

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: P567670

Luminaire Tested: **8SNX-186HL-SLW-UNV-L930-CD**

Issue Date: 9/15/2022



**Test Information**

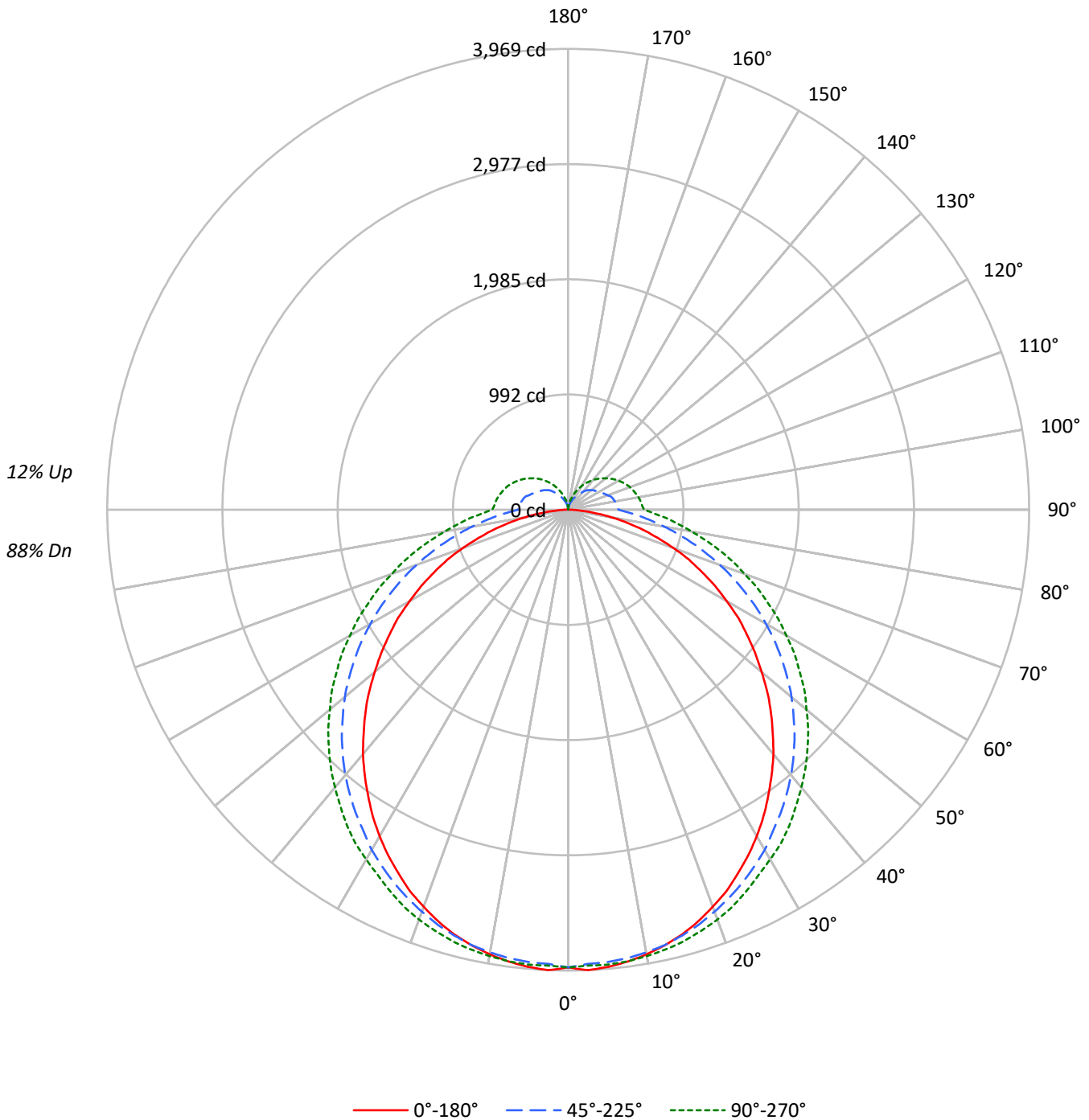
Test Method: LM-79-08  
Report Number: P567670  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SNX-186HL-SLW-UNV-L930-CD  
Description: 8FT 18600 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND SLW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14193.0 lumens  
Efficiency: N/A  
Efficacy: 105.3 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 (A<sub>in</sub>): 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°	21217	21217	21217
5°	21331	20689	20646
10°	21213	20293	20152
15°	21040	19864	19686
20°	20761	19394	19200
25°	20425	18922	18647
30°	20059	18447	18138
35°	19595	17914	17699
40°	19146	17429	17162
45°	18602	16889	16652
50°	17971	16315	16068
55°	17372	15641	15486
60°	16679	14912	14816
65°	15836	14079	14102
70°	14763	13137	13281
75°	13235	12054	12527
80°	11100	10984	11576
85°	8049	10040	10956



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	374.3	2.6
10°-20°	1076.6	7.6
20°-30°	1637.8	11.5
30°-40°	1991.4	14.0
40°-50°	2106.8	14.8
50°-60°	1974.9	13.9
60°-70°	1624.7	11.4
70°-80°	1124.1	7.9
80°-90°	625.1	4.4
90°-100°	411.8	2.9
100°-110°	369.3	2.6
110°-120°	305.7	2.2
120°-130°	236.3	1.7
130°-140°	167.3	1.2
140°-150°	100.9	0.7
150°-160°	48.5	0.3
160°-170°	15.9	0.1
170°-180°	1.9	0.0
0°-30°	3088.6	21.8
0°-40°	5080.0	35.8
0°-60°	9161.7	64.6
0°-90°	12535.5	88.3
90°-120°	1086.7	7.7
90°-150°	1591.2	11.2
90°-180°	1657.0	11.7
0°-180°	14193.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3942	3942	3942	3942	3942	
5°	3952	3945	3911	3942	3932	375
15°	3787	3799	3796	3848	3848	1067
25°	3456	3505	3546	3624	3626	1593
35°	3004	3084	3189	3291	3320	1880
45°	2469	2598	2756	2880	2914	1903
55°	1879	2046	2243	2384	2433	1682
65°	1271	1453	1680	1845	1896	1260
75°	661	853	1103	1278	1349	701
85°	146	362	612	783	851	168
90°	2	204	433	596	654	10
95°	2	194	420	576	632	2
105°	2	168	394	542	591	3
115°	5	146	333	481	535	4
125°	5	124	284	411	462	4
135°	5	97	238	338	379	4
145°	5	70	165	255	287	3
155°	7	49	102	163	190	3
165°	7	32	56	75	97	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°	3942.3	3942.3	3942.3	3942.3	3942.3
2.5°	3969.0	3956.8	3915.5	3942.3	3930.1
5°	3952.0	3944.7	3910.7	3942.3	3932.5
7.5°	3925.3	3922.8	3896.1	3932.5	3922.8
10°	3888.8	3893.7	3871.8	3910.7	3903.4
12.5°	3842.6	3849.9	3840.2	3883.9	3879.1
15°	3786.7	3798.9	3796.4	3847.5	3847.5
17.5°	3718.7	3735.7	3745.4	3803.7	3803.7
20°	3638.5	3665.2	3684.6	3747.8	3757.5
22.5°	3558.2	3589.8	3619.0	3684.6	3699.2
25°	3456.2	3504.8	3546.1	3623.9	3626.3
27.5°	3356.5	3410.0	3465.9	3541.2	3548.5
30°	3247.1	3315.2	3383.3	3456.2	3478.0
32.5°	3130.5	3205.8	3281.2	3378.4	3407.6
35°	3004.1	3084.3	3188.8	3290.9	3320.1
37.5°	2877.7	2967.6	3089.2	3193.7	3220.4
40°	2748.9	2848.5	2984.7	3091.6	3123.2
42.5°	2605.5	2727.0	2872.8	2987.1	3023.5
45°	2469.4	2598.2	2756.2	2880.1	2914.2
47.5°	2326.0	2462.1	2632.2	2763.5	2802.4
50°	2172.9	2328.4	2510.7	2642.0	2678.4
52.5°	2029.5	2187.4	2379.5	2515.6	2566.6
55°	1878.8	2046.5	2243.3	2384.3	2432.9
57.5°	1737.8	1898.2	2109.7	2250.6	2311.4
60°	1577.4	1754.8	1966.3	2119.4	2168.0
62.5°	1426.7	1606.6	1825.3	1983.3	2039.2
65°	1271.2	1453.4	1679.5	1844.7	1895.8
67.5°	1125.3	1305.2	1536.1	1698.9	1764.5
70°	964.9	1154.5	1390.2	1557.9	1613.9
72.5°	806.9	1003.8	1244.4	1424.3	1487.5
75°	661.1	853.1	1103.4	1278.4	1348.9
77.5°	520.1	714.6	967.3	1147.2	1208.0
80°	379.2	583.3	841.0	1018.4	1076.7
82.5°	250.3	464.2	719.4	896.9	960.0
85°	145.8	362.1	612.5	782.6	850.7
87.5°	63.2	274.6	512.8	680.5	736.4
90°	2.4	204.2	432.6	595.5	653.8
92.5°	2.4	199.3	422.9	583.3	639.2
95°	2.4	194.4	420.5	576.0	631.9
97.5°	2.4	192.0	415.6	571.2	624.6
100°	2.4	184.7	408.3	561.4	614.9
102.5°	2.4	175.0	401.0	551.7	602.8
105°	2.4	167.7	393.7	542.0	590.6
107.5°	2.4	160.4	381.6	529.8	578.5
110°	2.4	153.1	362.1	517.7	566.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	2.4	150.7	347.6	500.7	551.7
115°	4.9	145.8	333.0	481.2	534.7
117.5°	4.9	143.4	320.8	461.8	517.7
120°	4.9	136.1	308.7	444.8	498.3
122.5°	4.9	128.8	296.5	427.8	481.2
125°	4.9	124.0	284.4	410.8	461.8
127.5°	4.9	116.7	274.6	393.7	439.9
130°	4.9	111.8	262.5	374.3	420.5
132.5°	4.9	104.5	250.3	354.9	398.6
135°	4.9	97.2	238.2	337.8	379.2
137.5°	4.9	87.5	223.6	318.4	357.3
140°	4.9	80.2	204.2	299.0	335.4
142.5°	4.9	75.3	184.7	277.1	311.1
145°	4.9	70.5	165.3	255.2	286.8
147.5°	4.9	65.6	148.3	233.3	262.5
150°	4.9	58.3	131.2	213.9	238.2
152.5°	7.3	53.5	116.7	189.6	213.9
155°	7.3	48.6	102.1	162.8	189.6
157.5°	7.3	43.7	87.5	136.1	165.3
160°	7.3	38.9	75.3	111.8	141.0
162.5°	7.3	36.5	65.6	92.4	119.1
165°	7.3	31.6	55.9	75.3	97.2
167.5°	7.3	24.3	46.2	58.3	80.2
170°	7.3	19.4	36.5	41.3	60.8
172.5°	7.3	14.6	26.7	29.2	31.6
175°	7.3	12.2	17.0	17.0	9.7
177.5°	7.3	9.7	9.7	9.7	4.9
180°	4.9	4.9	4.9	4.9	4.9

(END OF REPORT)