

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: P567654

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567654
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-L930-CD
Description: 8FT 18600 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

Summary

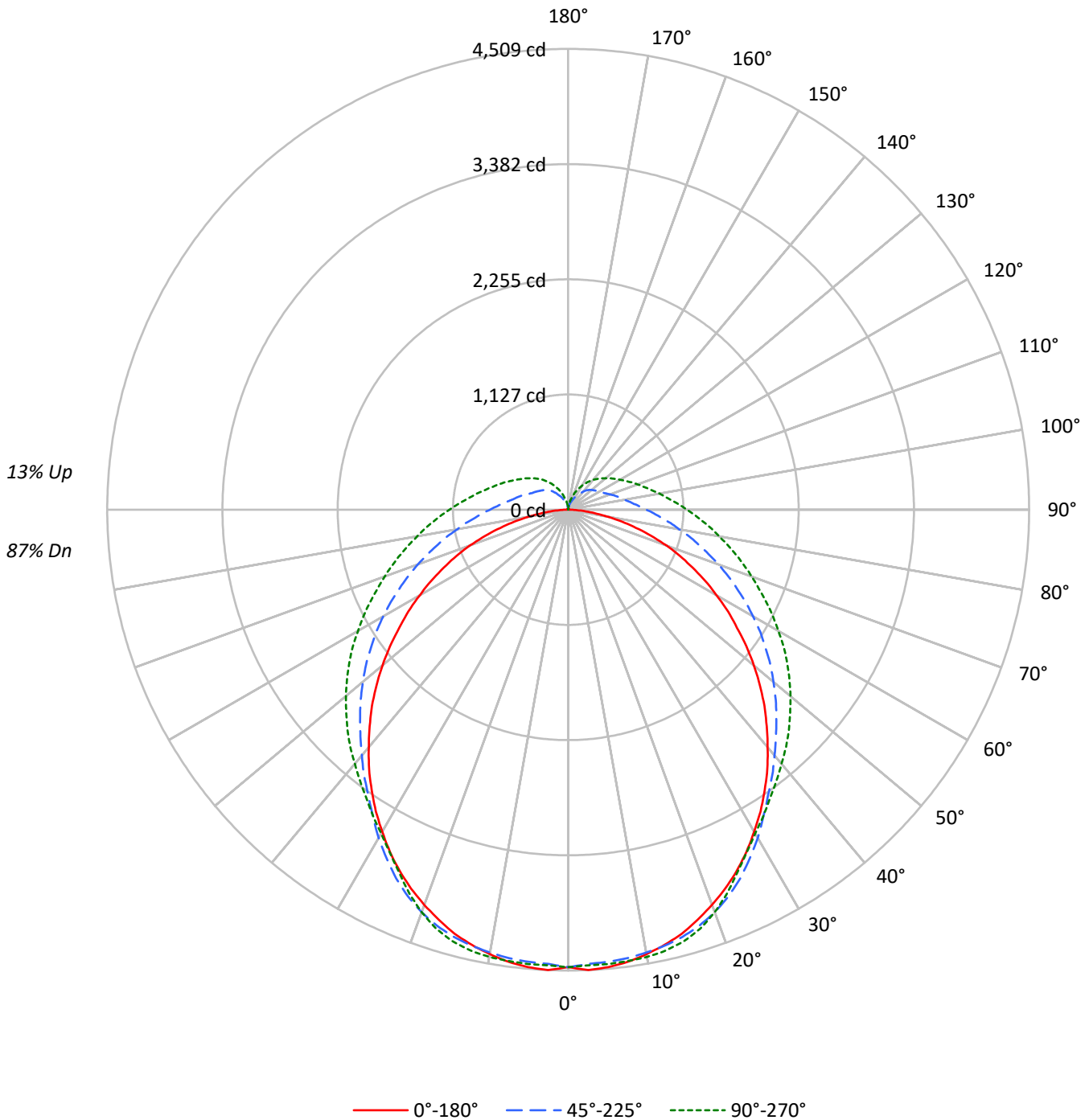
Lumens per Lamp: N/A
Luminaire Lumens: 16158.0 lumens
Efficiency: N/A
Efficacy: 119.9 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.35
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Semi-Direct

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°	24090	24090	24090
5°	24227	23011	22780
10°	24044	22144	21728
15°	23800	21323	20668
20°	23388	20396	19317
25°	22941	19268	17733
30°	22339	17999	16410
35°	21695	16703	15423
40°	20958	15665	14625
45°	20241	14745	13936
50°	19382	13898	13241
55°	18371	13047	12561
60°	17417	12198	11851
65°	16363	11340	11199
70°	15167	10538	10610
75°	13267	9756	10125
80°	10782	9084	9714
85°	7785	8617	9478



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	425.2	2.6
10°-20°	1222.6	7.6
20°-30°	1820.5	11.3
30°-40°	2148.1	13.3
40°-50°	2240.2	13.9
50°-60°	2105.2	13.0
60°-70°	1777.9	11.0
70°-80°	1343.3	8.3
80°-90°	926.0	5.7
90°-100°	648.0	4.0
100°-110°	483.6	3.0
110°-120°	364.5	2.3
120°-130°	271.9	1.7
130°-140°	190.8	1.2
140°-150°	115.4	0.7
150°-160°	55.2	0.3
160°-170°	17.7	0.1
170°-180°	2.1	0.0
0°-30°	3468.2	21.5
0°-40°	5616.3	34.8
0°-60°	9961.8	61.7
0°-90°	14008.9	86.7
90°-120°	1496.1	9.3
90°-150°	2074.1	12.8
90°-180°	2149.0	13.3
0°-180°	16158.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4476	4476	4476	4476	4476	
5°	4492	4484	4440	4473	4462	426
15°	4295	4314	4325	4380	4372	1210
25°	3901	3980	3980	3945	3914	1795
35°	3350	3474	3408	3435	3443	2095
45°	2715	2849	2879	2997	3052	2091
55°	2016	2189	2356	2545	2613	1809
65°	1342	1556	1819	2057	2137	1333
75°	688	953	1320	1597	1698	732
85°	156	490	915	1216	1323	175
90°	3	348	764	1057	1162	11
95°	3	271	646	926	1022	2
105°	6	194	499	723	805	5
115°	6	167	386	575	649	6
125°	8	142	326	471	531	7
135°	8	110	271	384	430	6
145°	11	79	189	293	329	6
155°	11	52	115	186	216	5
165°	14	33	60	82	110	4
175°	14	14	16	16	8	1
180°	8	8	8	8	8	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4476.1	4476.1	4476.1	4476.1	4476.1
2.5°	4508.9	4498.0	4448.7	4476.1	4462.4
5°	4492.5	4484.3	4440.5	4473.3	4462.4
7.5°	4462.4	4459.6	4426.8	4465.1	4454.2
10°	4415.8	4424.0	4399.4	4451.4	4443.2
12.5°	4361.0	4377.5	4369.2	4426.8	4418.5
15°	4295.3	4314.4	4325.4	4380.2	4372.0
17.5°	4207.6	4243.2	4267.9	4311.7	4298.0
20°	4114.5	4163.8	4191.2	4213.1	4191.2
22.5°	4013.1	4078.9	4095.3	4084.3	4062.4
25°	3900.8	3980.2	3980.2	3944.6	3914.5
27.5°	3774.8	3873.4	3846.0	3804.9	3780.3
30°	3637.8	3755.6	3709.1	3662.5	3657.0
32.5°	3500.9	3624.1	3555.7	3544.7	3552.9
35°	3350.2	3473.5	3407.7	3435.1	3443.3
37.5°	3199.5	3322.8	3279.0	3320.1	3344.7
40°	3035.2	3166.7	3139.3	3213.2	3246.1
42.5°	2873.6	3010.5	3007.8	3103.7	3153.0
45°	2714.7	2848.9	2879.0	2996.8	3051.6
47.5°	2542.1	2679.1	2753.0	2890.0	2944.8
50°	2372.3	2520.2	2621.5	2774.9	2837.9
52.5°	2196.9	2353.1	2492.8	2662.6	2728.4
55°	2016.1	2188.7	2355.8	2544.8	2613.3
57.5°	1854.5	2029.8	2227.1	2421.6	2501.0
60°	1676.5	1871.0	2087.4	2292.8	2372.3
62.5°	1514.8	1714.8	1955.9	2172.3	2257.2
65°	1342.3	1555.9	1818.9	2057.2	2136.7
67.5°	1183.4	1402.5	1690.2	1931.2	2018.9
70°	1019.0	1251.9	1564.2	1818.9	1909.3
72.5°	849.2	1095.7	1438.1	1709.3	1802.5
75°	687.6	953.3	1320.4	1597.0	1698.4
77.5°	536.9	816.3	1213.5	1498.4	1597.0
80°	389.0	693.1	1101.2	1397.1	1498.4
82.5°	257.5	586.2	1010.8	1306.7	1413.5
85°	156.1	490.3	914.9	1216.3	1323.1
87.5°	71.2	410.9	838.2	1136.8	1240.9
90°	2.7	347.9	764.3	1057.4	1161.5
92.5°	2.7	304.1	704.0	988.9	1090.3
95°	2.7	271.2	646.5	925.9	1021.8
97.5°	2.7	249.3	602.7	865.6	958.8
100°	2.7	227.4	558.8	810.8	906.7
102.5°	5.5	208.2	526.0	761.5	851.9
105°	5.5	194.5	498.6	723.2	805.4
107.5°	5.5	186.3	468.4	684.8	761.5
110°	5.5	178.1	435.6	646.5	723.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	5.5	172.6	410.9	613.6	687.6
115°	5.5	167.1	386.2	575.3	649.2
117.5°	5.5	164.4	372.5	545.1	616.3
120°	8.2	156.1	356.1	517.7	586.2
122.5°	8.2	147.9	339.7	495.8	556.1
125°	8.2	142.4	326.0	471.2	531.4
127.5°	8.2	134.2	312.3	449.3	504.0
130°	8.2	126.0	301.3	427.3	479.4
132.5°	8.2	117.8	287.6	405.4	454.7
135°	8.2	109.6	271.2	383.5	430.1
137.5°	8.2	101.4	254.8	361.6	405.4
140°	8.2	93.1	232.8	339.7	380.8
142.5°	8.2	84.9	210.9	317.8	353.4
145°	11.0	79.4	189.0	293.1	328.7
147.5°	11.0	71.2	167.1	268.5	298.6
150°	11.0	65.7	150.7	243.8	271.2
152.5°	11.0	57.5	134.2	216.4	243.8
155°	11.0	52.0	115.1	186.3	216.4
157.5°	11.0	46.6	98.6	156.1	189.0
160°	11.0	43.8	84.9	128.7	161.6
162.5°	13.7	38.4	71.2	104.1	134.2
165°	13.7	32.9	60.3	82.2	109.6
167.5°	13.7	27.4	49.3	63.0	84.9
170°	13.7	21.9	38.4	43.8	65.7
172.5°	13.7	16.4	27.4	30.1	32.9
175°	13.7	13.7	16.4	16.4	8.2
177.5°	13.7	13.7	11.0	8.2	2.7
180°	8.2	8.2	8.2	8.2	8.2

(END OF REPORT)