

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: P568194

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568194
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-MED
Description: 8FT 12000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 4000K, 90CRI, MED LUMEN SETTING, AND LC LENS
Light Source: -
Ballast/Driver: -

Summary

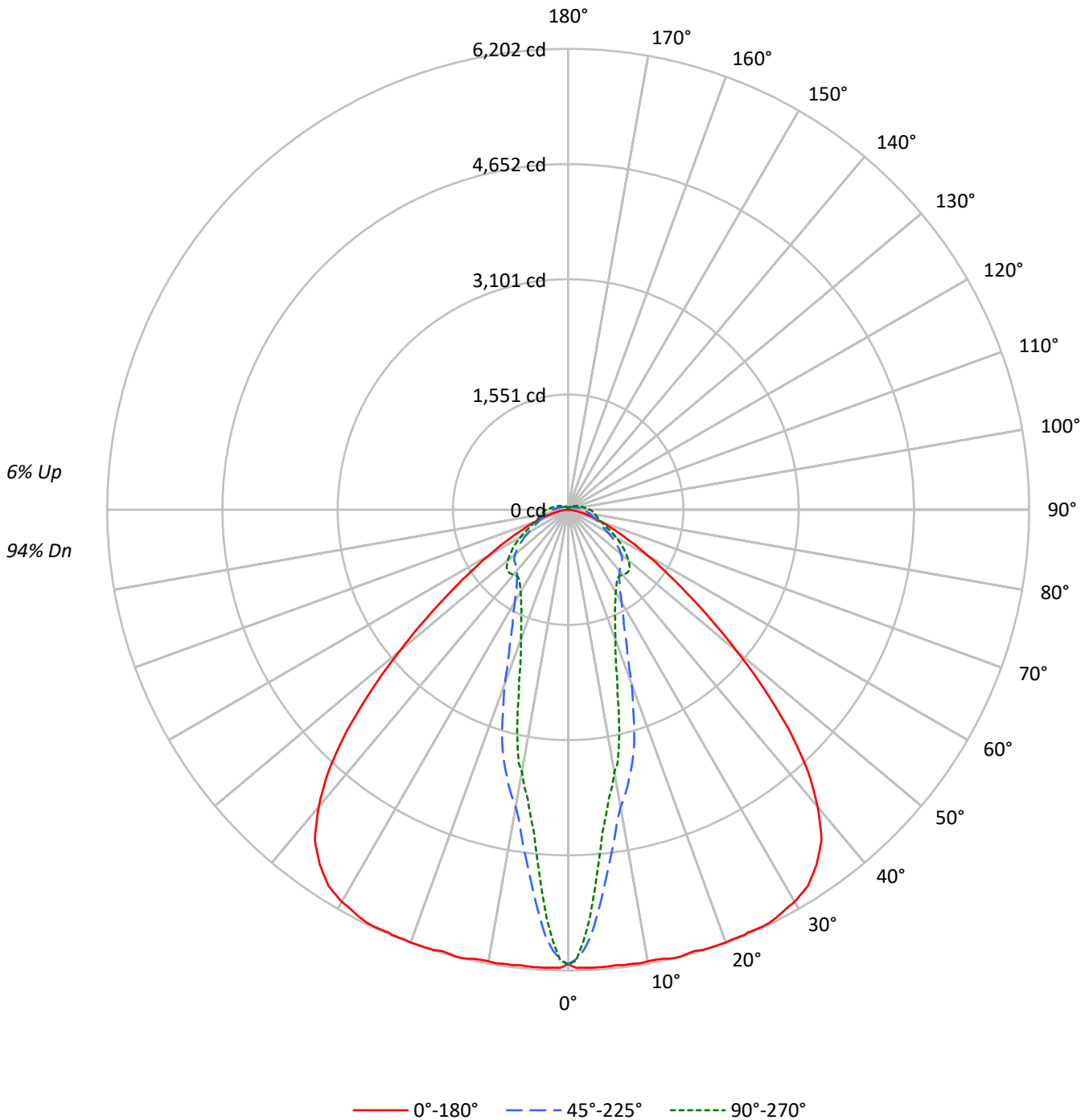
Lumens per Lamp: N/A
Luminaire Lumens: 7540.1 lumens
Efficiency: N/A
Efficacy: 116.8 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 64.548
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°	32920	32920	32920
5°	33278	27072	24203
10°	33600	20461	17516
15°	34278	16744	12129
20°	35231	12128	8566
25°	36406	8698	6739
30°	37419	6957	5739
35°	37734	5890	5140
40°	36073	5360	5153
45°	31403	5185	5294
50°	24182	4937	4940
55°	17604	4322	4383
60°	12846	3613	3706
65°	9421	3059	3038
70°	7016	2708	2620
75°	5070	2512	2442
80°	3429	2358	2405
85°	1736	2257	2408



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	481.0	6.4
10°-20°	1044.6	13.9
20°-30°	1195.7	15.9
30°-40°	1197.8	15.9
40°-50°	1133.9	15.0
50°-60°	869.6	11.5
60°-70°	560.5	7.4
70°-80°	357.5	4.7
80°-90°	237.4	3.1
90°-100°	159.6	2.1
100°-110°	105.2	1.4
110°-120°	73.1	1.0
120°-130°	51.0	0.7
130°-140°	35.4	0.5
140°-150°	21.7	0.3
150°-160°	11.0	0.1
160°-170°	4.2	0.1
170°-180°	0.8	0.0
0°-30°	2721.3	36.1
0°-40°	3919.2	52.0
0°-60°	5922.7	78.5
0°-90°	7078.0	93.9
90°-120°	337.9	4.5
90°-150°	446.0	5.9
90°-180°	462.0	6.1
0°-180°	7540.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6117	6117	6117	6117	6117	
5°	6171	5831	5224	4873	4741	589
15°	6186	4455	3396	2790	2566	1755
25°	6190	3153	1797	1561	1488	2854
35°	5827	1754	1202	1163	1148	3615
45°	4212	1109	1012	1121	1159	3202
55°	1932	792	780	877	912	1777
65°	773	498	491	560	580	795
75°	263	270	340	390	410	289
85°	35	124	240	313	336	48
90°	0	85	201	278	290	2
95°	0	62	166	228	240	0
105°	0	46	108	155	166	3
115°	4	39	81	112	120	4
125°	4	35	70	81	85	3
135°	4	27	54	66	70	3
145°	4	19	39	50	54	2
155°	4	12	23	35	39	2
165°	8	8	16	19	23	2
175°	8	8	8	8	4	1
180°	8	8	8	8	8	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6116.8	6116.8	6116.8	6116.8	6116.8
1°	6167.0	6132.3	6051.1	6074.3	6070.4
2°	6167.0	6093.6	5935.2	5888.8	5819.3
3°	6170.9	6027.9	5757.5	5606.8	5510.2
4°	6170.9	5931.3	5494.7	5243.5	5119.9
5°	6170.9	5830.9	5224.2	4872.6	4741.2
6°	6163.2	5711.1	4949.9	4578.9	4381.8
7°	6174.8	5579.7	4702.6	4304.6	4150.0
8°	6170.9	5425.1	4474.6	4095.9	3925.9
9°	6182.5	5274.4	4227.3	3898.8	3771.3
10°	6170.9	5135.3	4065.0	3713.4	3582.0
11°	6170.9	5000.1	3949.1	3593.6	3481.5
12°	6178.6	4845.5	3821.6	3423.6	3269.0
13°	6198.0	4687.1	3674.7	3238.1	3056.5
14°	6201.8	4567.3	3539.5	3002.4	2813.0
15°	6186.4	4455.3	3396.5	2789.9	2565.7
16°	6178.6	4339.3	3226.5	2588.9	2388.0
17°	6194.1	4204.1	3033.3	2384.1	2198.7
18°	6198.0	4080.5	2828.5	2229.6	2067.3
19°	6198.0	3983.9	2662.3	2086.6	1947.5
20°	6198.0	3891.1	2492.3	1978.4	1858.6
21°	6190.2	3775.2	2299.1	1866.3	1765.9
22.5°	6194.1	3558.8	2078.9	1735.0	1653.8
23°	6182.5	3504.7	2024.8	1700.2	1615.2
24°	6186.4	3350.1	1908.8	1630.6	1549.5
25°	6190.2	3153.1	1796.8	1561.1	1487.7
26°	6182.5	2994.6	1704.1	1495.4	1445.2
27°	6163.2	2867.1	1638.4	1441.3	1394.9
28°	6136.1	2697.1	1568.8	1394.9	1352.4
29°	6109.1	2503.9	1499.3	1344.7	1313.8
30°	6093.6	2349.4	1433.6	1306.1	1279.0
32.5°	6000.9	2044.1	1298.3	1228.8	1205.6
35°	5827.0	1754.3	1201.7	1163.1	1147.6
37.5°	5599.0	1530.2	1128.3	1120.6	1124.4
40°	5224.2	1352.4	1074.2	1109.0	1143.8
42.5°	4776.0	1213.3	1035.6	1120.6	1159.2
45°	4211.8	1109.0	1012.4	1120.6	1159.2
47.5°	3585.9	1024.0	985.3	1081.9	1120.6
50°	2959.9	946.7	931.2	1024.0	1058.8
52.5°	2407.3	873.3	861.7	950.6	985.3
55°	1932.0	792.1	780.5	877.1	911.9
57.5°	1549.5	714.9	703.3	792.1	826.9
60°	1236.5	637.6	618.3	707.1	741.9
62.5°	985.3	564.2	552.6	629.8	660.8
65°	772.8	498.5	490.7	560.3	579.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	610.5	436.6	440.5	498.5	521.6
70°	471.4	378.7	401.9	456.0	471.4
72.5°	355.5	320.7	371.0	417.3	436.6
75°	262.8	270.5	340.0	390.3	409.6
77.5°	181.6	224.1	313.0	367.1	386.4
80°	123.7	181.6	285.9	347.8	371.0
82.5°	73.4	150.7	262.8	328.4	355.5
85°	34.8	123.7	239.6	313.0	336.2
87.5°	11.6	100.5	216.4	297.5	316.9
90°	0.0	85.0	200.9	278.2	289.8
92.5°	0.0	73.4	181.6	255.0	262.8
95°	0.0	61.8	166.2	228.0	239.6
97.5°	0.0	58.0	154.6	204.8	220.3
100°	0.0	54.1	139.1	185.5	200.9
102.5°	0.0	46.4	123.7	166.2	181.6
105°	0.0	46.4	108.2	154.6	166.2
107.5°	3.9	42.5	100.5	139.1	154.6
110°	3.9	42.5	88.9	131.4	143.0
112.5°	3.9	42.5	85.0	119.8	135.2
115°	3.9	38.6	81.1	112.1	119.8
117.5°	3.9	38.6	77.3	100.5	108.2
120°	3.9	34.8	73.4	92.7	96.6
122.5°	3.9	34.8	69.6	85.0	88.9
125°	3.9	34.8	69.6	81.1	85.0
127.5°	3.9	30.9	65.7	77.3	77.3
130°	3.9	30.9	61.8	73.4	73.4
132.5°	3.9	27.0	58.0	69.6	73.4
135°	3.9	27.0	54.1	65.7	69.6
137.5°	3.9	23.2	50.2	61.8	65.7
140°	3.9	23.2	46.4	58.0	61.8
142.5°	3.9	19.3	42.5	54.1	58.0
145°	3.9	19.3	38.6	50.2	54.1
147.5°	3.9	19.3	34.8	46.4	50.2
150°	3.9	15.5	30.9	42.5	46.4
152.5°	3.9	15.5	27.0	38.6	42.5
155°	3.9	11.6	23.2	34.8	38.6
157.5°	3.9	11.6	23.2	30.9	34.8
160°	7.7	11.6	19.3	27.0	30.9
162.5°	3.9	7.7	19.3	23.2	27.0
165°	7.7	7.7	15.5	19.3	23.2
167.5°	7.7	7.7	11.6	15.5	19.3
170°	7.7	7.7	11.6	11.6	15.5
172.5°	7.7	7.7	7.7	11.6	7.7
175°	7.7	7.7	7.7	7.7	3.9
177.5°	7.7	7.7	7.7	7.7	3.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	7.7	7.7	7.7	7.7	7.7

(END OF REPORT)