

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: P566781

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

Issue Date: 9/15/2022



**Test Information**

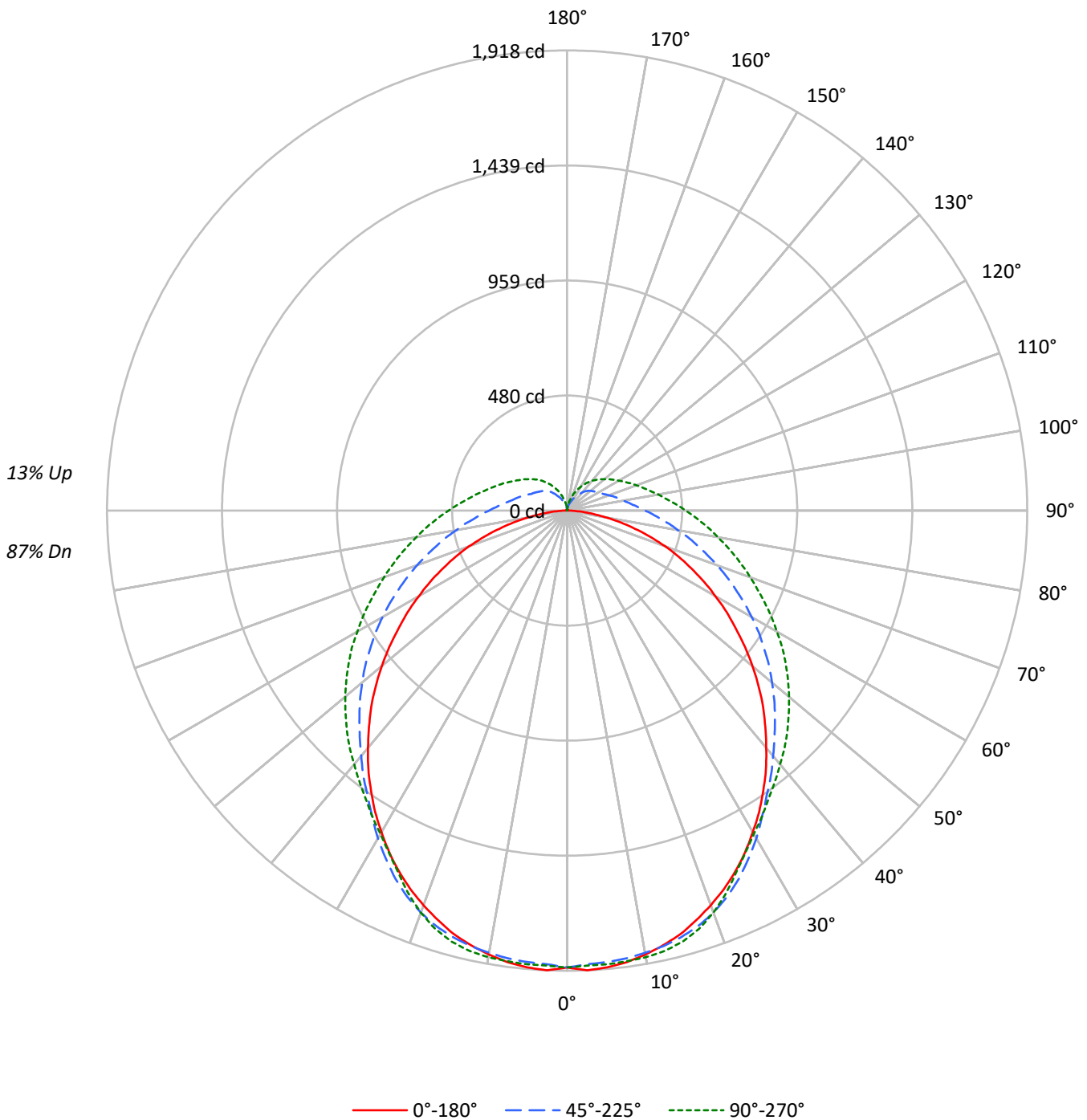
Test Method: LM-79-08  
Report Number: P566781  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SNX-74HL-LN-UNV-L950-CD  
Description: 4FT 7400 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LN LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6874.0 lumens  
Efficiency: N/A  
Efficacy: 132.7 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.35  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')  
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	104	104	104	96	96	96	90	90	90	87
1	104	98	93	89	100	95	90	86	88	84	81	82	79	76	76	74	72	68
2	94	85	77	71	90	82	75	69	76	70	66	71	66	62	66	62	59	56
3	85	74	65	58	81	71	63	57	66	60	54	62	56	52	58	53	49	46
4	78	65	56	49	74	63	55	48	59	52	46	55	49	44	51	46	42	39
5	71	58	49	42	68	56	48	41	53	45	40	49	43	38	46	41	36	34
6	66	52	43	37	63	51	42	36	47	40	35	44	38	33	42	36	32	29
7	61	47	38	32	58	46	38	32	43	36	30	41	34	29	38	33	28	26
8	57	43	35	29	54	42	34	28	39	32	27	37	31	26	35	29	25	23
9	53	39	31	26	51	38	31	25	36	29	24	34	28	24	32	27	23	21
10	50	36	28	23	48	35	28	23	34	27	22	32	26	21	30	25	21	19

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

	0°	45°	90°
0°	20497	20497	20497
5°	20576	19555	19382
10°	20383	18796	18487
15°	20138	18079	17585
20°	19751	17275	16436
25°	19334	16303	15088
30°	18783	15213	13963
35°	18198	14103	13123
40°	17530	13212	12444
45°	16877	12422	11857
50°	16100	11695	11266
55°	15192	10964	10688
60°	14320	10236	10083
65°	13350	9502	9529
70°	12242	8813	9028
75°	10528	8141	8614
80°	8298	7562	8265
85°	5555	7147	8065



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	180.9	2.6
10°-20°	520.1	7.6
20°-30°	774.5	11.3
30°-40°	913.8	13.3
40°-50°	953.0	13.9
50°-60°	895.6	13.0
60°-70°	756.3	11.0
70°-80°	571.5	8.3
80°-90°	393.9	5.7
90°-100°	275.7	4.0
100°-110°	205.7	3.0
110°-120°	155.1	2.3
120°-130°	115.7	1.7
130°-140°	81.2	1.2
140°-150°	49.1	0.7
150°-160°	23.5	0.3
160°-170°	7.5	0.1
170°-180°	0.9	0.0
0°-30°	1475.5	21.5
0°-40°	2389.3	34.8
0°-60°	4238.0	61.7
0°-90°	5959.7	86.7
90°-120°	636.5	9.3
90°-150°	882.4	12.8
90°-180°	914.0	13.3
0°-180°	6874.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1904	1904	1904	1904	1904	
5°	1911	1908	1889	1903	1898	181
15°	1827	1836	1840	1863	1860	515
25°	1660	1693	1693	1678	1665	763
35°	1425	1478	1450	1461	1465	891
45°	1155	1212	1225	1275	1298	889
55°	858	931	1002	1083	1112	770
65°	571	662	774	875	909	567
75°	292	406	562	679	722	311
85°	66	209	389	517	563	74
90°	1	148	325	450	494	5
95°	1	115	275	394	435	1
105°	2	83	212	308	343	2
115°	2	71	164	245	276	2
125°	4	61	139	200	226	3
135°	4	47	115	163	183	3
145°	5	34	80	125	140	3
155°	5	22	49	79	92	2
165°	6	14	26	35	47	2
175°	6	6	7	7	4	1
180°	4	4	4	4	4	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1904.2	1904.2	1904.2	1904.2	1904.2
2.5°	1918.2	1913.5	1892.6	1904.2	1898.4
5°	1911.2	1907.7	1889.1	1903.1	1898.4
7.5°	1898.4	1897.2	1883.2	1899.6	1894.9
10°	1878.6	1882.1	1871.6	1893.7	1890.2
12.5°	1855.3	1862.3	1858.8	1883.2	1879.8
15°	1827.3	1835.5	1840.1	1863.4	1859.9
17.5°	1790.0	1805.2	1815.7	1834.3	1828.5
20°	1750.4	1771.4	1783.0	1792.3	1783.0
22.5°	1707.3	1735.2	1742.2	1737.6	1728.3
25°	1659.5	1693.3	1693.3	1678.1	1665.3
27.5°	1605.9	1647.8	1636.2	1618.7	1608.2
30°	1547.6	1597.7	1577.9	1558.1	1555.8
32.5°	1489.4	1541.8	1512.7	1508.0	1511.5
35°	1425.3	1477.7	1449.7	1461.4	1464.9
37.5°	1361.2	1413.6	1395.0	1412.4	1422.9
40°	1291.2	1347.2	1335.5	1367.0	1381.0
42.5°	1222.5	1280.7	1279.6	1320.4	1341.3
45°	1154.9	1212.0	1224.8	1274.9	1298.2
47.5°	1081.5	1139.7	1171.2	1229.5	1252.8
50°	1009.2	1072.1	1115.3	1180.5	1207.3
52.5°	934.6	1001.1	1060.5	1132.7	1160.7
55°	857.7	931.1	1002.2	1082.6	1111.8
57.5°	789.0	863.5	947.5	1030.2	1064.0
60°	713.2	796.0	888.0	975.4	1009.2
62.5°	644.5	729.5	832.1	924.1	960.3
65°	571.0	661.9	773.8	875.2	909.0
67.5°	503.4	596.7	719.0	821.6	858.9
70°	433.5	532.6	665.4	773.8	812.3
72.5°	361.3	466.2	611.8	727.2	766.8
75°	292.5	405.6	561.7	679.4	722.5
77.5°	228.4	347.3	516.3	637.5	679.4
80°	165.5	294.8	468.5	594.3	637.5
82.5°	109.5	249.4	430.0	555.9	601.3
85°	66.4	208.6	389.2	517.4	562.9
87.5°	30.3	174.8	356.6	483.6	527.9
90°	1.2	148.0	325.1	449.8	494.1
92.5°	1.2	129.4	299.5	420.7	463.8
95°	1.2	115.4	275.0	393.9	434.7
97.5°	1.2	106.0	256.4	368.3	407.9
100°	1.2	96.7	237.7	345.0	385.7
102.5°	2.3	88.6	223.8	324.0	362.4
105°	2.3	82.7	212.1	307.7	342.6
107.5°	2.3	79.2	199.3	291.3	324.0
110°	2.3	75.7	185.3	275.0	307.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	2.3	73.4	174.8	261.0	292.5
115°	2.3	71.1	164.3	244.7	276.2
117.5°	2.3	69.9	158.5	231.9	262.2
120°	3.5	66.4	151.5	220.3	249.4
122.5°	3.5	62.9	144.5	210.9	236.6
125°	3.5	60.6	138.7	200.4	226.1
127.5°	3.5	57.1	132.9	191.1	214.4
130°	3.5	53.6	128.2	181.8	203.9
132.5°	3.5	50.1	122.4	172.5	193.5
135°	3.5	46.6	115.4	163.2	183.0
137.5°	3.5	43.1	108.4	153.8	172.5
140°	3.5	39.6	99.1	144.5	162.0
142.5°	3.5	36.1	89.7	135.2	150.3
145°	4.7	33.8	80.4	124.7	139.8
147.5°	4.7	30.3	71.1	114.2	127.0
150°	4.7	28.0	64.1	103.7	115.4
152.5°	4.7	24.5	57.1	92.1	103.7
155°	4.7	22.1	48.9	79.2	92.1
157.5°	4.7	19.8	42.0	66.4	80.4
160°	4.7	18.6	36.1	54.8	68.8
162.5°	5.8	16.3	30.3	44.3	57.1
165°	5.8	14.0	25.6	35.0	46.6
167.5°	5.8	11.7	21.0	26.8	36.1
170°	5.8	9.3	16.3	18.6	28.0
172.5°	5.8	7.0	11.7	12.8	14.0
175°	5.8	5.8	7.0	7.0	3.5
177.5°	5.8	5.8	4.7	3.5	1.2
180°	3.5	3.5	3.5	3.5	3.5

(END OF REPORT)