

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: P566765

Luminaire Tested: **4SNX-74HL-FDL-UNV-L950-CD**

Issue Date: 9/15/2022



**Test Information**

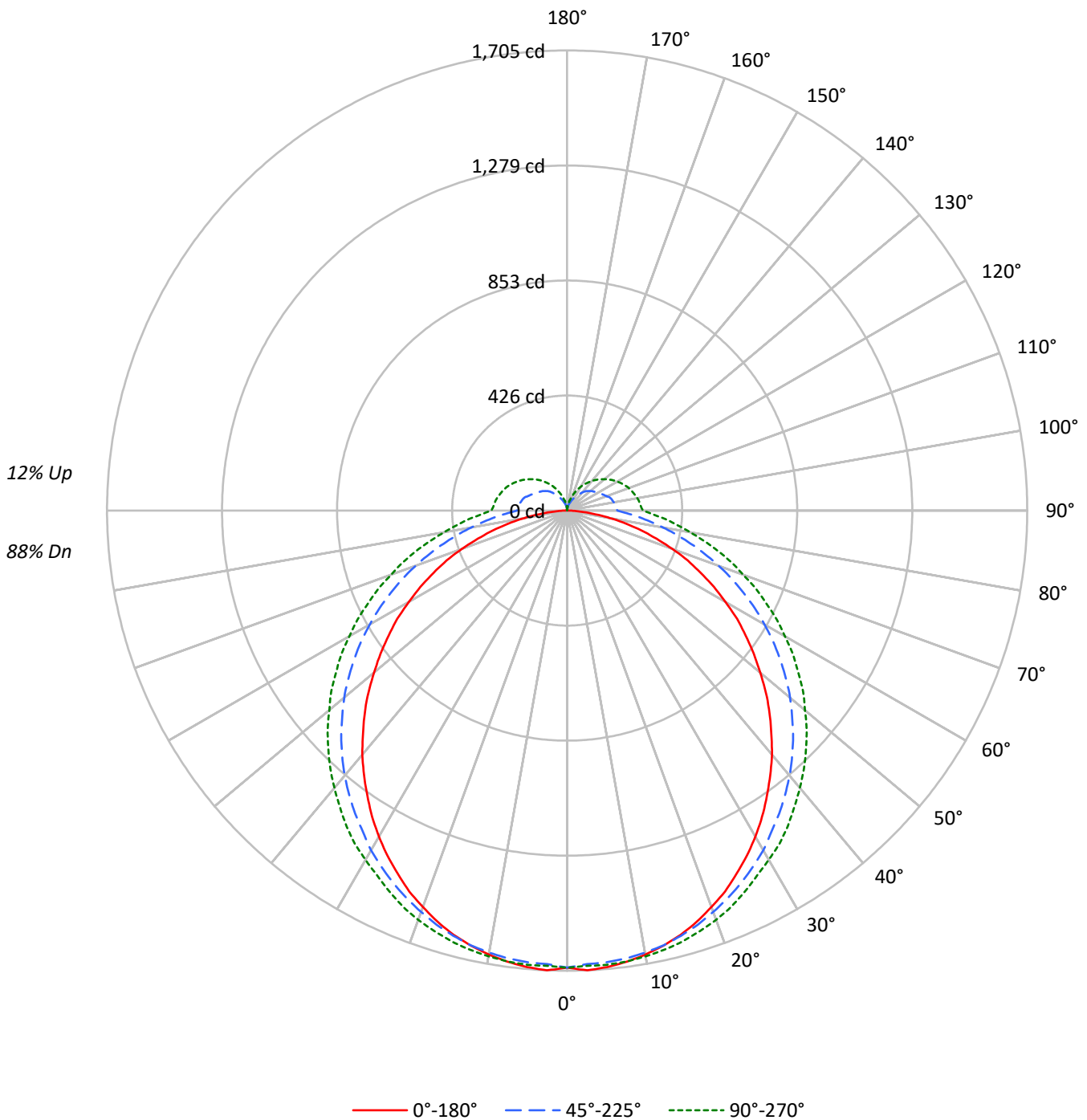
Test Method: LM-79-08  
Report Number: P566765  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SNX-74HL-FDL-UNV-L950-CD  
Description: 4FT 7400 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND FDL LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6097.0 lumens  
Efficiency: N/A  
Efficacy: 117.7 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.04')  
CIE Type: Semi-Direct  
  
Input Watts (W): 51.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	0
RCR																		
0	116	116	116	116	112	112	112	112	105	105	105	98	98	98	91	91	91	88
1	105	99	95	90	101	96	92	88	89	86	83	84	81	78	78	76	74	71
2	95	86	79	72	91	83	76	71	77	72	67	72	68	64	68	64	61	58
3	86	75	66	60	82	72	65	58	68	61	56	63	58	53	59	55	51	48
4	78	66	57	50	75	64	56	49	60	53	47	56	50	45	53	48	43	41
5	72	59	50	43	69	57	48	42	54	46	41	50	44	39	47	42	38	35
6	66	53	44	37	64	51	43	37	48	41	35	45	39	34	43	37	33	31
7	61	48	39	33	59	46	38	32	44	36	31	41	35	30	39	33	29	27
8	57	43	35	29	55	42	34	29	40	33	28	38	31	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	27	23	21
10	50	37	29	23	48	36	28	23	34	27	22	32	26	22	31	25	21	19

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	18229	18229	18229
5°	18327	17955	17991
10°	18225	17786	17804
15°	18077	17584	17631
20°	17836	17340	17433
25°	17548	17094	17167
30°	17234	16847	16940
35°	16835	16549	16782
40°	16449	16302	16540
45°	15982	16018	16335
50°	15439	15715	16075
55°	14924	15342	15842
60°	14329	14944	15558
65°	13605	14486	15281
70°	12682	13984	14966
75°	11369	13435	14858
80°	9534	13096	14738
85°	6909	13365	15534



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	160.8	2.6
10°-20°	462.5	7.6
20°-30°	703.5	11.5
30°-40°	855.4	14.0
40°-50°	905.0	14.8
50°-60°	848.4	13.9
60°-70°	697.9	11.4
70°-80°	482.9	7.9
80°-90°	268.5	4.4
90°-100°	176.9	2.9
100°-110°	158.6	2.6
110°-120°	131.3	2.2
120°-130°	101.5	1.7
130°-140°	71.9	1.2
140°-150°	43.3	0.7
150°-160°	20.8	0.3
160°-170°	6.8	0.1
170°-180°	0.8	0.0
0°-30°	1326.8	21.8
0°-40°	2182.2	35.8
0°-60°	3935.6	64.6
0°-90°	5385.0	88.3
90°-120°	466.8	7.7
90°-150°	683.5	11.2
90°-180°	712.0	11.7
0°-180°	6097.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1694	1694	1694	1694	1694	
5°	1698	1695	1680	1694	1689	161
15°	1627	1632	1631	1653	1653	458
25°	1485	1506	1523	1557	1558	684
35°	1290	1325	1370	1414	1426	808
45°	1061	1116	1184	1237	1252	818
55°	807	879	964	1024	1045	722
65°	546	624	722	792	814	541
75°	284	366	474	549	580	301
85°	63	156	263	336	365	72
90°	1	88	186	256	281	4
95°	1	84	181	247	272	1
105°	1	72	169	233	254	1
115°	2	63	143	207	230	2
125°	2	53	122	176	198	2
135°	2	42	102	145	163	2
145°	2	30	71	110	123	1
155°	3	21	44	70	81	1
165°	3	14	24	32	42	1
175°	3	5	7	7	4	0
180°	2	2	2	2	2	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1693.5	1693.5	1693.5	1693.5	1693.5
2.5°	1705.0	1699.8	1682.0	1693.5	1688.3
5°	1697.7	1694.6	1679.9	1693.5	1689.3
7.5°	1686.2	1685.2	1673.7	1689.3	1685.2
10°	1670.5	1672.6	1663.2	1679.9	1676.8
12.5°	1650.7	1653.8	1649.7	1668.5	1666.4
15°	1626.7	1631.9	1630.9	1652.8	1652.8
17.5°	1597.5	1604.8	1608.9	1634.0	1634.0
20°	1563.0	1574.5	1582.8	1610.0	1614.2
22.5°	1528.5	1542.1	1554.6	1582.8	1589.1
25°	1484.7	1505.6	1523.3	1556.7	1557.8
27.5°	1441.9	1464.9	1488.9	1521.2	1524.4
30°	1394.9	1424.1	1453.4	1484.7	1494.1
32.5°	1344.8	1377.2	1409.5	1451.3	1463.8
35°	1290.5	1324.9	1369.8	1413.7	1426.2
37.5°	1236.2	1274.8	1327.0	1371.9	1383.4
40°	1180.9	1223.7	1282.1	1328.1	1341.7
42.5°	1119.3	1171.5	1234.1	1283.2	1298.8
45°	1060.8	1116.1	1184.0	1237.2	1251.9
47.5°	999.2	1057.7	1130.7	1187.1	1203.8
50°	933.4	1000.2	1078.5	1134.9	1150.6
52.5°	871.8	939.7	1022.2	1080.6	1102.6
55°	807.1	879.1	963.7	1024.3	1045.1
57.5°	746.5	815.4	906.3	966.8	992.9
60°	677.6	753.8	844.7	910.4	931.3
62.5°	612.9	690.1	784.1	852.0	876.0
65°	546.1	624.4	721.5	792.5	814.4
67.5°	483.4	560.7	659.9	729.8	758.0
70°	414.5	495.9	597.2	669.3	693.3
72.5°	346.6	431.2	534.6	611.8	639.0
75°	284.0	366.5	474.0	549.2	579.5
77.5°	223.4	307.0	415.5	492.8	518.9
80°	162.9	250.6	361.3	437.5	462.5
82.5°	107.5	199.4	309.1	385.3	412.4
85°	62.6	155.6	263.1	336.2	365.4
87.5°	27.1	118.0	220.3	292.3	316.4
90°	1.0	87.7	185.8	255.8	280.9
92.5°	1.0	85.6	181.7	250.6	274.6
95°	1.0	83.5	180.6	247.4	271.5
97.5°	1.0	82.5	178.5	245.4	268.3
100°	1.0	79.4	175.4	241.2	264.2
102.5°	1.0	75.2	172.3	237.0	258.9
105°	1.0	72.0	169.1	232.8	253.7
107.5°	1.0	68.9	163.9	227.6	248.5
110°	1.0	65.8	155.6	222.4	243.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.0	64.7	149.3	215.1	237.0
115°	2.1	62.6	143.0	206.7	229.7
117.5°	2.1	61.6	137.8	198.4	222.4
120°	2.1	58.5	132.6	191.1	214.0
122.5°	2.1	55.3	127.4	183.8	206.7
125°	2.1	53.2	122.2	176.5	198.4
127.5°	2.1	50.1	118.0	169.1	189.0
130°	2.1	48.0	112.8	160.8	180.6
132.5°	2.1	44.9	107.5	152.4	171.2
135°	2.1	41.8	102.3	145.1	162.9
137.5°	2.1	37.6	96.1	136.8	153.5
140°	2.1	34.5	87.7	128.4	144.1
142.5°	2.1	32.4	79.4	119.0	133.6
145°	2.1	30.3	71.0	109.6	123.2
147.5°	2.1	28.2	63.7	100.2	112.8
150°	2.1	25.1	56.4	91.9	102.3
152.5°	3.1	23.0	50.1	81.4	91.9
155°	3.1	20.9	43.9	70.0	81.4
157.5°	3.1	18.8	37.6	58.5	71.0
160°	3.1	16.7	32.4	48.0	60.6
162.5°	3.1	15.7	28.2	39.7	51.2
165°	3.1	13.6	24.0	32.4	41.8
167.5°	3.1	10.4	19.8	25.1	34.5
170°	3.1	8.4	15.7	17.7	26.1
172.5°	3.1	6.3	11.5	12.5	13.6
175°	3.1	5.2	7.3	7.3	4.2
177.5°	3.1	4.2	4.2	4.2	2.1
180°	2.1	2.1	2.1	2.1	2.1

(END OF REPORT)