

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: P566063

Luminaire Tested: **4SNX-116HL-LW-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566063
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-LW-UNV-L835-CD
Description: 4FT 11600 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

Summary

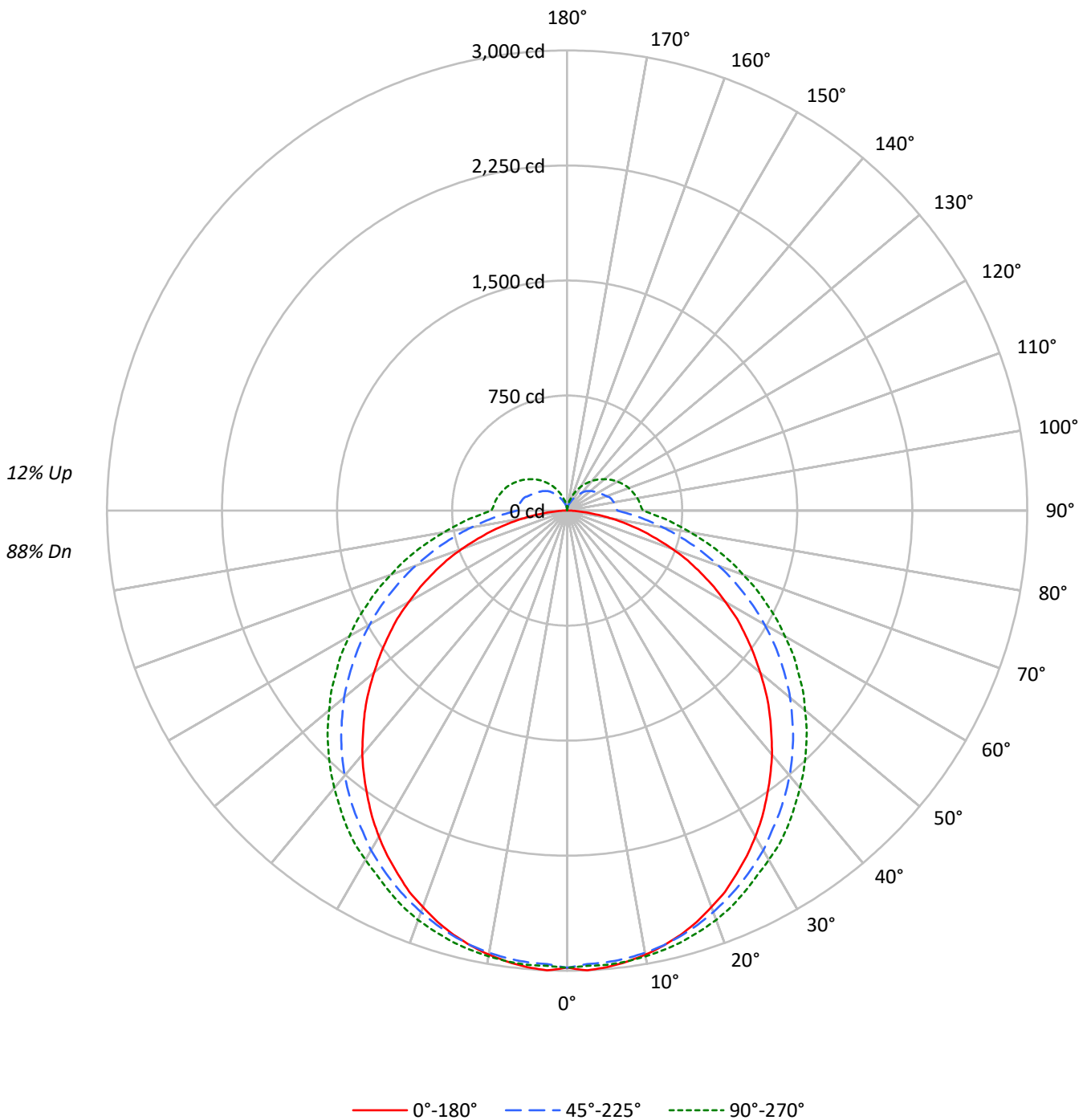
Lumens per Lamp: N/A
Luminaire Lumens: 10729.0 lumens
Efficiency: N/A
Efficacy: 125.6 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Semi-Direct

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	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°	32078	32078	32078
5°	32163	30601	30351
10°	31896	29394	28859
15°	31546	28197	27498
20°	31034	26985	26184
25°	30438	25809	24836
30°	29792	24657	23596
35°	28994	23450	22484
40°	28212	22321	21273
45°	27279	21132	20120
50°	26204	19902	18894
55°	25155	18553	17680
60°	23942	17134	16374
65°	22466	15590	15023
70°	20597	13919	13559
75°	17985	12090	12158
80°	14370	10260	10553
85°	9219	8503	9214



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	282.9	2.6
10°-20°	813.8	7.6
20°-30°	1238.0	11.5
30°-40°	1505.3	14.0
40°-50°	1592.6	14.8
50°-60°	1492.9	13.9
60°-70°	1228.1	11.4
70°-80°	849.8	7.9
80°-90°	472.5	4.4
90°-100°	311.3	2.9
100°-110°	279.2	2.6
110°-120°	231.0	2.2
120°-130°	178.6	1.7
130°-140°	126.4	1.2
140°-150°	76.3	0.7
150°-160°	36.6	0.3
160°-170°	12.0	0.1
170°-180°	1.5	0.0
0°-30°	2334.8	21.8
0°-40°	3840.1	35.8
0°-60°	6925.6	64.6
0°-90°	9476.0	88.3
90°-120°	821.5	7.7
90°-150°	1202.8	11.2
90°-180°	1253.0	11.7
0°-180°	10729.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2980	2980	2980	2980	2980	
5°	2988	2982	2956	2980	2973	284
15°	2862	2872	2870	2908	2908	807
25°	2613	2649	2681	2739	2741	1204
35°	2271	2332	2410	2488	2510	1421
45°	1867	1964	2084	2177	2203	1439
55°	1420	1547	1696	1802	1839	1271
65°	961	1099	1270	1394	1433	953
75°	500	645	834	966	1020	530
85°	110	274	463	592	643	127
90°	2	154	327	450	494	7
95°	2	147	318	435	478	1
105°	2	127	298	410	446	2
115°	4	110	252	364	404	3
125°	4	94	215	310	349	3
135°	4	74	180	255	287	3
145°	4	53	125	193	217	2
155°	6	37	77	123	143	2
165°	6	24	42	57	74	2
175°	6	9	13	13	7	1
180°	4	4	4	4	4	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2980.1	2980.1	2980.1	2980.1	2980.1
2.5°	3000.3	2991.1	2959.9	2980.1	2970.9
5°	2987.5	2981.9	2956.2	2980.1	2972.8
7.5°	2967.2	2965.4	2945.2	2972.8	2965.4
10°	2939.7	2943.4	2926.8	2956.2	2950.7
12.5°	2904.8	2910.3	2902.9	2936.0	2932.3
15°	2862.5	2871.7	2869.9	2908.4	2908.4
17.5°	2811.1	2823.9	2831.3	2875.4	2875.4
20°	2750.4	2770.6	2785.3	2833.1	2840.5
22.5°	2689.8	2713.7	2735.7	2785.3	2796.4
25°	2612.6	2649.4	2680.6	2739.4	2741.3
27.5°	2537.3	2577.7	2620.0	2676.9	2682.5
30°	2454.6	2506.1	2557.5	2612.6	2629.2
32.5°	2366.4	2423.4	2480.4	2553.8	2575.9
35°	2270.9	2331.5	2410.5	2487.7	2509.8
37.5°	2175.4	2243.3	2335.2	2414.2	2434.4
40°	2078.0	2153.3	2256.2	2337.0	2360.9
42.5°	1969.6	2061.5	2171.7	2258.0	2285.6
45°	1866.7	1964.1	2083.5	2177.2	2202.9
47.5°	1758.3	1861.2	1989.8	2089.0	2118.4
50°	1642.5	1760.1	1897.9	1997.1	2024.7
52.5°	1534.1	1653.6	1798.7	1901.6	1940.2
55°	1420.2	1547.0	1695.8	1802.4	1839.1
57.5°	1313.7	1434.9	1594.8	1701.3	1747.3
60°	1192.4	1326.5	1486.4	1602.1	1638.9
62.5°	1078.5	1214.5	1379.8	1499.2	1541.5
65°	960.9	1098.7	1269.6	1394.5	1433.1
67.5°	850.7	986.6	1161.2	1284.3	1333.9
70°	729.4	872.7	1050.9	1177.7	1220.0
72.5°	610.0	758.8	940.7	1076.7	1124.4
75°	499.7	644.9	834.1	966.4	1019.7
77.5°	393.2	540.2	731.2	867.2	913.1
80°	286.6	441.0	635.7	769.8	813.9
82.5°	189.2	350.9	543.8	678.0	725.7
85°	110.2	273.8	463.0	591.6	643.1
87.5°	47.8	207.6	387.7	514.4	556.7
90°	1.8	154.3	327.0	450.1	494.2
92.5°	1.8	150.7	319.7	441.0	483.2
95°	1.8	147.0	317.9	435.4	477.7
97.5°	1.8	145.1	314.2	431.8	472.2
100°	1.8	139.6	308.7	424.4	464.8
102.5°	1.8	132.3	303.2	417.1	455.7
105°	1.8	126.8	297.6	409.7	446.5
107.5°	1.8	121.3	288.5	400.5	437.3
110°	1.8	115.7	273.8	391.3	428.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.8	113.9	262.7	378.5	417.1
115°	3.7	110.2	251.7	363.8	404.2
117.5°	3.7	108.4	242.5	349.1	391.3
120°	3.7	102.9	233.3	336.2	376.6
122.5°	3.7	97.4	224.2	323.4	363.8
125°	3.7	93.7	215.0	310.5	349.1
127.5°	3.7	88.2	207.6	297.6	332.6
130°	3.7	84.5	198.4	282.9	317.9
132.5°	3.7	79.0	189.2	268.2	301.3
135°	3.7	73.5	180.1	255.4	286.6
137.5°	3.7	66.1	169.0	240.7	270.1
140°	3.7	60.6	154.3	226.0	253.5
142.5°	3.7	57.0	139.6	209.5	235.2
145°	3.7	53.3	124.9	192.9	216.8
147.5°	3.7	49.6	112.1	176.4	198.4
150°	3.7	44.1	99.2	161.7	180.1
152.5°	5.5	40.4	88.2	143.3	161.7
155°	5.5	36.7	77.2	123.1	143.3
157.5°	5.5	33.1	66.1	102.9	124.9
160°	5.5	29.4	57.0	84.5	106.6
162.5°	5.5	27.6	49.6	69.8	90.0
165°	5.5	23.9	42.3	57.0	73.5
167.5°	5.5	18.4	34.9	44.1	60.6
170°	5.5	14.7	27.6	31.2	45.9
172.5°	5.5	11.0	20.2	22.0	23.9
175°	5.5	9.2	12.9	12.9	7.3
177.5°	5.5	7.3	7.3	7.3	3.7
180°	3.7	3.7	3.7	3.7	3.7

(END OF REPORT)