

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: P567671

Luminaire Tested: **8SNX-186HL-SLW-UNV-L935-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567671  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SNX-186HL-SLW-UNV-L935-CD  
Description: 8FT 18600 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND SLW LENS  
Light Source: -  
Ballast/Driver: -

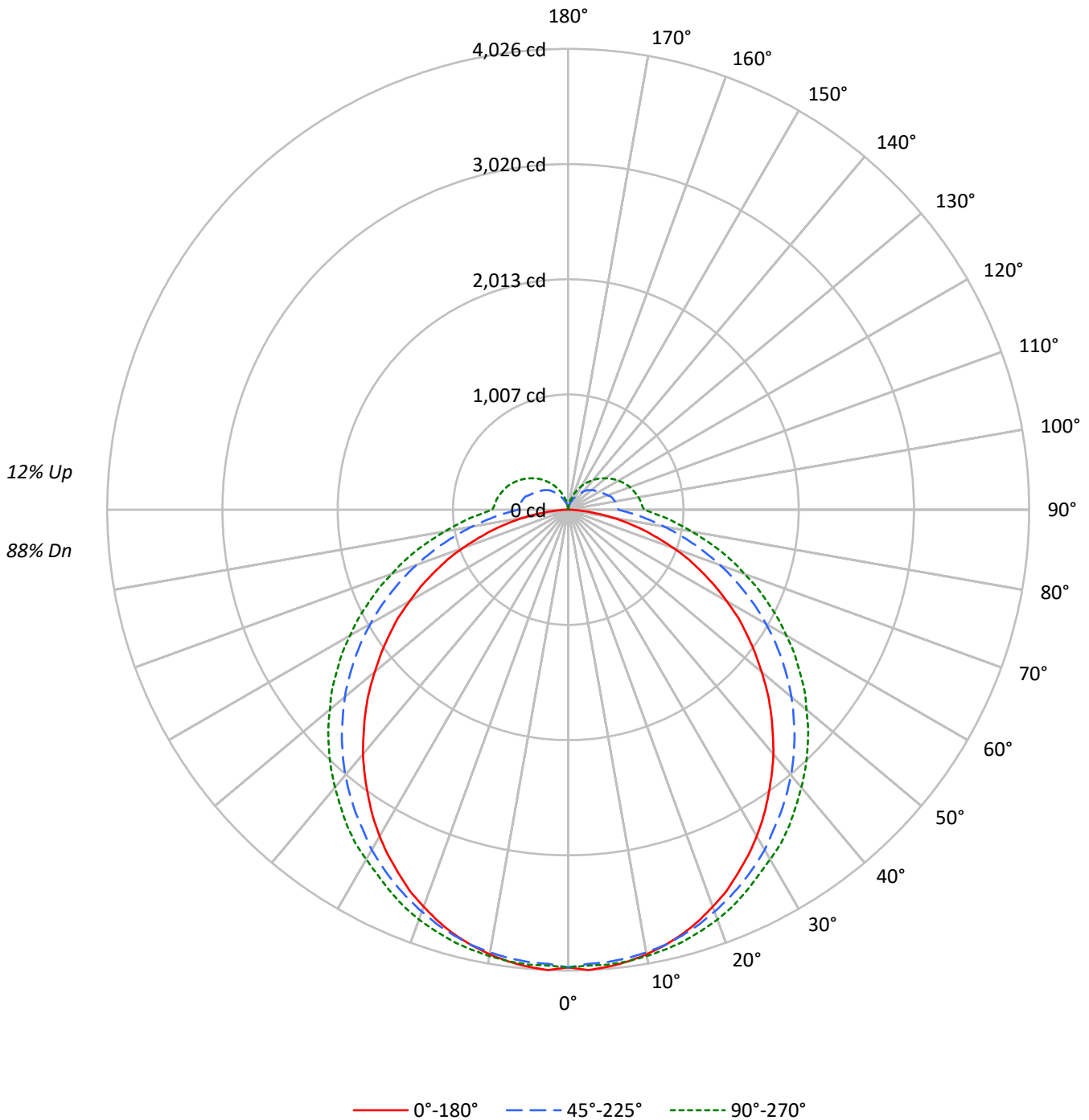
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14396.0 lumens  
Efficiency: N/A  
Efficacy: 106.8 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.08')  
CIE Type: Semi-Direct  
  
Input Watts (W): 134.8  
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	116	116	116	116	112	112	112	112	105	105	105	98	98	98	91	91	91	88
1	105	99	95	90	101	96	92	88	89	86	83	84	81	78	78	76	74	71
2	95	86	79	72	91	83	76	71	77	72	67	72	68	64	68	64	61	58
3	86	75	66	60	82	72	65	58	68	61	56	63	58	53	59	55	51	48
4	78	66	57	50	75	64	56	49	60	53	47	56	50	45	53	48	43	41
5	72	59	50	43	69	57	48	42	54	46	41	50	44	39	47	42	38	35
6	66	53	44	37	64	51	43	37	48	41	35	45	39	34	43	37	33	31
7	61	48	39	33	59	46	38	32	44	36	31	41	35	30	39	33	29	27
8	57	43	35	29	55	42	34	29	40	33	28	38	31	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	27	23	21
10	50	37	29	23	48	36	28	23	34	27	22	32	26	22	31	25	21	19

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	21521	21521	21521
5°	21636	20985	20941
10°	21517	20583	20440
15°	21341	20148	19968
20°	21057	19671	19475
25°	20717	19192	18914
30°	20346	18711	18397
35°	19876	18170	17952
40°	19420	17678	17407
45°	18868	17131	16890
50°	18228	16548	16298
55°	17619	15865	15707
60°	16918	15125	15028
65°	16062	14280	14304
70°	14974	13326	13471
75°	13425	12226	12707
80°	11258	11141	11741
85°	8165	10183	11112



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	379.6	2.6
10°-20°	1092.0	7.6
20°-30°	1661.2	11.5
30°-40°	2019.9	14.0
40°-50°	2136.9	14.8
50°-60°	2003.1	13.9
60°-70°	1647.9	11.4
70°-80°	1140.2	7.9
80°-90°	634.0	4.4
90°-100°	417.7	2.9
100°-110°	374.6	2.6
110°-120°	310.0	2.2
120°-130°	239.7	1.7
130°-140°	169.7	1.2
140°-150°	102.3	0.7
150°-160°	49.2	0.3
160°-170°	16.1	0.1
170°-180°	2.0	0.0
0°-30°	3132.8	21.8
0°-40°	5152.6	35.8
0°-60°	9292.7	64.6
0°-90°	12714.8	88.3
90°-120°	1102.3	7.7
90°-150°	1614.0	11.2
90°-180°	1681.0	11.7
0°-180°	14396.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3999	3999	3999	3999	3999	
5°	4008	4001	3967	3999	3989	381
15°	3841	3853	3851	3902	3902	1083
25°	3506	3555	3597	3676	3678	1616
35°	3047	3128	3234	3338	3368	1907
45°	2505	2635	2796	2921	2956	1931
55°	1906	2076	2275	2418	2468	1706
65°	1289	1474	1704	1871	1923	1278
75°	671	865	1119	1297	1368	711
85°	148	367	621	794	863	170
90°	2	207	439	604	663	10
95°	2	197	426	584	641	2
105°	2	170	399	550	599	3
115°	5	148	338	488	542	4
125°	5	126	288	417	468	4
135°	5	99	242	343	385	4
145°	5	72	168	259	291	3
155°	7	49	104	165	192	3
165°	7	32	57	76	99	2
175°	7	12	17	17	10	1
180°	5	5	5	5	5	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3998.7	3998.7	3998.7	3998.7	3998.7
2.5°	4025.8	4013.4	3971.5	3998.7	3986.3
5°	4008.5	4001.1	3966.6	3998.7	3988.8
7.5°	3981.4	3978.9	3951.8	3988.8	3978.9
10°	3944.4	3949.3	3927.2	3966.6	3959.2
12.5°	3897.6	3905.0	3895.1	3939.5	3934.6
15°	3840.9	3853.2	3850.7	3902.5	3902.5
17.5°	3771.8	3789.1	3799.0	3858.1	3858.1
20°	3690.5	3717.6	3737.3	3801.4	3811.3
22.5°	3609.1	3641.2	3670.8	3737.3	3752.1
25°	3505.6	3554.9	3596.8	3675.7	3678.2
27.5°	3404.5	3458.8	3515.5	3591.9	3599.3
30°	3293.6	3362.6	3431.6	3505.6	3527.8
32.5°	3175.3	3251.7	3328.1	3426.7	3456.3
35°	3047.1	3128.4	3234.4	3338.0	3367.5
37.5°	2918.9	3010.1	3133.3	3239.4	3266.5
40°	2788.2	2889.3	3027.3	3135.8	3167.9
42.5°	2642.8	2766.0	2913.9	3029.8	3066.8
45°	2504.7	2635.4	2795.6	2921.3	2955.8
47.5°	2359.3	2497.3	2669.9	2803.0	2842.4
50°	2203.9	2361.7	2546.6	2679.7	2716.7
52.5°	2058.5	2218.7	2413.5	2551.5	2603.3
55°	1905.6	2075.7	2275.4	2418.4	2467.7
57.5°	1762.7	1925.4	2139.8	2282.8	2344.5
60°	1600.0	1779.9	1994.4	2149.7	2199.0
62.5°	1447.1	1629.5	1851.4	2011.7	2068.4
65°	1289.3	1474.2	1703.5	1871.1	1922.9
67.5°	1141.4	1323.8	1558.0	1723.2	1789.8
70°	978.7	1171.0	1410.1	1580.2	1636.9
72.5°	818.5	1018.2	1262.2	1444.6	1508.7
75°	670.6	865.3	1119.2	1296.7	1368.2
77.5°	527.6	724.8	981.2	1163.6	1225.2
80°	384.6	591.7	853.0	1032.9	1092.1
82.5°	253.9	470.9	729.7	909.7	973.8
85°	147.9	367.3	621.2	793.8	862.8
87.5°	64.1	278.6	520.2	690.3	747.0
90°	2.5	207.1	438.8	604.0	663.2
92.5°	2.5	202.2	429.0	591.7	648.4
95°	2.5	197.2	426.5	584.3	641.0
97.5°	2.5	194.8	421.6	579.3	633.6
100°	2.5	187.4	414.2	569.5	623.7
102.5°	2.5	177.5	406.8	559.6	611.4
105°	2.5	170.1	399.4	549.8	599.1
107.5°	2.5	162.7	387.0	537.4	586.7
110°	2.5	155.3	367.3	525.1	574.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	2.5	152.8	352.5	507.8	559.6
115°	4.9	147.9	337.7	488.1	542.4
117.5°	4.9	145.5	325.4	468.4	525.1
120°	4.9	138.1	313.1	451.1	505.4
122.5°	4.9	130.7	300.8	433.9	488.1
125°	4.9	125.7	288.4	416.6	468.4
127.5°	4.9	118.3	278.6	399.4	446.2
130°	4.9	113.4	266.2	379.7	426.5
132.5°	4.9	106.0	253.9	359.9	404.3
135°	4.9	98.6	241.6	342.7	384.6
137.5°	4.9	88.7	226.8	322.9	362.4
140°	4.9	81.4	207.1	303.2	340.2
142.5°	4.9	76.4	187.4	281.0	315.6
145°	4.9	71.5	167.6	258.9	290.9
147.5°	4.9	66.6	150.4	236.7	266.2
150°	4.9	59.2	133.1	216.9	241.6
152.5°	7.4	54.2	118.3	192.3	216.9
155°	7.4	49.3	103.5	165.2	192.3
157.5°	7.4	44.4	88.7	138.1	167.6
160°	7.4	39.4	76.4	113.4	143.0
162.5°	7.4	37.0	66.6	93.7	120.8
165°	7.4	32.0	56.7	76.4	98.6
167.5°	7.4	24.7	46.8	59.2	81.4
170°	7.4	19.7	37.0	41.9	61.6
172.5°	7.4	14.8	27.1	29.6	32.0
175°	7.4	12.3	17.3	17.3	9.9
177.5°	7.4	9.9	9.9	9.9	4.9
180°	4.9	4.9	4.9	4.9	4.9

(END OF REPORT)