

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: P566060

Luminaire Tested: **4SNX-116HL-LN-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566060
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-L940-CD
Description: 4FT 11600 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

Summary

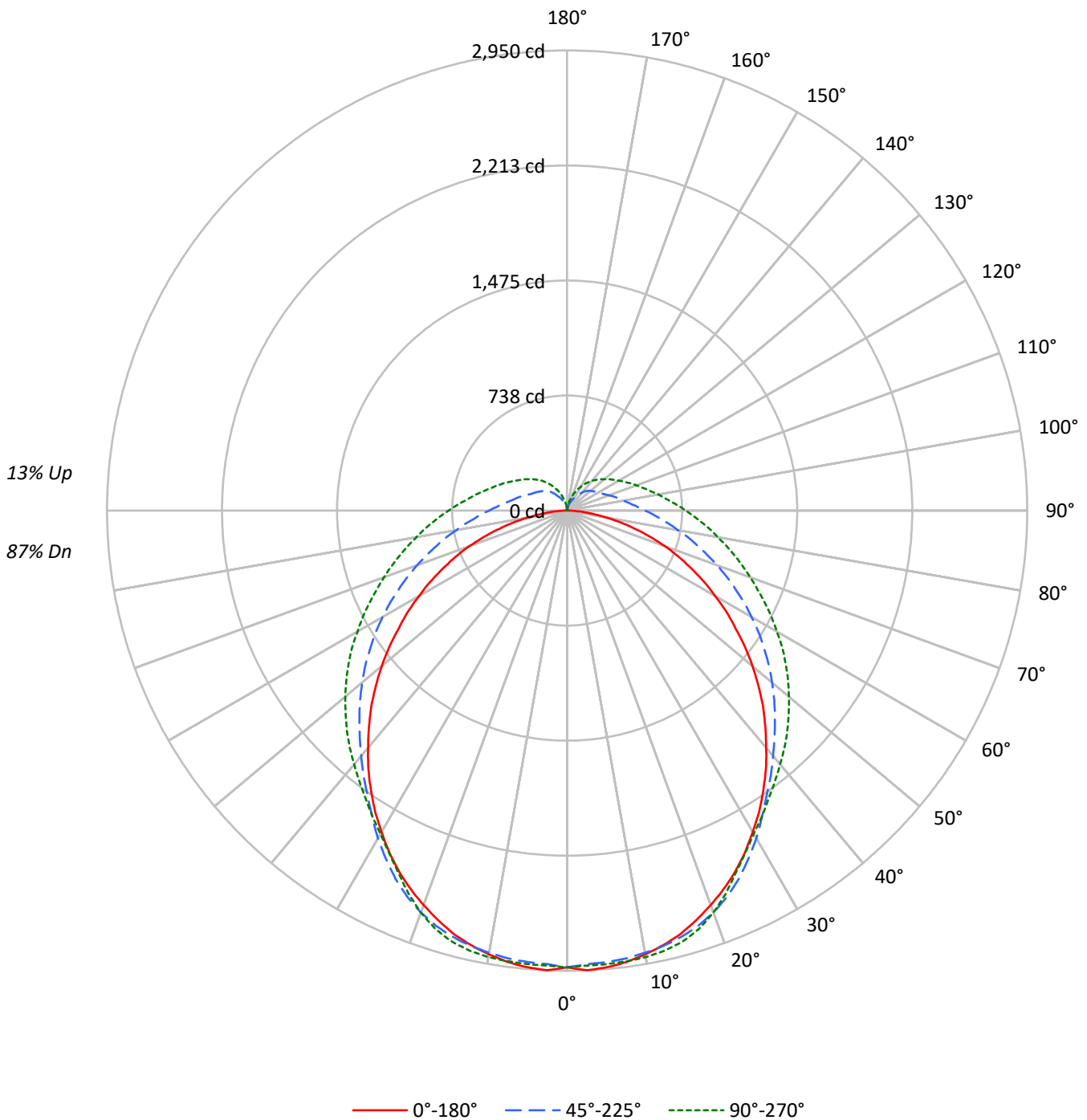
Lumens per Lamp: N/A
Luminaire Lumens: 10570.0 lumens
Efficiency: N/A
Efficacy: 123.8 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.35
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Semi-Direct

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	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°	31518	31518	31518
5°	31638	30069	29803
10°	31343	28903	28427
15°	30966	27800	27040
20°	30370	26563	25273
25°	29729	25068	23200
30°	28883	23392	21470
35°	27982	21687	20179
40°	26956	20317	19134
45°	25951	19102	18233
50°	24757	17983	17324
55°	23361	16860	16434
60°	22020	15741	15504
65°	20530	14612	14652
70°	18824	13552	13881
75°	16189	12519	13247
80°	12760	11627	12709
85°	8542	10991	12400



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	278.2	2.6
10°-20°	799.8	7.6
20°-30°	1190.9	11.3
30°-40°	1405.2	13.3
40°-50°	1465.5	13.9
50°-60°	1377.2	13.0
60°-70°	1163.0	11.0
70°-80°	878.7	8.3
80°-90°	605.7	5.7
90°-100°	423.9	4.0
100°-110°	316.3	3.0
110°-120°	238.5	2.3
120°-130°	177.8	1.7
130°-140°	124.8	1.2
140°-150°	75.5	0.7
150°-160°	36.1	0.3
160°-170°	11.6	0.1
170°-180°	1.4	0.0
0°-30°	2268.8	21.5
0°-40°	3674.0	34.8
0°-60°	6516.6	61.7
0°-90°	9164.1	86.7
90°-120°	978.7	9.3
90°-150°	1356.8	12.8
90°-180°	1406.0	13.3
0°-180°	10570.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2928	2928	2928	2928	2928	
5°	2939	2934	2905	2926	2919	279
15°	2810	2822	2830	2865	2860	791
25°	2552	2604	2604	2580	2561	1174
35°	2192	2272	2229	2247	2252	1371
45°	1776	1864	1883	1960	1996	1368
55°	1319	1432	1541	1665	1710	1183
65°	878	1018	1190	1346	1398	872
75°	450	624	864	1045	1111	479
85°	102	321	598	796	866	114
90°	2	228	500	692	760	7
95°	2	177	423	606	668	1
105°	4	127	326	473	527	4
115°	4	109	253	376	425	4
125°	5	93	213	308	348	5
135°	5	72	177	251	281	4
145°	7	52	124	192	215	4
155°	7	34	75	122	142	3
165°	9	22	39	54	72	2
175°	9	9	11	11	5	1
180°	5	5	5	5	5	



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CATALOG NUMBER: 4SNX-116HL-LN-UNV-L940-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2928.1	2928.1	2928.1	2928.1	2928.1
2.5°	2949.6	2942.4	2910.2	2928.1	2919.1
5°	2938.8	2933.5	2904.8	2926.3	2919.1
7.5°	2919.1	2917.3	2895.8	2920.9	2913.8
10°	2888.7	2894.0	2877.9	2912.0	2906.6
12.5°	2852.8	2863.6	2858.2	2895.8	2890.5
15°	2809.8	2822.4	2829.5	2865.4	2860.0
17.5°	2752.5	2775.8	2791.9	2820.6	2811.6
20°	2691.5	2723.8	2741.7	2756.1	2741.7
22.5°	2625.2	2668.3	2679.0	2671.8	2657.5
25°	2551.8	2603.7	2603.7	2580.4	2560.7
27.5°	2469.3	2533.9	2515.9	2489.1	2472.9
30°	2379.7	2456.8	2426.3	2395.9	2392.3
32.5°	2290.1	2370.8	2326.0	2318.8	2324.2
35°	2191.6	2272.2	2229.2	2247.1	2252.5
37.5°	2093.0	2173.7	2145.0	2171.9	2188.0
40°	1985.5	2071.5	2053.6	2102.0	2123.5
42.5°	1879.8	1969.4	1967.6	2030.3	2062.6
45°	1775.8	1863.7	1883.4	1960.4	1996.3
47.5°	1663.0	1752.6	1800.9	1890.5	1926.4
50°	1551.8	1648.6	1714.9	1815.3	1856.5
52.5°	1437.2	1539.3	1630.7	1741.8	1784.8
55°	1318.9	1431.8	1541.1	1664.7	1709.5
57.5°	1213.2	1327.9	1456.9	1584.1	1636.1
60°	1096.7	1223.9	1365.5	1499.9	1551.8
62.5°	991.0	1121.8	1279.5	1421.0	1476.6
65°	878.1	1017.8	1189.9	1345.8	1397.7
67.5°	774.1	917.5	1105.6	1263.3	1320.7
70°	666.6	818.9	1023.2	1189.9	1249.0
72.5°	555.5	716.8	940.8	1118.2	1179.1
75°	449.8	623.6	863.7	1044.7	1111.0
77.5°	351.2	534.0	793.8	980.2	1044.7
80°	254.5	453.4	720.4	913.9	980.2
82.5°	168.4	383.5	661.2	854.8	924.7
85°	102.1	320.8	598.5	795.6	865.5
87.5°	46.6	268.8	548.3	743.7	811.8
90°	1.8	227.6	500.0	691.7	759.8
92.5°	1.8	198.9	460.5	646.9	713.2
95°	1.8	177.4	422.9	605.7	668.4
97.5°	1.8	163.1	394.2	566.3	627.2
100°	1.8	148.7	365.6	530.4	593.1
102.5°	3.6	136.2	344.1	498.2	557.3
105°	3.6	127.2	326.1	473.1	526.8
107.5°	3.6	121.9	306.4	448.0	498.2
110°	3.6	116.5	284.9	422.9	473.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.6	112.9	268.8	401.4	449.8
115°	3.6	109.3	252.7	376.3	424.7
117.5°	3.6	107.5	243.7	356.6	403.2
120°	5.4	102.1	233.0	338.7	383.5
122.5°	5.4	96.8	222.2	324.3	363.8
125°	5.4	93.2	213.2	308.2	347.6
127.5°	5.4	87.8	204.3	293.9	329.7
130°	5.4	82.4	197.1	279.5	313.6
132.5°	5.4	77.1	188.2	265.2	297.5
135°	5.4	71.7	177.4	250.9	281.3
137.5°	5.4	66.3	166.7	236.5	265.2
140°	5.4	60.9	152.3	222.2	249.1
142.5°	5.4	55.6	138.0	207.9	231.2
145°	7.2	52.0	123.6	191.7	215.0
147.5°	7.2	46.6	109.3	175.6	195.3
150°	7.2	43.0	98.6	159.5	177.4
152.5°	7.2	37.6	87.8	141.6	159.5
155°	7.2	34.0	75.3	121.9	141.6
157.5°	7.2	30.5	64.5	102.1	123.6
160°	7.2	28.7	55.6	84.2	105.7
162.5°	9.0	25.1	46.6	68.1	87.8
165°	9.0	21.5	39.4	53.8	71.7
167.5°	9.0	17.9	32.3	41.2	55.6
170°	9.0	14.3	25.1	28.7	43.0
172.5°	9.0	10.8	17.9	19.7	21.5
175°	9.0	9.0	10.8	10.8	5.4
177.5°	9.0	9.0	7.2	5.4	1.8
180°	5.4	5.4	5.4	5.4	5.4

(END OF REPORT)