

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: P568199

Luminaire Tested: **8SNX-SL3-LN-UNV-CC83-CD-3500K-LOW**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568199
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-3500K-LOW
Description: 8FT 12000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 3500K, 80CRI, LOW LUMEN SETTING, AND LN LENS
Light Source: -
Ballast/Driver: -

Summary

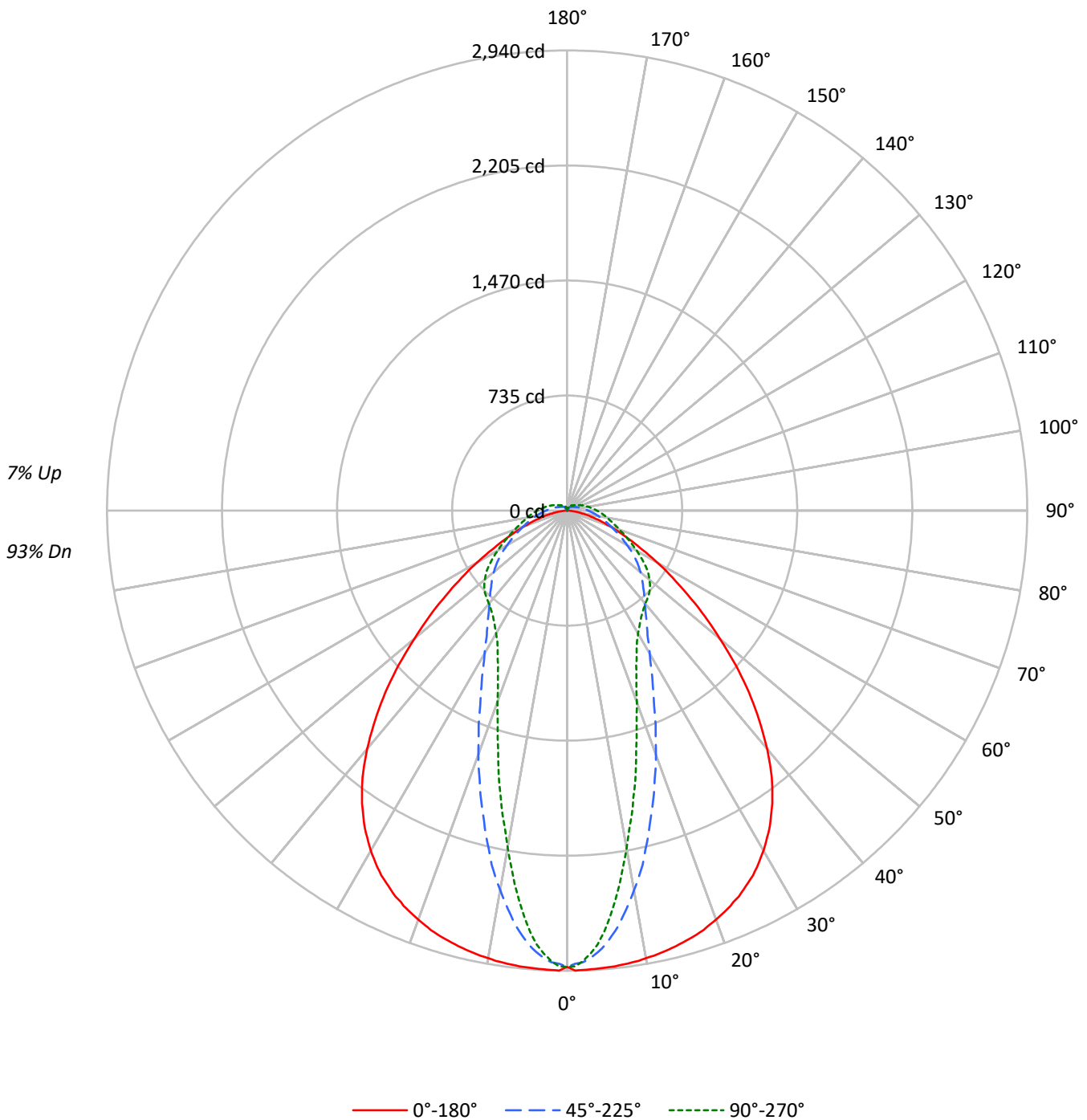
Lumens per Lamp: N/A
Luminaire Lumens: 4647.0 lumens
Efficiency: N/A
Efficacy: 138.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 33.462
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°	15689	15689	15689
5°	15799	14438	13800
10°	15807	12394	10706
15°	15829	10121	8025
20°	15810	8071	6006
25°	15698	6331	4766
30°	15404	5129	4066
35°	14793	4345	3698
40°	13722	3840	3500
45°	12239	3517	3392
50°	10406	3241	3204
55°	8588	2940	2927
60°	6908	2590	2567
65°	5403	2278	2234
70°	4240	2018	1976
75°	3336	1818	1800
80°	2431	1667	1674
85°	1456	1560	1605



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	258.2	5.6
10°-20°	605.1	13.0
20°-30°	718.3	15.5
30°-40°	722.7	15.6
40°-50°	671.8	14.5
50°-60°	553.2	11.9
60°-70°	389.8	8.4
70°-80°	254.6	5.5
80°-90°	162.6	3.5
90°-100°	106.6	2.3
100°-110°	72.4	1.6
110°-120°	49.6	1.1
120°-130°	34.3	0.7
130°-140°	23.1	0.5
140°-150°	14.2	0.3
150°-160°	7.4	0.2
160°-170°	2.7	0.1
170°-180°	0.5	0.0
0°-30°	1581.6	34.0
0°-40°	2304.3	49.6
0°-60°	3529.2	75.9
0°-90°	4336.2	93.3
90°-120°	228.6	4.9
90°-150°	300.3	6.5
90°-180°	311.0	6.7
0°-180°	4647.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2915	2915	2915	2915	2915	
5°	2930	2891	2786	2732	2703	279
15°	2857	2552	2053	1795	1698	807
25°	2669	1973	1308	1098	1052	1228
35°	2284	1335	886	830	826	1421
45°	1642	879	687	723	743	1260
55°	942	577	531	589	609	851
65°	443	348	365	412	426	450
75°	173	180	246	290	302	187
85°	29	83	166	214	224	37
90°	0	56	134	183	190	2
95°	0	41	112	153	161	0
105°	0	29	76	107	117	0
115°	2	24	54	78	83	2
125°	2	20	44	56	61	2
135°	2	17	34	44	46	2
145°	2	12	24	34	36	2
155°	2	10	17	24	27	1
165°	2	5	10	12	15	1
175°	5	5	5	5	2	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2915.2	2915.2	2915.2	2915.2	2915.2
1°	2939.6	2927.4	2895.7	2917.6	2912.8
2°	2937.1	2924.9	2888.4	2898.2	2881.1
3°	2934.7	2917.6	2861.6	2859.2	2834.8
4°	2932.3	2905.5	2827.5	2798.3	2778.8
5°	2929.8	2890.8	2786.1	2732.5	2703.3
6°	2927.4	2873.8	2732.5	2652.2	2610.8
7°	2922.5	2847.0	2676.5	2566.9	2513.4
8°	2917.6	2822.7	2605.9	2474.4	2408.6
9°	2912.8	2791.0	2535.3	2374.5	2296.6
10°	2903.0	2759.3	2462.2	2272.3	2189.4
11°	2898.2	2722.8	2391.6	2174.8	2077.4
12°	2888.4	2683.8	2316.1	2072.5	1987.3
13°	2878.7	2642.4	2223.5	1984.9	1882.6
14°	2868.9	2598.6	2143.2	1887.5	1792.5
15°	2856.8	2552.3	2053.1	1794.9	1697.5
16°	2844.6	2498.7	1972.7	1699.9	1597.6
17°	2832.4	2447.6	1897.2	1612.3	1519.7
18°	2817.8	2396.5	1809.5	1527.0	1436.9
19°	2798.3	2338.0	1738.9	1449.1	1366.3
20°	2781.3	2284.4	1658.5	1376.0	1303.0
21°	2761.8	2218.7	1578.2	1307.8	1234.8
22.5°	2732.5	2126.1	1475.9	1222.6	1154.4
23°	2717.9	2099.3	1434.5	1190.9	1132.5
24°	2698.4	2028.7	1366.3	1142.2	1083.8
25°	2669.2	1972.7	1307.8	1098.4	1052.1
26°	2642.4	1904.5	1249.4	1059.4	1013.1
27°	2615.6	1838.7	1198.2	1018.0	979.0
28°	2581.5	1770.6	1142.2	983.9	949.8
29°	2545.0	1707.2	1095.9	954.7	927.9
30°	2508.5	1636.6	1057.0	927.9	906.0
32.5°	2406.2	1480.7	957.1	876.8	862.1
35°	2284.4	1334.6	886.5	830.5	825.6
37.5°	2148.0	1200.7	823.2	793.9	798.8
40°	1987.3	1078.9	769.6	767.2	776.9
42.5°	1816.8	974.2	728.2	745.2	759.9
45°	1641.5	879.2	686.8	723.3	742.8
47.5°	1458.8	796.4	650.3	696.5	718.5
50°	1273.7	716.0	611.3	664.9	686.8
52.5°	1108.1	645.4	572.3	628.3	652.7
55°	942.5	577.2	530.9	589.4	608.9
57.5°	798.8	513.9	487.1	545.5	560.1
60°	664.9	453.0	443.2	496.8	513.9
62.5°	543.1	399.4	401.8	453.0	470.0
65°	443.2	348.3	365.3	411.6	426.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	360.4	299.6	328.8	377.5	389.7
70°	284.9	255.7	299.6	343.4	355.6
72.5°	226.5	216.8	270.3	316.6	326.3
75°	172.9	180.2	246.0	289.8	302.0
77.5°	124.2	151.0	221.6	267.9	277.6
80°	87.7	124.2	202.1	248.4	258.2
82.5°	56.0	102.3	182.7	231.4	241.1
85°	29.2	82.8	165.6	214.3	224.1
87.5°	12.2	68.2	148.6	197.3	207.0
90°	0.0	56.0	133.9	182.7	190.0
92.5°	0.0	48.7	121.8	168.0	175.4
95°	0.0	41.4	112.0	153.4	160.7
97.5°	0.0	39.0	99.9	141.3	148.6
100°	0.0	34.1	90.1	129.1	138.8
102.5°	0.0	31.7	82.8	116.9	126.6
105°	0.0	29.2	75.5	107.2	116.9
107.5°	0.0	26.8	70.6	99.9	107.2
110°	0.0	26.8	63.3	92.5	99.9
112.5°	2.4	24.4	58.5	82.8	90.1
115°	2.4	24.4	53.6	77.9	82.8
117.5°	2.4	24.4	51.1	70.6	75.5
120°	2.4	21.9	48.7	65.8	70.6
122.5°	2.4	21.9	46.3	60.9	63.3
125°	2.4	19.5	43.8	56.0	60.9
127.5°	2.4	19.5	41.4	53.6	56.0
130°	2.4	19.5	39.0	48.7	53.6
132.5°	2.4	17.0	36.5	46.3	48.7
135°	2.4	17.0	34.1	43.8	46.3
137.5°	2.4	14.6	31.7	41.4	43.8
140°	2.4	14.6	29.2	39.0	41.4
142.5°	2.4	12.2	26.8	36.5	39.0
145°	2.4	12.2	24.4	34.1	36.5
147.5°	2.4	12.2	21.9	31.7	34.1
150°	2.4	9.7	19.5	29.2	31.7
152.5°	2.4	9.7	17.0	26.8	29.2
155°	2.4	9.7	17.0	24.4	26.8
157.5°	2.4	7.3	14.6	19.5	24.4
160°	2.4	7.3	12.2	17.0	21.9
162.5°	2.4	7.3	12.2	14.6	17.0
165°	2.4	4.9	9.7	12.2	14.6
167.5°	2.4	4.9	7.3	9.7	12.2
170°	2.4	4.9	7.3	7.3	9.7
172.5°	2.4	4.9	4.9	4.9	4.9
175°	4.9	4.9	4.9	4.9	2.4
177.5°	4.9	4.9	4.9	2.4	2.4



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)