

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: P567677

Luminaire Tested: **8SNX-186HL-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567677
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-17)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-186HL-UNV-L850-CD
Description: 8FT 18600 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

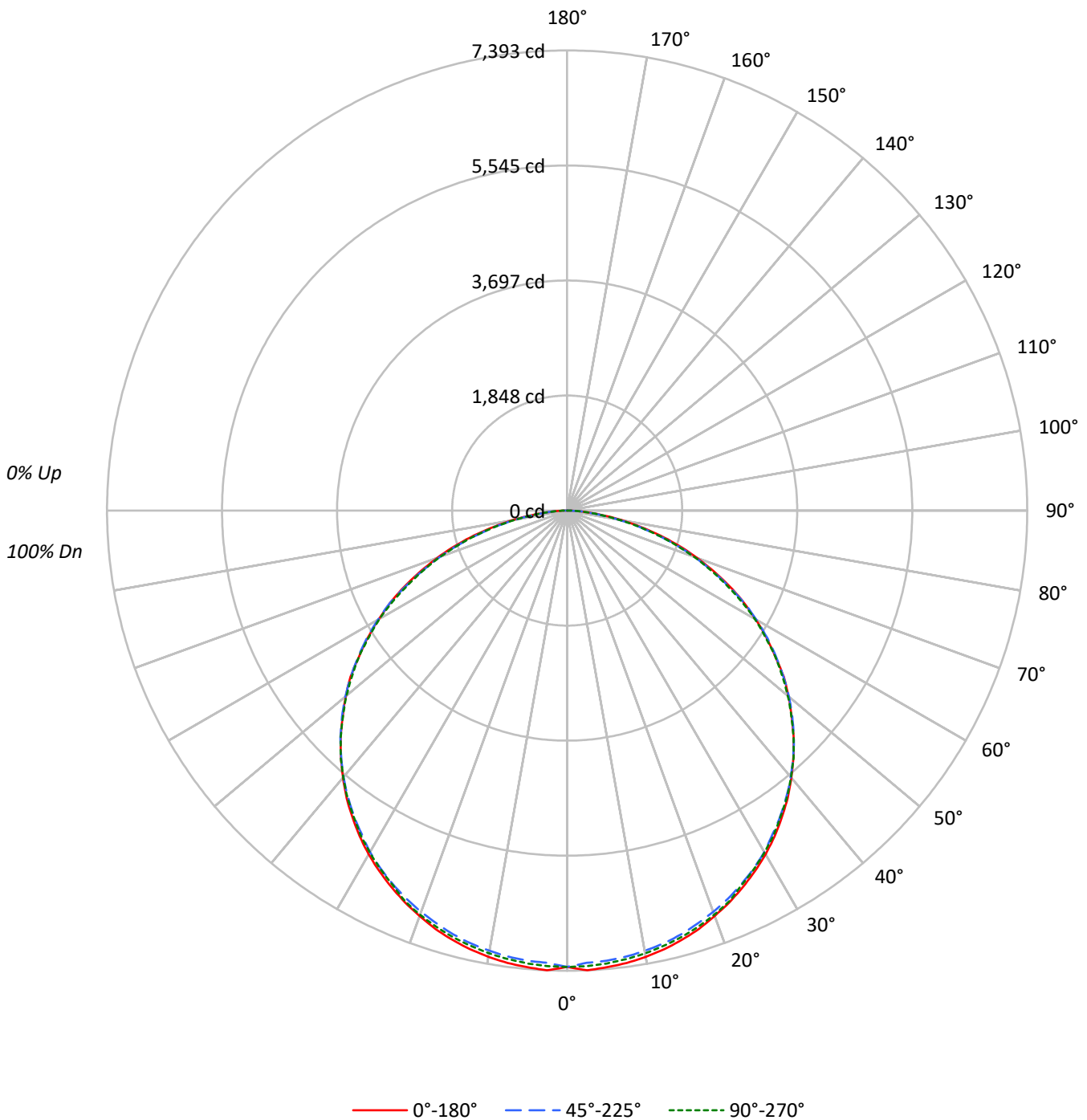
Lumens per Lamp: N/A
Luminaire Lumens: 21945.0 lumens
Efficiency: N/A
Efficacy: 162.8 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')
CIE Type: Direct

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	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																														
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																												
1	109	104	99	95	106	101	98	94	97	94	91	93	91	88	90	88	86	83																												
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69																												
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58																												
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49																												
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42																												
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37																												
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33																												
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29																												
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26																												
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23																												

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	39456	39456	39456
5°	39774	39221	39456
10°	39793	39251	39471
15°	39775	39292	39516
20°	39696	39287	39571
25°	39647	39334	39407
30°	39621	39370	39409
35°	39523	39279	39340
40°	39365	39278	39299
45°	39151	39222	39151
50°	38887	38965	38756
55°	38280	38484	38280
60°	37636	37803	37468
65°	36704	36269	35874
70°	34955	34173	34076
75°	32256	30709	30838
80°	27597	25867	26348
85°	20501	20118	18772



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	695.7	3.2
10°-20°	2004.6	9.1
20°-30°	3068.9	14.0
30°-40°	3754.1	17.1
40°-50°	3970.7	18.1
50°-60°	3658.6	16.7
60°-70°	2815.8	12.8
70°-80°	1582.0	7.2
80°-90°	394.6	1.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	5769.2	26.3
0°-40°	9523.3	43.4
0°-60°	17152.5	78.2
0°-90°	21945.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	21945.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7331	7331	7331	7331	7331	
5°	7362	7340	7260	7325	7303	700
15°	7139	7120	7052	7114	7092	2015
25°	6676	6670	6624	6670	6636	3079
35°	6016	6006	5978	6006	5988	3764
45°	5144	5159	5153	5141	5144	3967
55°	4080	4117	4101	4089	4080	3654
65°	2882	2888	2848	2808	2817	2843
75°	1551	1526	1477	1455	1483	1634
85°	332	326	326	316	304	410
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7331.1	7331.1	7331.1	7331.1	7331.1
2.5°	7393.1	7352.8	7272.1	7343.5	7324.9
5°	7362.1	7340.4	7259.7	7324.9	7303.2
7.5°	7331.1	7306.3	7228.7	7300.1	7269.0
10°	7281.4	7259.7	7182.2	7250.4	7222.5
12.5°	7216.3	7197.7	7126.3	7191.5	7163.5
15°	7138.7	7120.1	7051.9	7113.9	7092.2
17.5°	7045.7	7023.9	6958.8	7023.9	7008.4
20°	6930.9	6918.5	6859.5	6918.5	6909.1
22.5°	6813.0	6797.5	6750.9	6794.4	6797.5
25°	6676.5	6670.3	6623.7	6670.3	6636.1
27.5°	6533.7	6533.7	6487.2	6518.2	6496.5
30°	6375.5	6372.4	6335.2	6350.7	6341.4
32.5°	6204.9	6201.8	6152.1	6192.5	6177.0
35°	6015.6	6006.3	5978.4	6006.3	5987.7
37.5°	5820.2	5810.9	5789.2	5804.7	5801.6
40°	5603.0	5603.0	5590.6	5603.0	5593.7
42.5°	5379.6	5388.9	5373.4	5385.8	5385.8
45°	5143.9	5159.4	5153.2	5140.8	5143.9
47.5°	4892.6	4920.5	4905.0	4901.9	4886.4
50°	4644.4	4669.2	4653.7	4638.2	4628.8
52.5°	4386.9	4399.3	4380.7	4374.4	4352.7
55°	4079.7	4116.9	4101.4	4089.0	4079.7
57.5°	3797.4	3825.3	3812.9	3788.1	3772.6
60°	3496.5	3518.2	3512.0	3484.0	3480.9
62.5°	3201.7	3207.9	3201.7	3152.1	3155.2
65°	2882.2	2888.4	2848.0	2807.7	2817.0
67.5°	2547.1	2565.7	2509.9	2450.9	2491.3
70°	2221.4	2215.1	2171.7	2106.6	2165.5
72.5°	1886.3	1880.1	1830.4	1783.9	1824.2
75°	1551.2	1526.4	1476.8	1455.0	1483.0
77.5°	1203.7	1175.8	1154.1	1138.6	1151.0
80°	890.4	853.2	834.6	822.1	850.1
82.5°	592.6	564.6	555.3	564.6	558.4
85°	332.0	325.8	325.8	316.4	304.0
87.5°	136.5	142.7	145.8	142.7	136.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)