

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: P568196

Luminaire Tested: **8SNX-SL3-LC-UNV-CC93-CD-5000K-LOW**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568196
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-5000K-LOW
Description: 8FT 12000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 5000K, 90CRI, LOW LUMEN SETTING, AND LC LENS
Light Source: -
Ballast/Driver: -

Summary

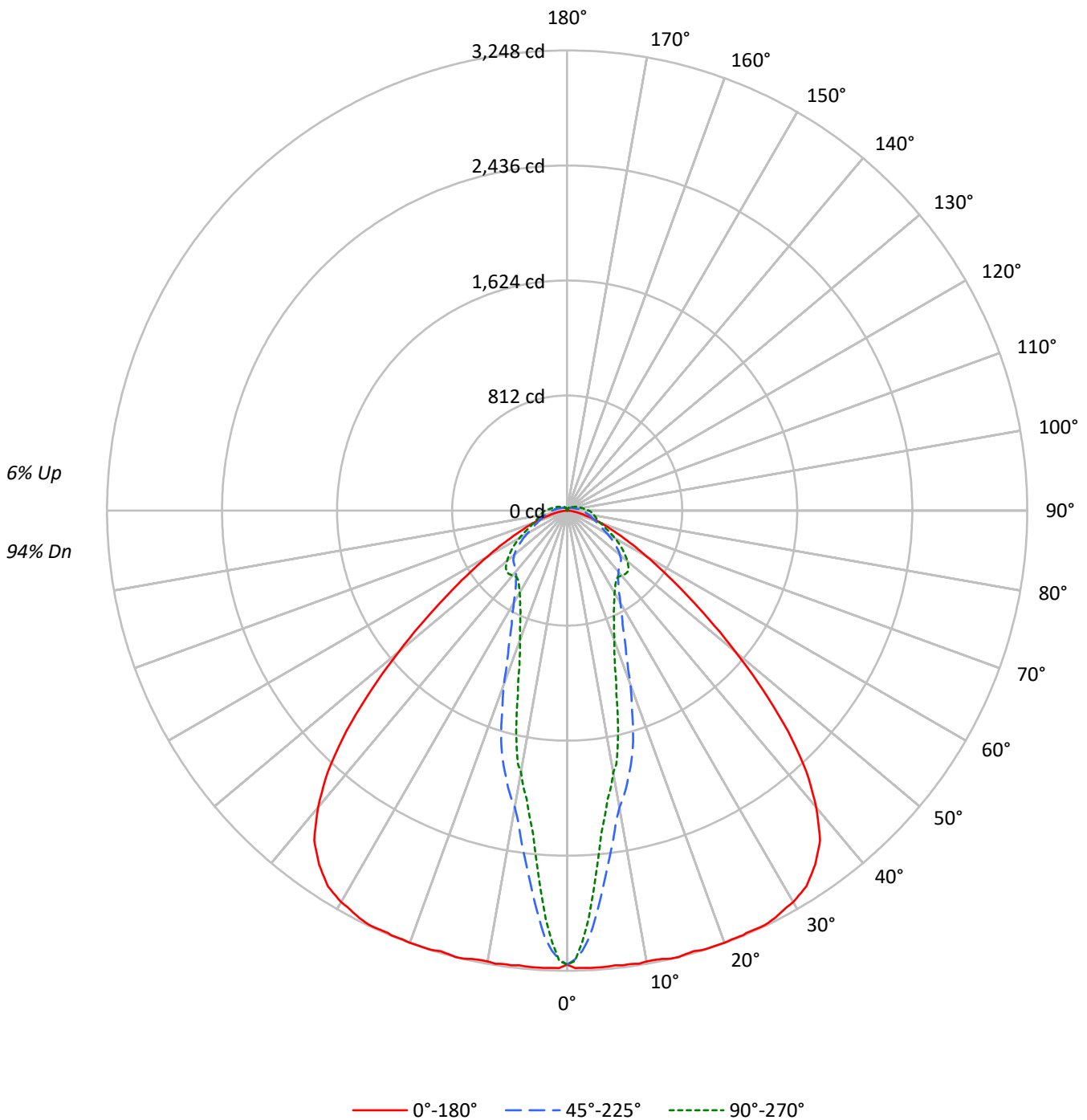
Lumens per Lamp: N/A
Luminaire Lumens: 3949.0 lumens
Efficiency: N/A
Efficacy: 117.1 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 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	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°	17242	17242	17242
5°	17429	14179	12676
10°	17598	10716	9174
15°	17952	8769	6353
20°	18452	6352	4486
25°	19067	4556	3529
30°	19598	3643	3006
35°	19763	3085	2692
40°	18893	2807	2699
45°	16447	2715	2772
50°	12665	2585	2587
55°	9220	2264	2296
60°	6728	1892	1941
65°	4935	1602	1591
70°	3675	1418	1372
75°	2655	1316	1279
80°	1796	1236	1260
85°	908	1182	1261



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	251.9	6.4
10°-20°	547.1	13.9
20°-30°	626.2	15.9
30°-40°	627.4	15.9
40°-50°	593.9	15.0
50°-60°	455.5	11.5
60°-70°	293.6	7.4
70°-80°	187.2	4.7
80°-90°	124.3	3.1
90°-100°	83.6	2.1
100°-110°	55.1	1.4
110°-120°	38.3	1.0
120°-130°	26.7	0.7
130°-140°	18.6	0.5
140°-150°	11.3	0.3
150°-160°	5.8	0.1
160°-170°	2.2	0.1
170°-180°	0.4	0.0
0°-30°	1425.3	36.1
0°-40°	2052.6	52.0
0°-60°	3102.0	78.5
0°-90°	3707.1	93.9
90°-120°	176.9	4.5
90°-150°	233.6	5.9
90°-180°	242.0	6.1
0°-180°	3949.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3204	3204	3204	3204	3204	
5°	3232	3054	2736	2552	2483	309
15°	3240	2333	1779	1461	1344	919
25°	3242	1651	941	818	779	1495
35°	3052	919	629	609	601	1893
45°	2206	581	530	587	607	1677
55°	1012	415	409	459	478	930
65°	405	261	257	293	304	416
75°	138	142	178	204	214	151
85°	18	65	126	164	176	25
90°	0	44	105	146	152	1
95°	0	32	87	119	126	0
105°	0	24	57	81	87	1
115°	2	20	42	59	63	2
125°	2	18	36	42	44	2
135°	2	14	28	34	36	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°	3203.6	3203.6	3203.6	3203.6	3203.6
1°	3229.9	3211.7	3169.2	3181.4	3179.3
2°	3229.9	3191.5	3108.5	3084.2	3047.8
3°	3232.0	3157.1	3015.4	2936.5	2885.9
4°	3232.0	3106.5	2877.8	2746.2	2681.5
5°	3232.0	3053.9	2736.1	2552.0	2483.2
6°	3227.9	2991.1	2592.4	2398.2	2294.9
7°	3234.0	2922.3	2462.9	2254.5	2173.5
8°	3232.0	2841.4	2343.5	2145.2	2056.1
9°	3238.0	2762.4	2214.0	2042.0	1975.2
10°	3232.0	2689.6	2129.0	1944.8	1876.0
11°	3232.0	2618.8	2068.3	1882.1	1823.4
12°	3236.0	2537.8	2001.5	1793.1	1712.1
13°	3246.1	2454.8	1924.6	1695.9	1600.8
14°	3248.1	2392.1	1853.8	1572.5	1473.3
15°	3240.0	2333.4	1778.9	1461.2	1343.8
16°	3236.0	2272.7	1689.8	1355.9	1250.7
17°	3244.1	2201.9	1588.7	1248.7	1151.5
18°	3246.1	2137.1	1481.4	1167.7	1082.7
19°	3246.1	2086.5	1394.4	1092.8	1020.0
20°	3246.1	2037.9	1305.3	1036.2	973.4
21°	3242.1	1977.2	1204.1	977.5	924.9
22.5°	3244.1	1863.9	1088.8	908.7	866.2
23°	3238.0	1835.6	1060.5	890.5	845.9
24°	3240.0	1754.6	999.7	854.0	811.5
25°	3242.1	1651.4	941.1	817.6	779.1
26°	3238.0	1568.4	892.5	783.2	756.9
27°	3227.9	1501.6	858.1	754.9	730.6
28°	3213.7	1412.6	821.6	730.6	708.3
29°	3199.6	1311.4	785.2	704.3	688.1
30°	3191.5	1230.4	750.8	684.0	669.9
32.5°	3142.9	1070.6	680.0	643.6	631.4
35°	3051.8	918.8	629.4	609.2	601.1
37.5°	2932.4	801.4	590.9	586.9	588.9
40°	2736.1	708.3	562.6	580.8	599.0
42.5°	2501.4	635.5	542.4	586.9	607.1
45°	2205.9	580.8	530.2	586.9	607.1
47.5°	1878.1	536.3	516.1	566.7	586.9
50°	1550.2	495.8	487.7	536.3	554.5
52.5°	1260.8	457.4	451.3	497.8	516.1
55°	1011.9	414.9	408.8	459.4	477.6
57.5°	811.5	374.4	368.3	414.9	433.1
60°	647.6	333.9	323.8	370.3	388.6
62.5°	516.1	295.5	289.4	329.9	346.1
65°	404.8	261.1	257.0	293.4	303.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	319.8	228.7	230.7	261.1	273.2
70°	246.9	198.3	210.5	238.8	246.9
72.5°	186.2	168.0	194.3	218.6	228.7
75°	137.6	141.7	178.1	204.4	214.5
77.5°	95.1	117.4	163.9	192.3	202.4
80°	64.8	95.1	149.8	182.1	194.3
82.5°	38.5	78.9	137.6	172.0	186.2
85°	18.2	64.8	125.5	163.9	176.1
87.5°	6.1	52.6	113.3	155.8	165.9
90°	0.0	44.5	105.2	145.7	151.8
92.5°	0.0	38.5	95.1	133.6	137.6
95°	0.0	32.4	87.0	119.4	125.5
97.5°	0.0	30.4	81.0	107.3	115.4
100°	0.0	28.3	72.9	97.1	105.2
102.5°	0.0	24.3	64.8	87.0	95.1
105°	0.0	24.3	56.7	81.0	87.0
107.5°	2.0	22.3	52.6	72.9	81.0
110°	2.0	22.3	46.5	68.8	74.9
112.5°	2.0	22.3	44.5	62.7	70.8
115°	2.0	20.2	42.5	58.7	62.7
117.5°	2.0	20.2	40.5	52.6	56.7
120°	2.0	18.2	38.5	48.6	50.6
122.5°	2.0	18.2	36.4	44.5	46.5
125°	2.0	18.2	36.4	42.5	44.5
127.5°	2.0	16.2	34.4	40.5	40.5
130°	2.0	16.2	32.4	38.5	38.5
132.5°	2.0	14.2	30.4	36.4	38.5
135°	2.0	14.2	28.3	34.4	36.4
137.5°	2.0	12.1	26.3	32.4	34.4
140°	2.0	12.1	24.3	30.4	32.4
142.5°	2.0	10.1	22.3	28.3	30.4
145°	2.0	10.1	20.2	26.3	28.3
147.5°	2.0	10.1	18.2	24.3	26.3
150°	2.0	8.1	16.2	22.3	24.3
152.5°	2.0	8.1	14.2	20.2	22.3
155°	2.0	6.1	12.1	18.2	20.2
157.5°	2.0	6.1	12.1	16.2	18.2
160°	4.0	6.1	10.1	14.2	16.2
162.5°	2.0	4.0	10.1	12.1	14.2
165°	4.0	4.0	8.1	10.1	12.1
167.5°	4.0	4.0	6.1	8.1	10.1
170°	4.0	4.0	6.1	6.1	8.1
172.5°	4.0	4.0	4.0	6.1	4.0
175°	4.0	4.0	4.0	4.0	2.0
177.5°	4.0	4.0	4.0	4.0	2.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	4.0	4.0	4.0	4.0	4.0

(END OF REPORT)