

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: P567657

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567657
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-3)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-186HL-LN-UNV-L950-CD
Description: 8FT 18600 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

Summary

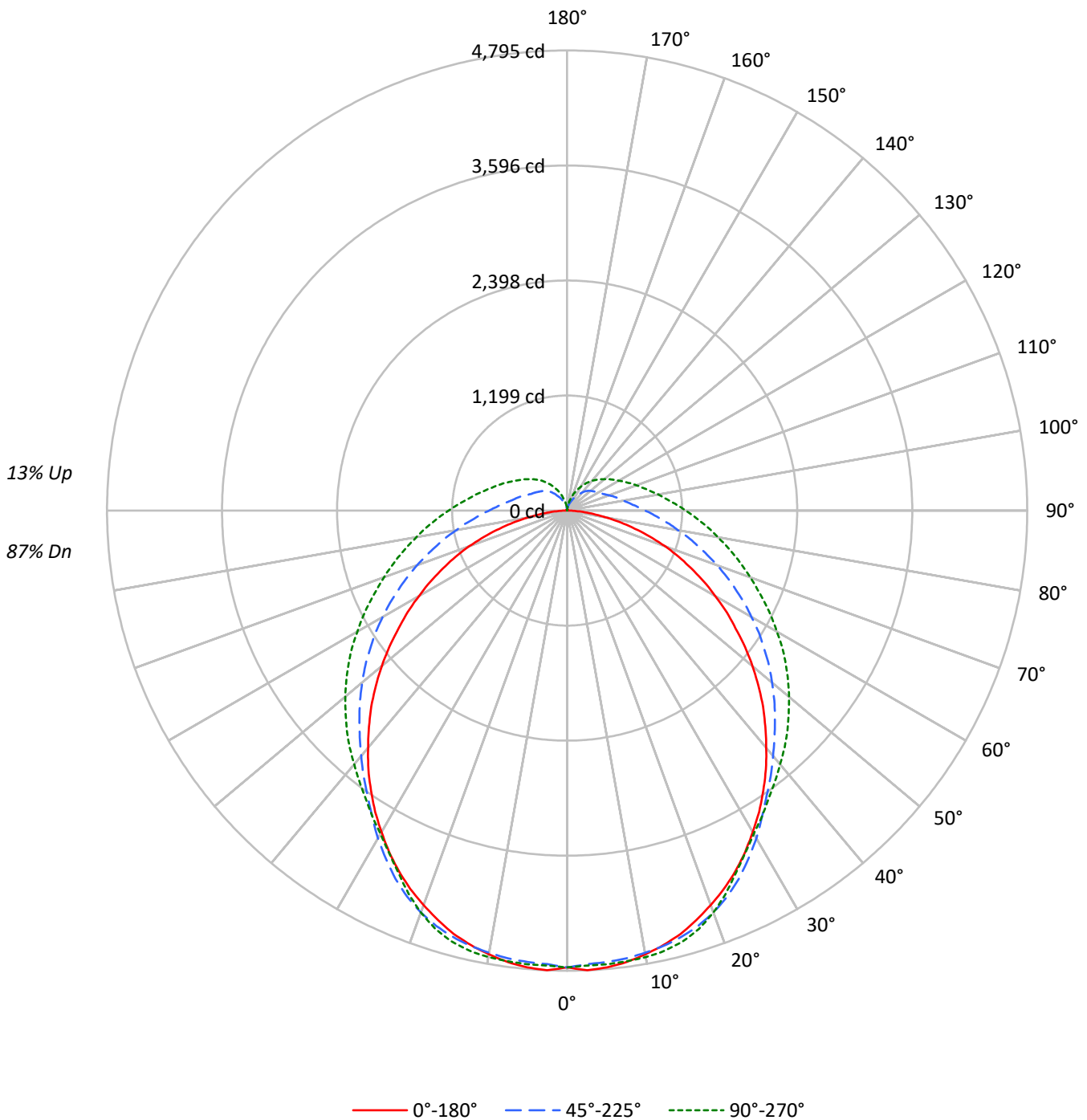
Lumens per Lamp: N/A
Luminaire Lumens: 17182.0 lumens
Efficiency: N/A
Efficacy: 127.5 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.35
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 134.8
Input Voltage (V): NR
Input Current (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	104	104	104	96	96	96	90	90	90	87
1	104	98	93	89	100	95	90	86	88	84	81	82	79	76	76	74	72	68
2	94	85	77	71	90	82	75	69	76	70	66	71	66	62	66	62	59	56
3	85	74	65	58	81	71	63	57	66	60	54	62	56	52	58	53	49	46
4	78	65	56	49	74	63	55	48	59	52	46	55	49	44	51	46	42	39
5	71	58	49	42	68	56	48	41	53	45	40	49	43	38	46	41	36	34
6	66	52	43	37	63	51	42	36	47	40	35	44	38	33	42	36	32	29
7	61	47	38	32	58	46	38	32	43	36	30	41	34	29	38	33	28	26
8	57	43	35	29	54	42	34	28	39	32	27	37	31	26	35	29	25	23
9	53	39	31	26	51	38	31	25	36	29	24	34	28	24	32	27	23	21
10	50	36	28	23	48	35	28	23	34	27	22	32	26	21	30	25	21	19

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	25617	25617	25617
5°	25762	24469	24223
10°	25567	23548	23105
15°	25308	22674	21977
20°	24870	21688	20541
25°	24395	20489	18857
30°	23755	19139	17450
35°	23070	17762	16401
40°	22286	16658	15551
45°	21523	15679	14819
50°	20610	14779	14080
55°	19535	13874	13357
60°	18521	12971	12602
65°	17399	12059	11909
70°	16128	11206	11282
75°	14106	10374	10767
80°	11464	9660	10330
85°	8279	9163	10078



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	452.2	2.6
10°-20°	1300.0	7.6
20°-30°	1935.8	11.3
30°-40°	2284.2	13.3
40°-50°	2382.2	13.9
50°-60°	2238.6	13.0
60°-70°	1890.5	11.0
70°-80°	1428.4	8.3
80°-90°	984.7	5.7
90°-100°	689.1	4.0
100°-110°	514.2	3.0
110°-120°	387.6	2.3
120°-130°	289.1	1.7
130°-140°	202.9	1.2
140°-150°	122.7	0.7
150°-160°	58.7	0.3
160°-170°	18.8	0.1
170°-180°	2.2	0.0
0°-30°	3688.0	21.5
0°-40°	5972.3	34.8
0°-60°	10593.1	61.7
0°-90°	14896.7	86.7
90°-120°	1590.9	9.3
90°-150°	2205.6	12.8
90°-180°	2285.0	13.3
0°-180°	17182.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4760	4760	4760	4760	4760	
5°	4777	4768	4722	4757	4745	453
15°	4568	4588	4600	4658	4649	1286
25°	4148	4232	4232	4195	4163	1908
35°	3562	3694	3624	3653	3662	2228
45°	2887	3030	3062	3187	3245	2223
55°	2144	2327	2505	2706	2779	1924
65°	1427	1654	1934	2188	2272	1417
75°	731	1014	1404	1698	1806	779
85°	166	521	973	1293	1407	186
90°	3	370	813	1124	1235	12
95°	3	288	688	985	1086	2
105°	6	207	530	769	856	6
115°	6	178	411	612	690	6
125°	9	152	347	501	565	8
135°	9	116	288	408	457	7
145°	12	84	201	312	350	7
155°	12	55	122	198	230	5
165°	15	35	64	87	116	4
175°	15	15	18	18	9	1
180°	9	9	9	9	9	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4759.7	4759.7	4759.7	4759.7	4759.7
2.5°	4794.7	4783.0	4730.6	4759.7	4745.2
5°	4777.2	4768.5	4721.9	4756.8	4745.2
7.5°	4745.2	4742.3	4707.3	4748.1	4736.4
10°	4695.6	4704.4	4678.2	4733.5	4724.8
12.5°	4637.4	4654.9	4646.1	4707.3	4698.6
15°	4567.5	4587.9	4599.5	4657.8	4649.0
17.5°	4474.3	4512.1	4538.4	4585.0	4570.4
20°	4375.2	4427.7	4456.8	4480.1	4456.8
22.5°	4267.4	4337.4	4354.8	4343.2	4319.9
25°	4148.0	4232.5	4232.5	4194.6	4162.6
27.5°	4014.0	4118.9	4089.8	4046.1	4019.8
30°	3868.4	3993.6	3944.1	3894.6	3888.8
32.5°	3722.7	3853.8	3781.0	3769.3	3778.1
35°	3562.5	3693.6	3623.7	3652.8	3661.6
37.5°	3402.3	3533.4	3486.8	3530.5	3556.7
40°	3227.5	3367.4	3338.2	3416.9	3451.8
42.5°	3055.7	3201.3	3198.4	3300.4	3352.8
45°	2886.7	3029.5	3061.5	3186.7	3245.0
47.5°	2703.2	2848.8	2927.5	3073.1	3131.4
50°	2522.6	2679.9	2787.7	2950.8	3017.8
52.5°	2336.2	2502.2	2650.8	2831.4	2901.3
55°	2143.9	2327.4	2505.1	2706.1	2778.9
57.5°	1972.1	2158.5	2368.2	2575.0	2659.5
60°	1782.7	1989.5	2219.7	2438.1	2522.6
62.5°	1610.9	1823.5	2079.8	2310.0	2400.3
65°	1427.3	1654.5	1934.2	2187.6	2272.1
67.5°	1258.4	1491.4	1797.3	2053.6	2146.8
70°	1083.6	1331.2	1663.3	1934.2	2030.3
72.5°	903.0	1165.2	1529.3	1817.7	1916.7
75°	731.1	1013.7	1404.0	1698.2	1806.0
77.5°	570.9	868.1	1290.4	1593.4	1698.2
80°	413.6	737.0	1171.0	1485.6	1593.4
82.5°	273.8	623.4	1074.9	1389.5	1503.1
85°	166.0	521.4	972.9	1293.3	1406.9
87.5°	75.7	436.9	891.4	1208.9	1319.6
90°	2.9	369.9	812.7	1124.4	1235.1
92.5°	2.9	323.3	748.6	1051.6	1159.3
95°	2.9	288.4	687.5	984.6	1086.5
97.5°	2.9	265.1	640.8	920.5	1019.5
100°	2.9	241.8	594.2	862.2	964.2
102.5°	5.8	221.4	559.3	809.8	905.9
105°	5.8	206.8	530.2	769.0	856.4
107.5°	5.8	198.1	498.1	728.2	809.8
110°	5.8	189.3	463.2	687.5	769.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	5.8	183.5	436.9	652.5	731.1
115°	5.8	177.7	410.7	611.7	690.4
117.5°	5.8	174.8	396.2	579.7	655.4
120°	8.7	166.0	378.7	550.5	623.4
122.5°	8.7	157.3	361.2	527.2	591.3
125°	8.7	151.5	346.6	501.0	565.1
127.5°	8.7	142.7	332.1	477.7	536.0
130°	8.7	134.0	320.4	454.4	509.8
132.5°	8.7	125.3	305.9	431.1	483.5
135°	8.7	116.5	288.4	407.8	457.3
137.5°	8.7	107.8	270.9	384.5	431.1
140°	8.7	99.0	247.6	361.2	404.9
142.5°	8.7	90.3	224.3	337.9	375.8
145°	11.7	84.5	201.0	311.7	349.6
147.5°	11.7	75.7	177.7	285.5	317.5
150°	11.7	69.9	160.2	259.3	288.4
152.5°	11.7	61.2	142.7	230.1	259.3
155°	11.7	55.3	122.3	198.1	230.1
157.5°	11.7	49.5	104.9	166.0	201.0
160°	11.7	46.6	90.3	136.9	171.9
162.5°	14.6	40.8	75.7	110.7	142.7
165°	14.6	35.0	64.1	87.4	116.5
167.5°	14.6	29.1	52.4	67.0	90.3
170°	14.6	23.3	40.8	46.6	69.9
172.5°	14.6	17.5	29.1	32.0	35.0
175°	14.6	14.6	17.5	17.5	8.7
177.5°	14.6	14.6	11.7	8.7	2.9
180°	8.7	8.7	8.7	8.7	8.7

(END OF REPORT)