

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: P567678

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

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567678  
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-L930-CD  
Description: 8FT 18600 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

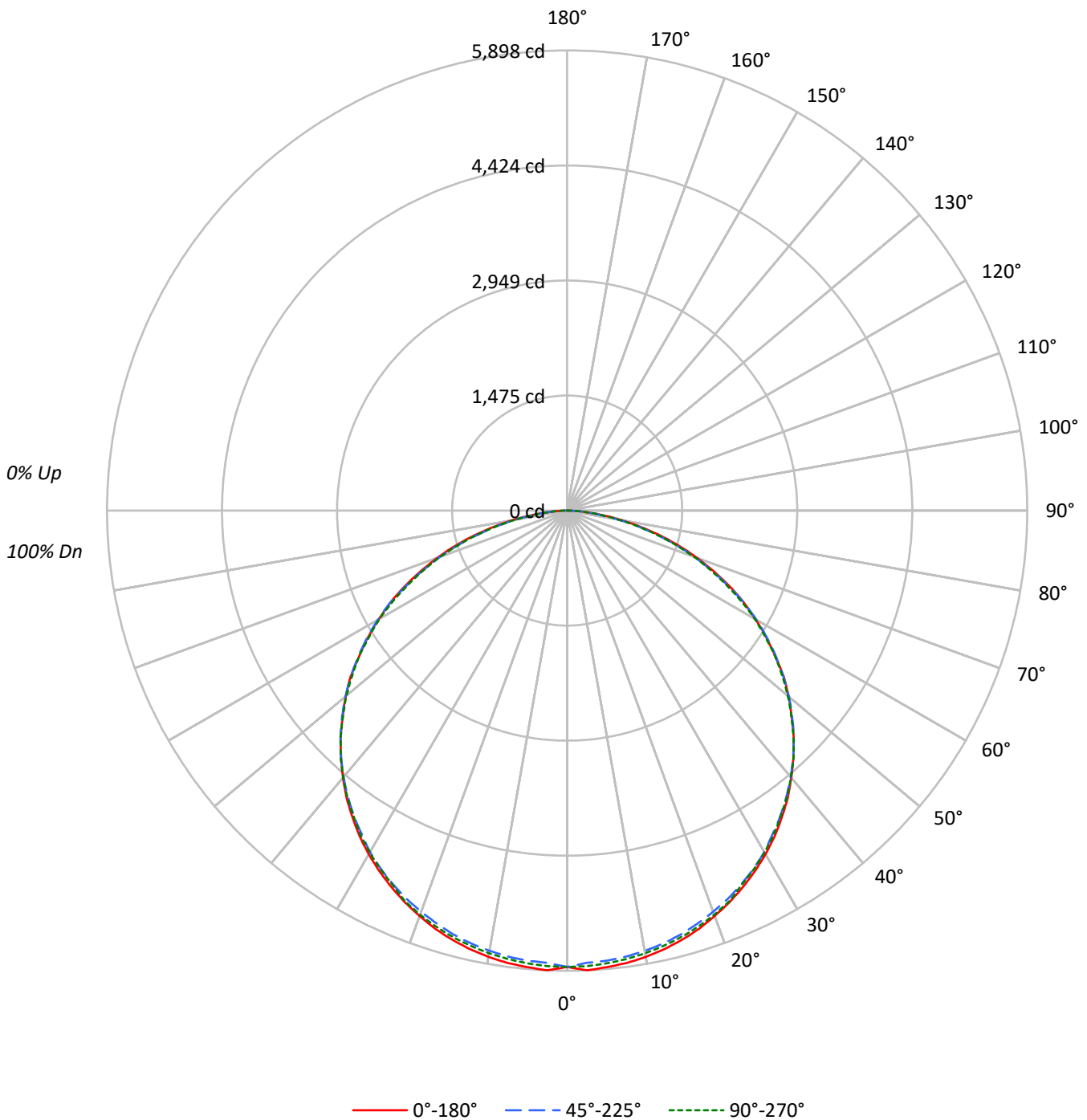
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 17506.0 lumens  
Efficiency: N/A  
Efficacy: 129.9 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	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	109	104	99	95	106	101	98	94	97	94	91	93	91	88	90	88	86	83					83			
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69					69			
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58					58			
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49					49			
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42					42			
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37					37			
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33					33			
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29					29			
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26					26			
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23					23			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	31475	31475	31475
5°	31728	31287	31475
10°	31744	31311	31486
15°	31730	31344	31523
20°	31666	31340	31567
25°	31628	31378	31436
30°	31607	31406	31438
35°	31529	31334	31382
40°	31402	31332	31350
45°	31232	31288	31232
50°	31021	31082	30917
55°	30537	30700	30537
60°	30023	30156	29889
65°	29280	28932	28618
70°	27884	27261	27184
75°	25731	24496	24600
80°	22015	20632	21017
85°	16352	16049	14975



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	555.0	3.2
10°-20°	1599.1	9.1
20°-30°	2448.1	14.0
30°-40°	2994.7	17.1
40°-50°	3167.5	18.1
50°-60°	2918.5	16.7
60°-70°	2246.3	12.8
70°-80°	1262.0	7.2
80°-90°	314.8	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°	4602.2	26.3
0°-40°	7597.0	43.4
0°-60°	13682.9	78.2
0°-90°	17506.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	17506.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	5848	5848	5848	5848	5848	
5°	5873	5856	5791	5843	5826	559
15°	5695	5680	5625	5675	5658	1608
25°	5326	5321	5284	5321	5294	2456
35°	4799	4791	4769	4791	4776	3003
45°	4103	4116	4111	4101	4103	3164
55°	3254	3284	3272	3262	3254	2915
65°	2299	2304	2272	2240	2247	2268
75°	1237	1218	1178	1161	1183	1303
85°	265	260	260	252	242	327
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	5848.2	5848.2	5848.2	5848.2	5848.2
2.5°	5897.7	5865.5	5801.1	5858.1	5843.2
5°	5872.9	5855.6	5791.2	5843.2	5825.9
7.5°	5848.2	5828.4	5766.5	5823.4	5798.7
10°	5808.6	5791.2	5729.4	5783.8	5761.5
12.5°	5756.6	5741.7	5684.8	5736.8	5714.5
15°	5694.7	5679.9	5625.4	5674.9	5657.6
17.5°	5620.5	5603.1	5551.2	5603.1	5590.8
20°	5528.9	5519.0	5472.0	5519.0	5511.6
22.5°	5434.9	5422.5	5385.4	5420.0	5422.5
25°	5326.0	5321.0	5283.9	5321.0	5293.8
27.5°	5212.1	5212.1	5175.0	5199.7	5182.4
30°	5085.9	5083.4	5053.7	5066.1	5058.7
32.5°	4949.8	4947.3	4907.7	4939.9	4927.5
35°	4798.8	4791.4	4769.1	4791.4	4776.5
37.5°	4642.9	4635.5	4618.1	4630.5	4628.0
40°	4469.6	4469.6	4459.7	4469.6	4462.2
42.5°	4291.5	4298.9	4286.5	4296.4	4296.4
45°	4103.4	4115.7	4110.8	4100.9	4103.4
47.5°	3902.9	3925.2	3912.8	3910.3	3897.9
50°	3704.9	3724.7	3712.3	3700.0	3692.5
52.5°	3499.5	3509.4	3494.5	3489.6	3472.3
55°	3254.5	3284.2	3271.8	3261.9	3254.5
57.5°	3029.3	3051.5	3041.6	3021.8	3009.5
60°	2789.2	2806.5	2801.6	2779.3	2776.8
62.5°	2554.1	2559.0	2554.1	2514.5	2517.0
65°	2299.2	2304.1	2271.9	2239.8	2247.2
67.5°	2031.9	2046.7	2002.2	1955.2	1987.3
70°	1772.0	1767.1	1732.4	1680.4	1727.5
72.5°	1504.7	1499.8	1460.2	1423.1	1455.2
75°	1237.4	1217.6	1178.0	1160.7	1183.0
77.5°	960.3	938.0	920.7	908.3	918.2
80°	710.3	680.6	665.7	655.8	678.1
82.5°	472.7	450.4	443.0	450.4	445.5
85°	264.8	259.9	259.9	252.4	242.5
87.5°	108.9	113.8	116.3	113.8	108.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)