

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: P568205

Luminaire Tested: **8SNX-SL3-LN-UNV-CC83-CD-5000K-LOW**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568205
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-SL3-LN-UNV-CC83-CD-5000K-LOW
Description: 8FT 12000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 5000K, 80CRI, LOW LUMEN SETTING, AND LN LENS
Light Source: -
Ballast/Driver: -

Summary

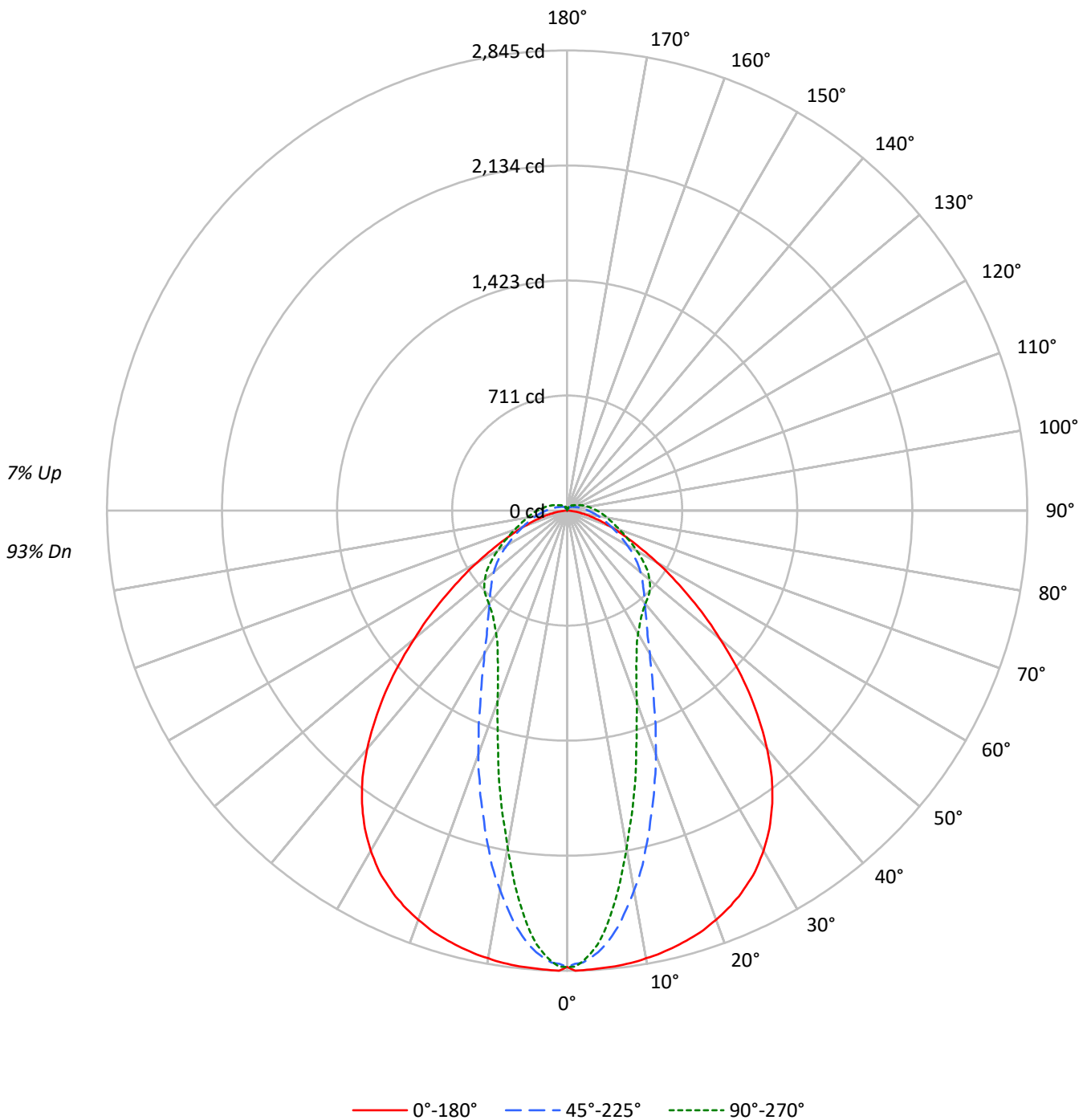
Lumens per Lamp: N/A
Luminaire Lumens: 4498.0 lumens
Efficiency: N/A
Efficacy: 133.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 33.726
Input Voltage (V): NR
Input Current (A_{in}): 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

TEST NUMBER: P568205

CATALOG NUMBER: 8SNX-SL3-LN-UNV-CC83-CD-5000K-LOW

Luminous Intensity Polar Plot





TEST NUMBER: P568205

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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°	15186	15186	15186
5°	15293	13975	13357
10°	15300	11996	10363
15°	15322	9796	7767
20°	15303	7812	5813
25°	15195	6128	4613
30°	14910	4965	3935
35°	14319	4206	3579
40°	13282	3717	3388
45°	11846	3405	3283
50°	10073	3137	3102
55°	8313	2846	2833
60°	6686	2507	2485
65°	5230	2205	2162
70°	4105	1954	1913
75°	3230	1759	1743
80°	2353	1614	1620
85°	1411	1510	1554



TEST NUMBER: P568205

CATALOG NUMBER: 8SNX-SL3-LN-UNV-CC83-CD-5000K-LOW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	249.9	5.6
10°-20°	585.7	13.0
20°-30°	695.3	15.5
30°-40°	699.5	15.6
40°-50°	650.2	14.5
50°-60°	535.4	11.9
60°-70°	377.3	8.4
70°-80°	246.5	5.5
80°-90°	157.4	3.5
90°-100°	103.2	2.3
100°-110°	70.1	1.6
110°-120°	48.0	1.1
120°-130°	33.2	0.7
130°-140°	22.4	0.5
140°-150°	13.8	0.3
150°-160°	7.2	0.2
160°-170°	2.6	0.1
170°-180°	0.4	0.0
0°-30°	1530.9	34.0
0°-40°	2230.4	49.6
0°-60°	3416.0	75.9
0°-90°	4197.2	93.3
90°-120°	221.3	4.9
90°-150°	290.7	6.5
90°-180°	301.0	6.7
0°-180°	4498.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2822	2822	2822	2822	2822	
5°	2836	2798	2697	2645	2617	270
15°	2765	2470	1987	1737	1643	781
25°	2584	1909	1266	1063	1018	1189
35°	2211	1292	858	804	799	1375
45°	1589	851	665	700	719	1220
55°	912	559	514	570	589	824
65°	429	337	354	398	412	435
75°	167	174	238	280	292	181
85°	28	80	160	207	217	36
90°	0	54	130	177	184	2
95°	0	40	108	148	156	0
105°	0	28	73	104	113	0
115°	2	24	52	75	80	2
125°	2	19	42	54	59	2
135°	2	16	33	42	45	2
145°	2	12	24	33	35	2
155°	2	9	16	24	26	1
165°	2	5	9	12	14	1
175°	5	5	5	5	2	0
180°	2	2	2	2	2	



TEST NUMBER: P568205

CATALOG NUMBER: 8SNX-SL3-LN-UNV-CC83-CD-5000K-LOW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2821.7	2821.7	2821.7	2821.7	2821.7
1°	2845.3	2833.5	2802.9	2824.1	2819.4
2°	2842.9	2831.2	2795.8	2805.2	2788.7
3°	2840.6	2824.1	2769.9	2767.5	2743.9
4°	2838.2	2812.3	2736.9	2708.6	2689.7
5°	2835.9	2798.2	2696.8	2644.9	2616.6
6°	2833.5	2781.7	2644.9	2567.1	2527.1
7°	2828.8	2755.7	2590.7	2484.6	2432.8
8°	2824.1	2732.2	2522.3	2395.1	2331.4
9°	2819.4	2701.5	2454.0	2298.4	2223.0
10°	2809.9	2670.9	2383.3	2199.4	2119.2
11°	2805.2	2635.5	2314.9	2105.1	2010.8
12°	2795.8	2597.8	2241.8	2006.1	1923.6
13°	2786.4	2557.7	2152.2	1921.2	1822.2
14°	2776.9	2515.3	2074.5	1826.9	1735.0
15°	2765.2	2470.5	1987.2	1737.4	1643.1
16°	2753.4	2418.6	1909.4	1645.4	1546.4
17°	2741.6	2369.1	1836.4	1560.6	1471.0
18°	2727.4	2319.6	1751.5	1478.0	1390.8
19°	2708.6	2263.0	1683.1	1402.6	1322.5
20°	2692.1	2211.2	1605.3	1331.9	1261.2
21°	2673.2	2147.5	1527.6	1265.9	1195.2
22.5°	2644.9	2058.0	1428.5	1183.4	1117.4
23°	2630.8	2032.0	1388.5	1152.7	1096.2
24°	2611.9	1963.7	1322.5	1105.6	1049.0
25°	2583.6	1909.4	1265.9	1063.2	1018.4
26°	2557.7	1843.4	1209.3	1025.4	980.7
27°	2531.8	1779.8	1159.8	985.4	947.6
28°	2498.8	1713.8	1105.6	952.4	919.4
29°	2463.4	1652.5	1060.8	924.1	898.1
30°	2428.1	1584.1	1023.1	898.1	876.9
32.5°	2329.0	1433.3	926.4	848.6	834.5
35°	2211.2	1291.8	858.1	803.9	799.1
37.5°	2079.2	1162.2	796.8	768.5	773.2
40°	1923.6	1044.3	744.9	742.6	752.0
42.5°	1758.6	942.9	704.8	721.3	735.5
45°	1588.8	851.0	664.8	700.1	719.0
47.5°	1412.0	770.8	629.4	674.2	695.4
50°	1232.9	693.1	591.7	643.6	664.8
52.5°	1072.6	624.7	554.0	608.2	631.8
55°	912.3	558.7	513.9	570.5	589.3
57.5°	773.2	497.4	471.5	528.0	542.2
60°	643.6	438.5	429.0	480.9	497.4
62.5°	525.7	386.6	389.0	438.5	455.0
65°	429.0	337.1	353.6	398.4	412.5



TEST NUMBER: P568205

CATALOG NUMBER: 8SNX-SL3-LN-UNV-CC83-CD-5000K-LOW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	348.9	290.0	318.2	365.4	377.2
70°	275.8	247.5	290.0	332.4	344.2
72.5°	219.2	209.8	261.7	306.5	315.9
75°	167.4	174.4	238.1	280.5	292.3
77.5°	120.2	146.2	214.5	259.3	268.7
80°	84.9	120.2	195.7	240.4	249.9
82.5°	54.2	99.0	176.8	223.9	233.4
85°	28.3	80.1	160.3	207.4	216.9
87.5°	11.8	66.0	143.8	190.9	200.4
90°	0.0	54.2	129.7	176.8	183.9
92.5°	0.0	47.1	117.9	162.7	169.7
95°	0.0	40.1	108.4	148.5	155.6
97.5°	0.0	37.7	96.7	136.7	143.8
100°	0.0	33.0	87.2	124.9	134.4
102.5°	0.0	30.6	80.1	113.2	122.6
105°	0.0	28.3	73.1	103.7	113.2
107.5°	0.0	25.9	68.4	96.7	103.7
110°	0.0	25.9	61.3	89.6	96.7
112.5°	2.4	23.6	56.6	80.1	87.2
115°	2.4	23.6	51.9	75.4	80.1
117.5°	2.4	23.6	49.5	68.4	73.1
120°	2.4	21.2	47.1	63.6	68.4
122.5°	2.4	21.2	44.8	58.9	61.3
125°	2.4	18.9	42.4	54.2	58.9
127.5°	2.4	18.9	40.1	51.9	54.2
130°	2.4	18.9	37.7	47.1	51.9
132.5°	2.4	16.5	35.4	44.8	47.1
135°	2.4	16.5	33.0	42.4	44.8
137.5°	2.4	14.1	30.6	40.1	42.4
140°	2.4	14.1	28.3	37.7	40.1
142.5°	2.4	11.8	25.9	35.4	37.7
145°	2.4	11.8	23.6	33.0	35.4
147.5°	2.4	11.8	21.2	30.6	33.0
150°	2.4	9.4	18.9	28.3	30.6
152.5°	2.4	9.4	16.5	25.9	28.3
155°	2.4	9.4	16.5	23.6	25.9
157.5°	2.4	7.1	14.1	18.9	23.6
160°	2.4	7.1	11.8	16.5	21.2
162.5°	2.4	7.1	11.8	14.1	16.5
165°	2.4	4.7	9.4	11.8	14.1
167.5°	2.4	4.7	7.1	9.4	11.8
170°	2.4	4.7	7.1	7.1	9.4
172.5°	2.4	4.7	4.7	4.7	4.7
175°	4.7	4.7	4.7	4.7	2.4
177.5°	4.7	4.7	4.7	2.4	2.4



TEST NUMBER: P568205

CATALOG NUMBER: 8SNX-SL3-LN-UNV-CC83-CD-5000K-LOW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	2.4	2.4	2.4	2.4	2.4

(END OF REPORT)