

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: P568187

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568187
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-CC83-CD-5000K-LOW
Description: 8FT 12000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 5000K, 80CRI, LOW LUMEN SETTING, AND LC LENS
Light Source: -
Ballast/Driver: -

Summary

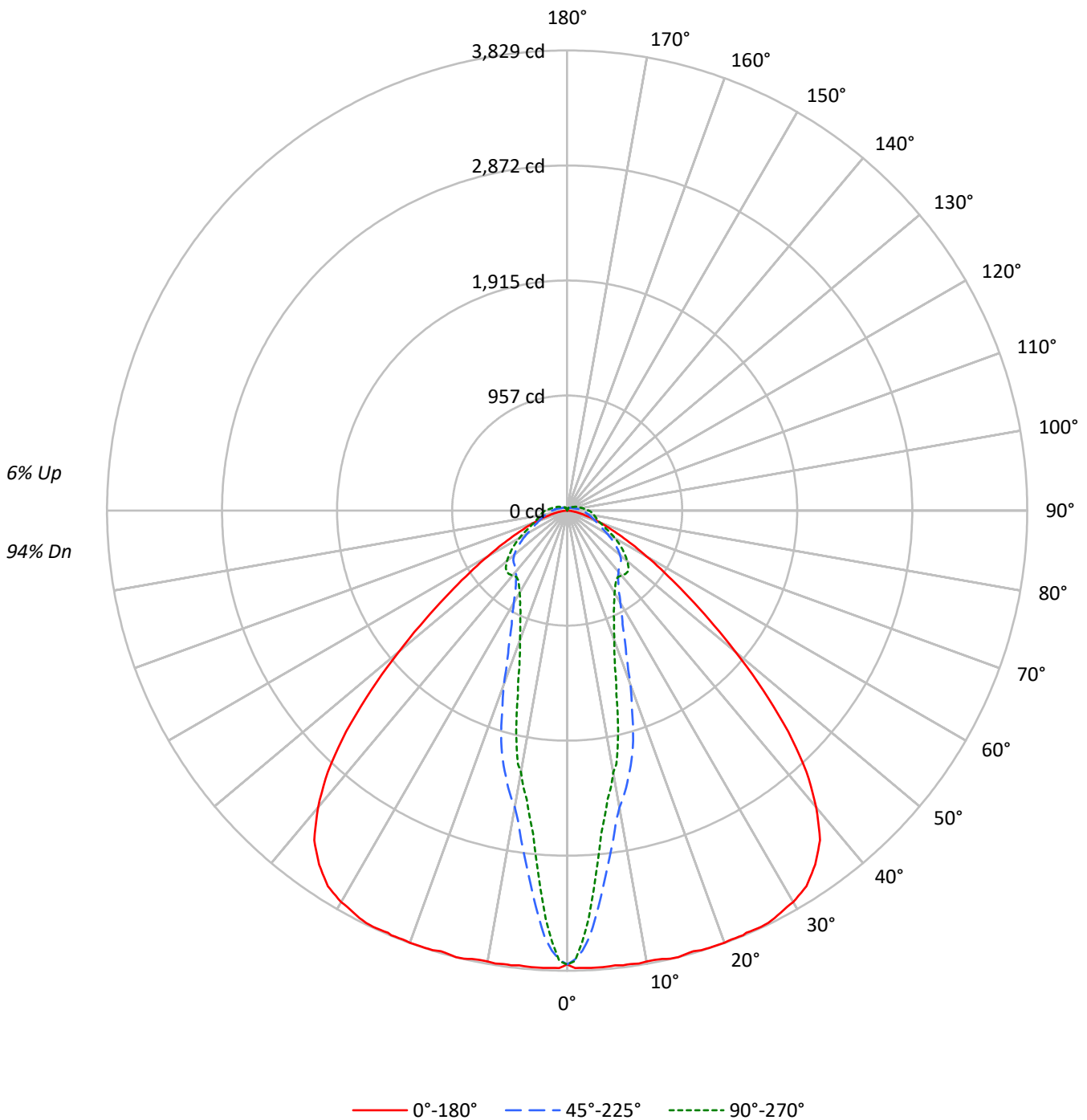
Lumens per Lamp: N/A
Luminaire Lumens: 4655.0 lumens
Efficiency: N/A
Efficacy: 138.0 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 33.726
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	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°	20324	20324	20324
5°	20545	16714	14942
10°	20744	12632	10814
15°	21162	10337	7488
20°	21751	7488	5289
25°	22476	5370	4160
30°	23101	4295	3543
35°	23296	3637	3174
40°	22270	3309	3181
45°	19388	3201	3268
50°	14929	3048	3050
55°	10869	2669	2706
60°	7931	2230	2288
65°	5816	1889	1875
70°	4331	1671	1617
75°	3130	1551	1508
80°	2115	1456	1485
85°	1072	1393	1486



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	297.0	6.4
10°-20°	644.9	13.9
20°-30°	738.2	15.9
30°-40°	739.5	15.9
40°-50°	700.0	15.0
50°-60°	536.9	11.5
60°-70°	346.0	7.4
70°-80°	220.7	4.7
80°-90°	146.5	3.1
90°-100°	98.5	2.1
100°-110°	64.9	1.4
110°-120°	45.2	1.0
120°-130°	31.5	0.7
130°-140°	21.9	0.5
140°-150°	13.4	0.3
150°-160°	6.8	0.1
160°-170°	2.6	0.1
170°-180°	0.5	0.0
0°-30°	1680.1	36.1
0°-40°	2419.6	52.0
0°-60°	3656.5	78.6
0°-90°	4369.8	93.9
90°-120°	208.6	4.5
90°-150°	275.3	5.9
90°-180°	285.0	6.1
0°-180°	4655.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3776	3776	3776	3776	3776	
5°	3810	3600	3225	3008	2927	364
15°	3819	2751	2097	1722	1584	1083
25°	3822	1947	1109	964	918	1762
35°	3597	1083	742	718	708	2232
45°	2600	685	625	692	716	1977
55°	1193	489	482	542	563	1097
65°	477	308	303	346	358	491
75°	162	167	210	241	253	178
85°	22	76	148	193	208	30
90°	0	52	124	172	179	1
95°	0	38	103	141	148	0
105°	0	29	67	95	103	2
115°	2	24	50	69	74	2
125°	2	22	43	50	52	2
135°	2	17	33	41	43	2
145°	2	12	24	31	33	2
155°	2	7	14	22	24	1
165°	5	5	10	12	14	1
175°	5	5	5	5	2	0
180°	5	5	5	5	5	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3776.4	3776.4	3776.4	3776.4	3776.4
1°	3807.4	3785.9	3735.8	3750.1	3747.7
2°	3807.4	3762.0	3664.2	3635.6	3592.7
3°	3809.8	3721.5	3554.5	3461.5	3401.8
4°	3809.8	3661.9	3392.3	3237.2	3160.9
5°	3809.8	3599.8	3225.3	3008.2	2927.1
6°	3805.0	3525.9	3055.9	2826.9	2705.2
7°	3812.1	3444.8	2903.2	2657.5	2562.1
8°	3809.8	3349.3	2762.5	2528.7	2423.7
9°	3816.9	3256.3	2609.8	2407.0	2328.3
10°	3809.8	3170.4	2509.6	2292.5	2211.4
11°	3809.8	3086.9	2438.1	2218.6	2149.4
12°	3814.5	2991.5	2359.3	2113.6	2018.2
13°	3826.5	2893.7	2268.7	1999.1	1887.0
14°	3828.8	2819.7	2185.2	1853.6	1736.7
15°	3819.3	2750.6	2096.9	1722.4	1584.0
16°	3814.5	2679.0	1992.0	1598.3	1474.3
17°	3824.1	2595.5	1872.7	1471.9	1357.4
18°	3826.5	2519.2	1746.2	1376.5	1276.3
19°	3826.5	2459.5	1643.7	1288.2	1202.3
20°	3826.5	2402.3	1538.7	1221.4	1147.5
21°	3821.7	2330.7	1419.4	1152.2	1090.2
22.5°	3824.1	2197.1	1283.4	1071.1	1021.0
23°	3816.9	2163.7	1250.0	1049.7	997.2
24°	3819.3	2068.3	1178.5	1006.7	956.6
25°	3821.7	1946.6	1109.3	963.8	918.4
26°	3816.9	1848.8	1052.0	923.2	892.2
27°	3805.0	1770.1	1011.5	889.8	861.2
28°	3788.3	1665.1	968.5	861.2	835.0
29°	3771.6	1545.9	925.6	830.2	811.1
30°	3762.0	1450.4	885.0	806.3	789.6
32.5°	3704.8	1262.0	801.6	758.6	744.3
35°	3597.4	1083.1	741.9	718.1	708.5
37.5°	3456.7	944.7	696.6	691.8	694.2
40°	3225.3	835.0	663.2	684.7	706.1
42.5°	2948.6	749.1	639.3	691.8	715.7
45°	2600.3	684.7	625.0	691.8	715.7
47.5°	2213.8	632.2	608.3	668.0	691.8
50°	1827.3	584.5	574.9	632.2	653.6
52.5°	1486.2	539.1	532.0	586.9	608.3
55°	1192.8	489.0	481.9	541.5	563.0
57.5°	956.6	441.3	434.2	489.0	510.5
60°	763.4	393.6	381.7	436.6	458.0
62.5°	608.3	348.3	341.1	388.8	407.9
65°	477.1	307.7	303.0	345.9	357.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	376.9	269.6	272.0	307.7	322.1
70°	291.0	233.8	248.1	281.5	291.0
72.5°	219.5	198.0	229.0	257.6	269.6
75°	162.2	167.0	209.9	240.9	252.9
77.5°	112.1	138.4	193.2	226.6	238.6
80°	76.3	112.1	176.5	214.7	229.0
82.5°	45.3	93.0	162.2	202.8	219.5
85°	21.5	76.3	147.9	193.2	207.5
87.5°	7.2	62.0	133.6	183.7	195.6
90°	0.0	52.5	124.0	171.8	178.9
92.5°	0.0	45.3	112.1	157.4	162.2
95°	0.0	38.2	102.6	140.7	147.9
97.5°	0.0	35.8	95.4	126.4	136.0
100°	0.0	33.4	85.9	114.5	124.0
102.5°	0.0	28.6	76.3	102.6	112.1
105°	0.0	28.6	66.8	95.4	102.6
107.5°	2.4	26.2	62.0	85.9	95.4
110°	2.4	26.2	54.9	81.1	88.3
112.5°	2.4	26.2	52.5	74.0	83.5
115°	2.4	23.9	50.1	69.2	74.0
117.5°	2.4	23.9	47.7	62.0	66.8
120°	2.4	21.5	45.3	57.3	59.6
122.5°	2.4	21.5	42.9	52.5	54.9
125°	2.4	21.5	42.9	50.1	52.5
127.5°	2.4	19.1	40.6	47.7	47.7
130°	2.4	19.1	38.2	45.3	45.3
132.5°	2.4	16.7	35.8	42.9	45.3
135°	2.4	16.7	33.4	40.6	42.9
137.5°	2.4	14.3	31.0	38.2	40.6
140°	2.4	14.3	28.6	35.8	38.2
142.5°	2.4	11.9	26.2	33.4	35.8
145°	2.4	11.9	23.9	31.0	33.4
147.5°	2.4	11.9	21.5	28.6	31.0
150°	2.4	9.5	19.1	26.2	28.6
152.5°	2.4	9.5	16.7	23.9	26.2
155°	2.4	7.2	14.3	21.5	23.9
157.5°	2.4	7.2	14.3	19.1	21.5
160°	4.8	7.2	11.9	16.7	19.1
162.5°	2.4	4.8	11.9	14.3	16.7
165°	4.8	4.8	9.5	11.9	14.3
167.5°	4.8	4.8	7.2	9.5	11.9
170°	4.8	4.8	7.2	7.2	9.5
172.5°	4.8	4.8	4.8	7.2	4.8
175°	4.8	4.8	4.8	4.8	2.4
177.5°	4.8	4.8	4.8	4.8	2.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	4.8	4.8	4.8	4.8	4.8

(END OF REPORT)