

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: P566901

Luminaire Tested: **4SNX-84HL-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566901
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-84HL-UNV-L950-CD
Description: 4FT 8400 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

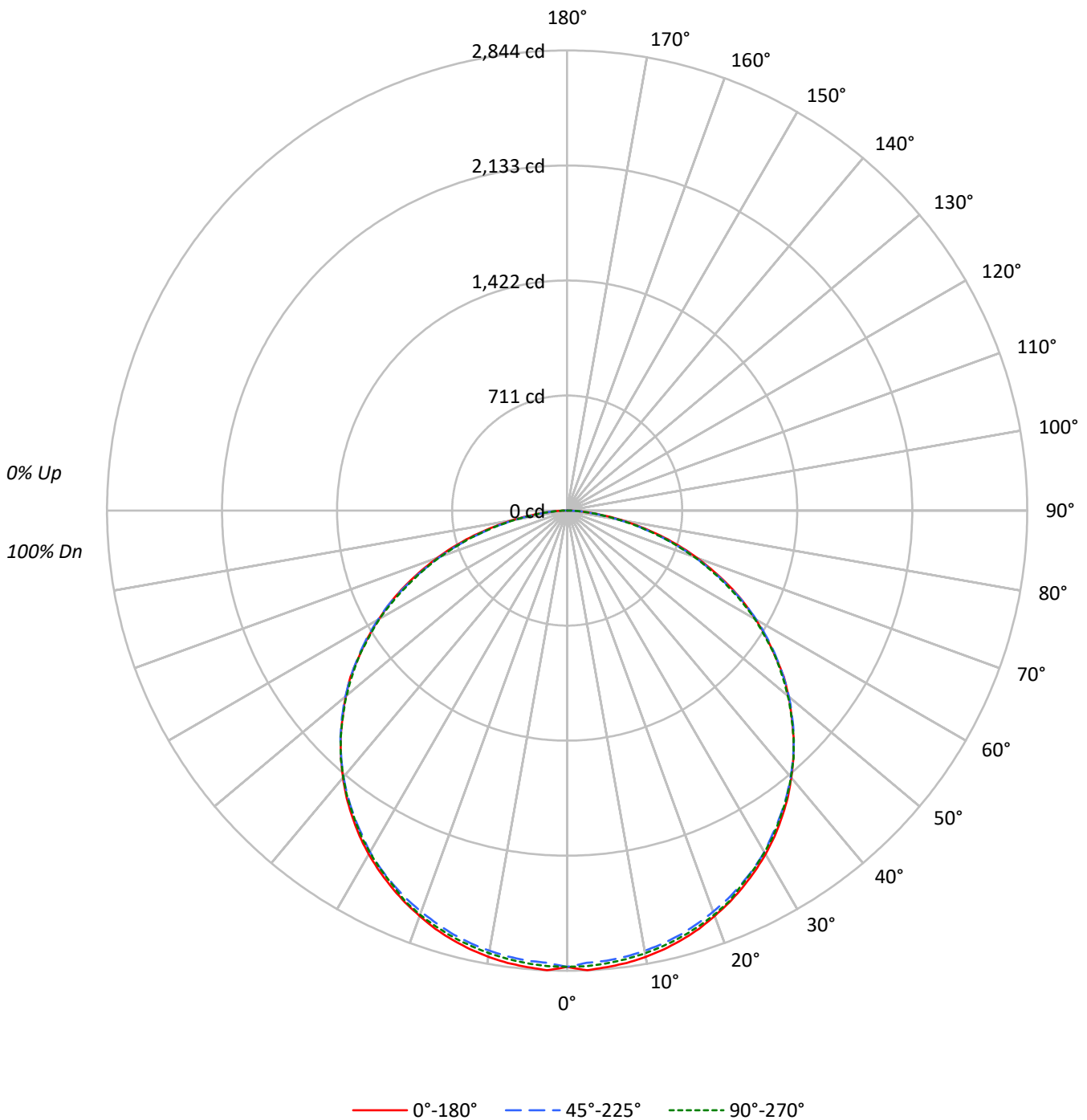
Lumens per Lamp: N/A
Luminaire Lumens: 8441.0 lumens
Efficiency: N/A
Efficacy: 145.8 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 57.9
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: P566901

CATALOG NUMBER: 4SNX-84HL-UNV-L950-CD

Luminous Intensity Polar Plot





TEST NUMBER: P566901

CATALOG NUMBER: 4SNX-84HL-UNV-L950-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°	30353	30353	30353
5°	30598	30172	30352
10°	30613	30195	30365
15°	30599	30227	30400
20°	30537	30223	30442
25°	30500	30259	30315
30°	30480	30287	30317
35°	30405	30217	30263
40°	30283	30216	30233
45°	30118	30172	30118
50°	29914	29975	29816
55°	29448	29606	29448
60°	28953	29082	28824
65°	28236	27902	27596
70°	26889	26288	26213
75°	24816	23622	23722
80°	21231	19898	20270
85°	15771	15475	14437



TEST NUMBER: P566901

CATALOG NUMBER: 4SNX-84HL-UNV-L950-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	267.6	3.2
10°-20°	771.1	9.1
20°-30°	1180.4	14.0
30°-40°	1444.0	17.1
40°-50°	1527.3	18.1
50°-60°	1407.2	16.7
60°-70°	1083.1	12.8
70°-80°	608.5	7.2
80°-90°	151.8	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°	2219.1	26.3
0°-40°	3663.1	43.4
0°-60°	6597.6	78.2
0°-90°	8441.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8441.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2820	2820	2820	2820	2820	
5°	2832	2823	2792	2818	2809	269
15°	2746	2739	2712	2736	2728	775
25°	2568	2566	2548	2566	2552	1184
35°	2314	2310	2300	2310	2303	1448
45°	1978	1984	1982	1977	1978	1526
55°	1569	1584	1578	1573	1569	1405
65°	1109	1111	1096	1080	1084	1094
75°	597	587	568	560	570	628
85°	128	125	125	122	117	158
90°	0	0	0	0	0	



TEST NUMBER: P566901

CATALOG NUMBER: 4SNX-84HL-UNV-L950-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2819.9	2819.9	2819.9	2819.9	2819.9
2.5°	2843.7	2828.2	2797.2	2824.6	2817.5
5°	2831.8	2823.4	2792.4	2817.5	2809.1
7.5°	2819.9	2810.3	2780.5	2807.9	2796.0
10°	2800.8	2792.4	2762.6	2788.8	2778.1
12.5°	2775.7	2768.5	2741.1	2766.2	2755.4
15°	2745.9	2738.7	2712.5	2736.3	2728.0
17.5°	2710.1	2701.7	2676.7	2701.7	2695.7
20°	2665.9	2661.1	2638.5	2661.1	2657.6
22.5°	2620.6	2614.6	2596.7	2613.4	2614.6
25°	2568.1	2565.7	2547.8	2565.7	2552.5
27.5°	2513.2	2513.2	2495.3	2507.2	2498.8
30°	2452.3	2451.1	2436.8	2442.8	2439.2
32.5°	2386.7	2385.5	2366.4	2381.9	2375.9
35°	2313.9	2310.3	2299.6	2310.3	2303.1
37.5°	2238.7	2235.1	2226.8	2232.7	2231.5
40°	2155.2	2155.2	2150.4	2155.2	2151.6
42.5°	2069.2	2072.8	2066.9	2071.6	2071.6
45°	1978.5	1984.5	1982.1	1977.4	1978.5
47.5°	1881.9	1892.6	1886.7	1885.5	1879.5
50°	1786.4	1796.0	1790.0	1784.0	1780.5
52.5°	1687.4	1692.1	1685.0	1682.6	1674.2
55°	1569.2	1583.6	1577.6	1572.8	1569.2
57.5°	1460.6	1471.4	1466.6	1457.1	1451.1
60°	1344.9	1353.2	1350.9	1340.1	1338.9
62.5°	1231.5	1233.9	1231.5	1212.4	1213.6
65°	1108.6	1111.0	1095.5	1080.0	1083.5
67.5°	979.7	986.9	965.4	942.7	958.2
70°	854.4	852.0	835.3	810.3	832.9
72.5°	725.5	723.2	704.1	686.2	701.7
75°	596.7	587.1	568.0	559.7	570.4
77.5°	463.0	452.3	443.9	438.0	442.7
80°	342.5	328.2	321.0	316.2	327.0
82.5°	227.9	217.2	213.6	217.2	214.8
85°	127.7	125.3	125.3	121.7	116.9
87.5°	52.5	54.9	56.1	54.9	52.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)