

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: P568201

Luminaire Tested: **8SNX-SL3-LN-UNV-CC83-CD-4000K-HI**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568201
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-4000K-HI
Description: 8FT 12000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 4000K, 80CRI, HI LUMEN SETTING, AND LN LENS
Light Source: -
Ballast/Driver: -

Summary

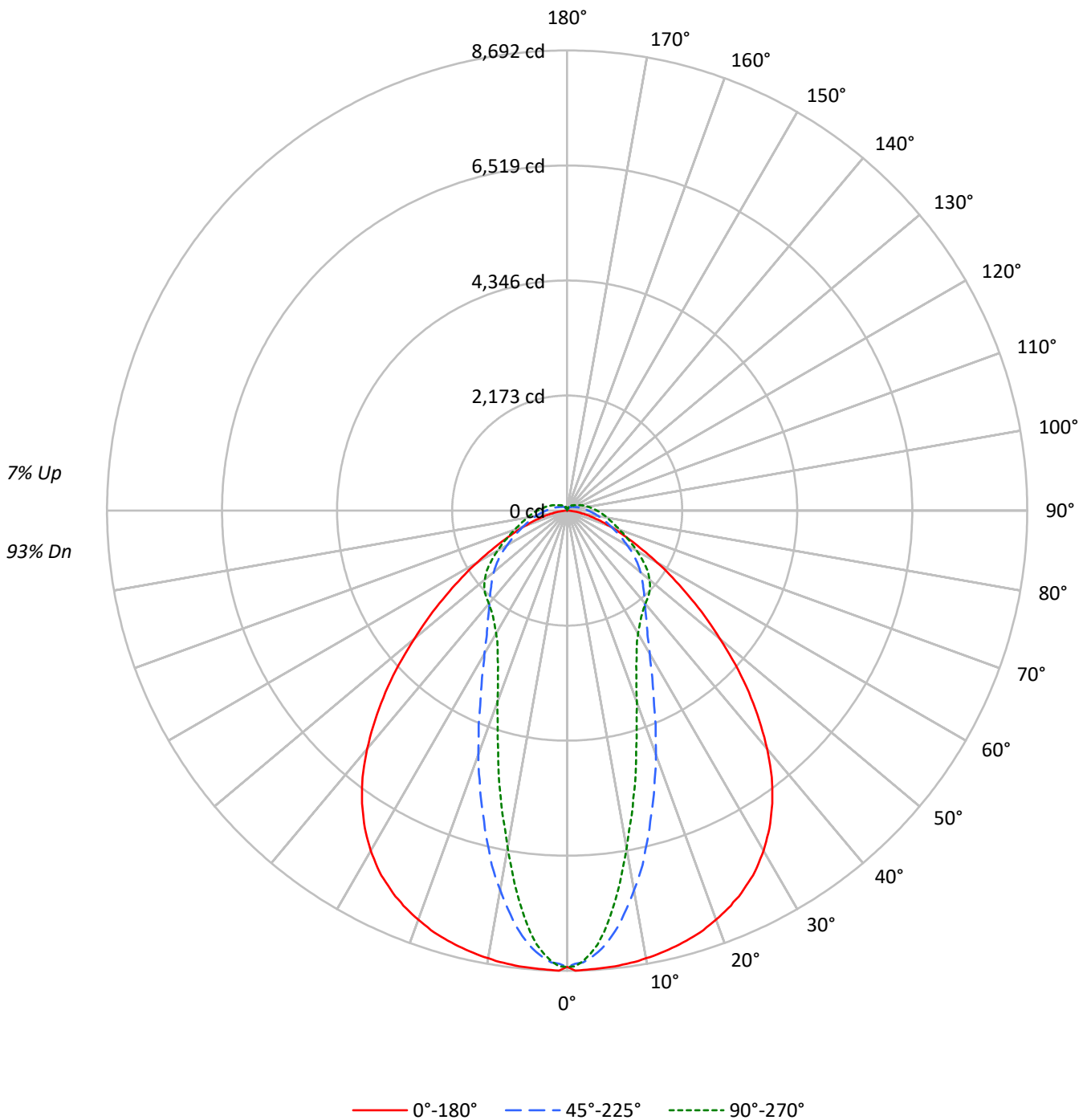
Lumens per Lamp: N/A
Luminaire Lumens: 13739.9 lumens
Efficiency: N/A
Efficacy: 140.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 97.8
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°	46390	46390	46390
5°	46715	42690	40802
10°	46737	36644	31657
15°	46802	29925	23727
20°	46744	23863	17756
25°	46416	18719	14092
30°	45545	15165	12020
35°	43740	12848	10934
40°	40573	11355	10349
45°	36186	10400	10030
50°	30769	9582	9475
55°	25393	8694	8653
60°	20424	7659	7590
65°	15976	6734	6605
70°	12540	5967	5842
75°	9865	5374	5323
80°	7185	4931	4948
85°	4309	4612	4746



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	763.3	5.6
10°-20°	1789.2	13.0
20°-30°	2123.8	15.5
30°-40°	2136.8	15.6
40°-50°	1986.3	14.5
50°-60°	1635.5	11.9
60°-70°	1152.5	8.4
70°-80°	752.9	5.5
80°-90°	480.7	3.5
90°-100°	315.3	2.3
100°-110°	214.0	1.6
110°-120°	146.7	1.1
120°-130°	101.5	0.7
130°-140°	68.3	0.5
140°-150°	42.1	0.3
150°-160°	21.8	0.2
160°-170°	7.9	0.1
170°-180°	1.4	0.0
0°-30°	4676.4	34.0
0°-40°	6813.2	49.6
0°-60°	10435.0	75.9
0°-90°	12821.1	93.3
90°-120°	675.9	4.9
90°-150°	887.8	6.5
90°-180°	919.0	6.7
0°-180°	13739.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8620	8620	8620	8620	8620	
5°	8663	8548	8238	8079	7993	825
15°	8447	7547	6070	5307	5019	2385
25°	7892	5833	3867	3248	3111	3632
35°	6754	3946	2621	2456	2441	4201
45°	4853	2600	2031	2139	2196	3726
55°	2787	1707	1570	1743	1800	2517
65°	1311	1030	1080	1217	1260	1330
75°	511	533	727	857	893	553
85°	86	245	490	634	662	109
90°	0	166	396	540	562	5
95°	0	122	331	454	475	0
105°	0	86	223	317	346	0
115°	7	72	158	230	245	6
125°	7	58	130	166	180	6
135°	7	50	101	130	137	6
145°	7	36	72	101	108	5
155°	7	29	50	72	79	3
165°	7	14	29	36	43	2
175°	14	14	14	14	7	1
180°	7	7	7	7	7	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8619.5	8619.5	8619.5	8619.5	8619.5
1°	8691.5	8655.5	8561.9	8626.7	8612.3
2°	8684.3	8648.3	8540.3	8569.1	8518.7
3°	8677.1	8626.7	8461.1	8453.9	8381.9
4°	8669.9	8590.7	8360.3	8273.9	8216.3
5°	8662.7	8547.5	8237.9	8079.4	7993.0
6°	8655.5	8497.1	8079.4	7841.8	7719.4
7°	8641.1	8417.9	7913.8	7589.8	7431.4
8°	8626.7	8345.9	7705.0	7316.1	7121.7
9°	8612.3	8252.3	7496.2	7020.9	6790.5
10°	8583.5	8158.7	7280.1	6718.5	6473.6
11°	8569.1	8050.6	7071.3	6430.4	6142.4
12°	8540.3	7935.4	6848.1	6128.0	5876.0
13°	8511.5	7813.0	6574.4	5868.8	5566.3
14°	8482.7	7683.4	6336.8	5580.7	5299.9
15°	8446.7	7546.6	6070.4	5307.1	5019.0
16°	8410.7	7388.2	5832.8	5026.2	4723.8
17°	8374.7	7236.9	5609.5	4767.0	4493.4
18°	8331.5	7085.7	5350.3	4515.0	4248.5
19°	8273.9	6912.9	5141.5	4284.6	4039.7
20°	8223.5	6754.5	4903.8	4068.5	3852.5
21°	8165.9	6560.0	4666.2	3866.9	3650.9
22.5°	8079.4	6286.4	4363.8	3614.9	3413.2
23°	8036.2	6207.2	4241.3	3521.3	3348.4
24°	7978.6	5998.4	4039.7	3377.2	3204.4
25°	7892.2	5832.8	3866.9	3247.6	3110.8
26°	7813.0	5631.1	3694.1	3132.4	2995.6
27°	7733.8	5436.7	3542.9	3010.0	2894.8
28°	7633.0	5235.1	3377.2	2909.2	2808.4
29°	7525.0	5047.9	3240.4	2822.8	2743.6
30°	7417.0	4839.0	3125.2	2743.6	2678.7
32.5°	7114.5	4378.2	2830.0	2592.3	2549.1
35°	6754.5	3946.1	2621.1	2455.5	2441.1
37.5°	6351.2	3550.1	2433.9	2347.5	2361.9
40°	5876.0	3190.0	2275.5	2268.3	2297.1
42.5°	5371.9	2880.4	2153.1	2203.5	2246.7
45°	4853.4	2599.5	2030.7	2138.7	2196.3
47.5°	4313.4	2354.7	1922.6	2059.5	2124.3
50°	3766.1	2117.1	1807.4	1965.9	2030.7
52.5°	3276.4	1908.2	1692.2	1857.8	1929.8
55°	2786.8	1706.6	1569.8	1742.6	1800.2
57.5°	2361.9	1519.4	1440.2	1613.0	1656.2
60°	1965.9	1339.4	1310.6	1469.0	1519.4
62.5°	1605.8	1181.0	1188.2	1339.4	1389.8
65°	1310.6	1029.7	1080.1	1217.0	1260.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	1065.7	885.7	972.1	1116.1	1152.1
70°	842.5	756.1	885.7	1015.3	1051.3
72.5°	669.7	640.9	799.3	936.1	964.9
75°	511.3	532.9	727.3	856.9	892.9
77.5°	367.2	446.5	655.3	792.1	820.9
80°	259.2	367.2	597.7	734.5	763.3
82.5°	165.6	302.4	540.1	684.1	712.9
85°	86.4	244.8	489.7	633.7	662.5
87.5°	36.0	201.6	439.3	583.3	612.1
90°	0.0	165.6	396.1	540.1	561.7
92.5°	0.0	144.0	360.0	496.9	518.5
95°	0.0	122.4	331.2	453.7	475.3
97.5°	0.0	115.2	295.2	417.7	439.3
100°	0.0	100.8	266.4	381.6	410.5
102.5°	0.0	93.6	244.8	345.6	374.4
105°	0.0	86.4	223.2	316.8	345.6
107.5°	0.0	79.2	208.8	295.2	316.8
110°	0.0	79.2	187.2	273.6	295.2
112.5°	7.2	72.0	172.8	244.8	266.4
115°	7.2	72.0	158.4	230.4	244.8
117.5°	7.2	72.0	151.2	208.8	223.2
120°	7.2	64.8	144.0	194.4	208.8
122.5°	7.2	64.8	136.8	180.0	187.2
125°	7.2	57.6	129.6	165.6	180.0
127.5°	7.2	57.6	122.4	158.4	165.6
130°	7.2	57.6	115.2	144.0	158.4
132.5°	7.2	50.4	108.0	136.8	144.0
135°	7.2	50.4	100.8	129.6	136.8
137.5°	7.2	43.2	93.6	122.4	129.6
140°	7.2	43.2	86.4	115.2	122.4
142.5°	7.2	36.0	79.2	108.0	115.2
145°	7.2	36.0	72.0	100.8	108.0
147.5°	7.2	36.0	64.8	93.6	100.8
150°	7.2	28.8	57.6	86.4	93.6
152.5°	7.2	28.8	50.4	79.2	86.4
155°	7.2	28.8	50.4	72.0	79.2
157.5°	7.2	21.6	43.2	57.6	72.0
160°	7.2	21.6	36.0	50.4	64.8
162.5°	7.2	21.6	36.0	43.2	50.4
165°	7.2	14.4	28.8	36.0	43.2
167.5°	7.2	14.4	21.6	28.8	36.0
170°	7.2	14.4	21.6	21.6	28.8
172.5°	7.2	14.4	14.4	14.4	14.4
175°	14.4	14.4	14.4	14.4	7.2
177.5°	14.4	14.4	14.4	7.2	7.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	7.2	7.2	7.2	7.2	7.2

(END OF REPORT)