

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: P566081

Luminaire Tested: **4SNX-116HL-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566081
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-L850-CD
Description: 4FT 11600 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

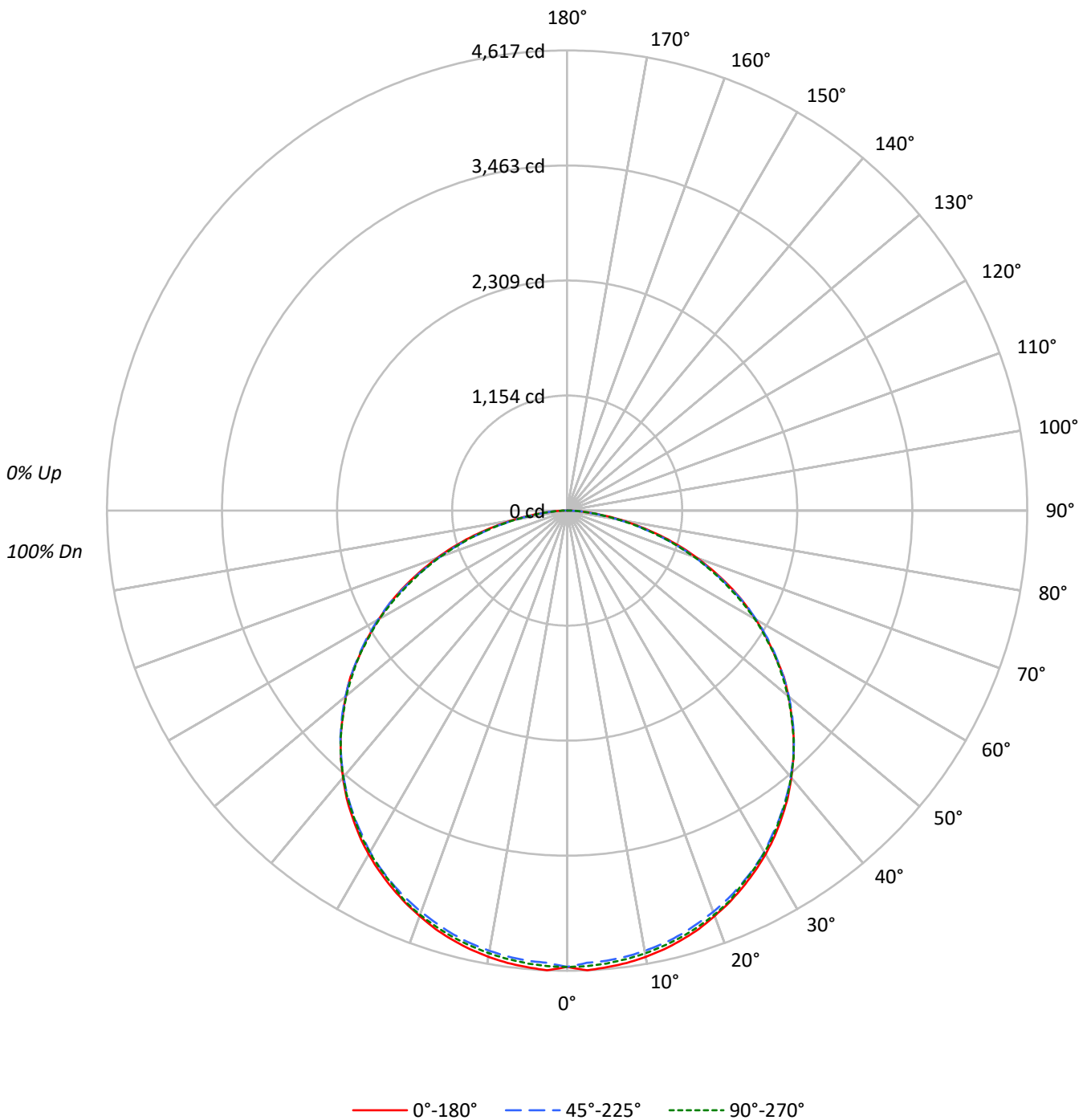
Lumens per Lamp: N/A
Luminaire Lumens: 13705.0 lumens
Efficiency: N/A
Efficacy: 160.5 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	49282	49282	49282
5°	49678	48988	49281
10°	49703	49025	49301
15°	49681	49077	49357
20°	49581	49071	49426
25°	49521	49129	49222
30°	49488	49174	49223
35°	49367	49061	49137
40°	49168	49059	49087
45°	48901	48989	48901
50°	48571	48668	48408
55°	47813	48068	47813
60°	47008	47217	46799
65°	45845	45300	44809
70°	43661	42685	42562
75°	40291	38357	38515
80°	34471	32308	32909
85°	25602	25120	23453



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	434.5	3.2
10°-20°	1251.9	9.1
20°-30°	1916.6	14.0
30°-40°	2344.5	17.1
40°-50°	2479.7	18.1
50°-60°	2284.8	16.7
60°-70°	1758.5	12.8
70°-80°	988.0	7.2
80°-90°	246.5	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°	3603.0	26.3
0°-40°	5947.5	43.4
0°-60°	10712.0	78.2
0°-90°	13705.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13705.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4578	4578	4578	4578	4578	
5°	4598	4584	4534	4574	4561	437
15°	4458	4447	4404	4443	4429	1259
25°	4170	4166	4137	4166	4144	1923
35°	3757	3751	3734	3751	3739	2351
45°	3212	3222	3218	3210	3212	2477
55°	2548	2571	2561	2554	2548	2282
65°	1800	1804	1779	1754	1759	1776
75°	969	953	922	909	926	1020
85°	207	203	203	198	190	256
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4578.4	4578.4	4578.4	4578.4	4578.4
2.5°	4617.1	4591.9	4541.6	4586.1	4574.5
5°	4597.7	4584.2	4533.8	4574.5	4560.9
7.5°	4578.4	4562.9	4514.4	4559.0	4539.6
10°	4547.4	4533.8	4485.4	4528.0	4510.6
12.5°	4506.7	4495.1	4450.5	4491.2	4473.7
15°	4458.2	4446.6	4404.0	4442.7	4429.2
17.5°	4400.1	4386.6	4345.9	4386.6	4376.9
20°	4328.4	4320.7	4283.9	4320.7	4314.9
22.5°	4254.8	4245.1	4216.1	4243.2	4245.1
25°	4169.6	4165.7	4136.6	4165.7	4144.4
27.5°	4080.4	4080.4	4051.4	4070.7	4057.2
30°	3981.6	3979.7	3956.4	3966.1	3960.3
32.5°	3875.1	3873.1	3842.1	3867.3	3857.6
35°	3756.9	3751.0	3733.6	3751.0	3739.4
37.5°	3634.8	3629.0	3615.4	3625.1	3623.2
40°	3499.2	3499.2	3491.4	3499.2	3493.4
42.5°	3359.7	3365.5	3355.8	3363.5	3363.5
45°	3212.4	3222.1	3218.2	3210.5	3212.4
47.5°	3055.5	3072.9	3063.2	3061.3	3051.6
50°	2900.5	2916.0	2906.3	2896.6	2890.8
52.5°	2739.7	2747.4	2735.8	2731.9	2718.3
55°	2547.8	2571.1	2561.4	2553.7	2547.8
57.5°	2371.5	2389.0	2381.2	2365.7	2356.0
60°	2183.6	2197.2	2193.3	2175.8	2173.9
62.5°	1999.5	2003.4	1999.5	1968.5	1970.5
65°	1800.0	1803.8	1778.6	1753.5	1759.3
67.5°	1590.7	1602.3	1567.5	1530.6	1555.8
70°	1387.3	1383.4	1356.3	1315.6	1352.4
72.5°	1178.0	1174.1	1143.1	1114.1	1139.3
75°	968.8	953.3	922.3	908.7	926.1
77.5°	751.8	734.3	720.8	711.1	718.8
80°	556.1	532.8	521.2	513.4	530.9
82.5°	370.1	352.6	346.8	352.6	348.8
85°	207.3	203.4	203.4	197.6	189.9
87.5°	85.3	89.1	91.1	89.1	85.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)