

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: P568191

Luminaire Tested: **8SNX-SL3-LC-UNV-CC93-CD-3500K-MED**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568191
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2205-663-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-SL3-LC-UNV-CC93-CD-3500K-MED
Description: 8FT 12000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 3500K, 90CRI, MED LUMEN SETTING, AND LC LENS
Light Source: -
Ballast/Driver: -

Summary

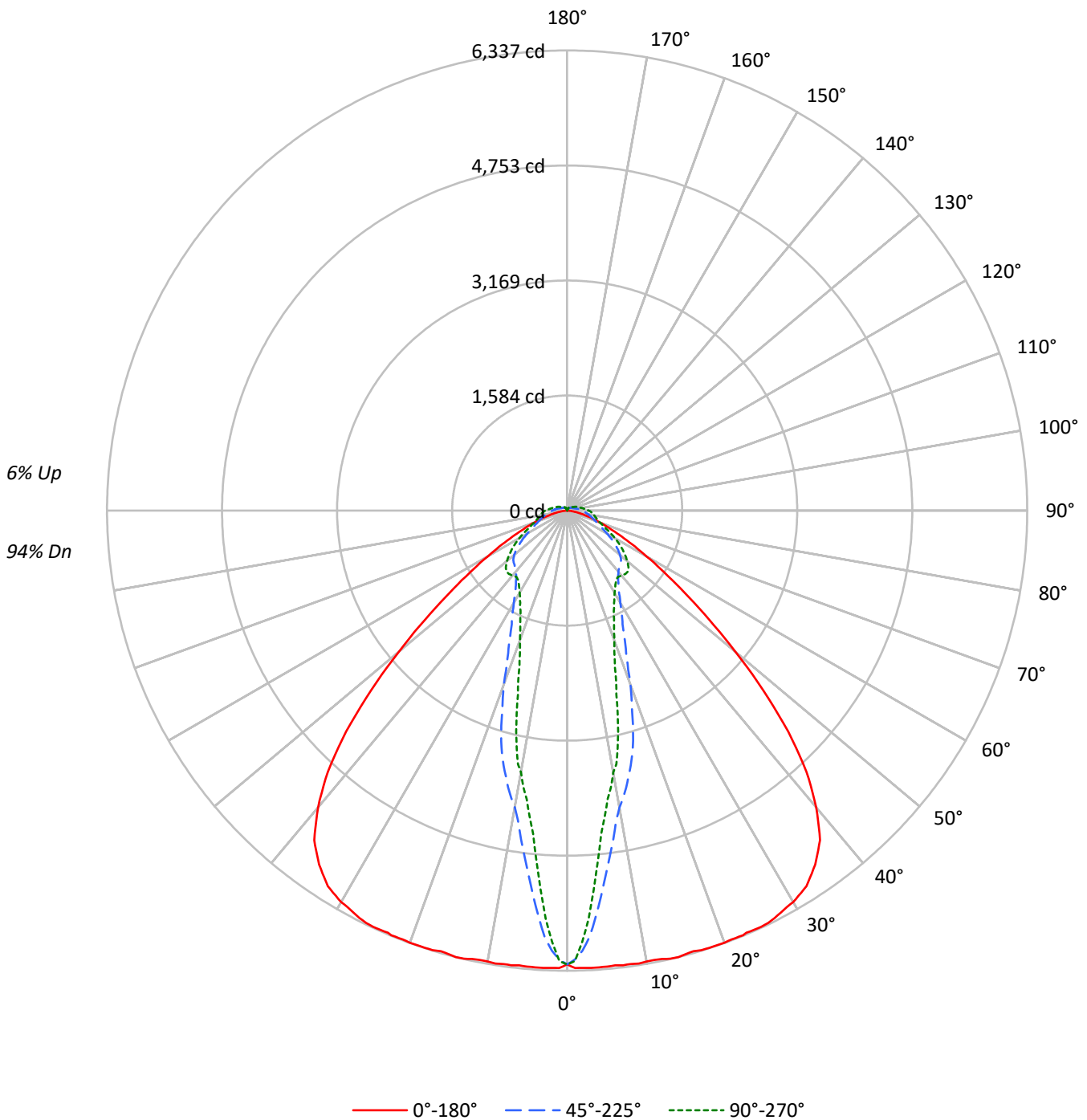
Lumens per Lamp: N/A
Luminaire Lumens: 7704.0 lumens
Efficiency: N/A
Efficacy: 115.1 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 66.924
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	0
RCR																		
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	96	96	96	94
1	108	103	99	96	105	101	97	94	95	92	90	90	88	86	86	84	82	80
2	99	92	86	80	96	89	84	79	85	80	76	81	77	74	77	74	71	69
3	92	82	75	69	89	80	73	68	76	71	66	73	68	64	70	66	62	60
4	85	74	66	60	82	72	65	59	69	63	58	66	61	56	63	59	55	53
5	79	67	59	53	76	66	58	52	63	56	51	60	55	50	58	53	49	47
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	53	48	44	42
7	69	56	48	43	67	55	48	42	53	46	42	51	45	41	50	44	40	38
8	64	52	44	39	63	51	44	39	49	43	38	48	42	37	46	41	37	35
9	61	48	41	36	59	47	40	35	46	39	35	44	39	34	43	38	34	32
10	57	45	38	33	56	44	37	33	43	37	32	42	36	32	40	35	31	30

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	33637	33637	33637
5°	34001	27661	24729
10°	34331	20906	17897
15°	35023	17108	12393
20°	35997	12392	8752
25°	37198	8887	6886
30°	38233	7108	5864
35°	38555	6019	5252
40°	36857	5477	5265
45°	32086	5298	5409
50°	24708	5044	5047
55°	17988	4417	4479
60°	13125	3691	3787
65°	9625	3126	3104
70°	7170	2766	2677
75°	5180	2567	2495
80°	3501	2410	2457
85°	1771	2306	2461



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	491.5	6.4
10°-20°	1067.3	13.9
20°-30°	1221.7	15.9
30°-40°	1223.9	15.9
40°-50°	1158.6	15.0
50°-60°	888.5	11.5
60°-70°	572.7	7.4
70°-80°	365.2	4.7
80°-90°	242.5	3.1
90°-100°	163.0	2.1
100°-110°	107.4	1.4
110°-120°	74.7	1.0
120°-130°	52.1	0.7
130°-140°	36.2	0.5
140°-150°	22.1	0.3
150°-160°	11.2	0.1
160°-170°	4.3	0.1
170°-180°	0.8	0.0
0°-30°	2780.5	36.1
0°-40°	4004.4	52.0
0°-60°	6051.5	78.6
0°-90°	7232.0	93.9
90°-120°	345.2	4.5
90°-150°	455.6	5.9
90°-180°	472.0	6.1
0°-180°	7704.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6250	6250	6250	6250	6250	
5°	6305	5958	5338	4979	4844	602
15°	6321	4552	3470	2850	2622	1793
25°	6325	3222	1836	1595	1520	2916
35°	5954	1792	1228	1188	1173	3694
45°	4303	1133	1034	1145	1184	3272
55°	1974	809	798	896	932	1815
65°	790	509	501	572	592	812
75°	268	276	347	399	418	295
85°	36	126	245	320	344	49
90°	0	87	205	284	296	2
95°	0	63	170	233	245	0
105°	0	47	110	158	170	3
115°	4	40	83	114	122	4
125°	4	36	71	83	87	3
135°	4	28	55	67	71	3
145°	4	20	40	51	55	2
155°	4	12	24	36	40	2
165°	8	8	16	20	24	2
175°	8	8	8	8	4	1
180°	8	8	8	8	8	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6249.9	6249.9	6249.9	6249.9	6249.9
1°	6301.2	6265.7	6182.7	6206.4	6202.5
2°	6301.2	6226.2	6064.3	6016.9	5945.9
3°	6305.1	6159.1	5882.7	5728.7	5630.0
4°	6305.1	6060.3	5614.2	5357.6	5231.2
5°	6305.1	5957.7	5337.8	4978.6	4844.3
6°	6297.2	5835.3	5057.5	4678.5	4477.2
7°	6309.1	5701.1	4804.9	4398.2	4240.3
8°	6305.1	5543.1	4571.9	4185.0	4011.3
9°	6317.0	5389.2	4319.2	3983.6	3853.4
10°	6305.1	5247.0	4153.4	3794.1	3659.9
11°	6305.1	5108.9	4035.0	3671.7	3557.2
12°	6313.0	4950.9	3904.7	3498.0	3340.1
13°	6332.8	4789.1	3754.7	3308.5	3123.0
14°	6336.7	4666.7	3616.5	3067.7	2874.2
15°	6320.9	4552.2	3470.4	2850.5	2621.5
16°	6313.0	4433.7	3296.7	2645.2	2439.9
17°	6328.8	4295.5	3099.3	2436.0	2246.5
18°	6332.8	4169.2	2890.0	2278.1	2112.2
19°	6332.8	4070.5	2720.2	2132.0	1989.8
20°	6332.8	3975.7	2546.5	2021.4	1899.0
21°	6324.9	3857.3	2349.1	1906.9	1804.3
22.5°	6328.8	3636.2	2124.1	1772.7	1689.8
23°	6317.0	3580.9	2068.8	1737.2	1650.3
24°	6320.9	3423.0	1950.4	1666.1	1583.2
25°	6324.9	3221.7	1835.9	1595.0	1520.0
26°	6317.0	3059.8	1741.1	1527.9	1476.6
27°	6297.2	2929.5	1674.0	1472.6	1425.3
28°	6269.6	2755.8	1602.9	1425.3	1381.8
29°	6242.0	2558.4	1531.9	1373.9	1342.4
30°	6226.2	2400.5	1464.7	1334.5	1306.8
32.5°	6131.4	2088.6	1326.6	1255.5	1231.8
35°	5953.8	1792.4	1227.9	1188.4	1172.6
37.5°	5720.8	1563.5	1152.8	1145.0	1148.9
40°	5337.8	1381.8	1097.6	1133.1	1168.6
42.5°	4879.9	1239.7	1058.1	1145.0	1184.4
45°	4303.4	1133.1	1034.4	1145.0	1184.4
47.5°	3663.8	1046.2	1006.8	1105.5	1145.0
50°	3024.3	967.3	951.5	1046.2	1081.8
52.5°	2459.7	892.3	880.4	971.2	1006.8
55°	1974.1	809.4	797.5	896.2	931.8
57.5°	1583.2	730.4	718.6	809.4	844.9
60°	1263.4	651.4	631.7	722.5	758.0
62.5°	1006.8	576.4	564.6	643.5	675.1
65°	789.6	509.3	501.4	572.5	592.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	623.8	446.1	450.1	509.3	533.0
70°	481.7	386.9	410.6	465.9	481.7
72.5°	363.2	327.7	379.0	426.4	446.1
75°	268.5	276.4	347.4	398.8	418.5
77.5°	185.6	229.0	319.8	375.1	394.8
80°	126.3	185.6	292.2	355.3	379.0
82.5°	75.0	154.0	268.5	335.6	363.2
85°	35.5	126.3	244.8	319.8	343.5
87.5°	11.8	102.7	221.1	304.0	323.7
90°	0.0	86.9	205.3	284.3	296.1
92.5°	0.0	75.0	185.6	260.6	268.5
95°	0.0	63.2	169.8	232.9	244.8
97.5°	0.0	59.2	157.9	209.2	225.0
100°	0.0	55.3	142.1	189.5	205.3
102.5°	0.0	47.4	126.3	169.8	185.6
105°	0.0	47.4	110.5	157.9	169.8
107.5°	3.9	43.4	102.7	142.1	157.9
110°	3.9	43.4	90.8	134.2	146.1
112.5°	3.9	43.4	86.9	122.4	138.2
115°	3.9	39.5	82.9	114.5	122.4
117.5°	3.9	39.5	79.0	102.7	110.5
120°	3.9	35.5	75.0	94.8	98.7
122.5°	3.9	35.5	71.1	86.9	90.8
125°	3.9	35.5	71.1	82.9	86.9
127.5°	3.9	31.6	67.1	79.0	79.0
130°	3.9	31.6	63.2	75.0	75.0
132.5°	3.9	27.6	59.2	71.1	75.0
135°	3.9	27.6	55.3	67.1	71.1
137.5°	3.9	23.7	51.3	63.2	67.1
140°	3.9	23.7	47.4	59.2	63.2
142.5°	3.9	19.7	43.4	55.3	59.2
145°	3.9	19.7	39.5	51.3	55.3
147.5°	3.9	19.7	35.5	47.4	51.3
150°	3.9	15.8	31.6	43.4	47.4
152.5°	3.9	15.8	27.6	39.5	43.4
155°	3.9	11.8	23.7	35.5	39.5
157.5°	3.9	11.8	23.7	31.6	35.5
160°	7.9	11.8	19.7	27.6	31.6
162.5°	3.9	7.9	19.7	23.7	27.6
165°	7.9	7.9	15.8	19.7	23.7
167.5°	7.9	7.9	11.8	15.8	19.7
170°	7.9	7.9	11.8	11.8	15.8
172.5°	7.9	7.9	7.9	11.8	7.9
175°	7.9	7.9	7.9	7.9	3.9
177.5°	7.9	7.9	7.9	7.9	3.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	7.9	7.9	7.9	7.9	7.9

(END OF REPORT)