

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: P567672

Luminaire Tested: **8SNX-186HL-SLW-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567672
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-L940-CD
Description: 8FT 18600 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

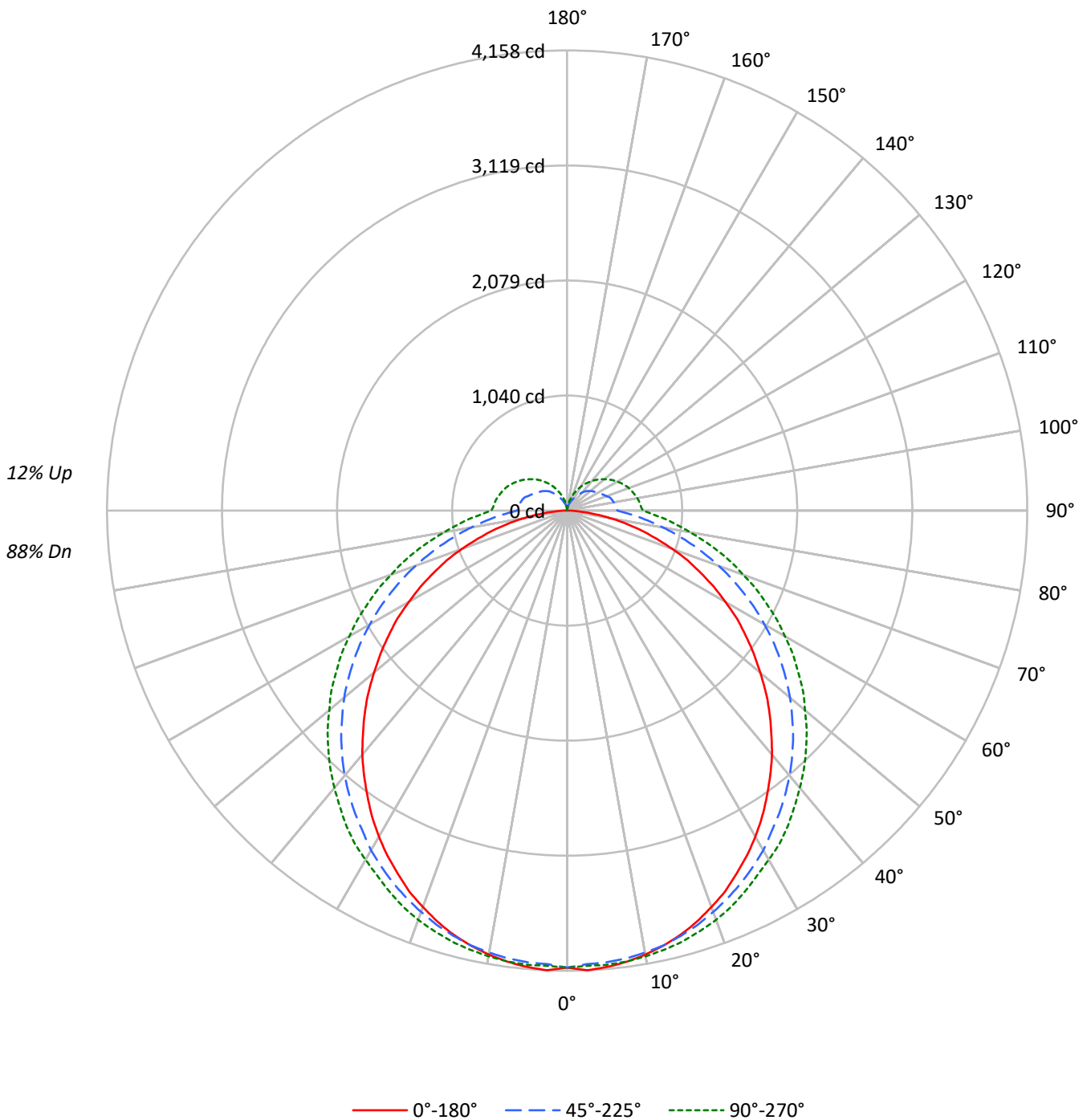
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14868.0 lumens
Efficiency: N/A
Efficacy: 110.3 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 (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°	22226	22226	22226
5°	22346	21673	21628
10°	22222	21258	21110
15°	22041	20809	20623
20°	21748	20317	20114
25°	21396	19821	19534
30°	21014	19325	19001
35°	20527	18766	18541
40°	20056	18258	17978
45°	19487	17693	17444
50°	18825	17090	16833
55°	18197	16385	16222
60°	17472	15621	15521
65°	16589	14748	14772
70°	15465	13763	13912
75°	13863	12627	13124
80°	11627	11505	12126
85°	8435	10517	11476



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	392.1	2.6
10°-20°	1127.8	7.6
20°-30°	1715.7	11.5
30°-40°	2086.1	14.0
40°-50°	2207.0	14.8
50°-60°	2068.8	13.9
60°-70°	1701.9	11.4
70°-80°	1177.6	7.9
80°-90°	654.8	4.4
90°-100°	431.4	2.9
100°-110°	386.8	2.6
110°-120°	320.2	2.2
120°-130°	247.5	1.7
130°-140°	175.2	1.2
140°-150°	105.7	0.7
150°-160°	50.8	0.3
160°-170°	16.6	0.1
170°-180°	2.0	0.0
0°-30°	3235.5	21.8
0°-40°	5321.6	35.8
0°-60°	9597.4	64.6
0°-90°	13131.7	88.3
90°-120°	1138.4	7.7
90°-150°	1666.8	11.2
90°-180°	1736.0	11.7
0°-180°	14868.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4130	4130	4130	4130	4130	
5°	4140	4132	4097	4130	4120	393
15°	3967	3980	3977	4030	4030	1118
25°	3620	3672	3715	3796	3799	1669
35°	3147	3231	3340	3447	3478	1970
45°	2587	2722	2887	3017	3053	1994
55°	1968	2144	2350	2498	2549	1762
65°	1332	1523	1759	1932	1986	1320
75°	692	894	1156	1339	1413	735
85°	153	379	642	820	891	176
90°	2	214	453	624	685	10
95°	2	204	440	603	662	2
105°	2	176	412	568	619	3
115°	5	153	349	504	560	4
125°	5	130	298	430	484	5
135°	5	102	250	354	397	4
145°	5	74	173	267	300	3
155°	8	51	107	171	199	3
165°	8	33	59	79	102	2
175°	8	13	18	18	10	1
180°	5	5	5	5	5	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4129.8	4129.8	4129.8	4129.8	4129.8
2.5°	4157.8	4145.0	4101.7	4129.8	4117.0
5°	4139.9	4132.3	4096.7	4129.8	4119.6
7.5°	4111.9	4109.4	4081.4	4119.6	4109.4
10°	4073.7	4078.8	4055.9	4096.7	4089.0
12.5°	4025.4	4033.0	4022.8	4068.6	4063.6
15°	3966.8	3979.5	3977.0	4030.5	4030.5
17.5°	3895.5	3913.3	3923.5	3984.6	3984.6
20°	3811.5	3839.5	3859.9	3926.1	3936.3
22.5°	3727.5	3760.6	3791.1	3859.9	3875.1
25°	3620.5	3671.5	3714.7	3796.2	3798.8
27.5°	3516.1	3572.2	3630.7	3709.7	3717.3
30°	3401.6	3472.9	3544.2	3620.5	3643.5
32.5°	3279.4	3358.3	3437.2	3539.1	3569.6
35°	3147.0	3231.0	3340.5	3447.4	3478.0
37.5°	3014.6	3108.8	3236.1	3345.6	3373.6
40°	2879.6	2984.0	3126.6	3238.6	3271.7
42.5°	2729.4	2856.7	3009.5	3129.1	3167.3
45°	2586.8	2721.8	2887.3	3017.1	3052.8
47.5°	2436.6	2579.2	2757.4	2894.9	2935.6
50°	2276.2	2439.2	2630.1	2767.6	2805.8
52.5°	2126.0	2291.5	2492.6	2635.2	2688.7
55°	1968.1	2143.8	2350.0	2497.7	2548.6
57.5°	1820.5	1988.5	2210.0	2357.7	2421.3
60°	1652.4	1838.3	2059.8	2220.2	2271.1
62.5°	1494.6	1683.0	1912.1	2077.6	2136.2
65°	1331.6	1522.6	1759.3	1932.5	1985.9
67.5°	1178.8	1367.2	1609.1	1779.7	1848.5
70°	1010.8	1209.4	1456.4	1632.0	1690.6
72.5°	845.3	1051.5	1303.6	1492.0	1558.2
75°	692.5	893.7	1155.9	1339.2	1413.1
77.5°	544.9	748.6	1013.3	1201.8	1265.4
80°	397.2	611.1	880.9	1066.8	1127.9
82.5°	262.2	486.3	753.6	939.5	1005.7
85°	152.8	379.4	641.6	819.8	891.1
87.5°	66.2	287.7	537.2	712.9	771.5
90°	2.5	213.9	453.2	623.8	684.9
92.5°	2.5	208.8	443.0	611.1	669.6
95°	2.5	203.7	440.5	603.4	662.0
97.5°	2.5	201.1	435.4	598.3	654.3
100°	2.5	193.5	427.7	588.1	644.2
102.5°	2.5	183.3	420.1	578.0	631.4
105°	2.5	175.7	412.5	567.8	618.7
107.5°	2.5	168.0	399.7	555.0	606.0
110°	2.5	160.4	379.4	542.3	593.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.5	157.9	364.1	524.5	578.0
115°	5.1	152.8	348.8	504.1	560.1
117.5°	5.1	150.2	336.1	483.8	542.3
120°	5.1	142.6	323.4	465.9	521.9
122.5°	5.1	134.9	310.6	448.1	504.1
125°	5.1	129.9	297.9	430.3	483.8
127.5°	5.1	122.2	287.7	412.5	460.8
130°	5.1	117.1	275.0	392.1	440.5
132.5°	5.1	109.5	262.2	371.7	417.6
135°	5.1	101.8	249.5	353.9	397.2
137.5°	5.1	91.7	234.2	333.5	374.3
140°	5.1	84.0	213.9	313.2	351.4
142.5°	5.1	78.9	193.5	290.3	325.9
145°	5.1	73.8	173.1	267.3	300.4
147.5°	5.1	68.7	155.3	244.4	275.0
150°	5.1	61.1	137.5	224.1	249.5
152.5°	7.6	56.0	122.2	198.6	224.1
155°	7.6	50.9	106.9	170.6	198.6
157.5°	7.6	45.8	91.7	142.6	173.1
160°	7.6	40.7	78.9	117.1	147.7
162.5°	7.6	38.2	68.7	96.8	124.8
165°	7.6	33.1	58.6	78.9	101.8
167.5°	7.6	25.5	48.4	61.1	84.0
170°	7.6	20.4	38.2	43.3	63.7
172.5°	7.6	15.3	28.0	30.6	33.1
175°	7.6	12.7	17.8	17.8	10.2
177.5°	7.6	10.2	10.2	10.2	5.1
180°	5.1	5.1	5.1	5.1	5.1

(END OF REPORT)