

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: P568193

Luminaire Tested: **8SNX-SL3-LC-UNV-CC93-CD-4000K-LOW**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568193
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-4000K-LOW
Description: 8FT 12000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 4000K, 90CRI, LOW LUMEN SETTING, AND LC LENS
Light Source: -
Ballast/Driver: -

Summary

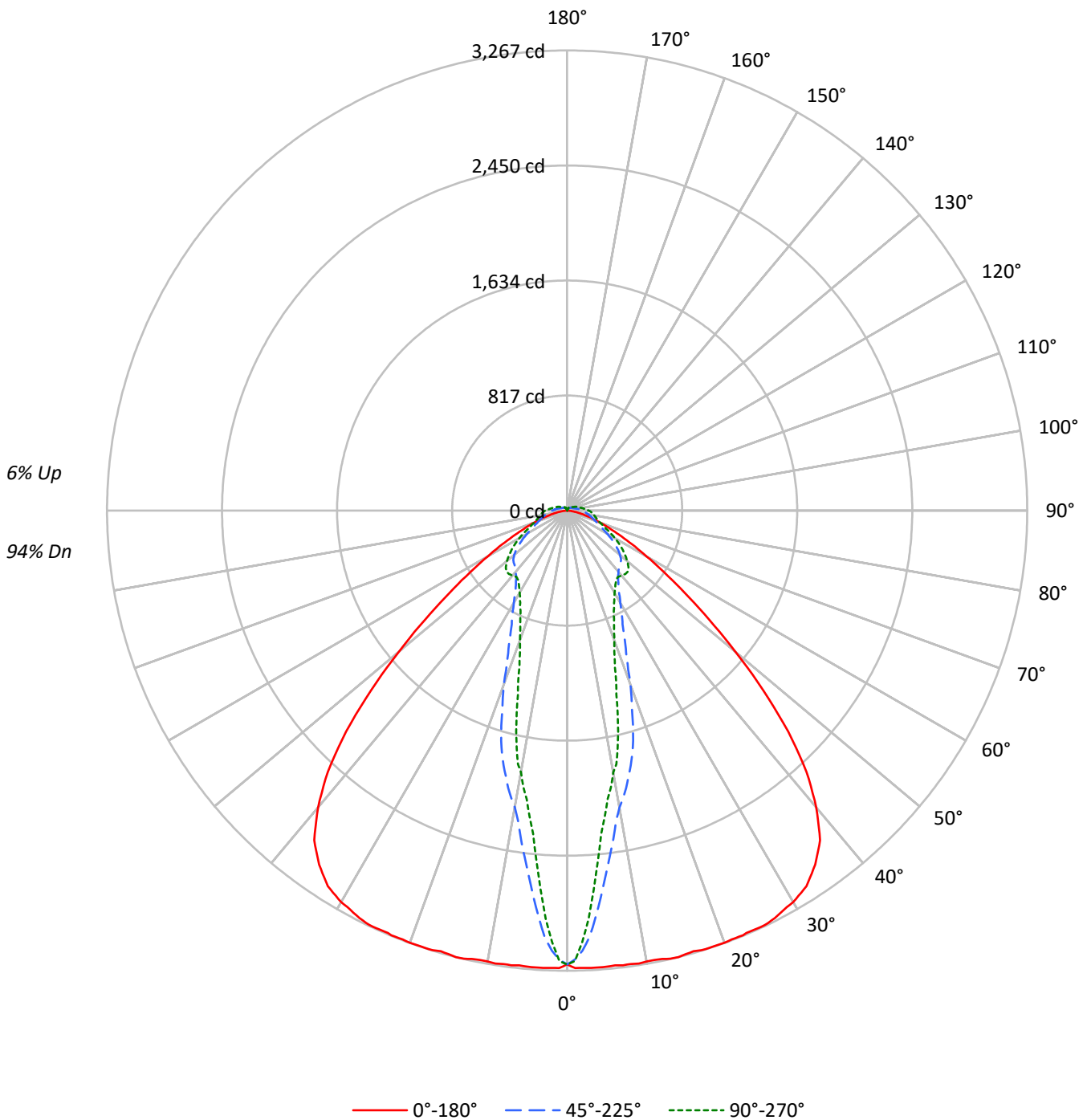
Lumens per Lamp: N/A
Luminaire Lumens: 3972.0 lumens
Efficiency: N/A
Efficacy: 123.1 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 32.274
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	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°	17342	17342	17342
5°	17531	14262	12750
10°	17701	10779	9228
15°	18057	8821	6389
20°	18559	6389	4513
25°	19179	4582	3550
30°	19712	3665	3024
35°	19878	3103	2708
40°	19003	2824	2714
45°	16543	2731	2789
50°	12739	2601	2602
55°	9274	2277	2309
60°	6767	1903	1952
65°	4963	1612	1600
70°	3696	1426	1380
75°	2670	1323	1286
80°	1804	1242	1267
85°	913	1189	1269



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	253.4	6.4
10°-20°	550.3	13.9
20°-30°	629.9	15.9
30°-40°	631.0	15.9
40°-50°	597.3	15.0
50°-60°	458.1	11.5
60°-70°	295.3	7.4
70°-80°	188.3	4.7
80°-90°	125.0	3.1
90°-100°	84.0	2.1
100°-110°	55.4	1.4
110°-120°	38.5	1.0
120°-130°	26.9	0.7
130°-140°	18.7	0.5
140°-150°	11.4	0.3
150°-160°	5.8	0.1
160°-170°	2.2	0.1
170°-180°	0.4	0.0
0°-30°	1433.6	36.1
0°-40°	2064.6	52.0
0°-60°	3120.0	78.6
0°-90°	3728.6	93.9
90°-120°	177.9	4.5
90°-150°	234.9	5.9
90°-180°	243.0	6.1
0°-180°	3972.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3222	3222	3222	3222	3222	
5°	3251	3072	2752	2567	2498	310
15°	3259	2347	1789	1470	1352	924
25°	3261	1661	946	822	784	1503
35°	3070	924	633	613	605	1905
45°	2219	584	533	590	611	1687
55°	1018	417	411	462	480	936
65°	407	263	258	295	305	419
75°	138	142	179	206	216	152
85°	18	65	126	165	177	25
90°	0	45	106	147	153	1
95°	0	33	88	120	126	0
105°	0	24	57	81	88	1
115°	2	20	43	59	63	2
125°	2	18	37	43	45	2
135°	2	14	28	35	37	2
145°	2	10	20	26	28	1
155°	2	6	12	18	20	1
165°	4	4	8	10	12	1
175°	4	4	4	4	2	0
180°	4	4	4	4	4	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3222.3	3222.3	3222.3	3222.3	3222.3
1°	3248.7	3230.4	3187.7	3199.9	3197.9
2°	3248.7	3210.1	3126.6	3102.2	3065.5
3°	3250.8	3175.5	3033.0	2953.6	2902.7
4°	3250.8	3124.6	2894.6	2762.2	2697.1
5°	3250.8	3071.6	2752.1	2566.8	2497.6
6°	3246.7	3008.5	2607.5	2412.1	2308.3
7°	3252.8	2939.3	2477.3	2267.6	2186.2
8°	3250.8	2857.9	2357.2	2157.7	2068.1
9°	3256.9	2778.5	2226.9	2053.9	1986.7
10°	3250.8	2705.2	2141.4	1956.2	1887.0
11°	3250.8	2634.0	2080.3	1893.1	1834.0
12°	3254.8	2552.6	2013.2	1803.5	1722.1
13°	3265.0	2469.1	1935.8	1705.8	1610.1
14°	3267.1	2406.0	1864.6	1581.6	1481.9
15°	3258.9	2347.0	1789.3	1469.7	1351.6
16°	3254.8	2285.9	1699.7	1363.8	1258.0
17°	3263.0	2214.7	1597.9	1255.9	1158.2
18°	3265.0	2149.5	1490.0	1174.5	1089.0
19°	3265.0	2098.7	1402.5	1099.2	1025.9
20°	3265.0	2049.8	1312.9	1042.2	979.1
21°	3261.0	1988.7	1211.2	983.2	930.2
22.5°	3263.0	1874.7	1095.1	914.0	871.2
23°	3256.9	1846.2	1066.6	895.6	850.9
24°	3258.9	1764.8	1005.6	859.0	816.3
25°	3261.0	1661.0	946.5	822.4	783.7
26°	3256.9	1577.6	897.7	787.8	761.3
27°	3246.7	1510.4	863.1	759.3	734.8
28°	3232.5	1420.8	826.4	734.8	712.4
29°	3218.2	1319.0	789.8	708.4	692.1
30°	3210.1	1237.6	755.2	688.0	673.8
32.5°	3161.2	1076.8	683.9	647.3	635.1
35°	3069.6	924.1	633.1	612.7	604.6
37.5°	2949.5	806.1	594.4	590.3	592.3
40°	2752.1	712.4	565.9	584.2	602.5
42.5°	2515.9	639.2	545.5	590.3	610.7
45°	2218.8	584.2	533.3	590.3	610.7
47.5°	1889.0	539.4	519.1	570.0	590.3
50°	1559.2	498.7	490.6	539.4	557.7
52.5°	1268.1	460.0	453.9	500.7	519.1
55°	1017.8	417.3	411.2	462.1	480.4
57.5°	816.3	376.6	370.5	417.3	435.6
60°	651.4	335.9	325.7	372.5	390.8
62.5°	519.1	297.2	291.1	331.8	348.1
65°	407.1	262.6	258.5	295.2	305.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	321.6	230.0	232.1	262.6	274.8
70°	248.3	199.5	211.7	240.2	248.3
72.5°	187.3	169.0	195.4	219.8	230.0
75°	138.4	142.5	179.1	205.6	215.8
77.5°	95.7	118.1	164.9	193.4	203.6
80°	65.1	95.7	150.6	183.2	195.4
82.5°	38.7	79.4	138.4	173.0	187.3
85°	18.3	65.1	126.2	164.9	177.1
87.5°	6.1	52.9	114.0	156.7	166.9
90°	0.0	44.8	105.8	146.6	152.7
92.5°	0.0	38.7	95.7	134.3	138.4
95°	0.0	32.6	87.5	120.1	126.2
97.5°	0.0	30.5	81.4	107.9	116.0
100°	0.0	28.5	73.3	97.7	105.8
102.5°	0.0	24.4	65.1	87.5	95.7
105°	0.0	24.4	57.0	81.4	87.5
107.5°	2.0	22.4	52.9	73.3	81.4
110°	2.0	22.4	46.8	69.2	75.3
112.5°	2.0	22.4	44.8	63.1	71.2
115°	2.0	20.4	42.7	59.0	63.1
117.5°	2.0	20.4	40.7	52.9	57.0
120°	2.0	18.3	38.7	48.9	50.9
122.5°	2.0	18.3	36.6	44.8	46.8
125°	2.0	18.3	36.6	42.7	44.8
127.5°	2.0	16.3	34.6	40.7	40.7
130°	2.0	16.3	32.6	38.7	38.7
132.5°	2.0	14.2	30.5	36.6	38.7
135°	2.0	14.2	28.5	34.6	36.6
137.5°	2.0	12.2	26.5	32.6	34.6
140°	2.0	12.2	24.4	30.5	32.6
142.5°	2.0	10.2	22.4	28.5	30.5
145°	2.0	10.2	20.4	26.5	28.5
147.5°	2.0	10.2	18.3	24.4	26.5
150°	2.0	8.1	16.3	22.4	24.4
152.5°	2.0	8.1	14.2	20.4	22.4
155°	2.0	6.1	12.2	18.3	20.4
157.5°	2.0	6.1	12.2	16.3	18.3
160°	4.1	6.1	10.2	14.2	16.3
162.5°	2.0	4.1	10.2	12.2	14.2
165°	4.1	4.1	8.1	10.2	12.2
167.5°	4.1	4.1	6.1	8.1	10.2
170°	4.1	4.1	6.1	6.1	8.1
172.5°	4.1	4.1	4.1	6.1	4.1
175°	4.1	4.1	4.1	4.1	2.0
177.5°	4.1	4.1	4.1	4.1	2.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	4.1	4.1	4.1	4.1	4.1

(END OF REPORT)