

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: P566804

Luminaire Tested: **4SNX-74HL-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566804
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-74HL-UNV-L940-CD
Description: 4FT 7400 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

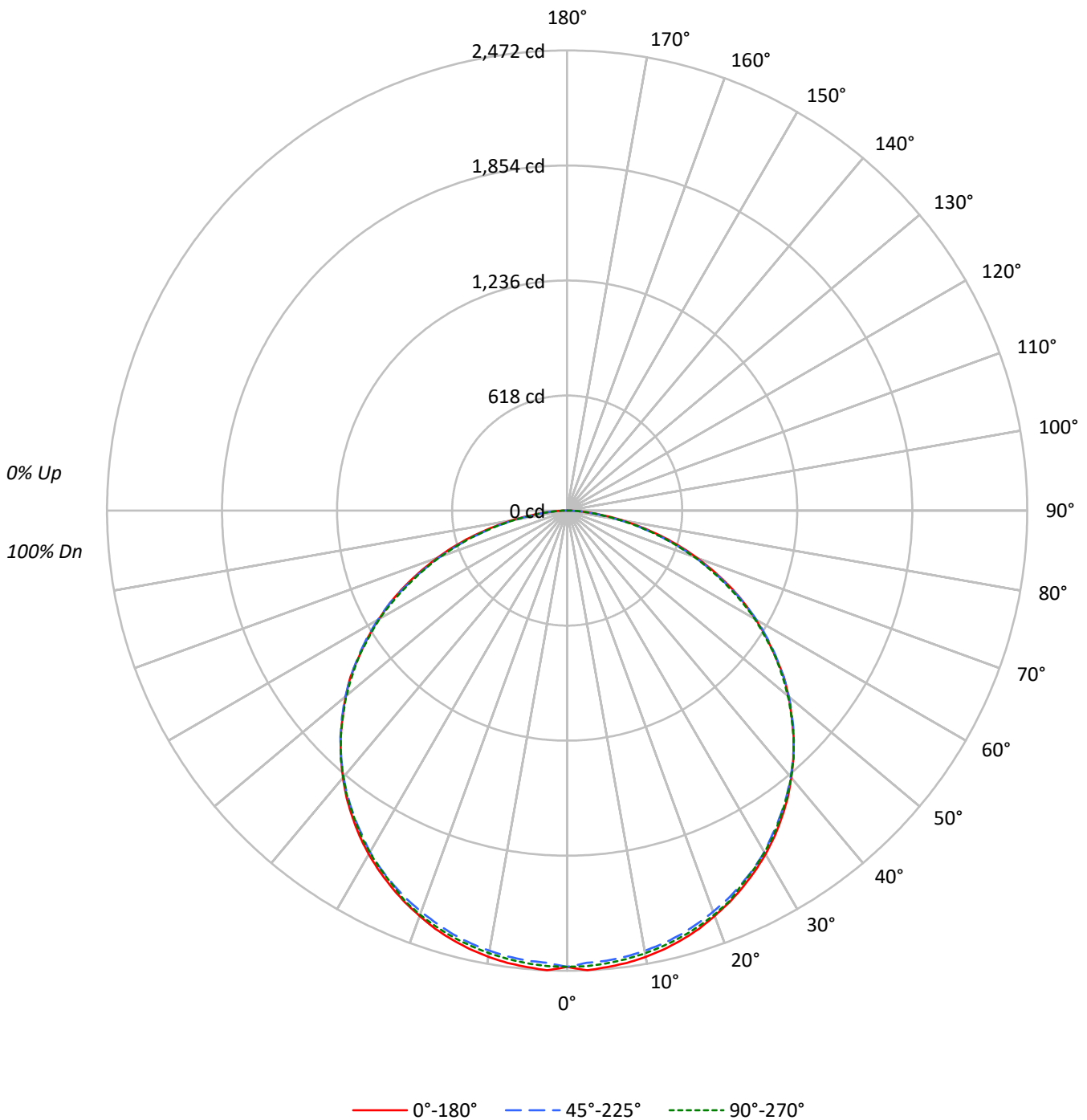
Lumens per Lamp: N/A
Luminaire Lumens: 7337.0 lumens
Efficiency: N/A
Efficacy: 141.6 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 51.8
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: P566804

CATALOG NUMBER: 4SNX-74HL-UNV-L940-CD

Luminous Intensity Polar Plot





TEST NUMBER: P566804

CATALOG NUMBER: 4SNX-74HL-UNV-L940-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°	26382	26382	26382
5°	26596	26226	26383
10°	26608	26246	26393
15°	26596	26273	26424
20°	26543	26270	26460
25°	26511	26301	26351
30°	26494	26326	26352
35°	26428	26265	26306
40°	26322	26263	26279
45°	26180	26227	26180
50°	26003	26055	25916
55°	25597	25734	25597
60°	25166	25278	25054
65°	24542	24252	23987
70°	23374	22852	22785
75°	21568	20532	20620
80°	18454	17294	17617
85°	13709	13449	12560



TEST NUMBER: P566804

CATALOG NUMBER: 4SNX-74HL-UNV-L940-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	232.6	3.2
10°-20°	670.2	9.1
20°-30°	1026.0	14.0
30°-40°	1255.1	17.1
40°-50°	1327.5	18.1
50°-60°	1223.2	16.7
60°-70°	941.4	12.8
70°-80°	528.9	7.2
80°-90°	131.9	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°	1928.9	26.3
0°-40°	3184.0	43.4
0°-60°	5734.7	78.2
0°-90°	7337.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7337.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2451	2451	2451	2451	2451	
5°	2461	2454	2427	2449	2442	234
15°	2387	2380	2358	2378	2371	674
25°	2232	2230	2214	2230	2219	1030
35°	2011	2008	1999	2008	2002	1259
45°	1720	1725	1723	1719	1720	1326
55°	1364	1376	1371	1367	1364	1222
65°	964	966	952	939	942	951
75°	519	510	494	486	496	546
85°	111	109	109	106	102	137
90°	0	0	0	0	0	



TEST NUMBER: P566804

CATALOG NUMBER: 4SNX-74HL-UNV-L940-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2451.0	2451.0	2451.0	2451.0	2451.0
2.5°	2471.8	2458.3	2431.3	2455.2	2449.0
5°	2461.4	2454.2	2427.2	2449.0	2441.7
7.5°	2451.0	2442.7	2416.8	2440.7	2430.3
10°	2434.4	2427.2	2401.3	2424.1	2414.7
12.5°	2412.7	2406.4	2382.6	2404.4	2395.0
15°	2386.7	2380.5	2357.7	2378.4	2371.2
17.5°	2355.6	2348.4	2326.6	2348.4	2343.2
20°	2317.2	2313.1	2293.4	2313.1	2310.0
22.5°	2277.8	2272.6	2257.1	2271.6	2272.6
25°	2232.2	2230.1	2214.5	2230.1	2218.7
27.5°	2184.5	2184.5	2168.9	2179.3	2172.0
30°	2131.6	2130.5	2118.1	2123.3	2120.2
32.5°	2074.5	2073.5	2056.9	2070.4	2065.2
35°	2011.2	2008.1	1998.8	2008.1	2001.9
37.5°	1945.9	1942.8	1935.5	1940.7	1939.7
40°	1873.3	1873.3	1869.1	1873.3	1870.2
42.5°	1798.6	1801.7	1796.5	1800.7	1800.7
45°	1719.8	1725.0	1722.9	1718.7	1719.8
47.5°	1635.8	1645.1	1639.9	1638.9	1633.7
50°	1552.8	1561.1	1555.9	1550.7	1547.6
52.5°	1466.7	1470.8	1464.6	1462.5	1455.3
55°	1364.0	1376.4	1371.3	1367.1	1364.0
57.5°	1269.6	1278.9	1274.8	1266.5	1261.3
60°	1169.0	1176.3	1174.2	1164.8	1163.8
62.5°	1070.5	1072.5	1070.5	1053.9	1054.9
65°	963.6	965.7	952.2	938.7	941.8
67.5°	851.6	857.8	839.1	819.4	832.9
70°	742.7	740.6	726.1	704.3	724.0
72.5°	630.7	628.6	612.0	596.4	609.9
75°	518.6	510.3	493.7	486.5	495.8
77.5°	402.5	393.1	385.9	380.7	384.8
80°	297.7	285.2	279.0	274.9	284.2
82.5°	198.1	188.8	185.7	188.8	186.7
85°	111.0	108.9	108.9	105.8	101.7
87.5°	45.6	47.7	48.8	47.7	45.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)