

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: P566061

Luminaire Tested: **4SNX-116HL-LN-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566061
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-3)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-116HL-LN-UNV-L950-CD
Description: 4FT 11600 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

Summary

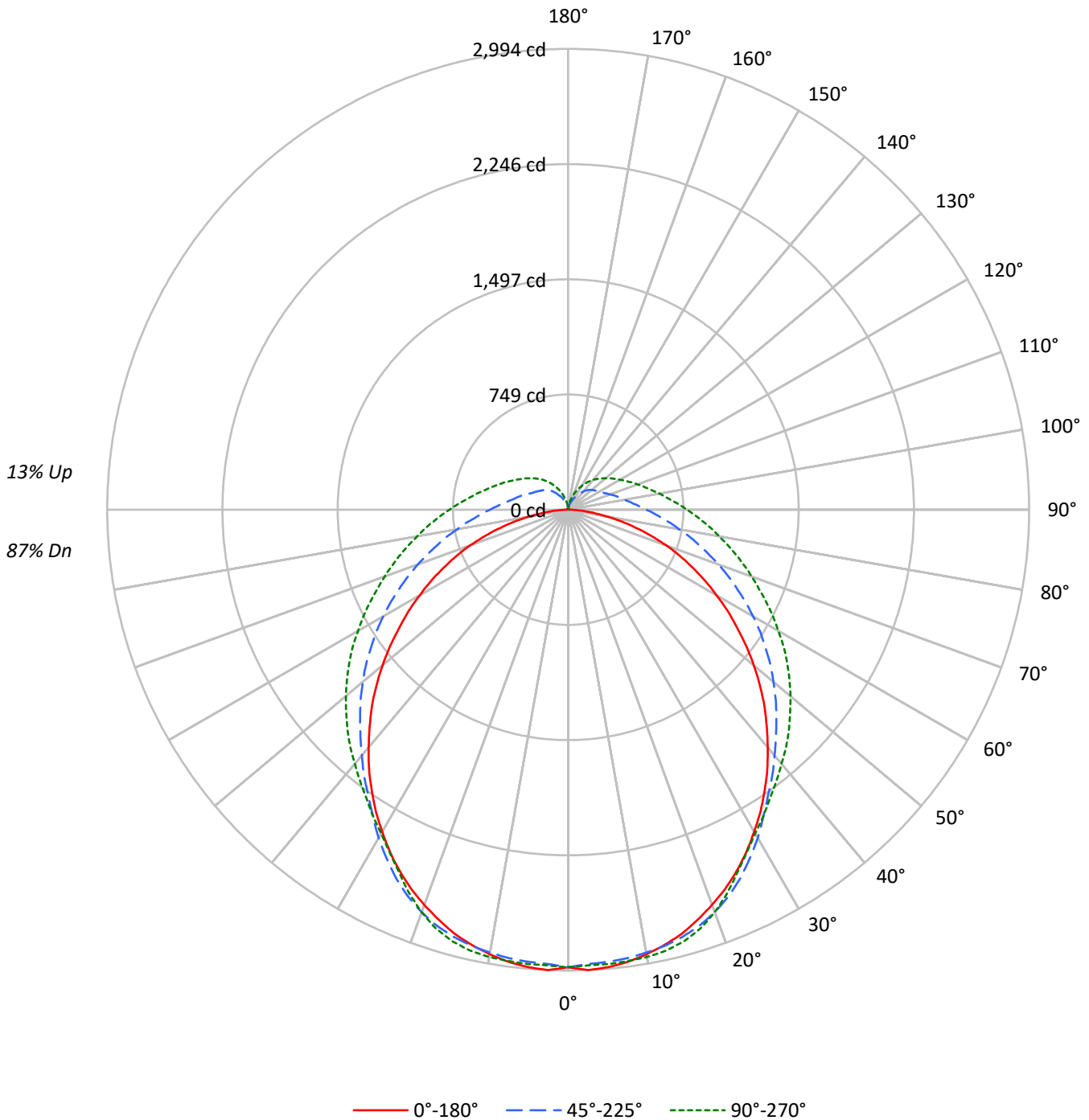
Lumens per Lamp: N/A
Luminaire Lumens: 10730.0 lumens
Efficiency: N/A
Efficacy: 125.6 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.35
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Semi-Direct

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	104	104	104	96	96	96	90	90	90	87
1	104	98	93	89	100	95	90	86	88	84	81	82	79	76	76	74	72	68
2	94	85	77	71	90	82	75	69	76	70	66	71	66	62	66	62	59	56
3	85	74	65	58	81	71	63	57	66	60	54	62	56	52	58	53	49	46
4	78	65	56	49	74	63	55	48	59	52	46	55	49	44	51	46	42	39
5	71	58	49	42	68	56	48	41	53	45	40	49	43	38	46	41	36	34
6	66	52	43	37	63	51	42	36	47	40	35	44	38	33	42	36	32	29
7	61	47	38	32	58	46	38	32	43	36	30	41	34	29	38	33	28	26
8	57	43	35	29	54	42	34	28	39	32	27	37	31	26	35	29	25	23
9	53	39	31	26	51	38	31	25	36	29	24	34	28	24	32	27	23	21
10	50	36	28	23	48	35	28	23	34	27	22	32	26	21	30	25	21	19

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	31995	31995	31995
5°	32118	30524	30254
10°	31817	29341	28858
15°	31434	28221	27450
20°	30830	26965	25655
25°	30179	25449	23552
30°	29321	23747	21795
35°	28406	22015	20484
40°	27365	20625	19423
45°	26344	19391	18509
50°	25132	18255	17586
55°	23715	17115	16683
60°	22354	15979	15739
65°	20841	14833	14874
70°	19109	13757	14092
75°	16434	12709	13447
80°	12951	11803	12901
85°	8675	11158	12588



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	282.4	2.6
10°-20°	811.9	7.6
20°-30°	1208.9	11.3
30°-40°	1426.5	13.3
40°-50°	1487.7	13.9
50°-60°	1398.0	13.0
60°-70°	1180.6	11.0
70°-80°	892.0	8.3
80°-90°	614.9	5.7
90°-100°	430.3	4.0
100°-110°	321.1	3.0
110°-120°	242.1	2.3
120°-130°	180.5	1.7
130°-140°	126.7	1.2
140°-150°	76.6	0.7
150°-160°	36.6	0.3
160°-170°	11.7	0.1
170°-180°	1.4	0.0
0°-30°	2303.2	21.5
0°-40°	3729.6	34.8
0°-60°	6615.3	61.7
0°-90°	9302.8	86.7
90°-120°	993.5	9.3
90°-150°	1377.4	12.8
90°-180°	1427.0	13.3
0°-180°	10730.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2972	2972	2972	2972	2972	
5°	2983	2978	2949	2971	2963	283
15°	2852	2865	2872	2909	2903	803
25°	2590	2643	2643	2620	2600	1192
35°	2225	2307	2263	2281	2287	1391
45°	1803	1892	1912	1990	2026	1388
55°	1339	1454	1564	1690	1735	1201
65°	891	1033	1208	1366	1419	885
75°	457	633	877	1060	1128	486
85°	104	326	608	808	879	116
90°	2	231	508	702	771	7
95°	2	180	429	615	678	1
105°	4	129	331	480	535	4
115°	4	111	256	382	431	4
125°	6	95	216	313	353	5
135°	6	73	180	255	286	4
145°	7	53	126	195	218	4
155°	7	35	76	124	144	3
165°	9	22	40	55	73	3
175°	9	9	11	11	6	1
180°	6	6	6	6	6	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2972.4	2972.4	2972.4	2972.4	2972.4
2.5°	2994.2	2987.0	2954.2	2972.4	2963.3
5°	2983.3	2977.9	2948.8	2970.6	2963.3
7.5°	2963.3	2961.5	2939.7	2965.1	2957.9
10°	2932.4	2937.8	2921.5	2956.0	2950.6
12.5°	2896.0	2906.9	2901.5	2939.7	2934.2
15°	2852.3	2865.1	2872.4	2908.7	2903.3
17.5°	2794.1	2817.8	2834.2	2863.3	2854.2
20°	2732.3	2765.0	2783.2	2797.8	2783.2
22.5°	2665.0	2708.6	2719.6	2712.3	2697.7
25°	2590.4	2643.2	2643.2	2619.5	2599.5
27.5°	2506.7	2572.2	2554.0	2526.7	2510.4
30°	2415.8	2494.0	2463.1	2432.1	2428.5
32.5°	2324.8	2406.7	2361.2	2353.9	2359.4
35°	2224.8	2306.6	2263.0	2281.2	2286.6
37.5°	2124.7	2206.6	2177.5	2204.7	2221.1
40°	2015.6	2102.9	2084.7	2133.8	2155.6
42.5°	1908.2	1999.2	1997.4	2061.0	2093.8
45°	1802.7	1891.9	1911.9	1990.1	2026.5
47.5°	1688.1	1779.1	1828.2	1919.2	1955.5
50°	1575.3	1673.6	1740.9	1842.7	1884.6
52.5°	1458.9	1562.6	1655.4	1768.2	1811.8
55°	1338.9	1453.5	1564.4	1689.9	1735.4
57.5°	1231.5	1348.0	1478.9	1608.1	1660.8
60°	1113.3	1242.4	1386.2	1522.6	1575.3
62.5°	1006.0	1138.8	1298.8	1442.5	1498.9
65°	891.4	1033.2	1207.9	1366.1	1418.9
67.5°	785.9	931.4	1122.4	1282.5	1340.7
70°	676.7	831.3	1038.7	1207.9	1267.9
72.5°	563.9	727.6	955.0	1135.1	1197.0
75°	456.6	633.0	876.8	1060.5	1127.8
77.5°	356.5	542.1	805.9	995.0	1060.5
80°	258.3	460.2	731.3	927.7	995.0
82.5°	171.0	389.3	671.2	867.7	938.7
85°	103.7	325.6	607.6	807.7	878.6
87.5°	47.3	272.9	556.6	754.9	824.1
90°	1.8	231.0	507.5	702.2	771.3
92.5°	1.8	201.9	467.5	656.7	724.0
95°	1.8	180.1	429.3	614.9	678.5
97.5°	1.8	165.5	400.2	574.8	636.7
100°	1.8	151.0	371.1	538.5	602.1
102.5°	3.6	138.3	349.3	505.7	565.7
105°	3.6	129.2	331.1	480.2	534.8
107.5°	3.6	123.7	311.1	454.8	505.7
110°	3.6	118.2	289.2	429.3	480.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.6	114.6	272.9	407.5	456.6
115°	3.6	111.0	256.5	382.0	431.1
117.5°	3.6	109.1	247.4	362.0	409.3
120°	5.5	103.7	236.5	343.8	389.3
122.5°	5.5	98.2	225.6	329.3	369.3
125°	5.5	94.6	216.5	312.9	352.9
127.5°	5.5	89.1	207.4	298.3	334.7
130°	5.5	83.7	200.1	283.8	318.3
132.5°	5.5	78.2	191.0	269.2	302.0
135°	5.5	72.8	180.1	254.7	285.6
137.5°	5.5	67.3	169.2	240.1	269.2
140°	5.5	61.8	154.6	225.6	252.9
142.5°	5.5	56.4	140.1	211.0	234.7
145°	7.3	52.8	125.5	194.6	218.3
147.5°	7.3	47.3	111.0	178.3	198.3
150°	7.3	43.7	100.1	161.9	180.1
152.5°	7.3	38.2	89.1	143.7	161.9
155°	7.3	34.6	76.4	123.7	143.7
157.5°	7.3	30.9	65.5	103.7	125.5
160°	7.3	29.1	56.4	85.5	107.3
162.5°	9.1	25.5	47.3	69.1	89.1
165°	9.1	21.8	40.0	54.6	72.8
167.5°	9.1	18.2	32.7	41.8	56.4
170°	9.1	14.6	25.5	29.1	43.7
172.5°	9.1	10.9	18.2	20.0	21.8
175°	9.1	9.1	10.9	10.9	5.5
177.5°	9.1	9.1	7.3	5.5	1.8
180°	5.5	5.5	5.5	5.5	5.5

(END OF REPORT)