

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: P567681

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567681
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-L950-CD
Description: 8FT 18600 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

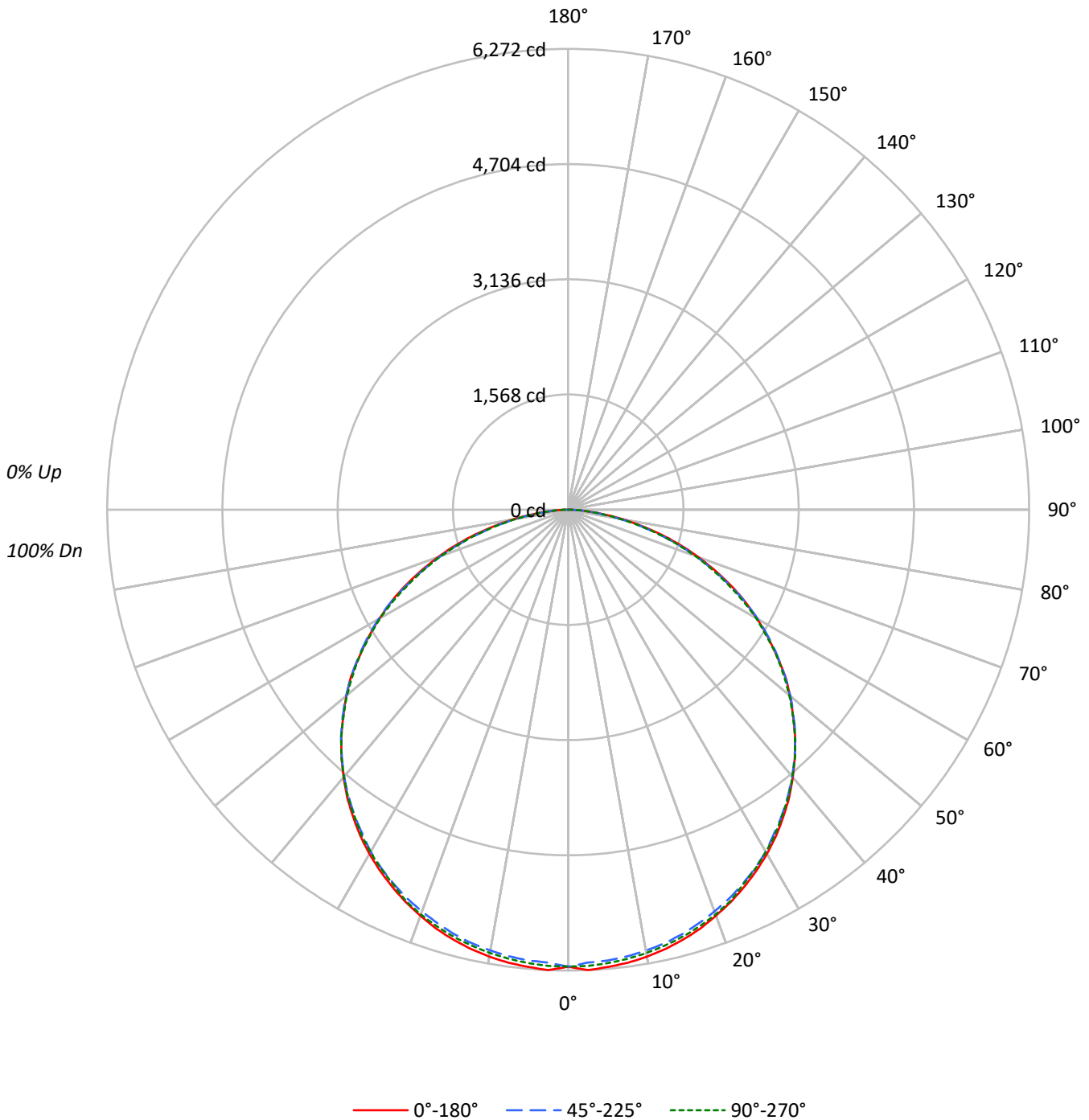
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18616.0 lumens
Efficiency: N/A
Efficacy: 138.1 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°	33470	33470	33470
5°	33740	33271	33470
10°	33757	33296	33483
15°	33742	33331	33522
20°	33674	33327	33568
25°	33633	33367	33429
30°	33611	33398	33431
35°	33528	33321	33372
40°	33394	33319	33338
45°	33212	33272	33212
50°	32987	33053	32878
55°	32473	32647	32473
60°	31927	32068	31785
65°	31137	30767	30432
70°	29653	28990	28907
75°	27363	26049	26159
80°	23409	21943	22349
85°	17389	17062	15926



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	590.2	3.2
10°-20°	1700.5	9.1
20°-30°	2603.3	14.0
30°-40°	3184.6	17.1
40°-50°	3368.3	18.1
50°-60°	3103.6	16.7
60°-70°	2388.7	12.8
70°-80°	1342.0	7.2
80°-90°	334.8	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°	4894.0	26.3
0°-40°	8078.7	43.4
0°-60°	14550.5	78.2
0°-90°	18616.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	18616.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6219	6219	6219	6219	6219	
5°	6245	6227	6158	6214	6195	594
15°	6056	6040	5982	6035	6016	1709
25°	5664	5658	5619	5658	5629	2612
35°	5103	5095	5072	5095	5079	3193
45°	4364	4377	4371	4361	4364	3365
55°	3461	3492	3479	3469	3461	3099
65°	2445	2450	2416	2382	2390	2412
75°	1316	1295	1253	1234	1258	1386
85°	282	276	276	268	258	348
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6219.0	6219.0	6219.0	6219.0	6219.0
2.5°	6271.6	6237.4	6169.0	6229.5	6213.7
5°	6245.3	6226.9	6158.4	6213.7	6195.3
7.5°	6219.0	6197.9	6132.1	6192.7	6166.3
10°	6176.9	6158.4	6092.6	6150.5	6126.9
12.5°	6121.6	6105.8	6045.3	6100.5	6076.9
15°	6055.8	6040.0	5982.1	6034.7	6016.3
17.5°	5976.8	5958.4	5903.2	5958.4	5945.3
20°	5879.5	5868.9	5818.9	5868.9	5861.0
22.5°	5779.5	5766.3	5726.8	5763.7	5766.3
25°	5663.7	5658.4	5618.9	5658.4	5629.4
27.5°	5542.6	5542.6	5503.1	5529.4	5511.0
30°	5408.4	5405.7	5374.2	5387.3	5379.4
32.5°	5263.6	5261.0	5218.9	5253.1	5239.9
35°	5103.1	5095.2	5071.5	5095.2	5079.4
37.5°	4937.3	4929.4	4911.0	4924.1	4921.5
40°	4753.1	4753.1	4742.5	4753.1	4745.2
42.5°	4563.6	4571.5	4558.3	4568.8	4568.8
45°	4363.5	4376.7	4371.4	4360.9	4363.5
47.5°	4150.4	4174.1	4160.9	4158.3	4145.1
50°	3939.8	3960.9	3947.7	3934.6	3926.7
52.5°	3721.4	3731.9	3716.1	3710.9	3692.4
55°	3460.8	3492.4	3479.3	3468.7	3460.8
57.5°	3221.3	3245.0	3234.5	3213.4	3200.3
60°	2966.1	2984.5	2979.2	2955.5	2952.9
62.5°	2716.0	2721.3	2716.0	2673.9	2676.6
65°	2445.0	2450.2	2416.0	2381.8	2389.7
67.5°	2160.7	2176.5	2129.1	2079.1	2113.3
70°	1884.4	1879.1	1842.3	1787.0	1837.0
72.5°	1600.1	1594.9	1552.8	1513.3	1547.5
75°	1315.9	1294.9	1252.7	1234.3	1258.0
77.5°	1021.1	997.5	979.0	965.9	976.4
80°	755.3	723.7	708.0	697.4	721.1
82.5°	502.7	479.0	471.1	479.0	473.7
85°	281.6	276.3	276.3	268.4	257.9
87.5°	115.8	121.1	123.7	121.1	115.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)