

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: P568184

Luminaire Tested: **8SNX-SL3-LC-UNV-CC83-CD-4000K-LOW**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568184
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-4000K-LOW
Description: 8FT 12000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 4000K, 80CRI, LOW LUMEN SETTING, AND LC LENS
Light Source: -
Ballast/Driver: -

Summary

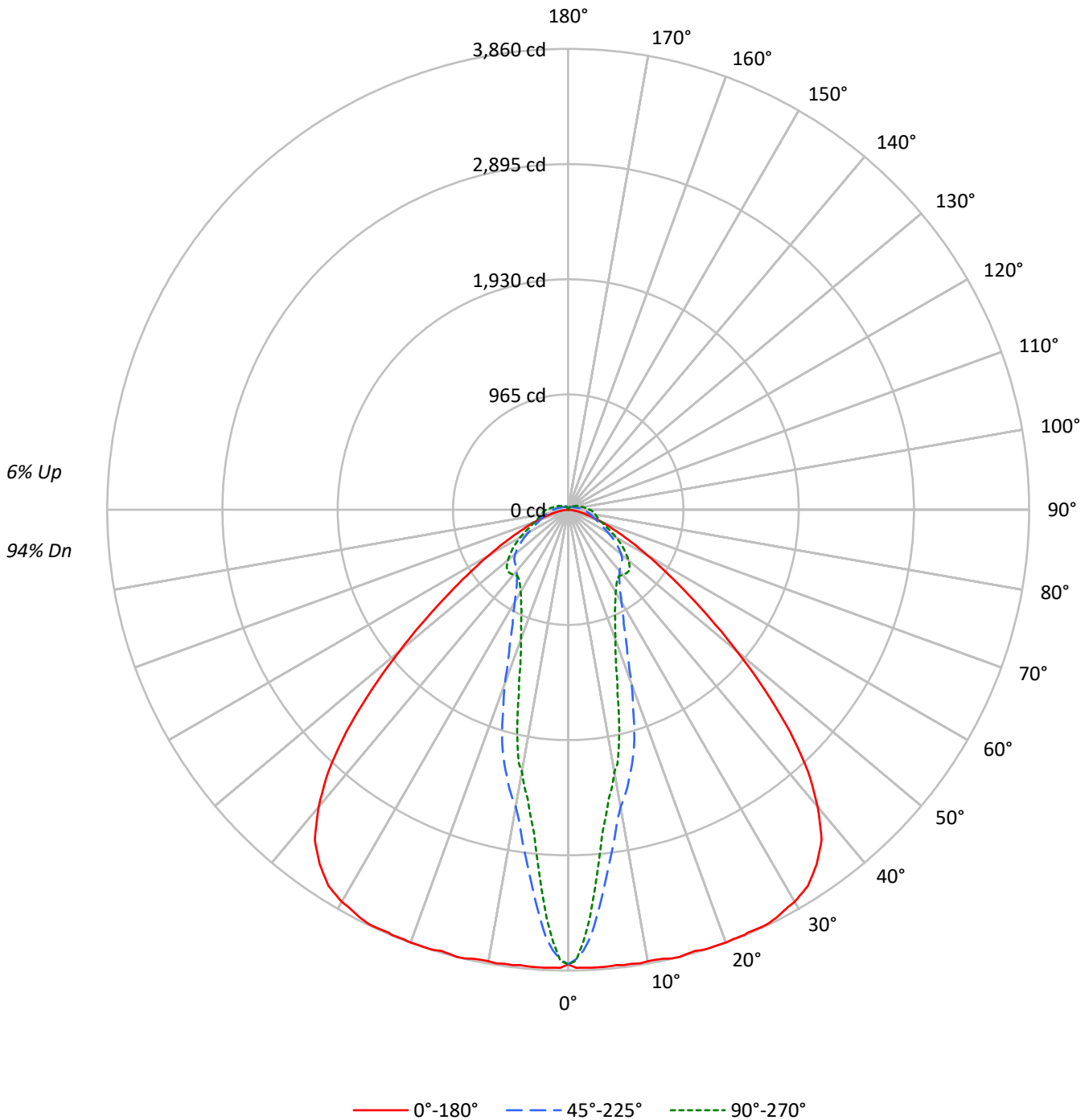
Lumens per Lamp: N/A
Luminaire Lumens: 4693.0 lumens
Efficiency: N/A
Efficacy: 145.4 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Direct

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	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°	20490	20490	20490
5°	20713	16850	15064
10°	20914	12735	10903
15°	21335	10421	7550
20°	21928	7549	5332
25°	22660	5414	4194
30°	23290	4330	3572
35°	23486	3666	3199
40°	22452	3336	3207
45°	19546	3227	3295
50°	15052	3073	3075
55°	10957	2690	2728
60°	7995	2249	2307
65°	5863	1904	1891
70°	4367	1685	1630
75°	3155	1563	1520
80°	2134	1468	1497
85°	1077	1404	1499



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	299.4	6.4
10°-20°	650.2	13.9
20°-30°	744.2	15.9
30°-40°	745.6	15.9
40°-50°	705.8	15.0
50°-60°	541.2	11.5
60°-70°	348.9	7.4
70°-80°	222.5	4.7
80°-90°	147.7	3.1
90°-100°	99.3	2.1
100°-110°	65.4	1.4
110°-120°	45.5	1.0
120°-130°	31.7	0.7
130°-140°	22.0	0.5
140°-150°	13.5	0.3
150°-160°	6.8	0.1
160°-170°	2.6	0.1
170°-180°	0.5	0.0
0°-30°	1693.8	36.1
0°-40°	2439.3	52.0
0°-60°	3686.3	78.6
0°-90°	4405.4	93.9
90°-120°	210.3	4.5
90°-150°	277.6	5.9
90°-180°	288.0	6.1
0°-180°	4693.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3807	3807	3807	3807	3807	
5°	3841	3629	3252	3033	2951	367
15°	3850	2773	2114	1736	1597	1092
25°	3853	1962	1118	972	926	1776
35°	3627	1092	748	724	714	2250
45°	2622	690	630	698	722	1993
55°	1202	493	486	546	568	1106
65°	481	310	305	349	361	495
75°	164	168	212	243	255	180
85°	22	77	149	195	209	30
90°	0	53	125	173	180	1
95°	0	38	103	142	149	0
105°	0	29	67	96	103	2
115°	2	24	50	70	75	2
125°	2	22	43	50	53	2
135°	2	17	34	41	43	2
145°	2	12	24	31	34	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°	3807.2	3807.2	3807.2	3807.2	3807.2
1°	3838.5	3816.8	3766.3	3780.7	3778.3
2°	3838.5	3792.8	3694.2	3665.3	3622.0
3°	3840.9	3751.9	3583.5	3489.7	3429.6
4°	3840.9	3691.7	3420.0	3263.6	3186.7
5°	3840.9	3629.2	3251.6	3032.8	2951.0
6°	3836.0	3554.7	3080.9	2850.0	2727.3
7°	3843.3	3472.9	2926.9	2679.2	2583.0
8°	3840.9	3376.7	2785.0	2549.3	2443.5
9°	3848.1	3282.9	2631.1	2426.7	2347.3
10°	3840.9	3196.3	2530.1	2311.3	2229.5
11°	3840.9	3112.1	2458.0	2236.7	2166.9
12°	3845.7	3015.9	2378.6	2130.9	2034.7
13°	3857.7	2917.3	2287.2	2015.4	1902.4
14°	3860.1	2842.8	2203.0	1868.7	1750.9
15°	3850.5	2773.0	2114.0	1736.4	1597.0
16°	3845.7	2700.9	2008.2	1611.4	1486.3
17°	3855.3	2616.7	1888.0	1483.9	1368.5
18°	3857.7	2539.7	1760.5	1387.7	1286.7
19°	3857.7	2479.6	1657.1	1298.7	1212.1
20°	3857.7	2421.9	1551.3	1231.4	1156.8
21°	3852.9	2349.7	1431.0	1161.6	1099.1
22.5°	3855.3	2215.0	1293.9	1079.9	1029.4
23°	3848.1	2181.4	1260.2	1058.2	1005.3
24°	3850.5	2085.2	1188.1	1014.9	964.4
25°	3852.9	1962.5	1118.3	971.6	925.9
26°	3848.1	1863.9	1060.6	930.8	899.5
27°	3836.0	1784.5	1019.7	897.1	868.2
28°	3819.2	1678.7	976.4	868.2	841.8
29°	3802.4	1558.5	933.2	837.0	817.7
30°	3792.8	1462.3	892.3	812.9	796.1
32.5°	3735.0	1272.3	808.1	764.8	750.4
35°	3626.8	1091.9	748.0	723.9	714.3
37.5°	3484.9	952.4	702.3	697.5	699.9
40°	3251.6	841.8	668.6	690.2	711.9
42.5°	2972.6	755.2	644.6	697.5	721.5
45°	2621.5	690.2	630.1	697.5	721.5
47.5°	2231.9	637.3	613.3	673.4	697.5
50°	1842.3	589.2	579.6	637.3	659.0
52.5°	1498.3	543.5	536.3	591.6	613.3
55°	1202.5	493.0	485.8	545.9	567.6
57.5°	964.4	444.9	437.7	493.0	514.7
60°	769.6	396.8	384.8	440.1	461.8
62.5°	613.3	351.1	343.9	392.0	411.3
65°	481.0	310.3	305.4	348.7	360.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	380.0	271.8	274.2	310.3	324.7
70°	293.4	235.7	250.1	283.8	293.4
72.5°	221.3	199.6	230.9	259.7	271.8
75°	163.5	168.4	211.6	242.9	254.9
77.5°	113.0	139.5	194.8	228.5	240.5
80°	77.0	113.0	178.0	216.5	230.9
82.5°	45.7	93.8	163.5	204.4	221.3
85°	21.6	77.0	149.1	194.8	209.2
87.5°	7.2	62.5	134.7	185.2	197.2
90°	0.0	52.9	125.1	173.2	180.4
92.5°	0.0	45.7	113.0	158.7	163.5
95°	0.0	38.5	103.4	141.9	149.1
97.5°	0.0	36.1	96.2	127.5	137.1
100°	0.0	33.7	86.6	115.4	125.1
102.5°	0.0	28.9	77.0	103.4	113.0
105°	0.0	28.9	67.3	96.2	103.4
107.5°	2.4	26.5	62.5	86.6	96.2
110°	2.4	26.5	55.3	81.8	89.0
112.5°	2.4	26.5	52.9	74.6	84.2
115°	2.4	24.1	50.5	69.7	74.6
117.5°	2.4	24.1	48.1	62.5	67.3
120°	2.4	21.6	45.7	57.7	60.1
122.5°	2.4	21.6	43.3	52.9	55.3
125°	2.4	21.6	43.3	50.5	52.9
127.5°	2.4	19.2	40.9	48.1	48.1
130°	2.4	19.2	38.5	45.7	45.7
132.5°	2.4	16.8	36.1	43.3	45.7
135°	2.4	16.8	33.7	40.9	43.3
137.5°	2.4	14.4	31.3	38.5	40.9
140°	2.4	14.4	28.9	36.1	38.5
142.5°	2.4	12.0	26.5	33.7	36.1
145°	2.4	12.0	24.1	31.3	33.7
147.5°	2.4	12.0	21.6	28.9	31.3
150°	2.4	9.6	19.2	26.5	28.9
152.5°	2.4	9.6	16.8	24.1	26.5
155°	2.4	7.2	14.4	21.6	24.1
157.5°	2.4	7.2	14.4	19.2	21.6
160°	4.8	7.2	12.0	16.8	19.2
162.5°	2.4	4.8	12.0	14.4	16.8
165°	4.8	4.8	9.6	12.0	14.4
167.5°	4.8	4.8	7.2	9.6	12.0
170°	4.8	4.8	7.2	7.2	9.6
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)