

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: P568188

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568188
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-MED
Description: 8FT 12000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 5000K, 80CRI, MED LUMEN SETTING, AND LC LENS
Light Source: -
Ballast/Driver: -

Summary

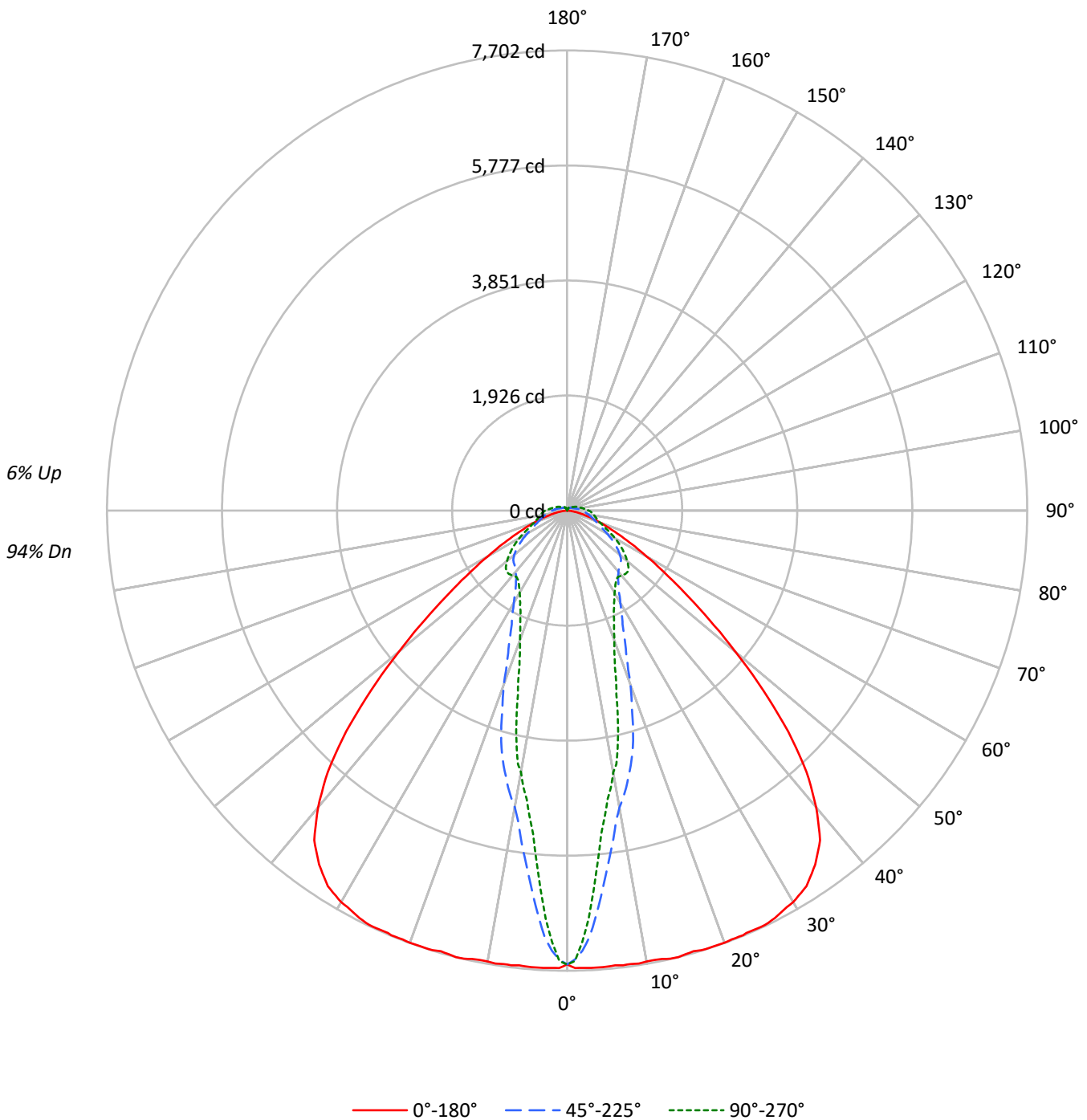
Lumens per Lamp: N/A
Luminaire Lumens: 9364.1 lumens
Efficiency: N/A
Efficacy: 138.8 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 67.452
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°	40884	40884	40884
5°	41328	33622	30058
10°	41729	25411	21754
15°	42570	20794	15063
20°	43753	15062	10638
25°	45213	10803	8369
30°	46471	8639	7128
35°	46862	7315	6384
40°	44799	6657	6400
45°	39000	6439	6574
50°	30032	6131	6135
55°	21863	5369	5444
60°	15953	4487	4603
65°	11700	3800	3773
70°	8714	3363	3254
75°	6296	3120	3033
80°	4258	2929	2987
85°	2155	2802	2991



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	597.4	6.4
10°-20°	1297.3	13.9
20°-30°	1484.9	15.9
30°-40°	1487.6	15.9
40°-50°	1408.2	15.0
50°-60°	1080.0	11.5
60°-70°	696.1	7.4
70°-80°	443.9	4.7
80°-90°	294.8	3.1
90°-100°	198.1	2.1
100°-110°	130.6	1.4
110°-120°	90.8	1.0
120°-130°	63.4	0.7
130°-140°	44.0	0.5
140°-150°	26.9	0.3
150°-160°	13.7	0.1
160°-170°	5.3	0.1
170°-180°	1.0	0.0
0°-30°	3379.7	36.1
0°-40°	4867.3	52.0
0°-60°	7355.5	78.5
0°-90°	8790.3	93.9
90°-120°	419.6	4.5
90°-150°	553.9	5.9
90°-180°	574.0	6.1
0°-180°	9364.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7596	7596	7596	7596	7596	
5°	7664	7241	6488	6051	5888	732
15°	7683	5533	4218	3465	3186	2179
25°	7688	3916	2232	1939	1848	3544
35°	7237	2179	1492	1444	1425	4490
45°	5231	1377	1257	1392	1440	3977
55°	2399	984	969	1089	1132	2206
65°	960	619	610	696	720	987
75°	326	336	422	485	509	359
85°	43	154	298	389	418	59
90°	0	106	250	346	360	2
95°	0	77	206	283	298	0
105°	0	58	134	192	206	3
115°	5	48	101	139	149	5
125°	5	43	86	101	106	4
135°	5	34	67	82	86	4
145°	5	24	48	62	67	3
155°	5	14	29	43	48	2
165°	10	10	19	24	29	2
175°	10	10	10	10	5	1
180°	10	10	10	10	10	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7596.5	7596.5	7596.5	7596.5	7596.5
1°	7658.9	7615.7	7515.0	7543.7	7538.9
2°	7658.9	7567.7	7371.0	7313.4	7227.0
3°	7663.7	7486.2	7150.2	6963.1	6843.1
4°	7663.7	7366.2	6823.9	6512.0	6358.4
5°	7663.7	7241.4	6488.0	6051.3	5888.2
6°	7654.1	7092.7	6147.3	5686.6	5441.9
7°	7668.5	6929.5	5840.2	5345.9	5153.9
8°	7663.7	6737.5	5557.0	5086.7	4875.6
9°	7678.1	6550.4	5249.9	4842.0	4683.6
10°	7663.7	6377.6	5048.4	4611.7	4448.5
11°	7663.7	6209.7	4904.4	4462.9	4323.7
12°	7673.3	6017.7	4746.0	4251.8	4059.8
13°	7697.3	5821.0	4563.7	4021.4	3795.9
14°	7702.1	5672.2	4395.7	3728.7	3493.5
15°	7682.9	5533.0	4218.2	3464.7	3186.4
16°	7673.3	5389.1	4007.0	3215.2	2965.7
17°	7692.5	5221.1	3767.1	2960.9	2730.5
18°	7697.3	5067.6	3512.7	2768.9	2567.4
19°	7697.3	4947.6	3306.4	2591.4	2418.6
20°	7697.3	4832.4	3095.2	2457.0	2308.2
21°	7687.7	4688.4	2855.3	2317.8	2193.1
22.5°	7692.5	4419.7	2581.8	2154.7	2053.9
23°	7678.1	4352.5	2514.6	2111.5	2005.9
24°	7682.9	4160.6	2370.6	2025.1	1924.3
25°	7687.7	3915.8	2231.5	1938.7	1847.5
26°	7678.1	3719.1	2116.3	1857.1	1794.8
27°	7654.1	3560.7	2034.7	1790.0	1732.4
28°	7620.5	3349.6	1948.3	1732.4	1679.6
29°	7586.9	3109.6	1861.9	1670.0	1631.6
30°	7567.7	2917.7	1780.4	1622.0	1588.4
32.5°	7452.6	2538.6	1612.4	1526.0	1497.2
35°	7236.6	2178.7	1492.4	1444.4	1425.2
37.5°	6953.5	1900.3	1401.3	1391.7	1396.5
40°	6488.0	1679.6	1334.1	1377.3	1420.5
42.5°	5931.3	1506.8	1286.1	1391.7	1439.6
45°	5230.7	1377.3	1257.3	1391.7	1439.6
47.5°	4453.3	1271.7	1223.7	1343.7	1391.7
50°	3675.9	1175.7	1156.5	1271.7	1314.9
52.5°	2989.7	1084.5	1070.1	1180.5	1223.7
55°	2399.4	983.8	969.4	1089.3	1132.5
57.5°	1924.3	887.8	873.4	983.8	1026.9
60°	1535.6	791.8	767.8	878.2	921.4
62.5°	1223.7	700.6	686.2	782.2	820.6
65°	959.8	619.0	609.5	695.8	719.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	758.2	542.3	547.1	619.0	647.8
70°	585.5	470.3	499.1	566.3	585.5
72.5°	441.5	398.3	460.7	518.3	542.3
75°	326.3	335.9	422.3	484.7	508.7
77.5°	225.5	278.3	388.7	455.9	479.9
80°	153.6	225.5	355.1	431.9	460.7
82.5°	91.2	187.2	326.3	407.9	441.5
85°	43.2	153.6	297.5	388.7	417.5
87.5°	14.4	124.8	268.7	369.5	393.5
90°	0.0	105.6	249.5	345.5	359.9
92.5°	0.0	91.2	225.5	316.7	326.3
95°	0.0	76.8	206.3	283.1	297.5
97.5°	0.0	72.0	192.0	254.3	273.5
100°	0.0	67.2	172.8	230.3	249.5
102.5°	0.0	57.6	153.6	206.3	225.5
105°	0.0	57.6	134.4	192.0	206.3
107.5°	4.8	52.8	124.8	172.8	192.0
110°	4.8	52.8	110.4	163.2	177.6
112.5°	4.8	52.8	105.6	148.8	168.0
115°	4.8	48.0	100.8	139.2	148.8
117.5°	4.8	48.0	96.0	124.8	134.4
120°	4.8	43.2	91.2	115.2	120.0
122.5°	4.8	43.2	86.4	105.6	110.4
125°	4.8	43.2	86.4	100.8	105.6
127.5°	4.8	38.4	81.6	96.0	96.0
130°	4.8	38.4	76.8	91.2	91.2
132.5°	4.8	33.6	72.0	86.4	91.2
135°	4.8	33.6	67.2	81.6	86.4
137.5°	4.8	28.8	62.4	76.8	81.6
140°	4.8	28.8	57.6	72.0	76.8
142.5°	4.8	24.0	52.8	67.2	72.0
145°	4.8	24.0	48.0	62.4	67.2
147.5°	4.8	24.0	43.2	57.6	62.4
150°	4.8	19.2	38.4	52.8	57.6
152.5°	4.8	19.2	33.6	48.0	52.8
155°	4.8	14.4	28.8	43.2	48.0
157.5°	4.8	14.4	28.8	38.4	43.2
160°	9.6	14.4	24.0	33.6	38.4
162.5°	4.8	9.6	24.0	28.8	33.6
165°	9.6	9.6	19.2	24.0	28.8
167.5°	9.6	9.6	14.4	19.2	24.0
170°	9.6	9.6	14.4	14.4	19.2
172.5°	9.6	9.6	9.6	14.4	9.6
175°	9.6	9.6	9.6	9.6	4.8
177.5°	9.6	9.6	9.6	9.6	4.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	9.6	9.6	9.6	9.6	9.6

(END OF REPORT)