

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: P568165

Luminaire Tested: **8SNX-SL3-FDL-UNV-CC83-CD-4000K-HI**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568165
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-15)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-SL3-FDL-UNV-CC83-CD-4000K-HI
Description: 8FT 12000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 4000K, 80CRI, HI LUMEN SETTING, AND FDL LENS
Light Source: -
Ballast/Driver: -

Summary

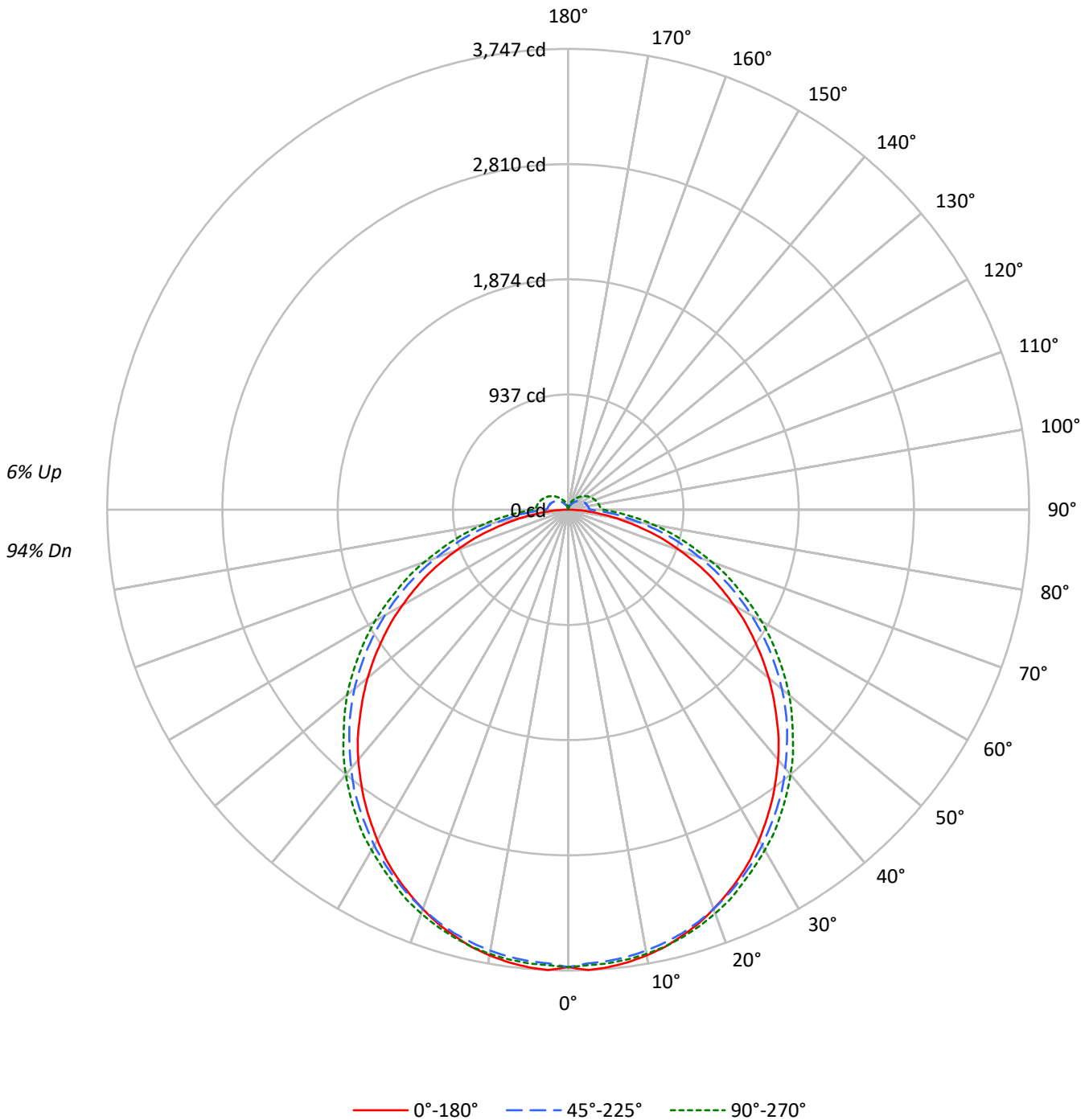
Lumens per Lamp: N/A
Luminaire Lumens: 11820.0 lumens
Efficiency: N/A
Efficacy: 120.9 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.04')
CIE Type: Direct

Input Watts (W): 97.8
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	97	97	97	94
1	107	102	97	93	103	99	95	91	93	90	87	88	86	83	84	82	80	77
2	97	88	81	75	93	86	79	74	81	76	71	77	73	69	73	69	66	64
3	88	77	69	62	85	75	67	61	71	65	59	68	62	57	64	60	56	53
4	80	68	59	52	78	66	58	52	63	56	50	60	54	49	57	52	48	45
5	74	61	52	45	71	59	51	44	56	49	43	54	47	42	51	46	41	39
6	68	55	46	39	66	53	45	39	51	43	38	49	42	37	47	41	36	34
7	63	49	41	34	61	48	40	34	46	39	33	44	38	33	43	37	32	30
8	59	45	36	31	57	44	36	30	42	35	30	41	34	29	39	33	29	27
9	55	41	33	27	53	40	33	27	39	32	27	37	31	26	36	30	26	24
10	51	38	30	25	50	37	30	25	36	29	24	35	28	24	33	28	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	20018	20018	20018
5°	20165	19693	19717
10°	20092	19486	19469
15°	19950	19246	19191
20°	19755	18954	18864
25°	19529	18633	18476
30°	19220	18306	18119
35°	18910	17921	17746
40°	18566	17495	17327
45°	18131	17075	16838
50°	17713	16594	16390
55°	17195	16000	15769
60°	16613	15318	15158
65°	16001	14505	14315
70°	14938	13482	13442
75°	13662	12277	12397
80°	11783	10676	11239
85°	9517	9305	9878



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	352.7	3.0
10°-20°	1012.2	8.6
20°-30°	1534.0	13.0
30°-40°	1851.8	15.7
40°-50°	1933.7	16.4
50°-60°	1776.5	15.0
60°-70°	1404.8	11.9
70°-80°	889.1	7.5
80°-90°	382.2	3.2
90°-100°	168.2	1.4
100°-110°	150.6	1.3
110°-120°	127.2	1.1
120°-130°	99.1	0.8
130°-140°	68.6	0.6
140°-150°	41.2	0.3
150°-160°	20.1	0.2
160°-170°	7.0	0.1
170°-180°	1.0	0.0
0°-30°	2898.9	24.5
0°-40°	4750.7	40.2
0°-60°	8461.0	71.6
0°-90°	11137.1	94.2
90°-120°	445.9	3.8
90°-150°	654.8	5.5
90°-180°	683.0	5.8
0°-180°	11820.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3720	3720	3720	3720	3720	
5°	3734	3724	3684	3715	3703	355
15°	3586	3586	3567	3604	3598	1012
25°	3297	3311	3316	3360	3353	1518
35°	2889	2922	2960	3006	3016	1806
45°	2395	2453	2516	2564	2581	1849
55°	1846	1922	2001	2066	2081	1652
65°	1270	1342	1436	1503	1526	1251
75°	670	749	858	932	967	710
85°	163	251	360	438	465	180
90°	10	90	184	258	285	14
95°	2	77	168	234	260	2
105°	2	71	157	220	243	2
115°	2	61	142	199	220	2
125°	4	54	119	172	190	4
135°	4	42	96	136	153	3
145°	4	31	67	103	113	3
155°	4	21	44	65	77	2
165°	6	15	23	31	44	2
175°	6	8	10	10	6	1
180°	6	6	6	6	6	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3719.5	3719.5	3719.5	3719.5	3719.5
2.5°	3746.7	3734.2	3692.3	3721.6	3707.0
5°	3734.2	3723.7	3683.9	3715.3	3702.8
7.5°	3711.2	3702.8	3667.2	3700.7	3688.1
10°	3679.8	3673.5	3642.1	3675.6	3667.2
12.5°	3640.0	3637.9	3606.5	3644.2	3637.9
15°	3585.6	3585.6	3566.7	3604.4	3598.1
17.5°	3527.0	3529.1	3514.4	3554.2	3550.0
20°	3455.8	3466.3	3455.8	3497.7	3493.5
22.5°	3378.3	3393.0	3388.8	3430.7	3432.8
25°	3296.7	3311.4	3315.6	3359.5	3353.2
27.5°	3206.7	3229.7	3238.1	3277.9	3275.8
30°	3102.1	3133.4	3152.3	3185.8	3196.2
32.5°	2995.3	3033.0	3056.0	3102.1	3114.6
35°	2888.6	2922.0	2959.7	3005.8	3016.2
37.5°	2771.3	2809.0	2859.2	2903.2	2915.8
40°	2654.1	2696.0	2744.1	2792.3	2811.1
42.5°	2532.7	2576.7	2629.0	2685.5	2704.4
45°	2394.6	2453.2	2516.0	2564.1	2580.9
47.5°	2262.7	2327.6	2394.6	2446.9	2465.7
50°	2128.7	2197.8	2269.0	2317.1	2346.4
52.5°	1988.5	2063.8	2135.0	2195.7	2214.6
55°	1846.2	1921.5	2001.1	2065.9	2080.6
57.5°	1708.0	1781.3	1860.8	1921.5	1950.8
60°	1557.3	1636.8	1722.7	1783.4	1814.8
62.5°	1410.8	1488.2	1580.3	1645.2	1670.3
65°	1270.5	1341.7	1435.9	1502.9	1525.9
67.5°	1115.7	1197.3	1287.3	1364.7	1394.0
70°	962.9	1040.3	1142.9	1216.1	1245.4
72.5°	820.5	895.9	998.4	1071.7	1098.9
75°	669.8	749.3	858.2	931.5	967.0
77.5°	525.4	613.3	718.0	797.5	837.3
80°	391.4	468.9	581.9	669.8	705.4
82.5°	265.8	349.6	466.8	548.4	588.2
85°	163.3	251.2	360.0	437.5	464.7
87.5°	77.4	161.2	261.6	337.0	370.5
90°	10.5	90.0	184.2	257.5	284.7
92.5°	2.1	77.4	169.5	238.6	263.7
95°	2.1	77.4	167.5	234.4	259.6
97.5°	2.1	75.4	165.4	232.3	255.4
100°	2.1	73.3	163.3	228.2	253.3
102.5°	2.1	73.3	159.1	224.0	247.0
105°	2.1	71.2	157.0	219.8	242.8
107.5°	2.1	69.1	152.8	215.6	238.6
110°	2.1	64.9	150.7	209.3	232.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.1	62.8	146.5	205.1	226.1
115°	2.1	60.7	142.3	198.8	219.8
117.5°	2.1	58.6	136.1	192.6	213.5
120°	4.2	58.6	131.9	186.3	205.1
122.5°	4.2	56.5	125.6	177.9	196.8
125°	4.2	54.4	119.3	171.6	190.5
127.5°	4.2	52.3	113.0	163.3	180.0
130°	4.2	48.1	108.8	154.9	171.6
132.5°	4.2	46.0	102.6	144.4	161.2
135°	4.2	41.9	96.3	136.1	152.8
137.5°	4.2	39.8	90.0	127.7	142.3
140°	4.2	37.7	81.6	119.3	134.0
142.5°	4.2	33.5	75.4	110.9	123.5
145°	4.2	31.4	67.0	102.6	113.0
147.5°	4.2	27.2	60.7	94.2	104.7
150°	4.2	25.1	54.4	85.8	96.3
152.5°	4.2	23.0	48.1	75.4	85.8
155°	4.2	20.9	44.0	64.9	77.4
157.5°	4.2	18.8	37.7	56.5	69.1
160°	6.3	16.7	33.5	48.1	58.6
162.5°	6.3	14.7	27.2	39.8	52.3
165°	6.3	14.7	23.0	31.4	44.0
167.5°	6.3	12.6	18.8	25.1	35.6
170°	6.3	10.5	16.7	18.8	27.2
172.5°	6.3	8.4	12.6	12.6	14.7
175°	6.3	8.4	10.5	10.5	6.3
177.5°	6.3	6.3	6.3	6.3	4.2
180°	6.3	6.3	6.3	6.3	6.3

(END OF REPORT)