

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: P566055

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566055
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-L835-CD
Description: 4FT 11600 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

Summary

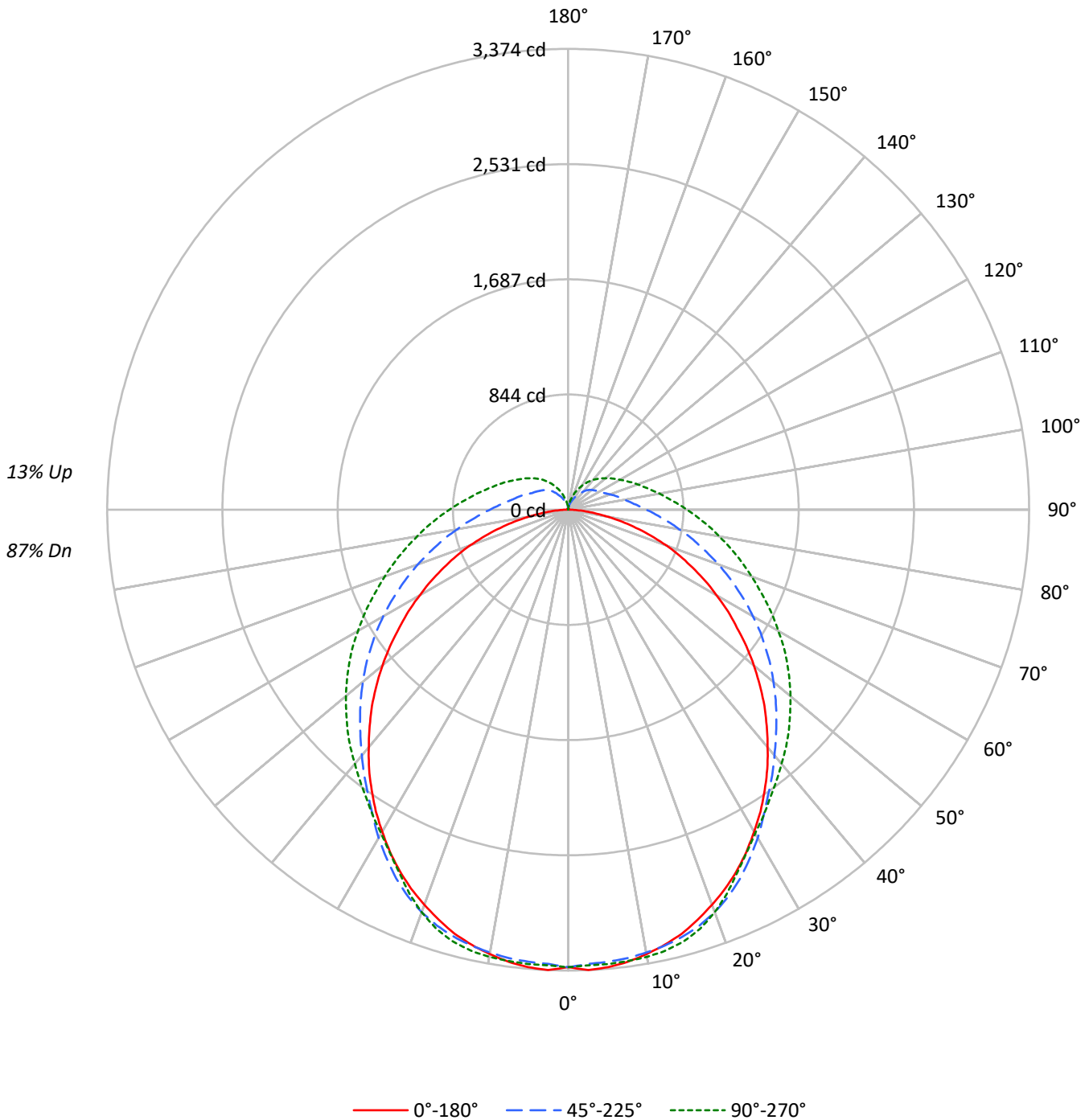
Lumens per Lamp: N/A
Luminaire Lumens: 12090.0 lumens
Efficiency: N/A
Efficacy: 141.6 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.35
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Semi-Direct

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°	36051	36051	36051
5°	36189	34393	34089
10°	35850	33060	32515
15°	35419	31798	30929
20°	34738	30383	28908
25°	34004	28674	26537
30°	33037	26756	24557
35°	32005	24805	23080
40°	30832	23238	21886
45°	29683	21849	20854
50°	28317	20569	19816
55°	26721	19285	18798
60°	25187	18003	17734
65°	23481	16713	16759
70°	21532	15502	15878
75°	18518	14319	15152
80°	14595	13299	14537
85°	9771	12572	14184



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	318.2	2.6
10°-20°	914.8	7.6
20°-30°	1362.1	11.3
30°-40°	1607.3	13.3
40°-50°	1676.2	13.9
50°-60°	1575.2	13.0
60°-70°	1330.3	11.0
70°-80°	1005.1	8.3
80°-90°	692.8	5.7
90°-100°	484.8	4.0
100°-110°	361.8	3.0
110°-120°	272.8	2.3
120°-130°	203.4	1.7
130°-140°	142.8	1.2
140°-150°	86.3	0.7
150°-160°	41.3	0.3
160°-170°	13.2	0.1
170°-180°	1.6	0.0
0°-30°	2595.1	21.5
0°-40°	4202.3	34.8
0°-60°	7453.8	61.7
0°-90°	10482.0	86.7
90°-120°	1119.4	9.3
90°-150°	1551.9	12.8
90°-180°	1608.0	13.3
0°-180°	12090.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3349	3349	3349	3349	3349	
5°	3362	3355	3322	3347	3339	319
15°	3214	3228	3236	3277	3271	905
25°	2919	2978	2978	2952	2929	1343
35°	2507	2599	2550	2570	2576	1568
45°	2031	2132	2154	2242	2283	1564
55°	1509	1638	1763	1904	1955	1354
65°	1004	1164	1361	1539	1599	997
75°	514	713	988	1195	1271	548
85°	117	367	685	910	990	131
90°	2	260	572	791	869	8
95°	2	203	484	693	764	2
105°	4	146	373	541	603	4
115°	4	125	289	430	486	4
125°	6	107	244	352	398	5
135°	6	82	203	287	322	5
145°	8	59	141	219	246	5
155°	8	39	86	139	162	4
165°	10	25	45	62	82	3
175°	10	10	12	12	6	1
180°	6	6	6	6	6	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3349.2	3349.2	3349.2	3349.2	3349.2
2.5°	3373.8	3365.6	3328.7	3349.2	3338.9
5°	3361.5	3355.3	3322.5	3347.1	3338.9
7.5°	3338.9	3336.9	3312.3	3341.0	3332.8
10°	3304.1	3310.2	3291.8	3330.7	3324.6
12.5°	3263.1	3275.4	3269.2	3312.3	3306.1
15°	3213.9	3228.2	3236.4	3277.4	3271.3
17.5°	3148.3	3174.9	3193.4	3226.2	3215.9
20°	3078.6	3115.5	3136.0	3152.4	3136.0
22.5°	3002.8	3052.0	3064.3	3056.1	3039.7
25°	2918.7	2978.2	2978.2	2951.5	2929.0
27.5°	2824.4	2898.2	2877.7	2847.0	2828.5
30°	2722.0	2810.1	2775.2	2740.4	2736.3
32.5°	2619.5	2711.7	2660.5	2652.3	2658.4
35°	2506.7	2599.0	2549.8	2570.3	2576.4
37.5°	2394.0	2486.2	2453.5	2484.2	2502.6
40°	2271.0	2369.4	2348.9	2404.3	2428.9
42.5°	2150.1	2252.6	2250.5	2322.3	2359.2
45°	2031.2	2131.7	2154.2	2242.3	2283.3
47.5°	1902.1	2004.6	2059.9	2162.4	2203.4
50°	1775.0	1885.7	1961.5	2076.3	2123.5
52.5°	1643.8	1760.7	1865.2	1992.3	2041.5
55°	1508.6	1637.7	1762.7	1904.1	1955.4
57.5°	1387.6	1518.8	1666.4	1811.9	1871.3
60°	1254.4	1399.9	1561.8	1715.6	1775.0
62.5°	1133.5	1283.1	1463.5	1625.4	1688.9
65°	1004.3	1164.2	1361.0	1539.3	1598.7
67.5°	885.5	1049.4	1264.6	1445.0	1510.6
70°	762.5	936.7	1170.4	1361.0	1428.6
72.5°	635.4	819.9	1076.1	1279.0	1348.7
75°	514.5	713.3	987.9	1195.0	1270.8
77.5°	401.7	610.8	908.0	1121.2	1195.0
80°	291.1	518.6	824.0	1045.3	1121.2
82.5°	192.7	438.6	756.3	977.7	1057.6
85°	116.8	366.9	684.6	910.1	990.0
87.5°	53.3	307.4	627.2	850.6	928.5
90°	2.0	260.3	571.9	791.2	869.1
92.5°	2.0	227.5	526.8	739.9	815.8
95°	2.0	202.9	483.7	692.8	764.5
97.5°	2.0	186.5	450.9	647.7	717.4
100°	2.0	170.1	418.1	606.7	678.4
102.5°	4.1	155.8	393.5	569.8	637.4
105°	4.1	145.5	373.0	541.1	602.6
107.5°	4.1	139.4	350.5	512.4	569.8
110°	4.1	133.2	325.9	483.7	541.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	4.1	129.1	307.4	459.1	514.5
115°	4.1	125.0	289.0	430.4	485.8
117.5°	4.1	123.0	278.8	407.9	461.2
120°	6.1	116.8	266.5	387.4	438.6
122.5°	6.1	110.7	254.2	371.0	416.1
125°	6.1	106.6	243.9	352.5	397.6
127.5°	6.1	100.4	233.7	336.1	377.1
130°	6.1	94.3	225.5	319.7	358.7
132.5°	6.1	88.1	215.2	303.4	340.2
135°	6.1	82.0	202.9	287.0	321.8
137.5°	6.1	75.8	190.6	270.6	303.4
140°	6.1	69.7	174.2	254.2	284.9
142.5°	6.1	63.5	157.8	237.8	264.4
145°	8.2	59.4	141.4	219.3	246.0
147.5°	8.2	53.3	125.0	200.9	223.4
150°	8.2	49.2	112.7	182.4	202.9
152.5°	8.2	43.0	100.4	161.9	182.4
155°	8.2	38.9	86.1	139.4	161.9
157.5°	8.2	34.8	73.8	116.8	141.4
160°	8.2	32.8	63.5	96.3	120.9
162.5°	10.2	28.7	53.3	77.9	100.4
165°	10.2	24.6	45.1	61.5	82.0
167.5°	10.2	20.5	36.9	47.1	63.5
170°	10.2	16.4	28.7	32.8	49.2
172.5°	10.2	12.3	20.5	22.5	24.6
175°	10.2	10.2	12.3	12.3	6.1
177.5°	10.2	10.2	8.2	6.1	2.0
180°	6.1	6.1	6.1	6.1	6.1

(END OF REPORT)