

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: P567662

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567662
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-LW-UNV-L930-CD
Description: 8FT 18600 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

Summary

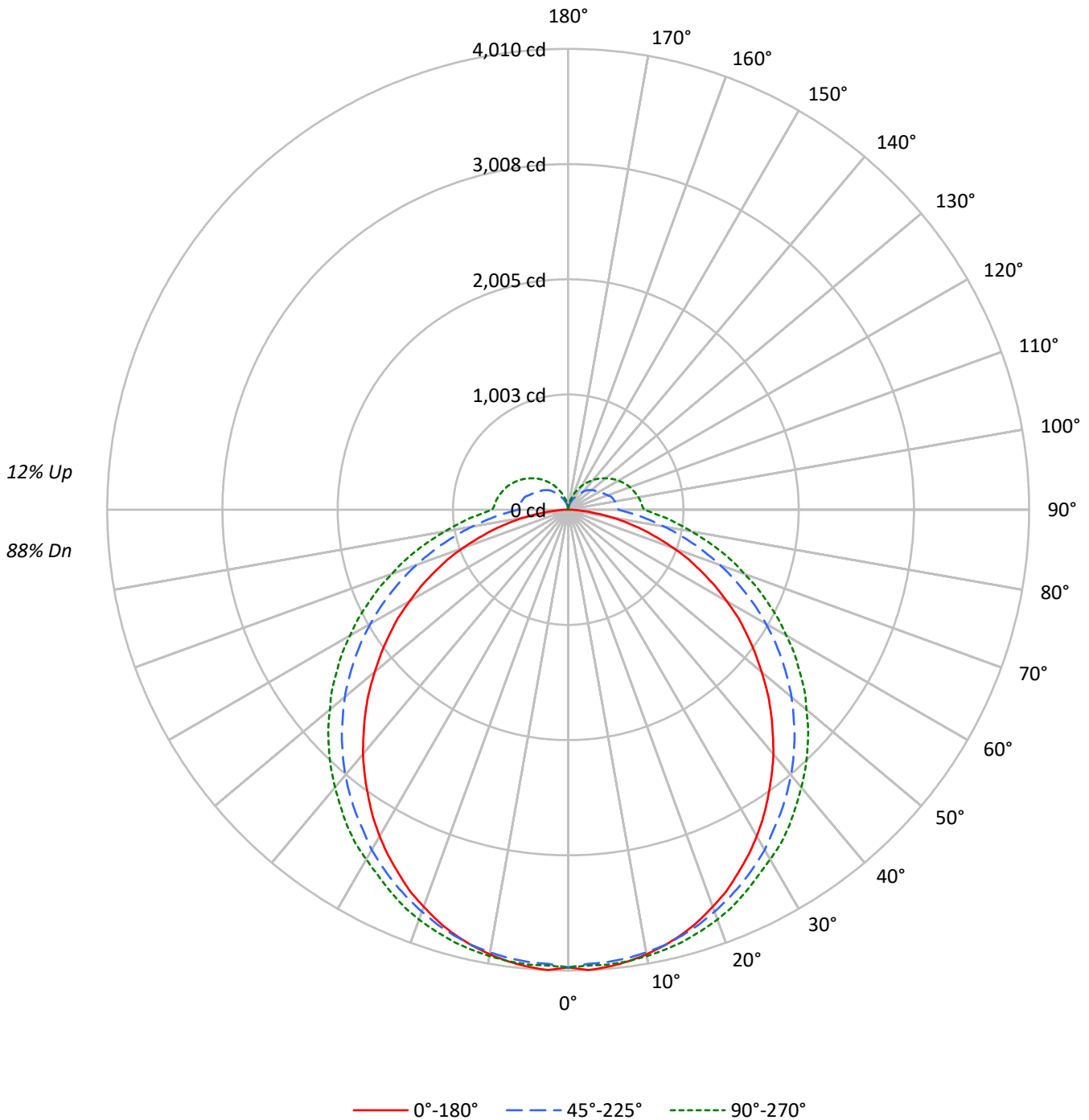
Lumens per Lamp: N/A
Luminaire Lumens: 14339.0 lumens
Efficiency: N/A
Efficacy: 106.4 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 134.8
Input Voltage (V): NR
Input Current (A_{in}): 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°	21435	21435	21435
5°	21531	20474	20281
10°	21392	19689	19284
15°	21198	18908	18376
20°	20895	18115	17497
25°	20535	17343	16596
30°	20145	16587	15768
35°	19654	15791	15024
40°	19176	15047	14216
45°	18601	14261	13445
50°	17935	13447	12626
55°	17296	12552	11815
60°	16556	11608	10942
65°	15655	10579	10039
70°	14509	9462	9061
75°	12887	8237	8124
80°	10619	7009	7052
85°	7346	5828	6156



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	378.1	2.6
10°-20°	1087.7	7.6
20°-30°	1654.6	11.5
30°-40°	2011.9	14.0
40°-50°	2128.5	14.8
50°-60°	1995.2	13.9
60°-70°	1641.4	11.4
70°-80°	1135.7	7.9
80°-90°	631.5	4.4
90°-100°	416.1	2.9
100°-110°	373.1	2.6
110°-120°	308.8	2.2
120°-130°	238.7	1.7
130°-140°	169.0	1.2
140°-150°	101.9	0.7
150°-160°	49.0	0.3
160°-170°	16.0	0.1
170°-180°	2.0	0.0
0°-30°	3120.4	21.8
0°-40°	5132.2	35.8
0°-60°	9255.9	64.6
0°-90°	12664.5	88.3
90°-120°	1097.9	7.7
90°-150°	1607.6	11.2
90°-180°	1675.0	11.7
0°-180°	14339.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3983	3983	3983	3983	3983	
5°	3993	3985	3951	3983	3973	379
15°	3826	3838	3836	3887	3887	1078
25°	3492	3541	3583	3661	3664	1609
35°	3035	3116	3222	3325	3354	1899
45°	2495	2625	2784	2910	2944	1923
55°	1898	2068	2266	2409	2458	1699
65°	1284	1468	1697	1864	1915	1273
75°	668	862	1115	1292	1363	709
85°	147	366	619	791	859	170
90°	2	206	437	602	660	10
95°	2	196	425	582	638	2
105°	2	169	398	548	597	3
115°	5	147	336	486	540	4
125°	5	125	287	415	466	4
135°	5	98	241	341	383	4
145°	5	71	167	258	290	3
155°	7	49	103	164	192	3
165°	7	32	56	76	98	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°	3982.8	3982.8	3982.8	3982.8	3982.8
2.5°	4009.8	3997.6	3955.8	3982.8	3970.5
5°	3992.6	3985.3	3950.9	3982.8	3973.0
7.5°	3965.6	3963.2	3936.2	3973.0	3963.2
10°	3928.8	3933.7	3911.6	3950.9	3943.5
12.5°	3882.1	3889.5	3879.7	3923.9	3919.0
15°	3825.7	3837.9	3835.5	3887.1	3887.1
17.5°	3756.9	3774.1	3783.9	3842.9	3842.9
20°	3675.9	3702.9	3722.5	3786.4	3796.2
22.5°	3594.9	3626.8	3656.2	3722.5	3737.3
25°	3491.7	3540.8	3582.6	3661.1	3663.6
27.5°	3391.0	3445.1	3501.5	3577.7	3585.0
30°	3280.5	3349.3	3418.1	3491.7	3513.8
32.5°	3162.7	3238.8	3314.9	3413.1	3442.6
35°	3035.0	3116.0	3221.6	3324.7	3354.2
37.5°	2907.3	2998.2	3120.9	3226.5	3253.5
40°	2777.2	2877.8	3015.4	3123.4	3155.3
42.5°	2632.3	2755.1	2902.4	3017.8	3054.6
45°	2494.8	2624.9	2784.5	2909.8	2944.1
47.5°	2349.9	2487.4	2659.3	2791.9	2831.2
50°	2195.2	2352.4	2536.5	2669.1	2706.0
52.5°	2050.3	2209.9	2403.9	2541.4	2593.0
55°	1898.1	2067.5	2266.4	2408.8	2458.0
57.5°	1755.7	1917.7	2131.4	2273.8	2335.2
60°	1593.6	1772.9	1986.5	2141.2	2190.3
62.5°	1441.4	1623.1	1844.1	2003.7	2060.2
65°	1284.2	1468.4	1696.7	1863.7	1915.3
67.5°	1136.9	1318.6	1551.9	1716.4	1782.7
70°	974.8	1166.4	1404.5	1574.0	1630.5
72.5°	815.2	1014.1	1257.2	1438.9	1502.8
75°	667.9	861.9	1114.8	1291.6	1362.8
77.5°	525.5	721.9	977.3	1159.0	1220.4
80°	383.1	589.3	849.6	1028.9	1087.8
82.5°	252.9	469.0	726.8	906.1	969.9
85°	147.3	365.9	618.8	790.7	859.4
87.5°	63.8	277.5	518.1	687.5	744.0
90°	2.5	206.3	437.1	601.6	660.5
92.5°	2.5	201.4	427.3	589.3	645.8
95°	2.5	196.4	424.8	582.0	638.4
97.5°	2.5	194.0	419.9	577.0	631.1
100°	2.5	186.6	412.5	567.2	621.2
102.5°	2.5	176.8	405.2	557.4	609.0
105°	2.5	169.4	397.8	547.6	596.7
107.5°	2.5	162.1	385.5	535.3	584.4
110°	2.5	154.7	365.9	523.0	572.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.5	152.2	351.1	505.8	557.4
115°	4.9	147.3	336.4	486.2	540.2
117.5°	4.9	144.9	324.1	466.5	523.0
120°	4.9	137.5	311.8	449.4	503.4
122.5°	4.9	130.1	299.6	432.2	486.2
125°	4.9	125.2	287.3	415.0	466.5
127.5°	4.9	117.9	277.5	397.8	444.4
130°	4.9	113.0	265.2	378.1	424.8
132.5°	4.9	105.6	252.9	358.5	402.7
135°	4.9	98.2	240.6	341.3	383.1
137.5°	4.9	88.4	225.9	321.7	361.0
140°	4.9	81.0	206.3	302.0	338.9
142.5°	4.9	76.1	186.6	279.9	314.3
145°	4.9	71.2	167.0	257.8	289.7
147.5°	4.9	66.3	149.8	235.7	265.2
150°	4.9	58.9	132.6	216.1	240.6
152.5°	7.4	54.0	117.9	191.5	216.1
155°	7.4	49.1	103.1	164.5	191.5
157.5°	7.4	44.2	88.4	137.5	167.0
160°	7.4	39.3	76.1	113.0	142.4
162.5°	7.4	36.8	66.3	93.3	120.3
165°	7.4	31.9	56.5	76.1	98.2
167.5°	7.4	24.6	46.7	58.9	81.0
170°	7.4	19.6	36.8	41.7	61.4
172.5°	7.4	14.7	27.0	29.5	31.9
175°	7.4	12.3	17.2	17.2	9.8
177.5°	7.4	9.8	9.8	9.8	4.9
180°	4.9	4.9	4.9	4.9	4.9

(END OF REPORT)