

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: P568171

Luminaire Tested: **8SNX-SL3-FDL-UNV-CC93-CD-3500K-HI**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568171
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-CC93-CD-3500K-HI
Description: 8FT 12000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 3500K, 90CRI, HI LUMEN SETTING, AND FDL LENS
Light Source: -
Ballast/Driver: -

Summary

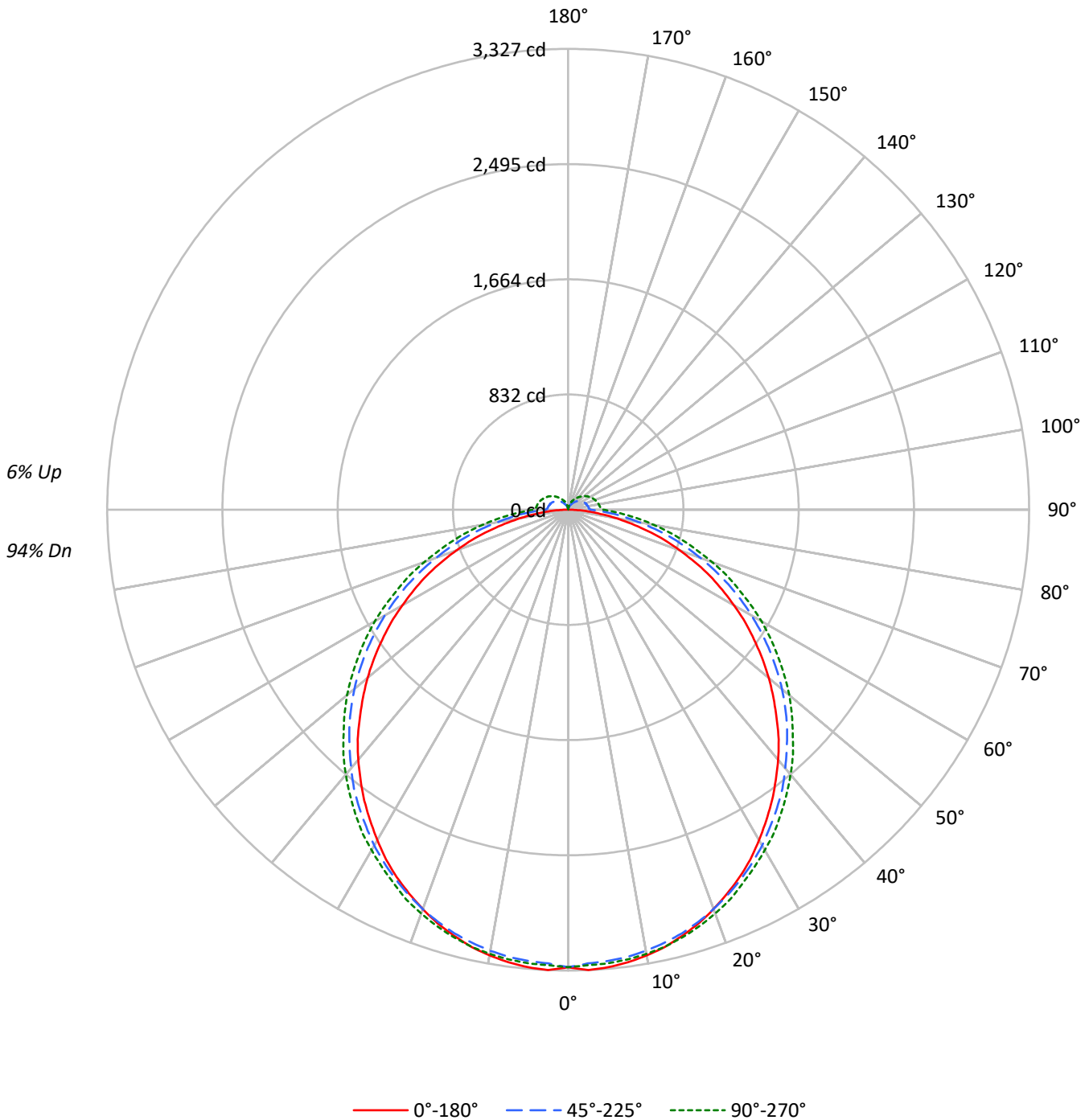
Lumens per Lamp: N/A
Luminaire Lumens: 10496.0 lumens
Efficiency: N/A
Efficacy: 103.5 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.04')
CIE Type: Direct

Input Watts (W): 101.4
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	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°	17776	17776	17776
5°	17906	17487	17508
10°	17841	17303	17288
15°	17715	17090	17041
20°	17542	16831	16751
25°	17342	16546	16407
30°	17067	16255	16090
35°	16791	15913	15758
40°	16486	15535	15386
45°	16100	15162	14951
50°	15730	14735	14555
55°	15269	14207	14002
60°	14752	13602	13460
65°	14209	12881	12712
70°	13264	11971	11936
75°	12133	10902	11009
80°	10464	9480	9981
85°	8451	8263	8770



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	313.2	3.0
10°-20°	898.8	8.6
20°-30°	1362.2	13.0
30°-40°	1644.4	15.7
40°-50°	1717.1	16.4
50°-60°	1577.5	15.0
60°-70°	1247.5	11.9
70°-80°	789.5	7.5
80°-90°	339.4	3.2
90°-100°	149.4	1.4
100°-110°	133.7	1.3
110°-120°	112.9	1.1
120°-130°	88.0	0.8
130°-140°	60.9	0.6
140°-150°	36.6	0.3
150°-160°	17.8	0.2
160°-170°	6.2	0.1
170°-180°	0.9	0.0
0°-30°	2574.2	24.5
0°-40°	4218.6	40.2
0°-60°	7513.2	71.6
0°-90°	9889.6	94.2
90°-120°	396.0	3.8
90°-150°	581.5	5.5
90°-180°	606.0	5.8
0°-180°	10496.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3303	3303	3303	3303	3303	
5°	3316	3307	3271	3299	3288	315
15°	3184	3184	3167	3201	3195	898
25°	2927	2940	2944	2983	2978	1348
35°	2565	2595	2628	2669	2678	1604
45°	2126	2178	2234	2277	2292	1642
55°	1639	1706	1777	1834	1848	1467
65°	1128	1191	1275	1334	1355	1111
75°	595	665	762	827	859	630
85°	145	223	320	388	413	160
90°	9	80	164	229	253	12
95°	2	69	149	208	230	2
105°	2	63	139	195	216	2
115°	2	54	126	177	195	2
125°	4	48	106	152	169	3
135°	4	37	86	121	136	3
145°	4	28	60	91	100	2
155°	4	19	39	58	69	2
165°	6	13	20	28	39	2
175°	6	7	9	9	6	1
180°	6	6	6	6	6	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3302.9	3302.9	3302.9	3302.9	3302.9
2.5°	3327.1	3315.9	3278.7	3304.8	3291.7
5°	3315.9	3306.6	3271.3	3299.2	3288.0
7.5°	3295.5	3288.0	3256.4	3286.2	3275.0
10°	3267.6	3262.0	3234.1	3263.9	3256.4
12.5°	3232.3	3230.4	3202.5	3236.0	3230.4
15°	3183.9	3183.9	3167.2	3200.7	3195.1
17.5°	3131.9	3133.8	3120.7	3156.1	3152.3
20°	3068.7	3078.0	3068.7	3105.9	3102.2
22.5°	2999.9	3012.9	3009.2	3046.4	3048.3
25°	2927.4	2940.4	2944.2	2983.2	2977.6
27.5°	2847.5	2868.0	2875.4	2910.7	2908.9
30°	2754.6	2782.5	2799.2	2828.9	2838.2
32.5°	2659.8	2693.2	2713.7	2754.6	2765.7
35°	2565.0	2594.7	2628.2	2669.1	2678.4
37.5°	2460.9	2494.4	2539.0	2578.0	2589.2
40°	2356.8	2394.0	2436.7	2479.5	2496.2
42.5°	2249.0	2288.0	2334.5	2384.7	2401.4
45°	2126.3	2178.4	2234.1	2276.9	2291.8
47.5°	2009.2	2066.9	2126.3	2172.8	2189.5
50°	1890.3	1951.6	2014.8	2057.6	2083.6
52.5°	1765.8	1832.7	1895.9	1949.8	1966.5
55°	1639.4	1706.3	1776.9	1834.5	1847.5
57.5°	1516.7	1581.7	1652.4	1706.3	1732.3
60°	1382.9	1453.5	1529.7	1583.6	1611.5
62.5°	1252.8	1321.5	1403.3	1460.9	1483.2
65°	1128.2	1191.4	1275.1	1334.5	1355.0
67.5°	990.7	1063.2	1143.1	1211.9	1237.9
70°	855.0	923.8	1014.8	1079.9	1105.9
72.5°	728.6	795.5	886.6	951.6	975.8
75°	594.8	665.4	762.1	827.1	858.7
77.5°	466.5	544.6	637.5	708.2	743.5
80°	347.6	416.3	516.7	594.8	626.4
82.5°	236.1	310.4	414.5	487.0	522.3
85°	145.0	223.0	319.7	388.5	412.6
87.5°	68.8	143.1	232.3	299.2	329.0
90°	9.3	79.9	163.6	228.6	252.8
92.5°	1.9	68.8	150.6	211.9	234.2
95°	1.9	68.8	148.7	208.2	230.5
97.5°	1.9	66.9	146.8	206.3	226.8
100°	1.9	65.1	145.0	202.6	224.9
102.5°	1.9	65.1	141.3	198.9	219.3
105°	1.9	63.2	139.4	195.2	215.6
107.5°	1.9	61.3	135.7	191.4	211.9
110°	1.9	57.6	133.8	185.9	206.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.9	55.8	130.1	182.2	200.7
115°	1.9	53.9	126.4	176.6	195.2
117.5°	1.9	52.0	120.8	171.0	189.6
120°	3.7	52.0	117.1	165.4	182.2
122.5°	3.7	50.2	111.5	158.0	174.7
125°	3.7	48.3	105.9	152.4	169.1
127.5°	3.7	46.5	100.4	145.0	159.8
130°	3.7	42.7	96.7	137.5	152.4
132.5°	3.7	40.9	91.1	128.2	143.1
135°	3.7	37.2	85.5	120.8	135.7
137.5°	3.7	35.3	79.9	113.4	126.4
140°	3.7	33.5	72.5	105.9	119.0
142.5°	3.7	29.7	66.9	98.5	109.7
145°	3.7	27.9	59.5	91.1	100.4
147.5°	3.7	24.2	53.9	83.6	92.9
150°	3.7	22.3	48.3	76.2	85.5
152.5°	3.7	20.4	42.7	66.9	76.2
155°	3.7	18.6	39.0	57.6	68.8
157.5°	3.7	16.7	33.5	50.2	61.3
160°	5.6	14.9	29.7	42.7	52.0
162.5°	5.6	13.0	24.2	35.3	46.5
165°	5.6	13.0	20.4	27.9	39.0
167.5°	5.6	11.2	16.7	22.3	31.6
170°	5.6	9.3	14.9	16.7	24.2
172.5°	5.6	7.4	11.2	11.2	13.0
175°	5.6	7.4	9.3	9.3	5.6
177.5°	5.6	5.6	5.6	5.6	3.7
180°	5.6	5.6	5.6	5.6	5.6

(END OF REPORT)