

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: P566803

Luminaire Tested: **4SNX-74HL-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566803
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-L935-CD
Description: 4FT 7400 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

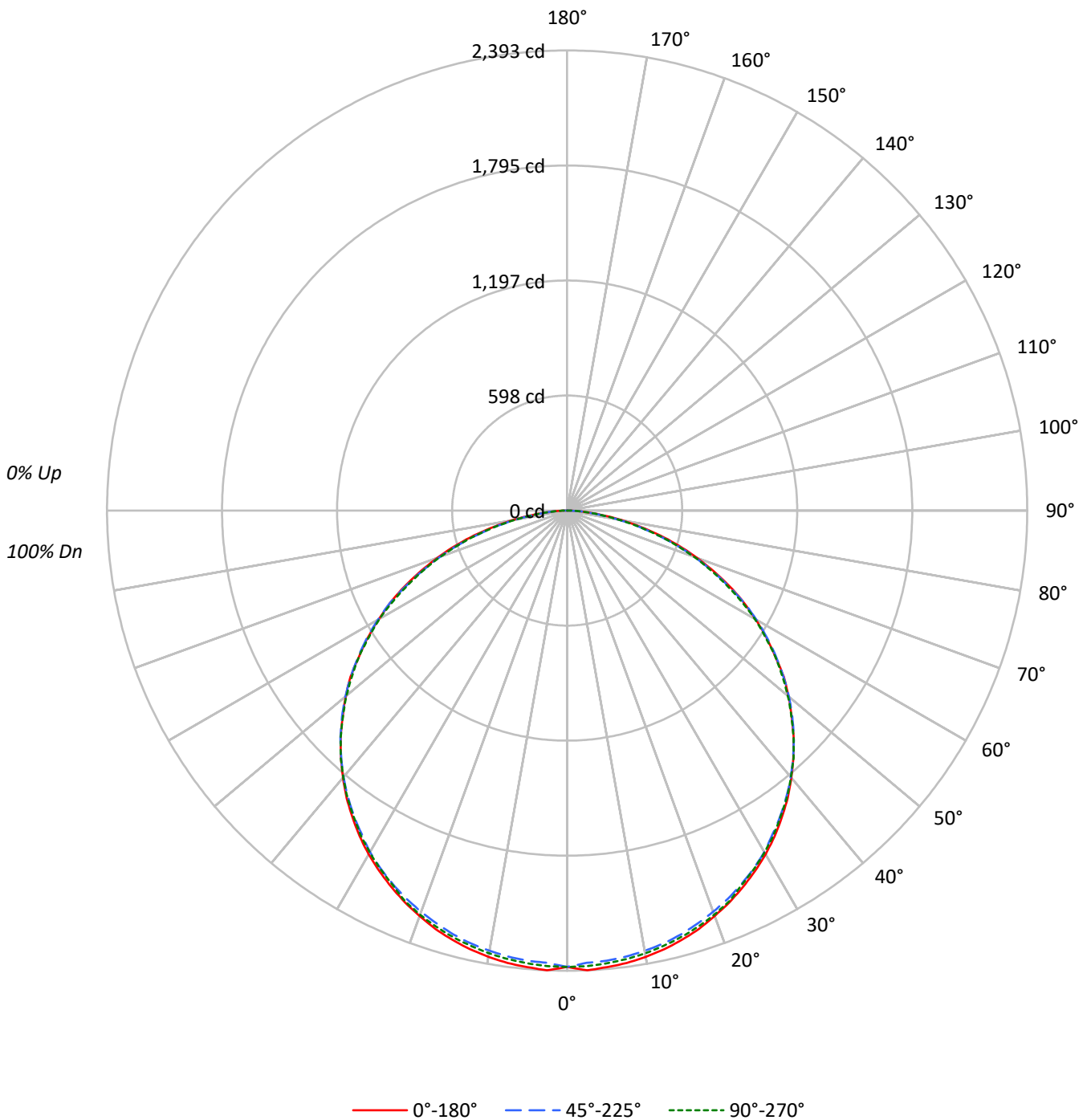
Lumens per Lamp: N/A
Luminaire Lumens: 7103.0 lumens
Efficiency: N/A
Efficacy: 137.1 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 51.8
Input Voltage (V): NR
Input Current (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

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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	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					100			
1	109	104	99	95	106	101	98	94	97	94	91	93	91	88	90	88	86	83					83			
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69					69			
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58					58			
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49					49			
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42					42			
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37					37			
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33					33			
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29					29			
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26					26			
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23					23			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	25542	25542	25542
5°	25747	25390	25541
10°	25760	25409	25551
15°	25748	25435	25580
20°	25696	25432	25616
25°	25665	25462	25510
30°	25649	25486	25511
35°	25586	25427	25467
40°	25482	25426	25440
45°	25344	25390	25344
50°	25174	25224	25088
55°	24781	24912	24781
60°	24363	24471	24255
65°	23761	23478	23223
70°	22628	22121	22058
75°	20882	19879	19963
80°	17865	16743	17053
85°	13264	13017	12153



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	225.2	3.2
10°-20°	648.8	9.1
20°-30°	993.3	14.0
30°-40°	1215.1	17.1
40°-50°	1285.2	18.1
50°-60°	1184.2	16.7
60°-70°	911.4	12.8
70°-80°	512.0	7.2
80°-90°	127.7	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°	1867.3	26.3
0°-40°	3082.4	43.4
0°-60°	5551.8	78.2
0°-90°	7103.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7103.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2373	2373	2373	2373	2373	
5°	2383	2376	2350	2371	2364	227
15°	2311	2305	2282	2303	2296	652
25°	2161	2159	2144	2159	2148	997
35°	1947	1944	1935	1944	1938	1218
45°	1665	1670	1668	1664	1665	1284
55°	1320	1332	1328	1324	1320	1183
65°	933	935	922	909	912	920
75°	502	494	478	471	480	529
85°	107	105	105	102	98	133
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2372.9	2372.9	2372.9	2372.9	2372.9
2.5°	2393.0	2379.9	2353.8	2376.9	2370.9
5°	2382.9	2375.9	2349.8	2370.9	2363.8
7.5°	2372.9	2364.8	2339.7	2362.8	2352.8
10°	2356.8	2349.8	2324.7	2346.8	2337.7
12.5°	2335.7	2329.7	2306.6	2327.7	2318.6
15°	2310.6	2304.6	2282.5	2302.6	2295.5
17.5°	2280.5	2273.5	2252.4	2273.5	2268.4
20°	2243.3	2239.3	2220.2	2239.3	2236.3
22.5°	2205.2	2200.2	2185.1	2199.1	2200.2
25°	2161.0	2159.0	2143.9	2159.0	2147.9
27.5°	2114.8	2114.8	2099.7	2109.8	2102.7
30°	2063.6	2062.6	2050.5	2055.6	2052.5
32.5°	2008.4	2007.3	1991.3	2004.3	1999.3
35°	1947.1	1944.1	1935.0	1944.1	1938.1
37.5°	1883.8	1880.8	1873.8	1878.8	1877.8
40°	1813.5	1813.5	1809.5	1813.5	1810.5
42.5°	1741.2	1744.3	1739.2	1743.3	1743.3
45°	1664.9	1669.9	1667.9	1663.9	1664.9
47.5°	1583.6	1592.6	1587.6	1586.6	1581.6
50°	1503.3	1511.3	1506.3	1501.2	1498.2
52.5°	1419.9	1423.9	1417.9	1415.9	1408.9
55°	1320.5	1332.5	1327.5	1323.5	1320.5
57.5°	1229.1	1238.2	1234.1	1226.1	1221.1
60°	1131.7	1138.7	1136.7	1127.7	1126.7
62.5°	1036.3	1038.3	1036.3	1020.2	1021.2
65°	932.9	934.9	921.8	908.8	911.8
67.5°	824.4	830.5	812.4	793.3	806.4
70°	719.0	717.0	702.9	681.8	700.9
72.5°	610.5	608.5	592.5	577.4	590.5
75°	502.1	494.1	478.0	471.0	480.0
77.5°	389.6	380.6	373.6	368.5	372.5
80°	288.2	276.1	270.1	266.1	275.1
82.5°	191.8	182.8	179.7	182.8	180.8
85°	107.4	105.4	105.4	102.4	98.4
87.5°	44.2	46.2	47.2	46.2	44.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)