

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: P566033

Luminaire Tested: **4SNX-104HL-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566033
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-104HL-UNV-L850-CD
Description: 4FT 10400 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

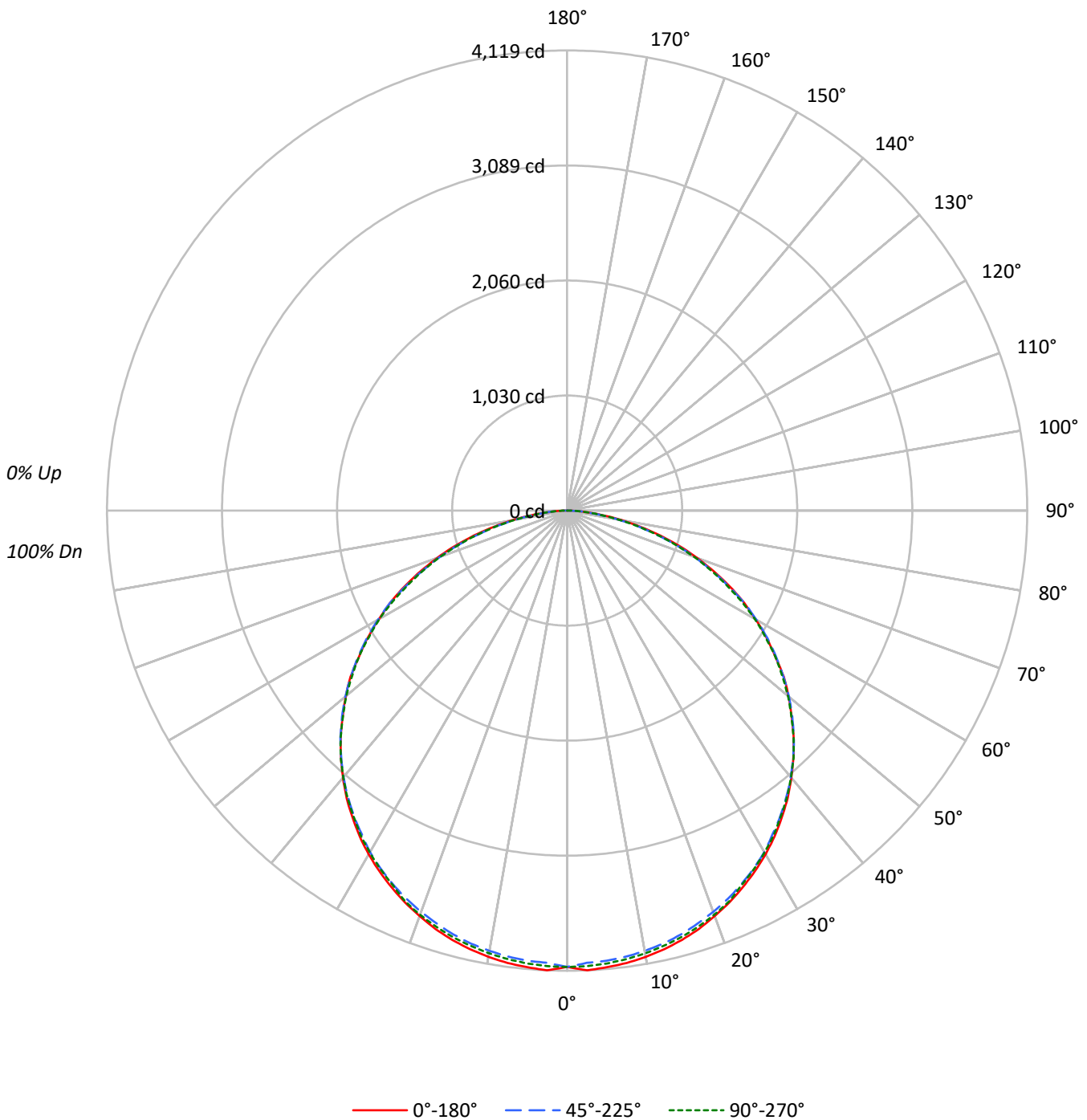
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12227.0 lumens
Efficiency: N/A
Efficacy: 161.9 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): 75.5
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

TEST NUMBER: P566033
CATALOG NUMBER: 4SNX-104HL-UNV-L850-CD

Luminous Intensity Polar Plot





TEST NUMBER: P566033

CATALOG NUMBER: 4SNX-104HL-UNV-L850-CD

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°	43966	43966	43966
5°	44321	43705	43967
10°	44343	43738	43983
15°	44324	43784	44034
20°	44234	43779	44095
25°	44180	43831	43913
30°	44151	43872	43914
35°	44042	43770	43839
40°	43865	43768	43792
45°	43628	43707	43628
50°	43333	43420	43187
55°	42658	42885	42658
60°	41938	42124	41753
65°	40899	40415	39975
70°	38952	38081	37970
75°	35945	34219	34365
80°	30752	28824	29357
85°	22848	22416	20921



TEST NUMBER: P566033

CATALOG NUMBER: 4SNX-104HL-UNV-L850-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	387.6	3.2
10°-20°	1116.9	9.1
20°-30°	1709.9	14.0
30°-40°	2091.7	17.1
40°-50°	2212.3	18.1
50°-60°	2038.4	16.7
60°-70°	1568.9	12.8
70°-80°	881.4	7.2
80°-90°	219.9	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°	3214.4	26.3
0°-40°	5306.1	43.4
0°-60°	9556.8	78.2
0°-90°	12227.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12227.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4085	4085	4085	4085	4085	
5°	4102	4090	4045	4081	4069	390
15°	3978	3967	3929	3964	3952	1123
25°	3720	3716	3690	3716	3697	1716
35°	3352	3346	3331	3346	3336	2097
45°	2866	2875	2871	2864	2866	2210
55°	2273	2294	2285	2278	2273	2036
65°	1606	1609	1587	1564	1570	1584
75°	864	850	823	811	826	910
85°	185	182	182	176	169	228
90°	0	0	0	0	0	



TEST NUMBER: P566033

CATALOG NUMBER: 4SNX-104HL-UNV-L850-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4084.6	4084.6	4084.6	4084.6	4084.6
2.5°	4119.2	4096.7	4051.8	4091.5	4081.2
5°	4101.9	4089.8	4044.9	4081.2	4069.1
7.5°	4084.6	4070.8	4027.6	4067.3	4050.1
10°	4057.0	4044.9	4001.7	4039.7	4024.1
12.5°	4020.7	4010.3	3970.5	4006.8	3991.3
15°	3977.5	3967.1	3929.1	3963.6	3951.5
17.5°	3925.6	3913.5	3877.2	3913.5	3904.9
20°	3861.6	3854.7	3821.9	3854.7	3849.5
22.5°	3796.0	3787.3	3761.4	3785.6	3787.3
25°	3719.9	3716.4	3690.5	3716.4	3697.4
27.5°	3640.4	3640.4	3614.5	3631.7	3619.6
30°	3552.2	3550.5	3529.8	3538.4	3533.2
32.5°	3457.2	3455.4	3427.8	3450.2	3441.6
35°	3351.7	3346.5	3331.0	3346.5	3336.2
37.5°	3242.8	3237.6	3225.5	3234.2	3232.4
40°	3121.8	3121.8	3114.9	3121.8	3116.6
42.5°	2997.3	3002.5	2993.9	3000.8	3000.8
45°	2866.0	2874.6	2871.2	2864.2	2866.0
47.5°	2726.0	2741.5	2732.9	2731.1	2722.5
50°	2587.7	2601.5	2592.9	2584.2	2579.0
52.5°	2444.2	2451.1	2440.7	2437.3	2425.2
55°	2273.1	2293.8	2285.2	2278.3	2273.1
57.5°	2115.8	2131.3	2124.4	2110.6	2101.9
60°	1948.1	1960.2	1956.7	1941.2	1939.5
62.5°	1783.9	1787.3	1783.9	1756.2	1758.0
65°	1605.8	1609.3	1586.8	1564.4	1569.5
67.5°	1419.2	1429.5	1398.4	1365.6	1388.0
70°	1237.7	1234.2	1210.0	1173.7	1206.5
72.5°	1051.0	1047.5	1019.9	993.9	1016.4
75°	864.3	850.5	822.8	810.7	826.3
77.5°	670.7	655.1	643.0	634.4	641.3
80°	496.1	475.4	465.0	458.1	473.6
82.5°	330.2	314.6	309.4	314.6	311.1
85°	185.0	181.5	181.5	176.3	169.4
87.5°	76.1	79.5	81.2	79.5	76.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)