

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: P567641

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567641
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-FDL-UNV-L950-CD
Description: 8FT 18600 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

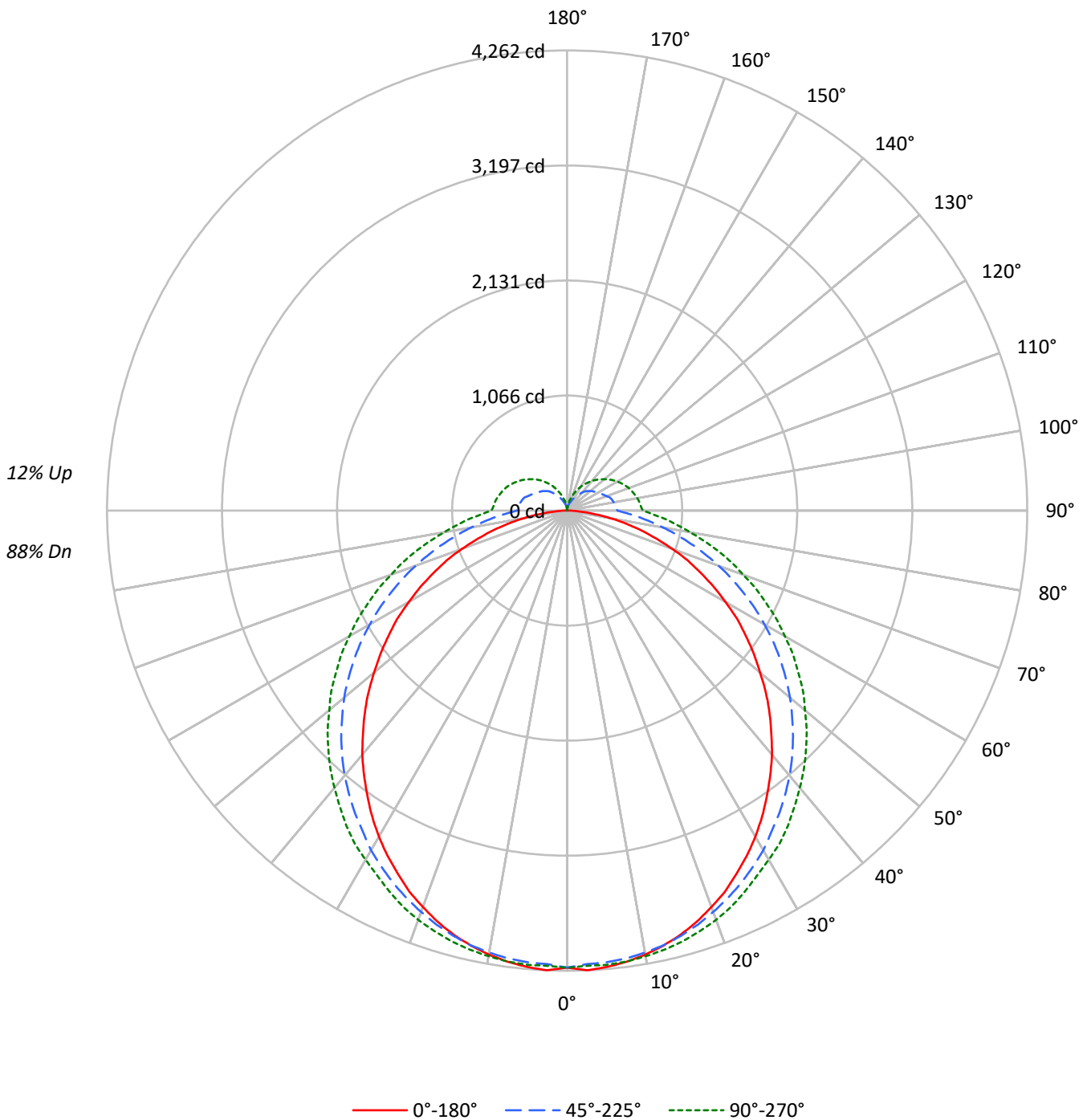
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15239.0 lumens
Efficiency: N/A
Efficacy: 113.0 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: 0.04')
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°	22781	22781	22781
5°	22914	22446	22484
10°	22798	22242	22250
15°	22622	21996	22033
20°	22332	21699	21785
25°	21983	21397	21454
30°	21602	21095	21170
35°	21115	20731	20973
40°	20646	20431	20669
45°	20076	20083	20413
50°	19413	19715	20088
55°	18788	19259	19798
60°	18067	18773	19443
65°	17188	18216	19096
70°	16072	17609	18703
75°	14478	16949	18567
80°	12255	16566	18420
85°	9127	16997	19416



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	401.8	2.6
10°-20°	1155.9	7.6
20°-30°	1758.5	11.5
30°-40°	2138.1	14.0
40°-50°	2262.1	14.8
50°-60°	2120.4	13.9
60°-70°	1744.4	11.4
70°-80°	1207.0	7.9
80°-90°	671.2	4.4
90°-100°	442.2	2.9
100°-110°	396.5	2.6
110°-120°	328.2	2.2
120°-130°	253.7	1.7
130°-140°	179.6	1.2
140°-150°	108.3	0.7
150°-160°	52.0	0.3
160°-170°	17.0	0.1
170°-180°	2.1	0.0
0°-30°	3316.2	21.8
0°-40°	5454.4	35.8
0°-60°	9836.9	64.6
0°-90°	13459.4	88.3
90°-120°	1166.8	7.7
90°-150°	1708.5	11.2
90°-180°	1780.0	11.7
0°-180°	15239.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4233	4233	4233	4233	4233	
5°	4243	4235	4199	4233	4222	403
15°	4066	4079	4076	4131	4131	1146
25°	3711	3763	3807	3891	3894	1711
35°	3226	3312	3424	3533	3565	2019
45°	2651	2790	2959	3092	3129	2044
55°	2017	2197	2409	2560	2612	1806
65°	1365	1561	1803	1981	2036	1353
75°	710	916	1185	1373	1448	753
85°	157	389	658	840	913	180
90°	3	219	464	639	702	10
95°	3	209	452	618	678	2
105°	3	180	423	582	634	3
115°	5	157	358	517	574	4
125°	5	133	305	441	496	5
135°	5	104	256	363	407	4
145°	5	76	178	274	308	3
155°	8	52	110	175	204	3
165°	8	34	60	81	104	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°	4232.8	4232.8	4232.8	4232.8	4232.8
2.5°	4261.5	4248.5	4204.1	4232.8	4219.8
5°	4243.2	4235.4	4198.9	4232.8	4222.4
7.5°	4214.5	4211.9	4183.2	4222.4	4211.9
10°	4175.4	4180.6	4157.1	4198.9	4191.1
12.5°	4125.8	4133.6	4123.2	4170.2	4165.0
15°	4065.8	4078.8	4076.2	4131.0	4131.0
17.5°	3992.7	4011.0	4021.4	4084.1	4084.1
20°	3906.6	3935.3	3956.2	4024.0	4034.5
22.5°	3820.5	3854.4	3885.7	3956.2	3971.8
25°	3710.9	3763.1	3807.4	3890.9	3893.6
27.5°	3603.9	3661.3	3721.3	3802.2	3810.0
30°	3486.5	3559.5	3632.6	3710.9	3734.4
32.5°	3361.2	3442.1	3523.0	3627.4	3658.7
35°	3225.5	3311.6	3423.8	3533.4	3564.7
37.5°	3089.8	3186.3	3316.8	3429.0	3457.7
40°	2951.5	3058.5	3204.6	3319.4	3353.4
42.5°	2797.5	2928.0	3084.6	3207.2	3246.4
45°	2651.4	2789.7	2959.3	3092.4	3128.9
47.5°	2497.4	2643.5	2826.2	2967.1	3008.9
50°	2333.0	2500.0	2695.7	2836.7	2875.8
52.5°	2179.0	2348.7	2554.8	2701.0	2755.8
55°	2017.2	2197.3	2408.7	2560.0	2612.2
57.5°	1865.9	2038.1	2265.2	2416.5	2481.7
60°	1693.6	1884.1	2111.2	2275.6	2327.8
62.5°	1531.8	1725.0	1959.8	2129.5	2189.5
65°	1364.8	1560.6	1803.2	1980.7	2035.5
67.5°	1208.3	1401.4	1649.3	1824.1	1894.6
70°	1036.0	1239.6	1492.7	1672.8	1732.8
72.5°	866.4	1077.8	1336.1	1529.2	1597.1
75°	709.8	916.0	1184.8	1372.7	1448.3
77.5°	558.5	767.2	1038.6	1231.7	1297.0
80°	407.1	626.3	902.9	1093.4	1156.1
82.5°	268.8	498.4	772.4	963.0	1030.8
85°	156.6	388.8	657.6	840.3	913.4
87.5°	67.9	294.9	550.6	730.7	790.7
90°	2.6	219.2	464.5	639.4	702.0
92.5°	2.6	214.0	454.1	626.3	686.3
95°	2.6	208.8	451.5	618.5	678.5
97.5°	2.6	206.2	446.2	613.3	670.7
100°	2.6	198.3	438.4	602.8	660.2
102.5°	2.6	187.9	430.6	592.4	647.2
105°	2.6	180.1	422.8	581.9	634.1
107.5°	2.6	172.2	409.7	568.9	621.1
110°	2.6	164.4	388.8	555.8	608.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.6	161.8	373.2	537.6	592.4
115°	5.2	156.6	357.5	516.7	574.1
117.5°	5.2	154.0	344.5	495.8	555.8
120°	5.2	146.1	331.4	477.6	535.0
122.5°	5.2	138.3	318.4	459.3	516.7
125°	5.2	133.1	305.3	441.0	495.8
127.5°	5.2	125.3	294.9	422.8	472.3
130°	5.2	120.0	281.8	401.9	451.5
132.5°	5.2	112.2	268.8	381.0	428.0
135°	5.2	104.4	255.7	362.7	407.1
137.5°	5.2	93.9	240.1	341.9	383.6
140°	5.2	86.1	219.2	321.0	360.1
142.5°	5.2	80.9	198.3	297.5	334.0
145°	5.2	75.7	177.5	274.0	307.9
147.5°	5.2	70.5	159.2	250.5	281.8
150°	5.2	62.6	140.9	229.6	255.7
152.5°	7.8	57.4	125.3	203.6	229.6
155°	7.8	52.2	109.6	174.8	203.6
157.5°	7.8	47.0	93.9	146.1	177.5
160°	7.8	41.8	80.9	120.0	151.4
162.5°	7.8	39.1	70.5	99.2	127.9
165°	7.8	33.9	60.0	80.9	104.4
167.5°	7.8	26.1	49.6	62.6	86.1
170°	7.8	20.9	39.1	44.4	65.2
172.5°	7.8	15.7	28.7	31.3	33.9
175°	7.8	13.0	18.3	18.3	10.4
177.5°	7.8	10.4	10.4	10.4	5.2
180°	5.2	5.2	5.2	5.2	5.2

(END OF REPORT)