

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: P567679

Luminaire Tested: **8SNX-186HL-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567679
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-L935-CD
Description: 8FT 18600 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

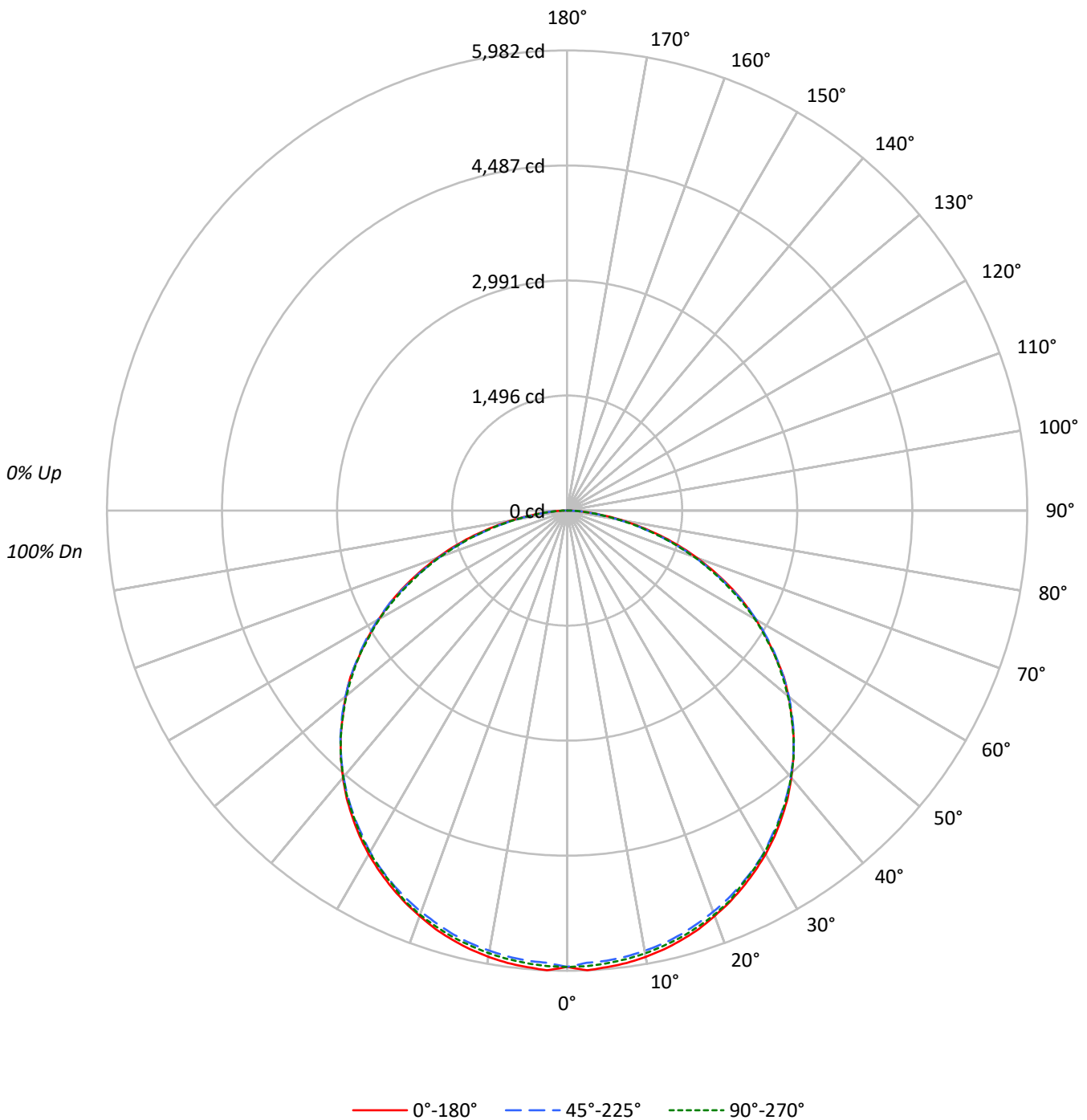
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17756.0 lumens
Efficiency: N/A
Efficacy: 131.7 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	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°	31924	31924	31924
5°	32182	31734	31924
10°	32197	31758	31936
15°	32183	31792	31973
20°	32118	31787	32018
25°	32079	31825	31885
30°	32058	31855	31886
35°	31979	31781	31830
40°	31851	31780	31797
45°	31678	31735	31678
50°	31463	31526	31359
55°	30974	31138	30974
60°	30451	30587	30317
65°	29698	29346	29026
70°	28282	27651	27571
75°	26099	24847	24951
80°	22328	20930	21317
85°	16586	16278	15191



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	562.9	3.2
10°-20°	1622.0	9.1
20°-30°	2483.1	14.0
30°-40°	3037.5	17.1
40°-50°	3212.7	18.1
50°-60°	2960.2	16.7
60°-70°	2278.3	12.8
70°-80°	1280.0	7.2
80°-90°	319.3	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°	4668.0	26.3
0°-40°	7705.4	43.4
0°-60°	13878.3	78.2
0°-90°	17756.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	17756.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5932	5932	5932	5932	5932	
5°	5957	5939	5874	5927	5909	567
15°	5776	5761	5706	5756	5738	1631
25°	5402	5397	5359	5397	5369	2492
35°	4867	4860	4837	4860	4845	3046
45°	4162	4174	4170	4160	4162	3209
55°	3301	3331	3318	3308	3301	2956
65°	2332	2337	2304	2272	2279	2300
75°	1255	1235	1195	1177	1200	1322
85°	269	264	264	256	246	331
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5931.7	5931.7	5931.7	5931.7	5931.7
2.5°	5981.9	5949.2	5884.0	5941.7	5926.7
5°	5956.8	5939.2	5873.9	5926.7	5909.1
7.5°	5931.7	5911.6	5848.8	5906.6	5881.5
10°	5891.5	5873.9	5811.2	5866.4	5843.8
12.5°	5838.8	5823.7	5766.0	5818.7	5796.1
15°	5776.0	5761.0	5705.8	5756.0	5738.4
17.5°	5700.7	5683.2	5630.4	5683.2	5670.6
20°	5607.9	5597.8	5550.1	5597.8	5590.3
22.5°	5512.5	5499.9	5462.3	5497.4	5499.9
25°	5402.0	5397.0	5359.3	5397.0	5369.4
27.5°	5286.5	5286.5	5248.9	5274.0	5256.4
30°	5158.5	5156.0	5125.9	5138.4	5130.9
32.5°	5020.5	5018.0	4977.8	5010.4	4997.9
35°	4867.3	4859.8	4837.2	4859.8	4844.7
37.5°	4709.2	4701.7	4684.1	4696.6	4694.1
40°	4533.5	4533.5	4523.4	4533.5	4525.9
42.5°	4352.7	4360.3	4347.7	4357.8	4357.8
45°	4162.0	4174.5	4169.5	4159.5	4162.0
47.5°	3958.6	3981.2	3968.7	3966.2	3953.6
50°	3757.8	3777.9	3765.3	3752.8	3745.3
52.5°	3549.5	3559.5	3544.4	3539.4	3521.9
55°	3301.0	3331.1	3318.5	3308.5	3301.0
57.5°	3072.5	3095.1	3085.1	3065.0	3052.4
60°	2829.0	2846.6	2841.6	2819.0	2816.5
62.5°	2590.6	2595.6	2590.6	2550.4	2552.9
65°	2332.0	2337.0	2304.4	2271.8	2279.3
67.5°	2060.9	2076.0	2030.8	1983.1	2015.7
70°	1797.3	1792.3	1757.2	1704.4	1752.1
72.5°	1526.2	1521.2	1481.0	1443.4	1476.0
75°	1255.1	1235.0	1194.9	1177.3	1199.9
77.5°	974.0	951.4	933.8	921.3	931.3
80°	720.4	690.3	675.3	665.2	687.8
82.5°	479.5	456.9	449.3	456.9	451.8
85°	268.6	263.6	263.6	256.0	246.0
87.5°	110.5	115.5	118.0	115.5	110.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)