

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: P566067

Luminaire Tested: **4SNX-116HL-LW-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566067
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-L935-CD
Description: 4FT 11600 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

Summary

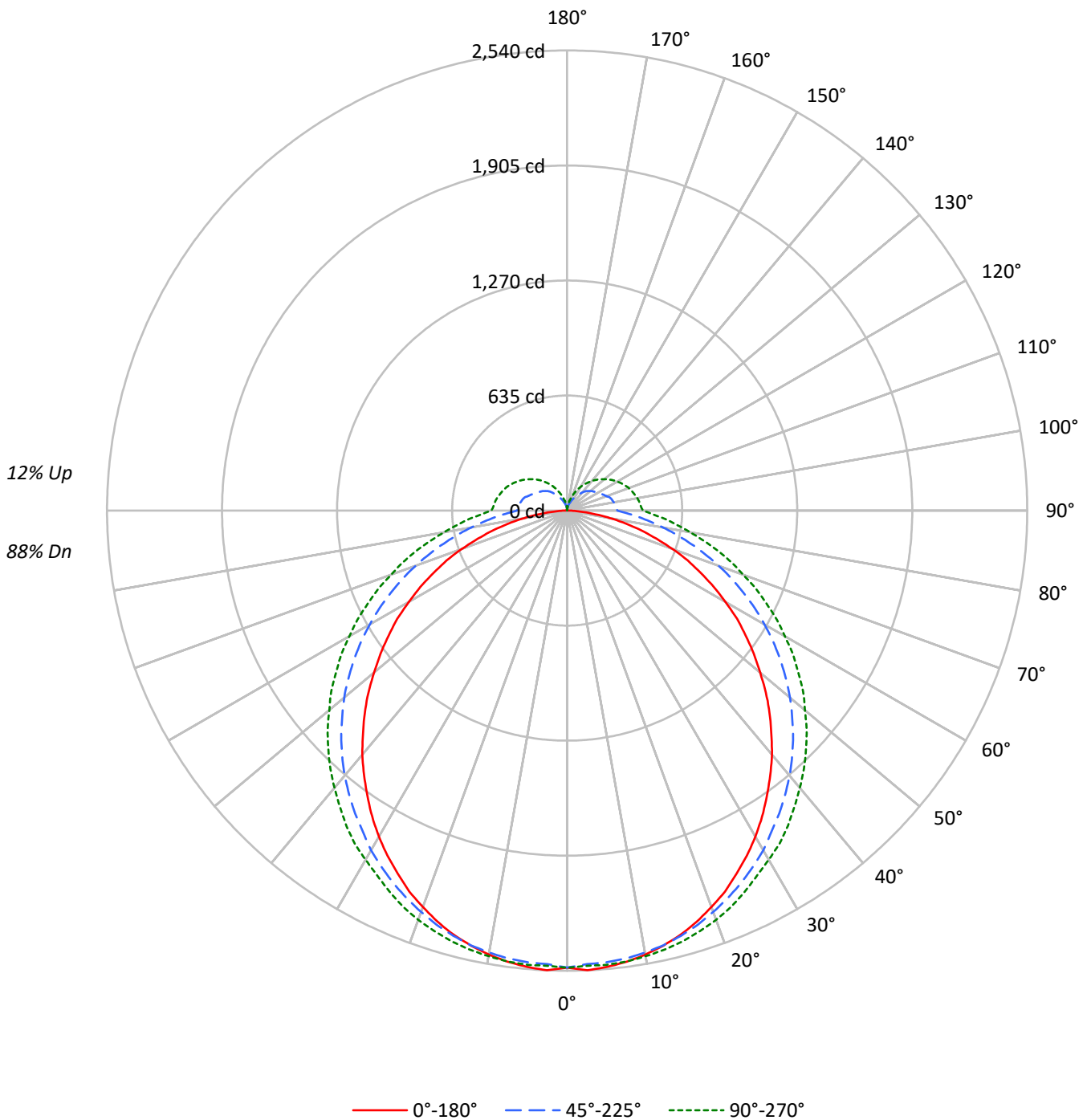
Lumens per Lamp: N/A
Luminaire Lumens: 9082.0 lumens
Efficiency: N/A
Efficacy: 106.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Semi-Direct

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	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°	27153	27153	27153
5°	27225	25903	25691
10°	27000	24882	24428
15°	26704	23868	23277
20°	26270	22843	22164
25°	25766	21847	21023
30°	25219	20872	19974
35°	24544	19851	19032
40°	23881	18895	18008
45°	23091	17888	17032
50°	22182	16847	15993
55°	21294	15705	14966
60°	20267	14504	13861
65°	19018	13197	12716
70°	17435	11783	11478
75°	15224	10234	10292
80°	12164	8685	8933
85°	7805	7197	7798



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	239.5	2.6
10°-20°	688.9	7.6
20°-30°	1048.0	11.5
30°-40°	1274.3	14.0
40°-50°	1348.1	14.8
50°-60°	1263.7	13.9
60°-70°	1039.6	11.4
70°-80°	719.3	7.9
80°-90°	400.0	4.4
90°-100°	263.5	2.9
100°-110°	236.3	2.6
110°-120°	195.6	2.2
120°-130°	151.2	1.7
130°-140°	107.0	1.2
140°-150°	64.6	0.7
150°-160°	31.0	0.3
160°-170°	10.2	0.1
170°-180°	1.2	0.0
0°-30°	1976.4	21.8
0°-40°	3250.6	35.8
0°-60°	5862.5	64.6
0°-90°	8021.4	88.3
90°-120°	695.4	7.7
90°-150°	1018.2	11.2
90°-180°	1061.0	11.7
0°-180°	9082.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2523	2523	2523	2523	2523	
5°	2529	2524	2502	2523	2516	240
15°	2423	2431	2429	2462	2462	683
25°	2212	2243	2269	2319	2320	1019
35°	1922	1974	2040	2106	2124	1203
45°	1580	1663	1764	1843	1865	1218
55°	1202	1310	1436	1526	1557	1076
65°	813	930	1075	1180	1213	806
75°	423	546	706	818	863	449
85°	93	232	392	501	544	107
90°	2	131	277	381	418	6
95°	2	124	269	369	404	1
105°	2	107	252	347	378	2
115°	3	93	213	308	342	3
125°	3	79	182	263	296	3
135°	3	62	152	216	243	2
145°	3	45	106	163	184	2
155°	5	31	65	104	121	2
165°	5	20	36	48	62	1
175°	5	8	11	11	6	0
180°	3	3	3	3	3	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2522.6	2522.6	2522.6	2522.6	2522.6
2.5°	2539.7	2532.0	2505.5	2522.6	2514.9
5°	2528.8	2524.2	2502.4	2522.6	2516.4
7.5°	2511.7	2510.2	2493.1	2516.4	2510.2
10°	2488.4	2491.5	2477.5	2502.4	2497.7
12.5°	2458.9	2463.5	2457.3	2485.3	2482.2
15°	2423.1	2430.9	2429.3	2462.0	2462.0
17.5°	2379.5	2390.4	2396.7	2434.0	2434.0
20°	2328.2	2345.3	2357.8	2398.2	2404.4
22.5°	2276.9	2297.1	2315.8	2357.8	2367.1
25°	2211.6	2242.7	2269.1	2318.9	2320.4
27.5°	2147.8	2182.0	2217.8	2266.0	2270.7
30°	2077.8	2121.4	2164.9	2211.6	2225.6
32.5°	2003.2	2051.4	2099.6	2161.8	2180.5
35°	1922.3	1973.6	2040.5	2105.8	2124.5
37.5°	1841.4	1899.0	1976.7	2043.6	2060.7
40°	1759.0	1822.8	1909.9	1978.3	1998.5
42.5°	1667.2	1745.0	1838.3	1911.4	1934.7
45°	1580.1	1662.6	1763.7	1843.0	1864.8
47.5°	1488.4	1575.5	1684.3	1768.3	1793.2
50°	1390.4	1489.9	1606.6	1690.6	1713.9
52.5°	1298.6	1399.7	1522.6	1609.7	1642.4
55°	1202.2	1309.5	1435.5	1525.7	1556.8
57.5°	1112.0	1214.7	1350.0	1440.2	1479.1
60°	1009.4	1122.9	1258.2	1356.2	1387.3
62.5°	912.9	1028.0	1168.0	1269.1	1304.9
65°	813.4	930.0	1074.7	1180.4	1213.1
67.5°	720.1	835.2	982.9	1087.1	1129.1
70°	617.4	738.7	889.6	996.9	1032.7
72.5°	516.3	642.3	796.3	911.4	951.8
75°	423.0	545.9	706.1	818.1	863.2
77.5°	332.8	457.2	619.0	734.1	773.0
80°	242.6	373.3	538.1	651.7	689.0
82.5°	160.2	297.1	460.4	573.9	614.3
85°	93.3	231.7	391.9	500.8	544.3
87.5°	40.4	175.7	328.2	435.5	471.2
90°	1.6	130.6	276.8	381.0	418.4
92.5°	1.6	127.5	270.6	373.3	409.0
95°	1.6	124.4	269.1	368.6	404.4
97.5°	1.6	122.9	265.9	365.5	399.7
100°	1.6	118.2	261.3	359.3	393.5
102.5°	1.6	112.0	256.6	353.0	385.7
105°	1.6	107.3	252.0	346.8	377.9
107.5°	1.6	102.6	244.2	339.0	370.2
110°	1.6	98.0	231.7	331.3	362.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.6	96.4	222.4	320.4	353.0
115°	3.1	93.3	213.1	307.9	342.2
117.5°	3.1	91.8	205.3	295.5	331.3
120°	3.1	87.1	197.5	284.6	318.8
122.5°	3.1	82.4	189.7	273.7	307.9
125°	3.1	79.3	182.0	262.8	295.5
127.5°	3.1	74.7	175.7	252.0	281.5
130°	3.1	71.5	168.0	239.5	269.1
132.5°	3.1	66.9	160.2	227.1	255.1
135°	3.1	62.2	152.4	216.2	242.6
137.5°	3.1	56.0	143.1	203.7	228.6
140°	3.1	51.3	130.6	191.3	214.6
142.5°	3.1	48.2	118.2	177.3	199.1
145°	3.1	45.1	105.8	163.3	183.5
147.5°	3.1	42.0	94.9	149.3	168.0
150°	3.1	37.3	84.0	136.9	152.4
152.5°	4.7	34.2	74.7	121.3	136.9
155°	4.7	31.1	65.3	104.2	121.3
157.5°	4.7	28.0	56.0	87.1	105.8
160°	4.7	24.9	48.2	71.5	90.2
162.5°	4.7	23.3	42.0	59.1	76.2
165°	4.7	20.2	35.8	48.2	62.2
167.5°	4.7	15.6	29.5	37.3	51.3
170°	4.7	12.4	23.3	26.4	38.9
172.5°	4.7	9.3	17.1	18.7	20.2
175°	4.7	7.8	10.9	10.9	6.2
177.5°	4.7	6.2	6.2	6.2	3.1
180°	3.1	3.1	3.1	3.1	3.1

(END OF REPORT)