

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: P566035

Luminaire Tested: **4SNX-104HL-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566035
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-L935-CD
Description: 4FT 10400 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

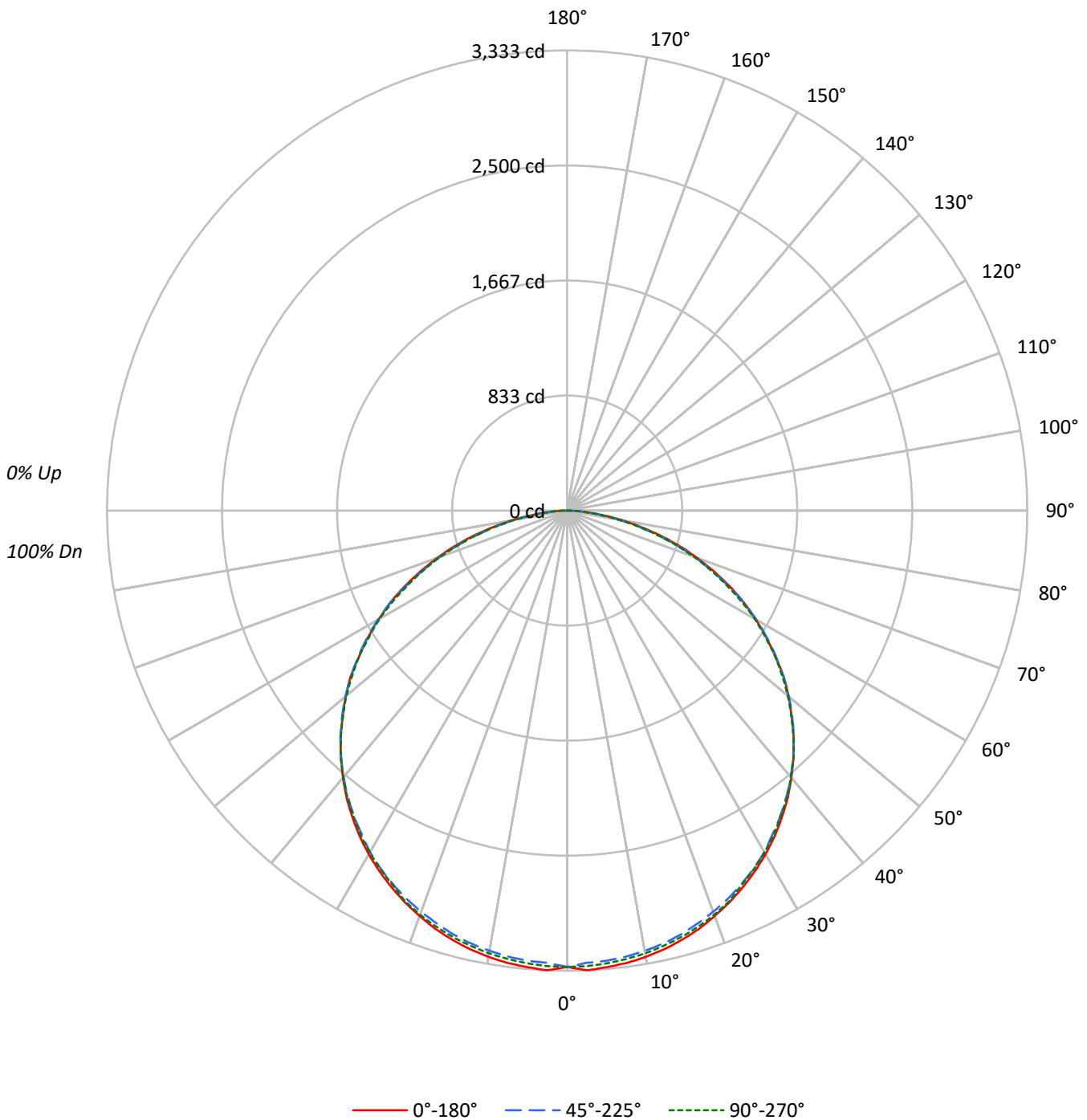
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9893.0 lumens
Efficiency: N/A
Efficacy: 131.0 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): 75.5
Input Voltage (V): NR
Input Current (A_{in}): 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: P566035
CATALOG NUMBER: 4SNX-104HL-UNV-L935-CD

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°	35574	35574	35574
5°	35861	35362	35573
10°	35878	35389	35588
15°	35862	35426	35628
20°	35790	35421	35678
25°	35746	35464	35530
30°	35722	35498	35532
35°	35635	35414	35470
40°	35492	35413	35433
45°	35299	35363	35299
50°	35060	35131	34943
55°	34515	34699	34515
60°	33932	34083	33781
65°	33093	32700	32344
70°	31516	30811	30723
75°	29083	27686	27802
80°	24882	23319	23753
85°	18488	18142	16932



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	313.6	3.2
10°-20°	903.7	9.1
20°-30°	1383.5	14.0
30°-40°	1692.4	17.1
40°-50°	1790.0	18.1
50°-60°	1649.3	16.7
60°-70°	1269.4	12.8
70°-80°	713.2	7.2
80°-90°	177.9	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°	2600.8	26.3
0°-40°	4293.2	43.4
0°-60°	7732.5	78.2
0°-90°	9893.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9893.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3305	3305	3305	3305	3305	
5°	3319	3309	3273	3302	3292	316
15°	3218	3210	3179	3207	3197	908
25°	3010	3007	2986	3007	2992	1388
35°	2712	2708	2695	2708	2699	1697
45°	2319	2326	2323	2318	2319	1788
55°	1839	1856	1849	1843	1839	1647
65°	1299	1302	1284	1266	1270	1282
75°	699	688	666	656	668	737
85°	150	147	147	143	137	185
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3304.9	3304.9	3304.9	3304.9	3304.9
2.5°	3332.9	3314.7	3278.3	3310.5	3302.1
5°	3318.9	3309.1	3272.7	3302.1	3292.3
7.5°	3304.9	3293.7	3258.8	3290.9	3276.9
10°	3282.5	3272.7	3237.8	3268.6	3256.0
12.5°	3253.2	3244.8	3212.6	3242.0	3229.4
15°	3218.2	3209.8	3179.0	3207.0	3197.2
17.5°	3176.2	3166.5	3137.1	3166.5	3159.5
20°	3124.5	3118.9	3092.3	3118.9	3114.7
22.5°	3071.3	3064.4	3043.4	3063.0	3064.4
25°	3009.8	3007.0	2986.0	3007.0	2991.6
27.5°	2945.5	2945.5	2924.5	2938.5	2928.7
30°	2874.1	2872.7	2856.0	2863.0	2858.8
32.5°	2797.2	2795.8	2773.4	2791.6	2784.6
35°	2711.9	2707.7	2695.1	2707.7	2699.3
37.5°	2623.8	2619.6	2609.8	2616.8	2615.4
40°	2525.9	2525.9	2520.3	2525.9	2521.7
42.5°	2425.2	2429.4	2422.4	2428.0	2428.0
45°	2318.9	2325.9	2323.1	2317.5	2318.9
47.5°	2205.6	2218.2	2211.2	2209.8	2202.8
50°	2093.7	2104.9	2097.9	2090.9	2086.7
52.5°	1977.6	1983.2	1974.8	1972.0	1962.2
55°	1839.2	1856.0	1849.0	1843.4	1839.2
57.5°	1711.9	1724.5	1718.9	1707.7	1700.7
60°	1576.2	1586.0	1583.2	1570.6	1569.2
62.5°	1443.4	1446.2	1443.4	1421.0	1422.4
65°	1299.3	1302.1	1283.9	1265.7	1269.9
67.5°	1148.3	1156.7	1131.5	1104.9	1123.1
70°	1001.4	998.6	979.0	949.7	976.2
72.5°	850.4	847.6	825.2	804.2	822.4
75°	699.3	688.1	665.7	655.9	668.5
77.5°	542.7	530.1	520.3	513.3	518.9
80°	401.4	384.6	376.2	370.6	383.2
82.5°	267.1	254.5	250.4	254.5	251.7
85°	149.7	146.9	146.9	142.7	137.1
87.5°	61.5	64.3	65.7	64.3	61.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)