

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: P567649

Luminaire Tested: **8SNX-186HL-LC-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567649
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2205-663-3)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-186HL-LC-UNV-L950-CD
Description: 8FT 18600 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

Summary

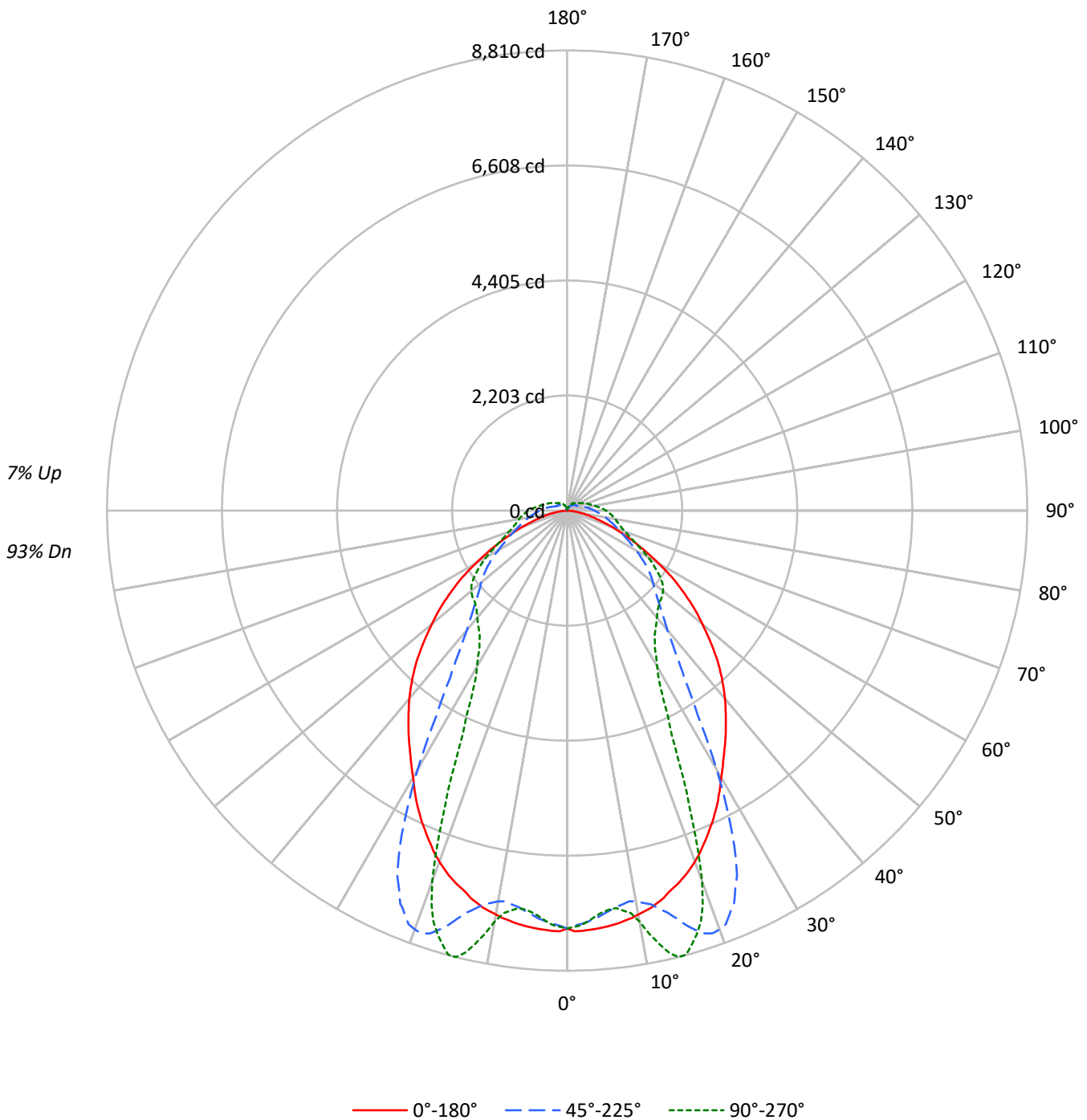
Lumens per Lamp: N/A
Luminaire Lumens: 17782.0 lumens
Efficiency: N/A
Efficacy: 131.9 lumens/watt
Spacing Criteria (0/90/45): 1.12 / 0.89 / 1.01
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Direct

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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93
1	107	103	99	95	104	100	96	93	94	91	89	89	87	85	85	83	81	78
2	99	91	84	79	95	88	83	78	84	79	75	80	76	72	76	72	69	67
3	91	81	73	67	88	79	72	66	75	69	64	71	66	62	68	64	60	58
4	84	73	64	58	81	71	63	57	68	61	56	64	59	54	62	57	53	51
5	78	66	57	51	75	64	56	51	61	55	49	59	53	48	56	51	47	45
6	72	60	51	45	70	58	51	45	56	49	44	54	48	43	52	46	42	40
7	67	55	46	41	65	54	46	40	51	45	40	49	43	39	48	42	38	36
8	63	50	42	37	61	49	42	36	47	41	36	46	40	35	44	39	35	33
9	59	46	39	34	57	46	38	33	44	37	33	42	36	32	41	36	32	30
10	56	43	36	31	54	42	35	30	41	34	30	40	34	30	38	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	43061	43061	43061
5°	43191	40238	39416
10°	42752	38251	39086
15°	41835	39831	41610
20°	40649	41525	34825
25°	38689	37260	21413
30°	36228	27759	15497
35°	34231	19163	13073
40°	32450	14875	12048
45°	30364	12667	11394
50°	27615	11370	11185
55°	24715	10284	10349
60°	20957	8900	8951
65°	17044	7753	7471
70°	13376	6969	6578
75°	10373	6479	6134
80°	7301	6137	6072
85°	4060	5855	6029



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	744.5	4.2
10°-20°	2275.0	12.8
20°-30°	3063.3	17.2
30°-40°	2899.1	16.3
40°-50°	2558.9	14.4
50°-60°	2078.3	11.7
60°-70°	1413.5	7.9
70°-80°	909.5	5.1
80°-90°	604.8	3.4
90°-100°	415.6	2.3
100°-110°	279.0	1.6
110°-120°	196.8	1.1
120°-130°	140.6	0.8
130°-140°	99.2	0.6
140°-150°	61.6	0.3
150°-160°	30.0	0.2
160°-170°	10.5	0.1
170°-180°	1.8	0.0
0°-30°	6082.8	34.2
0°-40°	8981.8	50.5
0°-60°	13619.0	76.6
0°-90°	16546.8	93.1
90°-120°	891.4	5.0
90°-150°	1192.8	6.7
90°-180°	1235.0	6.9
0°-180°	17782.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8001	8001	8001	8001	8001	
5°	8009	7936	7765	7759	7721	760
15°	7550	7502	8080	8794	8802	2129
25°	6578	7800	7697	5590	4727	3019
35°	5286	7417	3910	3011	2919	3308
45°	4072	4990	2473	2444	2495	3127
55°	2712	2951	1857	2074	2153	2422
65°	1398	1591	1244	1382	1425	1404
75°	538	752	877	983	1029	585
85°	81	320	622	787	842	107
90°	3	223	519	698	744	5
95°	3	171	437	592	633	2
105°	5	120	288	404	453	5
115°	5	103	212	301	339	6
125°	8	87	182	228	244	8
135°	11	68	149	190	201	8
145°	11	49	106	147	160	7
155°	14	30	65	98	111	6
165°	14	19	35	49	60	4
175°	16	16	16	16	14	2
180°	14	14	14	14	14	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8001.0	8001.0	8001.0	8001.0	8001.0
1°	8055.3	8030.9	7949.4	7992.9	7971.2
2°	8052.6	8011.9	7919.6	7968.4	7941.3
3°	8039.0	7995.6	7876.1	7906.0	7865.3
4°	8025.5	7973.9	7830.0	7830.0	7783.8
5°	8009.2	7935.9	7764.8	7759.4	7721.4
6°	7990.2	7906.0	7707.8	7702.4	7680.7
7°	7963.0	7854.4	7645.4	7683.4	7667.1
8°	7930.4	7805.5	7612.8	7707.8	7732.2
9°	7900.6	7745.8	7574.8	7783.8	7802.8
10°	7851.7	7691.5	7599.2	7935.9	7992.9
11°	7811.0	7645.4	7653.5	8085.2	8256.2
12°	7770.3	7596.5	7705.1	8272.5	8481.6
13°	7702.4	7558.5	7819.1	8476.1	8690.6
14°	7642.6	7528.6	7930.4	8682.5	8810.1
15°	7550.3	7501.5	8079.8	8793.8	8801.9
16°	7487.9	7482.5	8253.5	8801.9	8649.9
17°	7417.3	7474.3	8394.7	8660.8	8481.6
18°	7338.6	7490.6	8511.4	8484.3	8278.0
19°	7249.0	7506.9	8560.3	8239.9	7973.9
20°	7151.2	7531.3	8533.2	7984.7	7555.8
21°	7053.5	7563.9	8481.6	7716.0	7007.3
22.5°	6871.6	7642.6	8237.2	6961.2	6100.5
23°	6820.0	7658.9	8180.2	6725.0	5864.3
24°	6692.4	7726.8	7919.6	6173.8	5239.9
25°	6578.4	7800.1	7696.9	5590.1	4726.8
26°	6450.8	7854.4	7360.3	5052.6	4411.8
27°	6325.9	7887.0	6977.5	4634.5	4058.9
28°	6182.0	7922.3	6562.1	4273.4	3792.8
29°	6046.2	7927.7	6152.1	3985.6	3583.8
30°	5899.6	7900.6	5720.4	3754.8	3453.4
32.5°	5579.3	7751.2	4664.3	3315.0	3127.6
35°	5286.1	7417.3	3909.6	3010.9	2918.6
37.5°	4990.1	6890.6	3380.1	2820.9	2791.0
40°	4699.6	6266.2	2981.0	2668.8	2674.2
42.5°	4392.8	5622.7	2706.8	2543.9	2568.4
45°	4072.5	4990.1	2473.3	2443.5	2495.1
47.5°	3716.8	4411.8	2288.7	2378.3	2457.1
50°	3380.1	3839.0	2144.8	2315.9	2397.3
52.5°	3059.8	3369.3	2014.5	2210.0	2305.0
55°	2712.3	2951.2	1857.0	2074.2	2153.0
57.5°	2381.0	2573.8	1691.4	1905.9	1976.5
60°	2017.2	2201.8	1523.1	1724.0	1791.9
62.5°	1688.7	1884.2	1379.2	1542.1	1596.4
65°	1398.2	1591.0	1243.5	1381.9	1425.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	1140.3	1346.6	1132.1	1248.9	1289.6
70°	898.7	1115.9	1034.4	1140.3	1183.7
72.5°	703.2	923.1	953.0	1050.7	1094.1
75°	537.6	752.0	876.9	982.8	1029.0
77.5°	399.1	613.6	806.3	928.5	977.4
80°	263.4	488.7	743.9	879.7	936.7
82.5°	165.6	393.7	681.5	830.8	890.5
85°	81.4	320.4	621.7	787.3	841.6
87.5°	27.1	266.1	567.4	743.9	790.1
90°	2.7	222.6	518.6	697.7	743.9
92.5°	2.7	192.8	477.8	643.4	689.6
95°	2.7	171.0	437.1	591.9	632.6
97.5°	2.7	154.8	399.1	537.6	581.0
100°	2.7	138.5	358.4	486.0	532.1
102.5°	5.4	127.6	323.1	442.5	491.4
105°	5.4	119.5	287.8	404.5	453.4
107.5°	5.4	114.0	257.9	374.7	420.8
110°	5.4	108.6	236.2	347.5	396.4
112.5°	5.4	105.9	222.6	323.1	369.2
115°	5.4	103.2	211.8	301.4	339.4
117.5°	8.1	100.5	203.6	279.6	309.5
120°	8.1	95.0	198.2	260.6	285.1
122.5°	8.1	89.6	190.0	244.3	263.4
125°	8.1	86.9	181.9	228.1	244.3
127.5°	8.1	81.4	173.8	214.5	230.8
130°	10.9	76.0	165.6	203.6	217.2
132.5°	10.9	70.6	157.5	198.2	209.1
135°	10.9	67.9	149.3	190.0	200.9
137.5°	10.9	62.4	141.2	181.9	192.8
140°	10.9	57.0	130.3	171.0	181.9
142.5°	10.9	54.3	119.5	160.2	171.0
145°	10.9	48.9	105.9	146.6	160.2
147.5°	13.6	46.2	95.0	135.7	146.6
150°	13.6	40.7	84.2	124.9	135.7
152.5°	13.6	35.3	73.3	111.3	122.2
155°	13.6	29.9	65.2	97.7	111.3
157.5°	13.6	27.1	57.0	81.4	97.7
160°	13.6	24.4	48.9	70.6	84.2
162.5°	13.6	21.7	43.4	59.7	73.3
165°	13.6	19.0	35.3	48.9	59.7
167.5°	16.3	19.0	29.9	38.0	48.9
170°	16.3	19.0	24.4	29.9	38.0
172.5°	16.3	16.3	19.0	21.7	24.4
175°	16.3	16.3	16.3	16.3	13.6
177.5°	16.3	16.3	16.3	13.6	13.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	13.6	13.6	13.6	13.6	13.6

(END OF REPORT)