

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: P567667

Luminaire Tested: **8SNX-186HL-SLW-UNV-L835-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567667  
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-L835-CD  
Description: 8FT 18600 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND SLW LENS  
Light Source: -  
Ballast/Driver: -

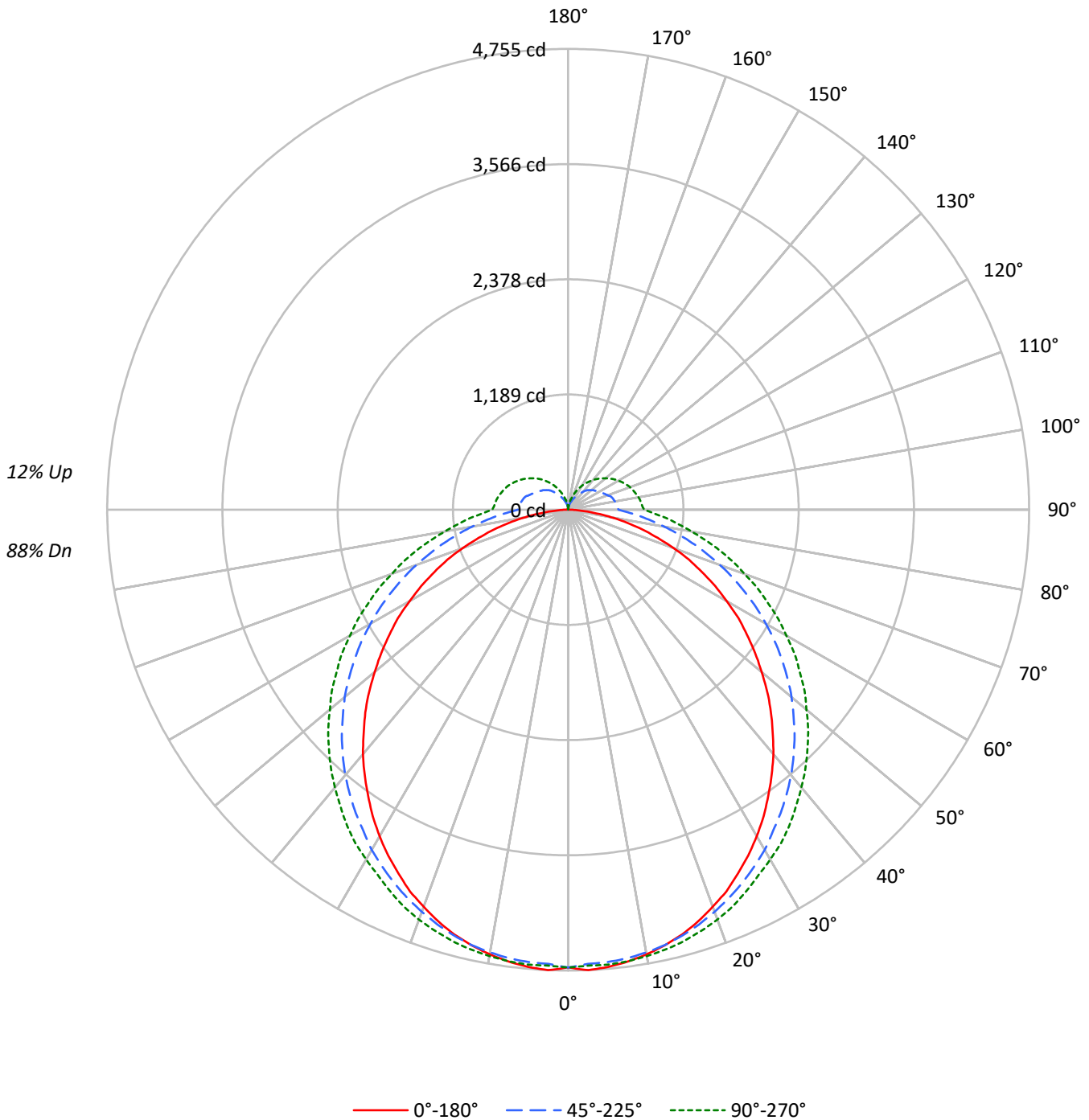
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 17005.0 lumens  
Efficiency: N/A  
Efficacy: 126.1 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°	25421	25421	25421
5°	25558	24788	24737
10°	25416	24314	24145
15°	25209	23800	23587
20°	24873	23237	23005
25°	24472	22671	22342
30°	24034	22102	21731
35°	23477	21464	21205
40°	22939	20882	20562
45°	22287	20236	19951
50°	21532	19547	19252
55°	20813	18741	18554
60°	19984	17866	17751
65°	18973	16868	16896
70°	17688	15741	15912
75°	15857	14443	15010
80°	13298	13160	13869
85°	9644	12028	13126



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	448.4	2.6
10°-20°	1289.9	7.6
20°-30°	1962.3	11.5
30°-40°	2385.9	14.0
40°-50°	2524.2	14.8
50°-60°	2366.1	13.9
60°-70°	1946.5	11.4
70°-80°	1346.9	7.9
80°-90°	748.9	4.4
90°-100°	493.4	2.9
100°-110°	442.4	2.6
110°-120°	366.2	2.2
120°-130°	283.1	1.7
130°-140°	200.4	1.2
140°-150°	120.9	0.7
150°-160°	58.1	0.3
160°-170°	19.0	0.1
170°-180°	2.3	0.0
0°-30°	3700.6	21.8
0°-40°	6086.5	35.8
0°-60°	10976.8	64.6
0°-90°	15019.2	88.3
90°-120°	1302.1	7.7
90°-150°	1906.5	11.2
90°-180°	1986.0	11.7
0°-180°	17005.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4723	4723	4723	4723	4723	
5°	4735	4726	4686	4723	4712	449
15°	4537	4552	4549	4610	4610	1279
25°	4141	4199	4249	4342	4345	1909
35°	3599	3695	3821	3943	3978	2253
45°	2959	3113	3302	3451	3492	2280
55°	2251	2452	2688	2857	2915	2015
65°	1523	1741	2012	2210	2271	1510
75°	792	1022	1322	1532	1616	840
85°	175	434	734	938	1019	201
90°	3	245	518	714	783	12
95°	3	233	504	690	757	2
105°	3	201	472	649	708	3
115°	6	175	399	577	641	5
125°	6	148	341	492	553	5
135°	6	116	285	405	454	4
145°	6	84	198	306	344	4
155°	9	58	122	195	227	4
165°	9	38	67	90	116	2
175°	9	15	20	20	12	1
180°	6	6	6	6	6	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4723.3	4723.3	4723.3	4723.3	4723.3
2.5°	4755.4	4740.8	4691.3	4723.3	4708.8
5°	4735.0	4726.2	4685.5	4723.3	4711.7
7.5°	4702.9	4700.0	4668.0	4711.7	4700.0
10°	4659.3	4665.1	4638.9	4685.5	4676.7
12.5°	4603.9	4612.7	4601.0	4653.4	4647.6
15°	4537.0	4551.5	4548.6	4609.8	4609.8
17.5°	4455.4	4475.8	4487.5	4557.3	4557.3
20°	4359.3	4391.4	4414.7	4490.4	4502.0
22.5°	4263.2	4301.1	4336.0	4414.7	4432.1
25°	4140.9	4199.2	4248.7	4341.9	4344.8
27.5°	4021.5	4085.6	4152.6	4242.8	4251.6
30°	3890.5	3972.0	4053.6	4140.9	4167.1
32.5°	3750.7	3841.0	3931.3	4047.7	4082.7
35°	3599.3	3695.4	3820.6	3942.9	3977.8
37.5°	3447.9	3555.6	3701.2	3826.4	3858.5
40°	3293.5	3412.9	3576.0	3704.1	3742.0
42.5°	3121.7	3267.3	3442.0	3578.9	3622.6
45°	2958.6	3113.0	3302.3	3450.8	3491.5
47.5°	2786.8	2949.9	3153.7	3311.0	3357.6
50°	2603.4	2789.7	3008.1	3165.4	3209.1
52.5°	2431.6	2620.8	2850.9	3014.0	3075.1
55°	2251.0	2451.9	2687.8	2856.7	2915.0
57.5°	2082.1	2274.3	2527.7	2696.6	2769.4
60°	1889.9	2102.5	2355.8	2539.3	2597.5
62.5°	1709.4	1924.9	2186.9	2376.2	2443.2
65°	1523.0	1741.4	2012.2	2210.2	2271.4
67.5°	1348.3	1563.8	1840.4	2035.5	2114.1
70°	1156.1	1383.2	1665.7	1866.6	1933.6
72.5°	966.8	1202.7	1491.0	1706.5	1782.2
75°	792.1	1022.1	1322.1	1531.7	1616.2
77.5°	623.2	856.1	1159.0	1374.5	1447.3
80°	454.3	698.9	1007.6	1220.1	1290.0
82.5°	299.9	556.2	862.0	1074.5	1150.3
85°	174.7	433.9	733.8	937.7	1019.2
87.5°	75.7	329.1	614.4	815.4	882.3
90°	2.9	244.6	518.3	713.5	783.3
92.5°	2.9	238.8	506.7	698.9	765.9
95°	2.9	233.0	503.8	690.2	757.1
97.5°	2.9	230.1	498.0	684.3	748.4
100°	2.9	221.3	489.2	672.7	736.7
102.5°	2.9	209.7	480.5	661.0	722.2
105°	2.9	200.9	471.8	649.4	707.6
107.5°	2.9	192.2	457.2	634.8	693.1
110°	2.9	183.5	433.9	620.3	678.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	2.9	180.5	416.4	599.9	661.0
115°	5.8	174.7	398.9	576.6	640.6
117.5°	5.8	171.8	384.4	553.3	620.3
120°	5.8	163.1	369.8	532.9	597.0
122.5°	5.8	154.3	355.3	512.5	576.6
125°	5.8	148.5	340.7	492.1	553.3
127.5°	5.8	139.8	329.1	471.8	527.1
130°	5.8	134.0	314.5	448.5	503.8
132.5°	5.8	125.2	299.9	425.2	477.6
135°	5.8	116.5	285.4	404.8	454.3
137.5°	5.8	104.8	267.9	381.5	428.1
140°	5.8	96.1	244.6	358.2	401.9
142.5°	5.8	90.3	221.3	332.0	372.7
145°	5.8	84.4	198.0	305.8	343.6
147.5°	5.8	78.6	177.6	279.6	314.5
150°	5.8	69.9	157.3	256.3	285.4
152.5°	8.7	64.1	139.8	227.1	256.3
155°	8.7	58.2	122.3	195.1	227.1
157.5°	8.7	52.4	104.8	163.1	198.0
160°	8.7	46.6	90.3	134.0	168.9
162.5°	8.7	43.7	78.6	110.7	142.7
165°	8.7	37.9	67.0	90.3	116.5
167.5°	8.7	29.1	55.3	69.9	96.1
170°	8.7	23.3	43.7	49.5	72.8
172.5°	8.7	17.5	32.0	34.9	37.9
175°	8.7	14.6	20.4	20.4	11.6
177.5°	8.7	11.6	11.6	11.6	5.8
180°	5.8	5.8	5.8	5.8	5.8

(END OF REPORT)