

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: P566082

Luminaire Tested: **4SNX-116HL-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566082
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-17)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-116HL-UNV-L930-CD
Description: 4FT 11600 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

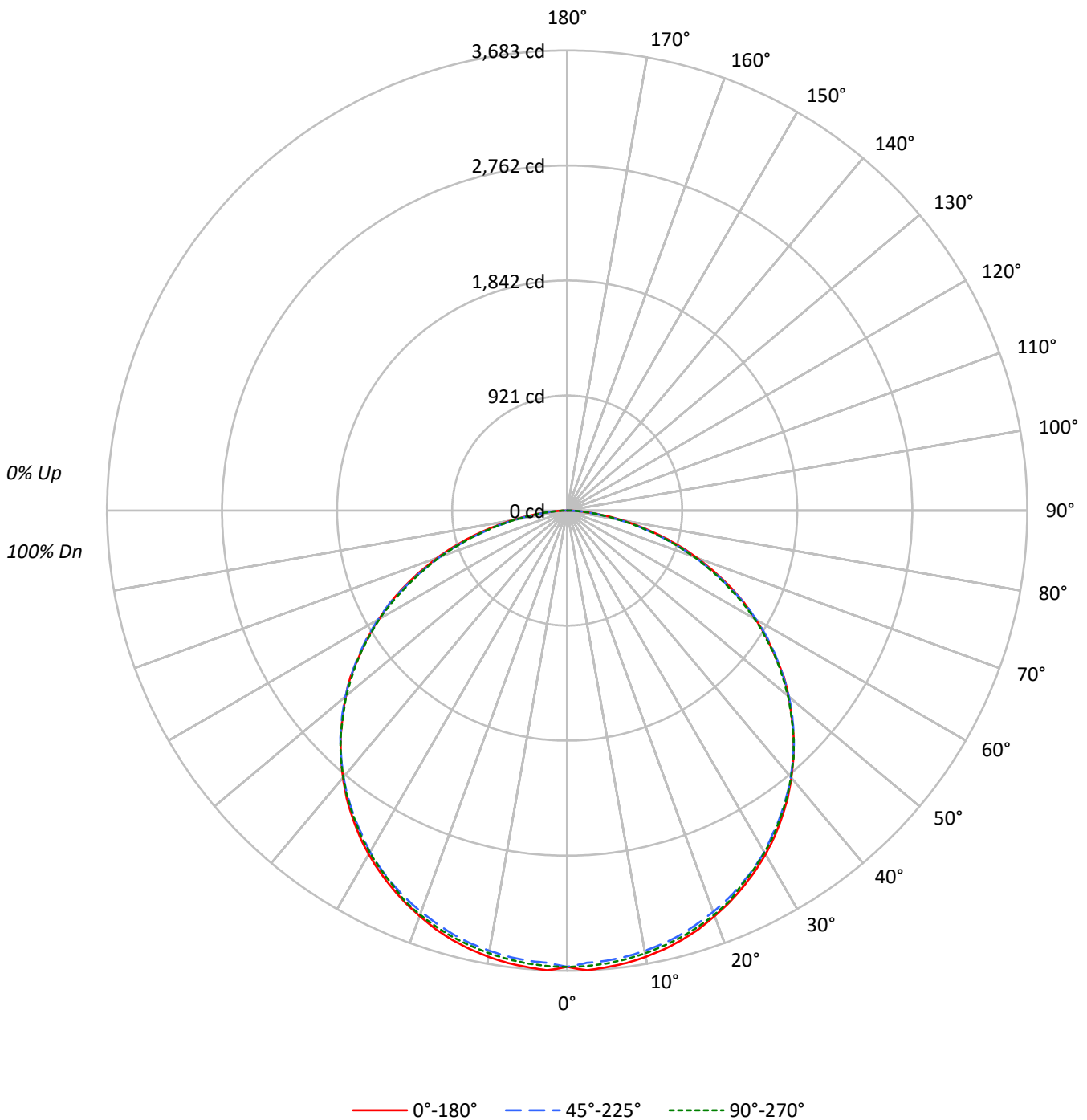
Lumens per Lamp: N/A
Luminaire Lumens: 10933.0 lumens
Efficiency: N/A
Efficacy: 128.0 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Direct

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	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	109	104	99	95	106	101	98	94	97	94	91	93	91	88	90	88	86	83					83			
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69					69			
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58					58			
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49					49			
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42					42			
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37					37			
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33					33			
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29					29			
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26					26			
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23					23			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	39313	39313	39313
5°	39631	39080	39313
10°	39650	39110	39328
15°	39632	39150	39374
20°	39553	39145	39428
25°	39504	39192	39265
30°	39479	39229	39267
35°	39382	39137	39199
40°	39223	39136	39158
45°	39011	39081	39011
50°	38746	38825	38617
55°	38143	38345	38143
60°	37499	37667	37334
65°	36572	36139	35744
70°	34830	34049	33955
75°	32140	30597	30726
80°	27497	25774	26251
85°	20427	20044	18711



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	346.6	3.2
10°-20°	998.7	9.1
20°-30°	1528.9	14.0
30°-40°	1870.3	17.1
40°-50°	1978.2	18.1
50°-60°	1822.7	16.7
60°-70°	1402.9	12.8
70°-80°	788.1	7.2
80°-90°	196.6	1.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2874.2	26.3
0°-40°	4744.5	43.4
0°-60°	8545.4	78.2
0°-90°	10933.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10933.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3652	3652	3652	3652	3652	
5°	3668	3657	3617	3649	3638	349
15°	3556	3547	3513	3544	3533	1004
25°	3326	3323	3300	3323	3306	1534
35°	2997	2992	2978	2992	2983	1875
45°	2563	2570	2567	2561	2563	1976
55°	2032	2051	2043	2037	2032	1820
65°	1436	1439	1419	1399	1403	1416
75°	773	760	736	725	739	814
85°	165	162	162	158	152	204
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3652.3	3652.3	3652.3	3652.3	3652.3
2.5°	3683.3	3663.2	3623.0	3658.5	3649.3
5°	3667.8	3657.0	3616.8	3649.3	3638.4
7.5°	3652.3	3640.0	3601.3	3636.9	3621.4
10°	3627.6	3616.8	3578.2	3612.2	3598.2
12.5°	3595.2	3585.9	3550.3	3582.8	3568.9
15°	3556.5	3547.2	3513.2	3544.1	3533.3
17.5°	3510.1	3499.3	3466.9	3499.3	3491.6
20°	3453.0	3446.8	3417.4	3446.8	3442.1
22.5°	3394.2	3386.5	3363.3	3384.9	3386.5
25°	3326.2	3323.1	3299.9	3323.1	3306.1
27.5°	3255.1	3255.1	3231.9	3247.4	3236.6
30°	3176.3	3174.7	3156.2	3163.9	3159.3
32.5°	3091.3	3089.7	3065.0	3085.1	3077.4
35°	2997.0	2992.4	2978.4	2992.4	2983.1
37.5°	2899.6	2895.0	2884.2	2891.9	2890.3
40°	2791.4	2791.4	2785.2	2791.4	2786.8
42.5°	2680.1	2684.8	2677.0	2683.2	2683.2
45°	2562.7	2570.4	2567.3	2561.1	2562.7
47.5°	2437.5	2451.4	2443.7	2442.1	2434.4
50°	2313.8	2326.2	2318.5	2310.7	2306.1
52.5°	2185.5	2191.7	2182.4	2179.3	2168.5
55°	2032.5	2051.1	2043.3	2037.2	2032.5
57.5°	1891.9	1905.8	1899.6	1887.2	1879.5
60°	1741.9	1752.8	1749.7	1735.8	1734.2
62.5°	1595.1	1598.2	1595.1	1570.4	1571.9
65°	1435.9	1439.0	1418.9	1398.8	1403.4
67.5°	1269.0	1278.2	1250.4	1221.1	1241.1
70°	1106.7	1103.6	1081.9	1049.5	1078.9
72.5°	939.7	936.7	911.9	888.7	908.8
75°	772.8	760.5	735.7	724.9	738.8
77.5°	599.7	585.8	575.0	567.2	573.4
80°	443.6	425.1	415.8	409.6	423.5
82.5°	295.2	281.3	276.7	281.3	278.2
85°	165.4	162.3	162.3	157.7	151.5
87.5°	68.0	71.1	72.6	71.1	68.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)