

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: P567680

Luminaire Tested: **8SNX-186HL-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567680
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-L940-CD
Description: 8FT 18600 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

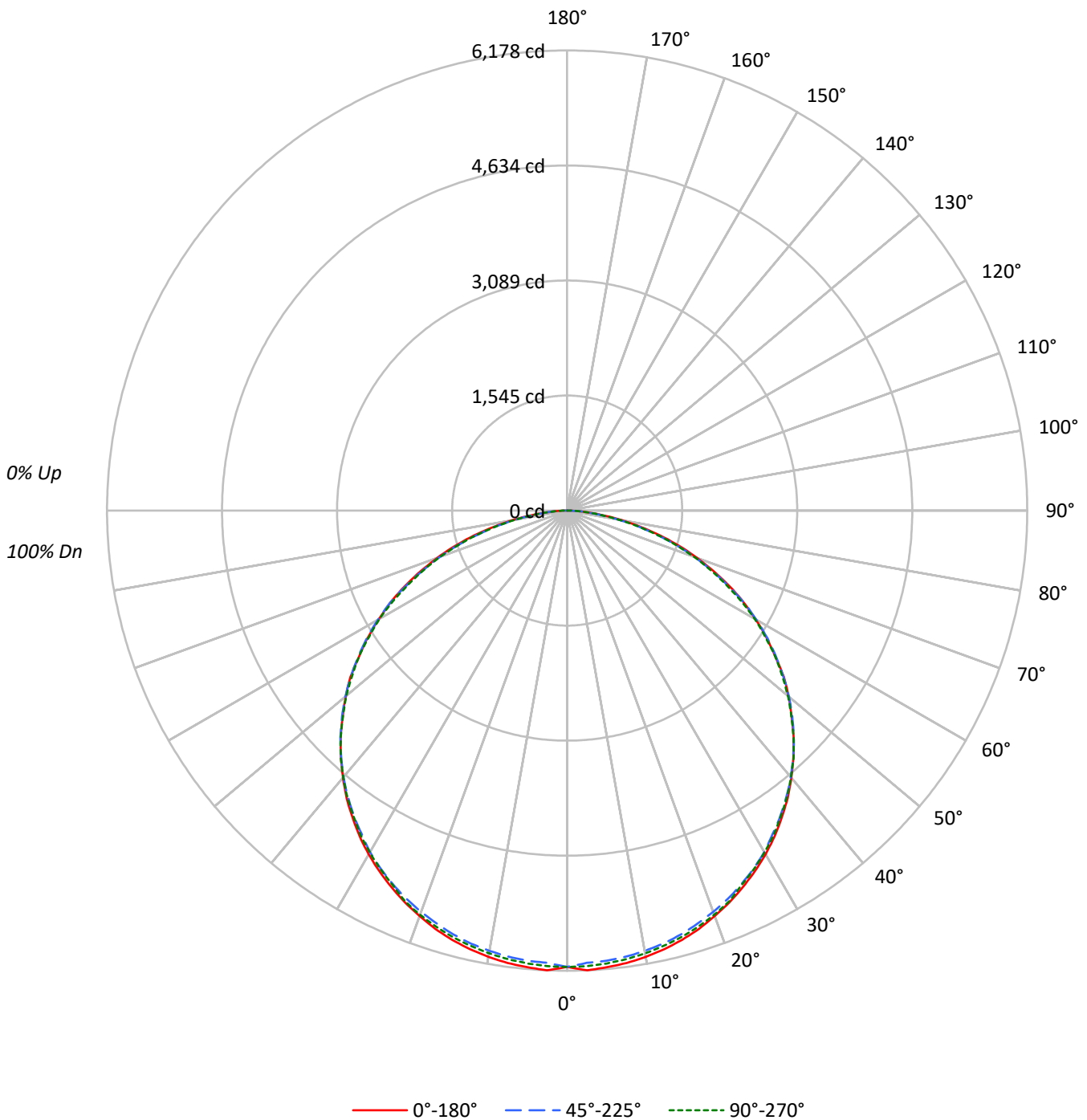
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18339.0 lumens
Efficiency: N/A
Efficacy: 136.0 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°	32972	32972	32972
5°	33238	32776	32972
10°	33254	32801	32985
15°	33240	32835	33023
20°	33173	32832	33069
25°	33132	32870	32932
30°	33110	32901	32933
35°	33029	32825	32876
40°	32896	32824	32842
45°	32718	32777	32718
50°	32497	32562	32388
55°	31990	32161	31990
60°	31451	31591	31312
65°	30673	30310	29979
70°	29210	28559	28477
75°	26956	25662	25770
80°	23062	21615	22018
85°	17130	16809	15691



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	581.4	3.2
10°-20°	1675.2	9.1
20°-30°	2564.6	14.0
30°-40°	3137.2	17.1
40°-50°	3318.2	18.1
50°-60°	3057.4	16.7
60°-70°	2353.1	12.8
70°-80°	1322.0	7.2
80°-90°	329.8	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°	4821.2	26.3
0°-40°	7958.5	43.4
0°-60°	14334.0	78.2
0°-90°	18339.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	18339.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6126	6126	6126	6126	6126	
5°	6152	6134	6067	6121	6103	585
15°	5966	5950	5893	5945	5927	1684
25°	5579	5574	5535	5574	5546	2573
35°	5027	5019	4996	5019	5004	3146
45°	4299	4312	4306	4296	4299	3315
55°	3409	3440	3428	3417	3409	3053
65°	2409	2414	2380	2346	2354	2376
75°	1296	1276	1234	1216	1239	1365
85°	277	272	272	264	254	342
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6126.4	6126.4	6126.4	6126.4	6126.4
2.5°	6178.3	6144.6	6077.2	6136.8	6121.2
5°	6152.4	6134.2	6066.8	6121.2	6103.1
7.5°	6126.4	6105.7	6040.9	6100.5	6074.6
10°	6085.0	6066.8	6002.0	6059.0	6035.7
12.5°	6030.5	6015.0	5955.3	6009.8	5986.4
15°	5965.7	5950.1	5893.1	5944.9	5926.8
17.5°	5887.9	5869.8	5815.3	5869.8	5856.8
20°	5792.0	5781.6	5732.4	5781.6	5773.8
22.5°	5693.5	5680.5	5641.6	5677.9	5680.5
25°	5579.4	5574.2	5535.3	5574.2	5545.7
27.5°	5460.1	5460.1	5421.2	5447.2	5429.0
30°	5327.9	5325.3	5294.2	5307.2	5299.4
32.5°	5185.3	5182.7	5141.2	5174.9	5162.0
35°	5027.2	5019.4	4996.0	5019.4	5003.8
37.5°	4863.8	4856.0	4837.9	4850.9	4848.3
40°	4682.3	4682.3	4672.0	4682.3	4674.6
42.5°	4495.7	4503.4	4490.5	4500.8	4500.8
45°	4298.6	4311.6	4306.4	4296.0	4298.6
47.5°	4088.6	4111.9	4099.0	4096.4	4083.4
50°	3881.2	3901.9	3889.0	3876.0	3868.2
52.5°	3666.0	3676.4	3660.8	3655.6	3637.5
55°	3409.3	3440.4	3427.5	3417.1	3409.3
57.5°	3173.4	3196.7	3186.4	3165.6	3152.7
60°	2921.9	2940.1	2934.9	2911.5	2909.0
62.5°	2675.6	2680.8	2675.6	2634.1	2636.7
65°	2408.6	2413.8	2380.1	2346.3	2354.1
67.5°	2128.6	2144.1	2097.5	2048.2	2081.9
70°	1856.3	1851.2	1814.9	1760.4	1809.7
72.5°	1576.3	1571.1	1529.7	1490.8	1524.5
75°	1296.3	1275.6	1234.1	1216.0	1239.3
77.5°	1005.9	982.6	964.5	951.5	961.9
80°	744.1	713.0	697.4	687.1	710.4
82.5°	495.2	471.9	464.1	471.9	466.7
85°	277.4	272.2	272.2	264.5	254.1
87.5°	114.1	119.3	121.9	119.3	114.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)