19.7	42.3	53.6	56.4
135°	2.8	19.7	39.5	50.8	53.6
137.5°	2.8	16.9	36.7	48.0	50.8
140°	2.8	16.9	33.9	45.1	48.0
142.5°	2.8	14.1	31.0	42.3	45.1
145°	2.8	14.1	28.2	39.5	42.3
147.5°	2.8	14.1	25.4	36.7	39.5
150°	2.8	11.3	22.6	33.9	36.7
152.5°	2.8	11.3	19.7	31.0	33.9
155°	2.8	11.3	19.7	28.2	31.0
157.5°	2.8	8.5	16.9	22.6	28.2
160°	2.8	8.5	14.1	19.7	25.4
162.5°	2.8	8.5	14.1	16.9	19.7
165°	2.8	5.6	11.3	14.1	16.9
167.5°	2.8	5.6	8.5	11.3	14.1
170°	2.8	5.6	8.5	8.5	11.3
172.5°	2.8	5.6	5.6	5.6	5.6
175°	5.6	5.6	5.6	5.6	2.8
177.5°	5.6	5.6	5.6	2.8	2.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	2.8	2.8	2.8	2.8	2.8

(END OF REPORT)