

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: P566772

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566772
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2205-663-3)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-74HL-LC-UNV-L940-CD
Description: 4FT 7400 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

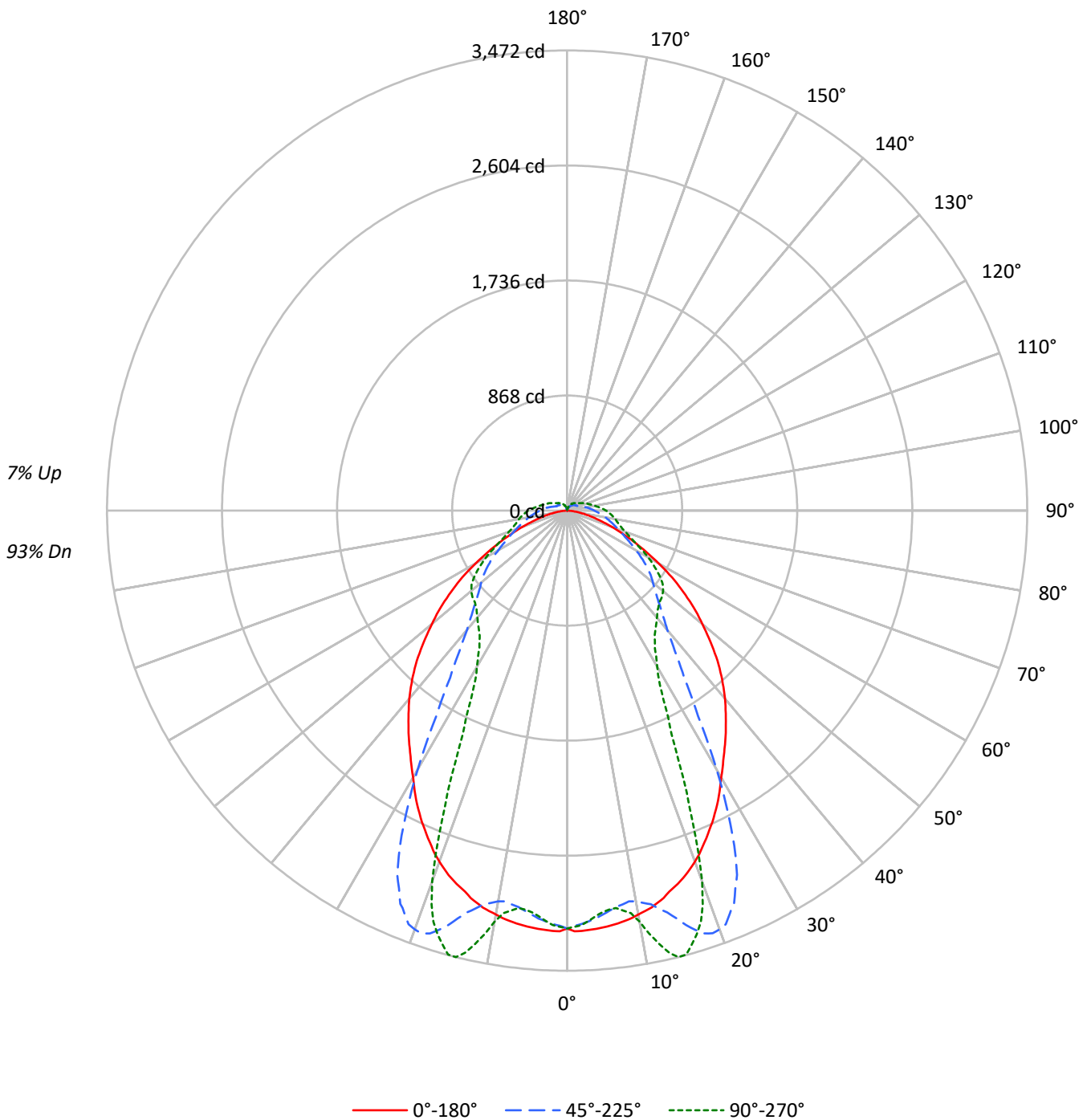
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7008.0 lumens
Efficiency: N/A
Efficacy: 135.3 lumens/watt
Spacing Criteria (0/90/45): 1.12 / 0.89 / 1.01
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 51.8
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: P566772
CATALOG NUMBER: 4SNX-74HL-LC-UNV-L940-CD

Luminous Intensity Polar Plot





TEST NUMBER: P566772

CATALOG NUMBER: 4SNX-74HL-LC-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	50	30	10	0	
RCR																						
0	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93				
1	107	103	99	95	104	100	96	93	94	91	89	89	87	85	85	83	81	78				
2	99	91	84	79	95	88	83	78	84	79	75	80	76	72	76	72	69	67				
3	91	81	73	67	88	79	72	66	75	69	64	71	66	62	68	64	60	58				
4	84	73	64	58	81	71	63	57	68	61	56	64	59	54	62	57	53	51				
5	78	66	57	51	75	64	56	51	61	55	49	59	53	48	56	51	47	45				
6	72	60	51	45	70	58	51	45	56	49	44	54	48	43	52	46	42	40				
7	67	55	46	41	65	54	46	40	51	45	40	49	43	39	48	42	38	36				
8	63	50	42	37	61	49	42	36	47	41	36	46	40	35	44	39	35	33				
9	59	46	39	34	57	46	38	33	44	37	33	42	36	32	41	36	32	30				
10	56	43	36	31	54	42	35	30	41	34	30	40	34	30	38	33	29	27				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	33942	33942	33942
5°	33982	31677	31068
10°	33575	30078	30808
15°	32793	31286	32797
20°	31801	32582	27449
25°	30205	29205	16877
30°	28220	21736	12215
35°	26599	14990	10304
40°	25145	11623	9496
45°	23455	9887	8981
50°	21252	8864	8816
55°	18933	8007	8157
60°	15963	6920	7056
65°	12883	6018	5888
70°	10002	5400	5185
75°	7627	5009	4835
80°	5204	4732	4786
85°	2685	4499	4752



TEST NUMBER: P566772

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	293.4	4.2
10°-20°	896.6	12.8
20°-30°	1207.3	17.2
30°-40°	1142.5	16.3
40°-50°	1008.5	14.4
50°-60°	819.1	11.7
60°-70°	557.1	7.9
70°-80°	358.4	5.1
80°-90°	238.4	3.4
90°-100°	163.8	2.3
100°-110°	109.9	1.6
110°-120°	77.5	1.1
120°-130°	55.4	0.8
130°-140°	39.1	0.6
140°-150°	24.3	0.3
150°-160°	11.8	0.2
160°-170°	4.1	0.1
170°-180°	0.7	0.0
0°-30°	2397.3	34.2
0°-40°	3539.8	50.5
0°-60°	5367.3	76.6
0°-90°	6521.2	93.1
90°-120°	351.3	5.0
90°-150°	470.1	6.7
90°-180°	487.0	6.9
0°-180°	7008.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3153	3153	3153	3153	3153	
5°	3156	3128	3060	3058	3043	299
15°	2976	2956	3184	3466	3469	839
25°	2593	3074	3033	2203	1863	1190
35°	2083	2923	1541	1187	1150	1304
45°	1605	1967	975	963	983	1232
55°	1069	1163	732	818	848	955
65°	551	627	490	545	562	553
75°	212	296	346	387	406	231
85°	32	126	245	310	332	42
90°	1	88	204	275	293	2
95°	1	67	172	233	249	1
105°	2	47	113	159	179	2
115°	2	41	84	119	134	2
125°	3	34	72	90	96	3
135°	4	27	59	75	79	3
145°	4	19	42	58	63	3
155°	5	12	26	38	44	2
165°	5	8	14	19	24	2
175°	6	6	6	6	5	1
180°	5	5	5	5	5	



TEST NUMBER: P566772

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

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3153.3	3153.3	3153.3	3153.3	3153.3
1°	3174.7	3165.0	3132.9	3150.0	3141.5
2°	3173.6	3157.5	3121.2	3140.4	3129.7
3°	3168.2	3151.1	3104.0	3115.8	3099.8
4°	3162.9	3142.6	3085.8	3085.8	3067.7
5°	3156.5	3127.6	3060.2	3058.0	3043.0
6°	3149.0	3115.8	3037.7	3035.6	3027.0
7°	3138.3	3095.5	3013.1	3028.1	3021.6
8°	3125.4	3076.2	3000.2	3037.7	3047.3
9°	3113.7	3052.7	2985.3	3067.7	3075.1
10°	3094.4	3031.3	2994.9	3127.6	3150.0
11°	3078.4	3013.1	3016.3	3186.4	3253.8
12°	3062.3	2993.8	3036.6	3260.3	3342.6
13°	3035.6	2978.8	3081.6	3340.5	3425.0
14°	3012.0	2967.1	3125.4	3421.8	3472.1
15°	2975.6	2956.4	3184.3	3465.7	3468.9
16°	2951.0	2948.9	3252.8	3468.9	3409.0
17°	2923.2	2945.7	3308.4	3413.3	3342.6
18°	2892.2	2952.1	3354.4	3343.7	3262.4
19°	2856.9	2958.5	3373.7	3247.4	3142.6
20°	2818.3	2968.1	3363.0	3146.8	2977.8
21°	2779.8	2981.0	3342.6	3040.9	2761.6
22.5°	2708.1	3012.0	3246.3	2743.4	2404.3
23°	2687.8	3018.4	3223.9	2650.4	2311.2
24°	2637.5	3045.2	3121.2	2433.2	2065.1
25°	2592.6	3074.1	3033.4	2203.1	1862.8
26°	2542.3	3095.5	2900.7	1991.2	1738.7
27°	2493.1	3108.3	2749.9	1826.5	1599.6
28°	2436.4	3122.2	2586.2	1684.2	1494.8
29°	2382.9	3124.4	2424.6	1570.7	1412.4
30°	2325.1	3113.7	2254.5	1479.8	1361.0
32.5°	2198.8	3054.8	1838.2	1306.5	1232.6
35°	2083.3	2923.2	1540.8	1186.6	1150.2
37.5°	1966.6	2715.6	1332.1	1111.7	1099.9
40°	1852.1	2469.5	1174.8	1051.8	1053.9
42.5°	1731.2	2215.9	1066.8	1002.6	1012.2
45°	1605.0	1966.6	974.8	963.0	983.3
47.5°	1464.8	1738.7	902.0	937.3	968.3
50°	1332.1	1513.0	845.3	912.7	944.8
52.5°	1205.9	1327.9	793.9	871.0	908.4
55°	1068.9	1163.1	731.9	817.5	848.5
57.5°	938.4	1014.3	666.6	751.1	779.0
60°	795.0	867.8	600.3	679.4	706.2
62.5°	665.5	742.6	543.6	607.8	629.2
65°	551.0	627.0	490.1	544.6	561.7



TEST NUMBER: P566772

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

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	449.4	530.7	446.2	492.2	508.2
70°	354.2	439.8	407.7	449.4	466.5
72.5°	277.1	363.8	375.6	414.1	431.2
75°	211.9	296.4	345.6	387.3	405.5
77.5°	157.3	241.8	317.8	365.9	385.2
80°	103.8	192.6	293.2	346.7	369.1
82.5°	65.3	155.1	268.6	327.4	351.0
85°	32.1	126.3	245.0	310.3	331.7
87.5°	10.7	104.9	223.6	293.2	311.4
90°	1.1	87.7	204.4	275.0	293.2
92.5°	1.1	76.0	188.3	253.6	271.8
95°	1.1	67.4	172.3	233.3	249.3
97.5°	1.1	61.0	157.3	211.9	229.0
100°	1.1	54.6	141.2	191.5	209.7
102.5°	2.1	50.3	127.3	174.4	193.7
105°	2.1	47.1	113.4	159.4	178.7
107.5°	2.1	44.9	101.6	147.7	165.8
110°	2.1	42.8	93.1	137.0	156.2
112.5°	2.1	41.7	87.7	127.3	145.5
115°	2.1	40.7	83.5	118.8	133.7
117.5°	3.2	39.6	80.2	110.2	122.0
120°	3.2	37.4	78.1	102.7	112.3
122.5°	3.2	35.3	74.9	96.3	103.8
125°	3.2	34.2	71.7	89.9	96.3
127.5°	3.2	32.1	68.5	84.5	90.9
130°	4.3	30.0	65.3	80.2	85.6
132.5°	4.3	27.8	62.1	78.1	82.4
135°	4.3	26.7	58.8	74.9	79.2
137.5°	4.3	24.6	55.6	71.7	76.0
140°	4.3	22.5	51.4	67.4	71.7
142.5°	4.3	21.4	47.1	63.1	67.4
145°	4.3	19.3	41.7	57.8	63.1
147.5°	5.3	18.2	37.4	53.5	57.8
150°	5.3	16.0	33.2	49.2	53.5
152.5°	5.3	13.9	28.9	43.9	48.1
155°	5.3	11.8	25.7	38.5	43.9
157.5°	5.3	10.7	22.5	32.1	38.5
160°	5.3	9.6	19.3	27.8	33.2
162.5°	5.3	8.6	17.1	23.5	28.9
165°	5.3	7.5	13.9	19.3	23.5
167.5°	6.4	7.5	11.8	15.0	19.3
170°	6.4	7.5	9.6	11.8	15.0
172.5°	6.4	6.4	7.5	8.6	9.6
175°	6.4	6.4	6.4	6.4	5.3
177.5°	6.4	6.4	6.4	5.3	5.3



TEST NUMBER: P566772

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

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	5.3	5.3	5.3	5.3	5.3

(END OF REPORT)