

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: P566069

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

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566069  
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-L950-CD  
Description: 4FT 11600 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

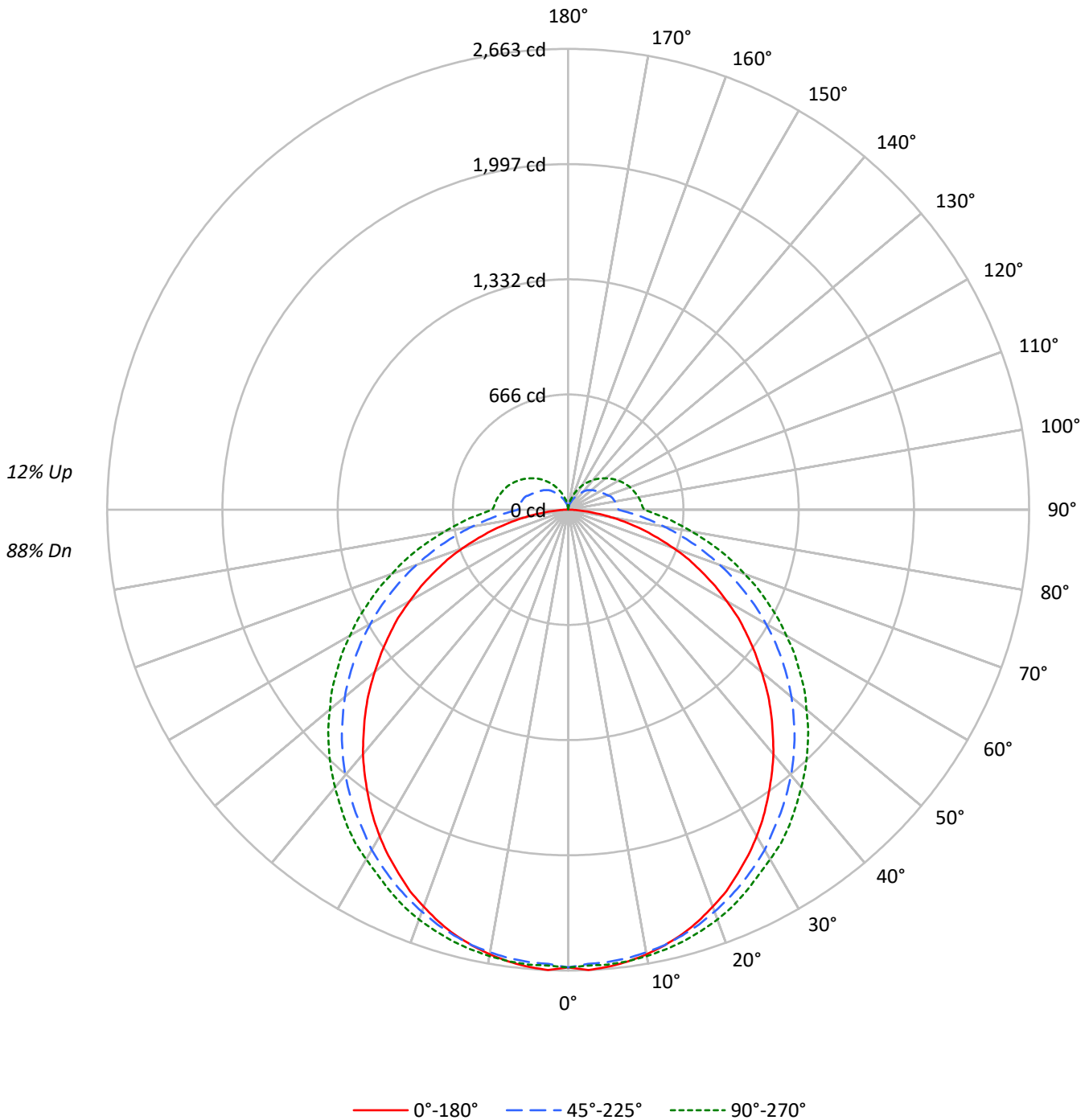
Lumens per Lamp: N/A  
Luminaire Lumens: 9522.0 lumens  
Efficiency: N/A  
Efficacy: 111.5 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')  
CIE Type: Semi-Direct

Input Watts (W): 85.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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°	28468	28468	28468
5°	28544	27158	26936
10°	28308	26088	25613
15°	27998	25024	24404
20°	27543	23950	23238
25°	27014	22906	22042
30°	26441	21883	20942
35°	25732	20813	19954
40°	25038	19810	18880
45°	24210	18754	17857
50°	23257	17663	16768
55°	22326	16465	15691
60°	21249	15207	14532
65°	19939	13835	13333
70°	18282	12353	12033
75°	15962	10730	10790
80°	12755	9106	9366
85°	8182	7546	8176



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	251.1	2.6
10°-20°	722.3	7.6
20°-30°	1098.8	11.5
30°-40°	1336.0	14.0
40°-50°	1413.5	14.8
50°-60°	1324.9	13.9
60°-70°	1090.0	11.4
70°-80°	754.2	7.9
80°-90°	419.4	4.4
90°-100°	276.3	2.9
100°-110°	247.7	2.6
110°-120°	205.1	2.2
120°-130°	158.5	1.7
130°-140°	112.2	1.2
140°-150°	67.7	0.7
150°-160°	32.5	0.3
160°-170°	10.6	0.1
170°-180°	1.3	0.0
0°-30°	2072.1	21.8
0°-40°	3408.1	35.8
0°-60°	6146.5	64.6
0°-90°	8410.0	88.3
90°-120°	729.1	7.7
90°-150°	1067.5	11.2
90°-180°	1112.0	11.7
0°-180°	9522.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2645	2645	2645	2645	2645	
5°	2651	2646	2624	2645	2638	252
15°	2540	2549	2547	2581	2581	716
25°	2319	2351	2379	2431	2433	1069
35°	2015	2069	2139	2208	2227	1261
45°	1657	1743	1849	1932	1955	1277
55°	1260	1373	1505	1600	1632	1128
65°	853	975	1127	1238	1272	846
75°	444	572	740	858	905	471
85°	98	243	411	525	571	113
90°	2	137	290	400	439	6
95°	2	130	282	386	424	1
105°	2	112	264	364	396	2
115°	3	98	223	323	359	3
125°	3	83	191	276	310	3
135°	3	65	160	227	254	3
145°	3	47	111	171	192	2
155°	5	33	68	109	127	2
165°	5	21	38	50	65	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°	2644.8	2644.8	2644.8	2644.8	2644.8
2.5°	2662.8	2654.6	2626.9	2644.8	2636.7
5°	2651.4	2646.5	2623.6	2644.8	2638.3
7.5°	2633.4	2631.8	2613.9	2638.3	2631.8
10°	2609.0	2612.2	2597.6	2623.6	2618.8
12.5°	2578.0	2582.9	2576.4	2605.7	2602.4
15°	2540.5	2548.6	2547.0	2581.2	2581.2
17.5°	2494.8	2506.2	2512.8	2551.9	2551.9
20°	2441.0	2459.0	2472.0	2514.4	2520.9
22.5°	2387.2	2408.4	2428.0	2472.0	2481.8
25°	2318.7	2351.3	2379.1	2431.2	2432.9
27.5°	2251.9	2287.7	2325.2	2375.8	2380.7
30°	2178.5	2224.1	2269.8	2318.7	2333.4
32.5°	2100.2	2150.8	2201.3	2266.5	2286.1
35°	2015.4	2069.2	2139.4	2207.8	2227.4
37.5°	1930.6	1991.0	2072.5	2142.6	2160.6
40°	1844.2	1911.1	2002.4	2074.1	2095.3
42.5°	1748.0	1829.5	1927.4	2004.0	2028.5
45°	1656.7	1743.1	1849.1	1932.3	1955.1
47.5°	1560.5	1651.8	1765.9	1854.0	1880.1
50°	1457.8	1562.1	1684.4	1772.5	1796.9
52.5°	1361.6	1467.5	1596.4	1687.7	1721.9
55°	1260.5	1373.0	1505.0	1599.6	1632.2
57.5°	1165.9	1273.5	1415.4	1509.9	1550.7
60°	1058.3	1177.3	1319.2	1421.9	1454.5
62.5°	957.2	1077.8	1224.6	1330.6	1368.1
65°	852.8	975.1	1126.7	1237.6	1271.9
67.5°	755.0	875.6	1030.5	1139.8	1183.8
70°	647.4	774.5	932.7	1045.2	1082.7
72.5°	541.4	673.4	834.9	955.5	997.9
75°	443.5	572.3	740.3	857.7	905.0
77.5°	348.9	479.4	649.0	769.6	810.4
80°	254.4	391.3	564.2	683.2	722.4
82.5°	168.0	311.4	482.7	601.7	644.1
85°	97.8	243.0	410.9	525.1	570.7
87.5°	42.4	184.3	344.1	456.6	494.1
90°	1.6	137.0	290.2	399.5	438.6
92.5°	1.6	133.7	283.7	391.3	428.8
95°	1.6	130.4	282.1	386.5	424.0
97.5°	1.6	128.8	278.8	383.2	419.1
100°	1.6	123.9	273.9	376.7	412.5
102.5°	1.6	117.4	269.1	370.1	404.4
105°	1.6	112.5	264.2	363.6	396.2
107.5°	1.6	107.6	256.0	355.5	388.1
110°	1.6	102.7	243.0	347.3	379.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.6	101.1	233.2	335.9	370.1
115°	3.3	97.8	223.4	322.9	358.7
117.5°	3.3	96.2	215.2	309.8	347.3
120°	3.3	91.3	207.1	298.4	334.3
122.5°	3.3	86.4	198.9	287.0	322.9
125°	3.3	83.2	190.8	275.6	309.8
127.5°	3.3	78.3	184.3	264.2	295.1
130°	3.3	75.0	176.1	251.1	282.1
132.5°	3.3	70.1	168.0	238.1	267.4
135°	3.3	65.2	159.8	226.7	254.4
137.5°	3.3	58.7	150.0	213.6	239.7
140°	3.3	53.8	137.0	200.6	225.0
142.5°	3.3	50.5	123.9	185.9	208.7
145°	3.3	47.3	110.9	171.2	192.4
147.5°	3.3	44.0	99.5	156.5	176.1
150°	3.3	39.1	88.1	143.5	159.8
152.5°	4.9	35.9	78.3	127.2	143.5
155°	4.9	32.6	68.5	109.3	127.2
157.5°	4.9	29.4	58.7	91.3	110.9
160°	4.9	26.1	50.5	75.0	94.6
162.5°	4.9	24.5	44.0	62.0	79.9
165°	4.9	21.2	37.5	50.5	65.2
167.5°	4.9	16.3	31.0	39.1	53.8
170°	4.9	13.0	24.5	27.7	40.8
172.5°	4.9	9.8	17.9	19.6	21.2
175°	4.9	8.2	11.4	11.4	6.5
177.5°	4.9	6.5	6.5	6.5	3.3
180°	3.3	3.3	3.3	3.3	3.3

(END OF REPORT)