

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: P566073

Luminaire Tested: **4SNX-116HL-SLW-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566073
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: 4SNX-116HL-SLW-UNV-L850-CD
Description: 4FT 11600 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

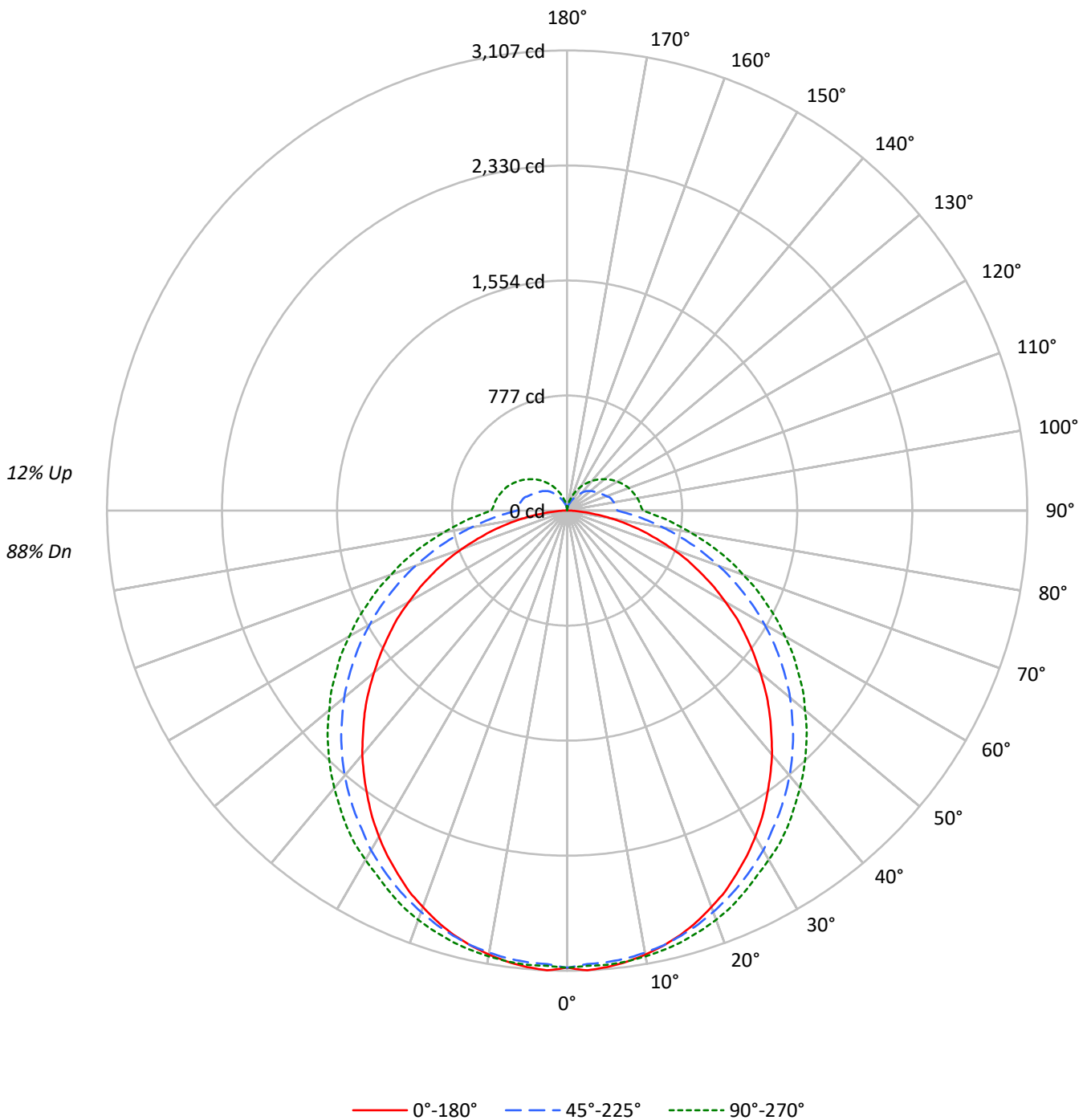
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11111.0 lumens
Efficiency: N/A
Efficacy: 130.1 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 85.4
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°	33220	33220	33220
5°	33368	32373	32325
10°	33153	31733	31553
15°	32852	31044	30823
20°	32383	30291	30063
25°	31827	29535	29197
30°	31221	28776	28399
35°	30461	27926	27711
40°	29721	27149	26870
45°	28830	26288	26072
50°	27797	25372	25158
55°	26807	24301	24246
60°	25662	23140	23198
65°	24265	21817	22079
70°	22491	20325	20794
75°	19975	18605	19614
80°	16461	16900	18124
85°	11400	15378	17155



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	293.0	2.6
10°-20°	842.8	7.6
20°-30°	1282.1	11.5
30°-40°	1559.0	14.0
40°-50°	1649.3	14.8
50°-60°	1546.0	13.9
60°-70°	1271.9	11.4
70°-80°	880.0	7.9
80°-90°	489.4	4.4
90°-100°	322.4	2.9
100°-110°	289.1	2.6
110°-120°	239.3	2.2
120°-130°	185.0	1.7
130°-140°	130.9	1.2
140°-150°	79.0	0.7
150°-160°	37.9	0.3
160°-170°	12.4	0.1
170°-180°	1.5	0.0
0°-30°	2417.9	21.8
0°-40°	3976.9	35.8
0°-60°	7172.2	64.6
0°-90°	9813.5	88.3
90°-120°	850.8	7.7
90°-150°	1245.7	11.2
90°-180°	1298.0	11.7
0°-180°	11111.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3086	3086	3086	3086	3086	
5°	3094	3088	3062	3086	3079	294
15°	2964	2974	2972	3012	3012	836
25°	2706	2744	2776	2837	2839	1247
35°	2352	2414	2496	2576	2599	1472
45°	1933	2034	2158	2255	2281	1490
55°	1471	1602	1756	1867	1905	1317
65°	995	1138	1315	1444	1484	987
75°	518	668	864	1001	1056	549
85°	114	284	480	613	666	131
90°	2	160	339	466	512	8
95°	2	152	329	451	495	2
105°	2	131	308	424	462	2
115°	4	114	261	377	419	3
125°	4	97	223	322	362	3
135°	4	76	186	264	297	3
145°	4	55	129	200	224	2
155°	6	38	80	128	148	3
165°	6	25	44	59	76	2
175°	6	10	13	13	8	1
180°	4	4	4	4	4	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3086.2	3086.2	3086.2	3086.2	3086.2
2.5°	3107.1	3097.6	3065.3	3086.2	3076.7
5°	3093.8	3088.1	3061.5	3086.2	3078.6
7.5°	3072.9	3071.0	3050.1	3078.6	3071.0
10°	3044.3	3048.2	3031.0	3061.5	3055.8
12.5°	3008.2	3013.9	3006.3	3040.5	3036.7
15°	2964.4	2973.9	2972.0	3012.0	3012.0
17.5°	2911.2	2924.5	2932.1	2977.8	2977.8
20°	2848.4	2869.3	2884.5	2934.0	2941.6
22.5°	2785.6	2810.3	2833.1	2884.5	2895.9
25°	2705.7	2743.7	2776.1	2837.0	2838.9
27.5°	2627.7	2669.5	2713.3	2772.3	2778.0
30°	2542.0	2595.3	2648.6	2705.7	2722.8
32.5°	2450.7	2509.7	2568.7	2644.8	2667.6
35°	2351.8	2414.5	2496.4	2576.3	2599.1
37.5°	2252.8	2323.2	2418.4	2500.2	2521.1
40°	2152.0	2230.0	2336.5	2420.3	2445.0
42.5°	2039.7	2134.8	2249.0	2338.4	2367.0
45°	1933.2	2034.0	2157.7	2254.7	2281.4
47.5°	1820.9	1927.5	2060.6	2163.4	2193.8
50°	1701.0	1822.8	1965.5	2068.3	2096.8
52.5°	1588.8	1712.4	1862.8	1969.3	2009.3
55°	1470.8	1602.1	1756.2	1866.6	1904.6
57.5°	1360.4	1486.0	1651.6	1761.9	1809.5
60°	1234.9	1373.8	1539.3	1659.2	1697.2
62.5°	1116.9	1257.7	1428.9	1552.6	1596.4
65°	995.1	1137.8	1314.8	1444.2	1484.1
67.5°	881.0	1021.8	1202.5	1330.0	1381.4
70°	755.4	903.8	1088.4	1219.6	1263.4
72.5°	631.7	785.8	974.2	1115.0	1164.5
75°	517.5	667.9	863.8	1000.8	1056.0
77.5°	407.2	559.4	757.3	898.1	945.7
80°	296.8	456.7	658.3	797.2	842.9
82.5°	196.0	363.4	563.2	702.1	751.6
85°	114.2	283.5	479.5	612.7	666.0
87.5°	49.5	215.0	401.5	532.8	576.5
90°	1.9	159.8	338.7	466.2	511.8
92.5°	1.9	156.0	331.1	456.7	500.4
95°	1.9	152.2	329.2	450.9	494.7
97.5°	1.9	150.3	325.4	447.1	489.0
100°	1.9	144.6	319.7	439.5	481.4
102.5°	1.9	137.0	313.9	431.9	471.9
105°	1.9	131.3	308.2	424.3	462.4
107.5°	1.9	125.6	298.7	414.8	452.8
110°	1.9	119.9	283.5	405.3	443.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.9	118.0	272.1	392.0	431.9
115°	3.8	114.2	260.7	376.7	418.6
117.5°	3.8	112.3	251.2	361.5	405.3
120°	3.8	106.6	241.6	348.2	390.1
122.5°	3.8	100.8	232.1	334.9	376.7
125°	3.8	97.0	222.6	321.6	361.5
127.5°	3.8	91.3	215.0	308.2	344.4
130°	3.8	87.5	205.5	293.0	329.2
132.5°	3.8	81.8	196.0	277.8	312.0
135°	3.8	76.1	186.5	264.5	296.8
137.5°	3.8	68.5	175.0	249.3	279.7
140°	3.8	62.8	159.8	234.0	262.6
142.5°	3.8	59.0	144.6	216.9	243.5
145°	3.8	55.2	129.4	199.8	224.5
147.5°	3.8	51.4	116.1	182.7	205.5
150°	3.8	45.7	102.7	167.4	186.5
152.5°	5.7	41.9	91.3	148.4	167.4
155°	5.7	38.1	79.9	127.5	148.4
157.5°	5.7	34.2	68.5	106.6	129.4
160°	5.7	30.4	59.0	87.5	110.4
162.5°	5.7	28.5	51.4	72.3	93.2
165°	5.7	24.7	43.8	59.0	76.1
167.5°	5.7	19.0	36.2	45.7	62.8
170°	5.7	15.2	28.5	32.3	47.6
172.5°	5.7	11.4	20.9	22.8	24.7
175°	5.7	9.5	13.3	13.3	7.6
177.5°	5.7	7.6	7.6	7.6	3.8
180°	3.8	3.8	3.8	3.8	3.8

(END OF REPORT)