

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: P567673

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567673
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-186HL-SLW-UNV-L950-CD
Description: 8FT 18600 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

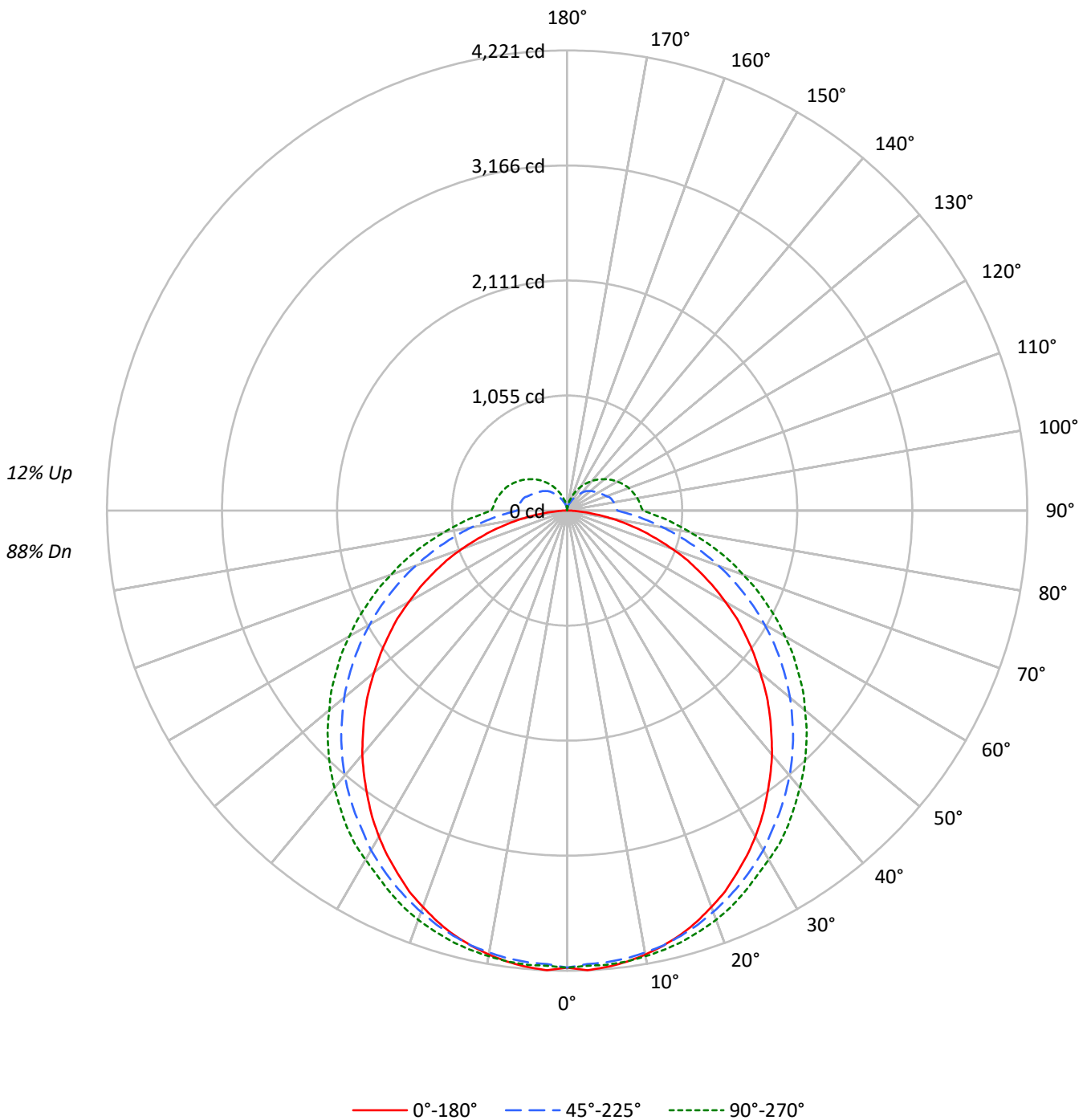
Lumens per Lamp: N/A
Luminaire Lumens: 15093.0 lumens
Efficiency: N/A
Efficacy: 112.0 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.08')
CIE Type: Semi-Direct

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	105	105	105	98	98	98	91	91	91	88
1	105	99	95	90	101	96	92	88	89	86	83	84	81	78	78	76	74	71
2	95	86	79	72	91	83	76	71	77	72	67	72	68	64	68	64	61	58
3	86	75	66	60	82	72	65	58	68	61	56	63	58	53	59	55	51	48
4	78	66	57	50	75	64	56	49	60	53	47	56	50	45	53	48	43	41
5	72	59	50	43	69	57	48	42	54	46	41	50	44	39	47	42	38	35
6	66	53	44	37	64	51	43	37	48	41	35	45	39	34	43	37	33	31
7	61	48	39	33	59	46	38	32	44	36	31	41	35	30	39	33	29	27
8	57	43	35	29	55	42	34	29	40	33	28	38	31	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	27	23	21
10	50	37	29	23	48	36	28	23	34	27	22	32	26	22	31	25	21	19

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	22563	22563	22563
5°	22684	22001	21955
10°	22559	21580	21430
15°	22374	21124	20935
20°	22077	20624	20418
25°	21720	20122	19830
30°	21332	19617	19288
35°	20838	19050	18821
40°	20360	18534	18250
45°	19782	17960	17708
50°	19110	17349	17087
55°	18473	16633	16468
60°	17737	15858	15756
65°	16840	14972	14996
70°	15699	13971	14123
75°	14073	12818	13322
80°	11802	11680	12310
85°	8562	10676	11650



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	398.0	2.6
10°-20°	1144.9	7.6
20°-30°	1741.6	11.5
30°-40°	2117.6	14.0
40°-50°	2240.4	14.8
50°-60°	2100.1	13.9
60°-70°	1727.7	11.4
70°-80°	1195.4	7.9
80°-90°	664.7	4.4
90°-100°	437.9	2.9
100°-110°	392.7	2.6
110°-120°	325.0	2.2
120°-130°	251.3	1.7
130°-140°	177.9	1.2
140°-150°	107.3	0.7
150°-160°	51.5	0.3
160°-170°	16.9	0.1
170°-180°	2.1	0.0
0°-30°	3284.5	21.8
0°-40°	5402.1	35.8
0°-60°	9742.6	64.6
0°-90°	13330.4	88.3
90°-120°	1155.6	7.7
90°-150°	1692.1	11.2
90°-180°	1763.0	11.7
0°-180°	15093.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4192	4192	4192	4192	4192	
5°	4203	4195	4159	4192	4182	399
15°	4027	4040	4037	4092	4092	1135
25°	3675	3727	3771	3854	3856	1694
35°	3195	3280	3391	3500	3531	1999
45°	2626	2763	2931	3063	3099	2024
55°	1998	2176	2386	2536	2587	1789
65°	1352	1546	1786	1962	2016	1340
75°	703	907	1173	1360	1434	746
85°	155	385	651	832	905	178
90°	3	217	460	633	695	10
95°	3	207	447	613	672	2
105°	3	178	419	576	628	3
115°	5	155	354	512	569	4
125°	5	132	302	437	491	5
135°	5	103	253	359	403	4
145°	5	75	176	271	305	3
155°	8	52	109	173	202	3
165°	8	34	59	80	103	2
175°	8	13	18	18	10	1
180°	5	5	5	5	5	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4192.3	4192.3	4192.3	4192.3	4192.3
2.5°	4220.7	4207.8	4163.8	4192.3	4179.3
5°	4202.6	4194.8	4158.7	4192.3	4181.9
7.5°	4174.2	4171.6	4143.1	4181.9	4171.6
10°	4135.4	4140.6	4117.3	4158.7	4150.9
12.5°	4086.3	4094.0	4083.7	4130.2	4125.1
15°	4026.8	4039.8	4037.2	4091.5	4091.5
17.5°	3954.5	3972.6	3982.9	4044.9	4044.9
20°	3869.2	3897.6	3918.3	3985.5	3995.8
22.5°	3783.9	3817.5	3848.5	3918.3	3933.8
25°	3675.3	3727.0	3771.0	3853.7	3856.3
27.5°	3569.4	3626.2	3685.7	3765.8	3773.5
30°	3453.1	3525.4	3597.8	3675.3	3698.6
32.5°	3329.0	3409.1	3489.2	3592.6	3623.6
35°	3194.6	3279.9	3391.0	3499.6	3530.6
37.5°	3060.2	3155.8	3285.1	3396.2	3424.6
40°	2923.2	3029.2	3173.9	3287.6	3321.2
42.5°	2770.7	2899.9	3055.0	3176.5	3215.3
45°	2626.0	2763.0	2931.0	3062.8	3099.0
47.5°	2473.5	2618.2	2799.1	2938.7	2980.1
50°	2310.6	2476.1	2669.9	2809.5	2848.3
52.5°	2158.2	2326.2	2530.3	2675.1	2729.4
55°	1997.9	2176.2	2385.6	2535.5	2587.2
57.5°	1848.0	2018.6	2243.4	2393.4	2458.0
60°	1677.4	1866.1	2091.0	2253.8	2305.5
62.5°	1517.2	1708.4	1941.0	2109.0	2168.5
65°	1351.8	1545.6	1786.0	1961.7	2016.0
67.5°	1196.7	1387.9	1633.5	1806.6	1876.4
70°	1026.1	1227.7	1478.4	1656.7	1716.2
72.5°	858.1	1067.4	1323.3	1514.6	1581.8
75°	703.0	907.2	1173.4	1359.5	1434.5
77.5°	553.1	759.9	1028.7	1219.9	1284.6
80°	403.2	620.3	894.3	1083.0	1145.0
82.5°	266.2	493.7	765.0	953.7	1020.9
85°	155.1	385.1	651.3	832.2	904.6
87.5°	67.2	292.1	545.4	723.7	783.1
90°	2.6	217.1	460.1	633.2	695.3
92.5°	2.6	211.9	449.7	620.3	679.8
95°	2.6	206.8	447.1	612.6	672.0
97.5°	2.6	204.2	442.0	607.4	664.2
100°	2.6	196.4	434.2	597.0	653.9
102.5°	2.6	186.1	426.5	586.7	641.0
105°	2.6	178.3	418.7	576.4	628.1
107.5°	2.6	170.6	405.8	563.4	615.1
110°	2.6	162.8	385.1	550.5	602.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.6	160.2	369.6	532.4	586.7
115°	5.2	155.1	354.1	511.8	568.6
117.5°	5.2	152.5	341.2	491.1	550.5
120°	5.2	144.7	328.2	473.0	529.8
122.5°	5.2	137.0	315.3	454.9	511.8
125°	5.2	131.8	302.4	436.8	491.1
127.5°	5.2	124.1	292.1	418.7	467.8
130°	5.2	118.9	279.1	398.0	447.1
132.5°	5.2	111.1	266.2	377.4	423.9
135°	5.2	103.4	253.3	359.3	403.2
137.5°	5.2	93.0	237.8	338.6	379.9
140°	5.2	85.3	217.1	317.9	356.7
142.5°	5.2	80.1	196.4	294.6	330.8
145°	5.2	75.0	175.8	271.4	305.0
147.5°	5.2	69.8	157.7	248.1	279.1
150°	5.2	62.0	139.6	227.4	253.3
152.5°	7.8	56.9	124.1	201.6	227.4
155°	7.8	51.7	108.6	173.2	201.6
157.5°	7.8	46.5	93.0	144.7	175.8
160°	7.8	41.4	80.1	118.9	149.9
162.5°	7.8	38.8	69.8	98.2	126.6
165°	7.8	33.6	59.4	80.1	103.4
167.5°	7.8	25.8	49.1	62.0	85.3
170°	7.8	20.7	38.8	43.9	64.6
172.5°	7.8	15.5	28.4	31.0	33.6
175°	7.8	12.9	18.1	18.1	10.3
177.5°	7.8	10.3	10.3	10.3	5.2
180°	5.2	5.2	5.2	5.2	5.2

(END OF REPORT)