

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: P568207

Luminaire Tested: **8SNX-SL3-LN-UNV-CC93-CD-3500K-HI**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568207
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-CC93-CD-3500K-HI
Description: 8FT 12000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 3500K, 90CRI, HI LUMEN SETTING, AND LN LENS
Light Source: -
Ballast/Driver: -

Summary

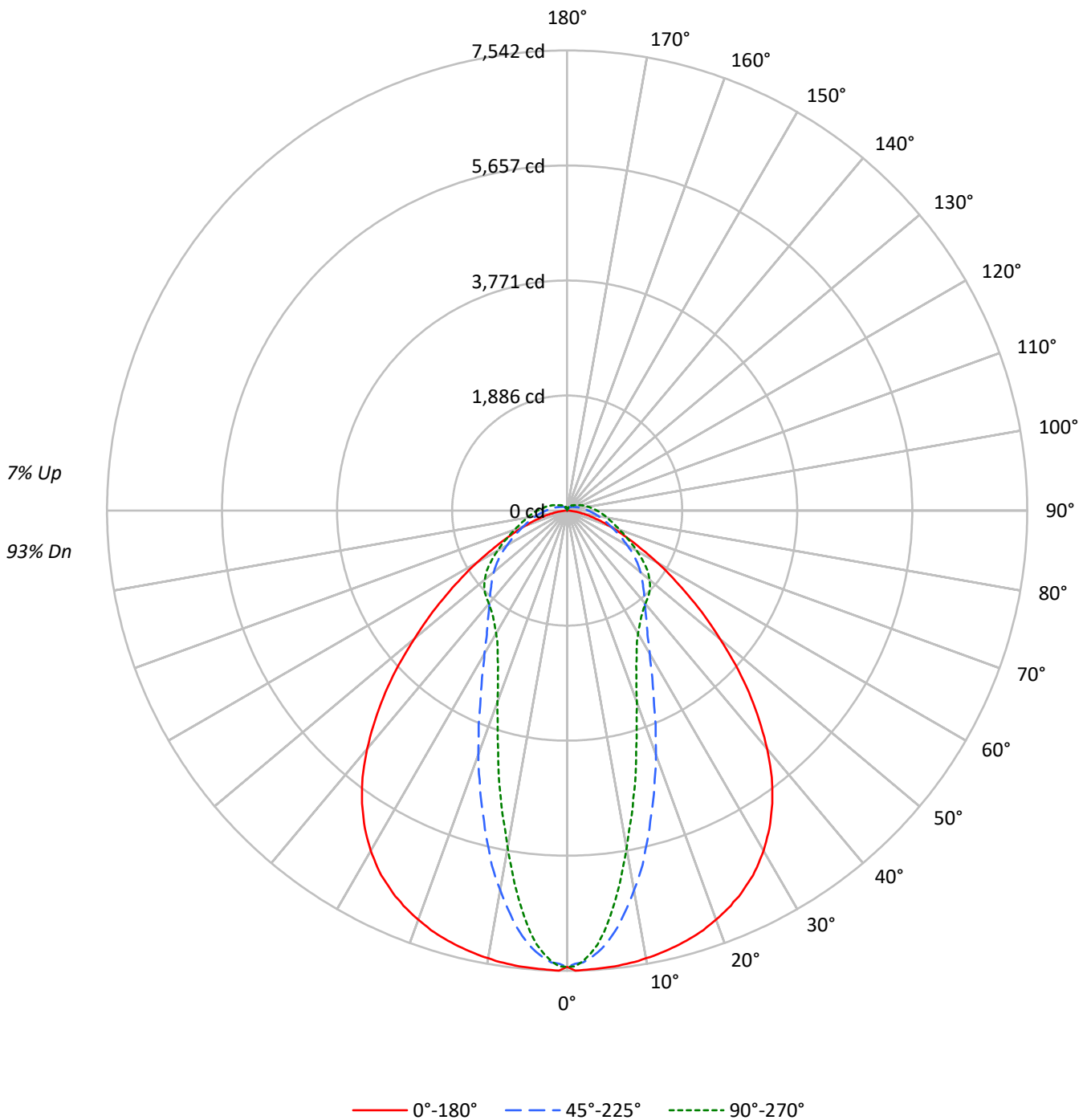
Lumens per Lamp: N/A
Luminaire Lumens: 11922.0 lumens
Efficiency: N/A
Efficacy: 117.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 101.4
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

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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	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°	40252	40252	40252
5°	40534	37041	35404
10°	40553	31796	27468
15°	40610	25966	20588
20°	40559	20706	15407
25°	40274	16243	12227
30°	39519	13159	10430
35°	37953	11148	9487
40°	35205	9852	8980
45°	31398	9024	8703
50°	26698	8314	8221
55°	22033	7543	7508
60°	17721	6645	6586
65°	13863	5843	5731
70°	10880	5178	5069
75°	8559	4663	4619
80°	6234	4278	4294
85°	3741	4002	4118



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	662.3	5.6
10°-20°	1552.5	13.0
20°-30°	1842.8	15.5
30°-40°	1854.1	15.6
40°-50°	1723.4	14.5
50°-60°	1419.1	11.9
60°-70°	1000.0	8.4
70°-80°	653.3	5.5
80°-90°	417.1	3.5
90°-100°	273.6	2.3
100°-110°	185.7	1.6
110°-120°	127.3	1.1
120°-130°	88.1	0.7
130°-140°	59.2	0.5
140°-150°	36.5	0.3
150°-160°	18.9	0.2
160°-170°	6.8	0.1
170°-180°	1.2	0.0
0°-30°	4057.6	34.0
0°-40°	5911.7	49.6
0°-60°	9054.3	75.9
0°-90°	11124.7	93.3
90°-120°	586.5	4.9
90°-150°	770.4	6.5
90°-180°	797.0	6.7
0°-180°	11922.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7479	7479	7479	7479	7479	
5°	7516	7416	7148	7010	6935	716
15°	7329	6548	5267	4605	4355	2070
25°	6848	5061	3355	2818	2699	3151
35°	5861	3424	2274	2131	2118	3645
45°	4211	2256	1762	1856	1906	3233
55°	2418	1481	1362	1512	1562	2184
65°	1137	894	937	1056	1093	1154
75°	444	462	631	744	775	480
85°	75	212	425	550	575	94
90°	0	144	344	469	487	4
95°	0	106	287	394	412	0
105°	0	75	194	275	300	0
115°	6	62	138	200	212	5
125°	6	50	112	144	156	6
135°	6	44	88	112	119	5
145°	6	31	62	88	94	4
155°	6	25	44	62	69	3
165°	6	12	25	31	38	2
175°	12	12	12	12	6	1
180°	6	6	6	6	6	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7479.0	7479.0	7479.0	7479.0	7479.0
1°	7541.5	7510.3	7429.0	7485.3	7472.8
2°	7535.3	7504.0	7410.3	7435.3	7391.6
3°	7529.0	7485.3	7341.6	7335.3	7272.8
4°	7522.8	7454.0	7254.1	7179.1	7129.1
5°	7516.5	7416.5	7147.9	7010.4	6935.4
6°	7510.3	7372.8	7010.4	6804.2	6698.0
7°	7497.8	7304.1	6866.7	6585.5	6448.1
8°	7485.3	7241.6	6685.5	6348.1	6179.4
9°	7472.8	7160.4	6504.3	6091.9	5892.0
10°	7447.8	7079.1	6316.9	5829.5	5617.1
11°	7435.3	6985.4	6135.7	5579.6	5329.7
12°	7410.3	6885.5	5942.0	5317.2	5098.5
13°	7385.3	6779.2	5704.6	5092.2	4829.8
14°	7360.3	6666.8	5498.4	4842.3	4598.6
15°	7329.1	6548.1	5267.2	4604.9	4355.0
16°	7297.8	6410.6	5061.0	4361.2	4098.8
17°	7266.6	6279.4	4867.3	4136.3	3898.8
18°	7229.1	6148.2	4642.4	3917.6	3686.4
19°	7179.1	5998.2	4461.2	3717.6	3505.2
20°	7135.4	5860.8	4255.0	3530.2	3342.8
21°	7085.4	5692.1	4048.8	3355.3	3167.8
22.5°	7010.4	5454.6	3786.4	3136.6	2961.6
23°	6972.9	5385.9	3680.2	3055.3	2905.4
24°	6922.9	5204.7	3505.2	2930.4	2780.4
25°	6848.0	5061.0	3355.3	2817.9	2699.2
26°	6779.2	4886.0	3205.3	2717.9	2599.2
27°	6710.5	4717.3	3074.1	2611.7	2511.8
28°	6623.0	4542.4	2930.4	2524.2	2436.8
29°	6529.3	4379.9	2811.7	2449.3	2380.5
30°	6435.6	4198.8	2711.7	2380.5	2324.3
32.5°	6173.2	3798.9	2455.5	2249.3	2211.8
35°	5860.8	3424.0	2274.3	2130.6	2118.1
37.5°	5510.9	3080.3	2111.9	2036.9	2049.4
40°	5098.5	2767.9	1974.4	1968.2	1993.2
42.5°	4661.1	2499.3	1868.2	1911.9	1949.4
45°	4211.2	2255.6	1762.0	1855.7	1905.7
47.5°	3742.6	2043.1	1668.3	1787.0	1843.2
50°	3267.8	1837.0	1568.3	1705.7	1762.0
52.5°	2842.9	1655.8	1468.3	1612.0	1674.5
55°	2418.0	1480.8	1362.1	1512.1	1562.0
57.5°	2049.4	1318.4	1249.6	1399.6	1437.1
60°	1705.7	1162.2	1137.2	1274.6	1318.4
62.5°	1393.3	1024.7	1030.9	1162.2	1205.9
65°	1137.2	893.5	937.2	1055.9	1093.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	924.7	768.5	843.5	968.5	999.7
70°	731.0	656.1	768.5	881.0	912.2
72.5°	581.1	556.1	693.5	812.3	837.3
75°	443.6	462.4	631.1	743.5	774.8
77.5°	318.7	387.4	568.6	687.3	712.3
80°	224.9	318.7	518.6	637.3	662.3
82.5°	143.7	262.4	468.6	593.6	618.6
85°	75.0	212.4	424.9	549.8	574.8
87.5°	31.2	174.9	381.1	506.1	531.1
90°	0.0	143.7	343.6	468.6	487.4
92.5°	0.0	125.0	312.4	431.1	449.9
95°	0.0	106.2	287.4	393.6	412.4
97.5°	0.0	100.0	256.2	362.4	381.1
100°	0.0	87.5	231.2	331.2	356.1
102.5°	0.0	81.2	212.4	299.9	324.9
105°	0.0	75.0	193.7	274.9	299.9
107.5°	0.0	68.7	181.2	256.2	274.9
110°	0.0	68.7	162.5	237.4	256.2
112.5°	6.2	62.5	150.0	212.4	231.2
115°	6.2	62.5	137.5	199.9	212.4
117.5°	6.2	62.5	131.2	181.2	193.7
120°	6.2	56.2	125.0	168.7	181.2
122.5°	6.2	56.2	118.7	156.2	162.5
125°	6.2	50.0	112.5	143.7	156.2
127.5°	6.2	50.0	106.2	137.5	143.7
130°	6.2	50.0	100.0	125.0	137.5
132.5°	6.2	43.7	93.7	118.7	125.0
135°	6.2	43.7	87.5	112.5	118.7
137.5°	6.2	37.5	81.2	106.2	112.5
140°	6.2	37.5	75.0	100.0	106.2
142.5°	6.2	31.2	68.7	93.7	100.0
145°	6.2	31.2	62.5	87.5	93.7
147.5°	6.2	31.2	56.2	81.2	87.5
150°	6.2	25.0	50.0	75.0	81.2
152.5°	6.2	25.0	43.7	68.7	75.0
155°	6.2	25.0	43.7	62.5	68.7
157.5°	6.2	18.7	37.5	50.0	62.5
160°	6.2	18.7	31.2	43.7	56.2
162.5°	6.2	18.7	31.2	37.5	43.7
165°	6.2	12.5	25.0	31.2	37.5
167.5°	6.2	12.5	18.7	25.0	31.2
170°	6.2	12.5	18.7	18.7	25.0
172.5°	6.2	12.5	12.5	12.5	12.5
175°	12.5	12.5	12.5	12.5	6.2
177.5°	12.5	12.5	12.5	6.2	6.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	6.2	6.2	6.2	6.2	6.2

(END OF REPORT)