

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: P566789

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566789
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-LW-UNV-L950-CD
Description: 4FT 7400 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

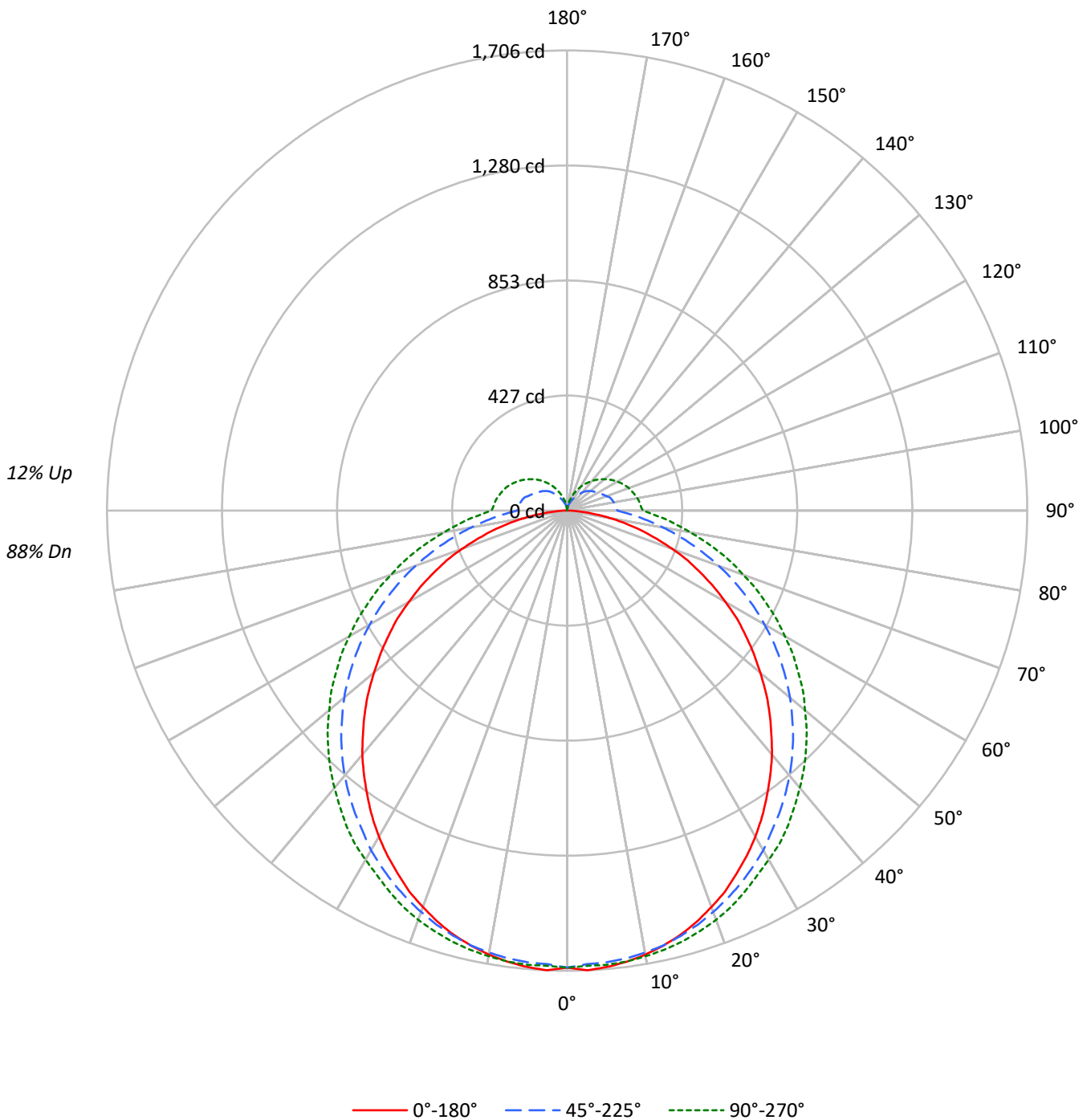
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6100.0 lumens
Efficiency: N/A
Efficacy: 117.8 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: 0.17')
CIE Type: Semi-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	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°	18237	18237	18237
5°	18286	17399	17256
10°	18135	16713	16407
15°	17936	16031	15634
20°	17645	15343	14887
25°	17305	14674	14120
30°	16939	14019	13415
35°	16485	13333	12783
40°	16039	12691	12095
45°	15509	12015	11440
50°	14899	11316	10743
55°	14303	10549	10052
60°	13611	9742	9310
65°	12773	8863	8541
70°	11711	7914	7709
75°	10225	6873	6913
80°	8173	5833	6000
85°	5245	4834	5238



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.9	2.6
10°-20°	462.7	7.6
20°-30°	703.9	11.5
30°-40°	855.9	14.0
40°-50°	905.5	14.8
50°-60°	848.8	13.9
60°-70°	698.3	11.4
70°-80°	483.1	7.9
80°-90°	268.6	4.4
90°-100°	177.0	2.9
100°-110°	158.7	2.6
110°-120°	131.4	2.2
120°-130°	101.5	1.7
130°-140°	71.9	1.2
140°-150°	43.4	0.7
150°-160°	20.8	0.3
160°-170°	6.8	0.1
170°-180°	0.8	0.0
0°-30°	1327.5	21.8
0°-40°	2183.3	35.8
0°-60°	3937.6	64.6
0°-90°	5387.7	88.3
90°-120°	467.1	7.7
90°-150°	683.9	11.2
90°-180°	712.0	11.7
0°-180°	6100.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1694	1694	1694	1694	1694	
5°	1698	1695	1681	1694	1690	161
15°	1628	1633	1632	1654	1654	459
25°	1485	1506	1524	1558	1558	685
35°	1291	1326	1370	1414	1427	808
45°	1061	1117	1185	1238	1252	818
55°	808	880	964	1025	1046	723
65°	546	625	722	793	815	542
75°	284	367	474	550	580	301
85°	63	156	263	336	366	72
90°	1	88	186	256	281	4
95°	1	84	181	248	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	82	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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CATALOG NUMBER: 4SNX-74HL-LW-UNV-L950-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1694.3	1694.3	1694.3	1694.3	1694.3
2.5°	1705.8	1700.6	1682.9	1694.3	1689.1
5°	1698.5	1695.4	1680.8	1694.3	1690.2
7.5°	1687.0	1686.0	1674.5	1690.2	1686.0
10°	1671.4	1673.5	1664.1	1680.8	1677.6
12.5°	1651.5	1654.6	1650.5	1669.3	1667.2
15°	1627.5	1632.7	1631.7	1653.6	1653.6
17.5°	1598.2	1605.6	1609.7	1634.8	1634.8
20°	1563.8	1575.3	1583.6	1610.8	1615.0
22.5°	1529.3	1542.9	1555.4	1583.6	1589.9
25°	1485.4	1506.3	1524.1	1557.5	1558.5
27.5°	1442.6	1465.6	1489.6	1522.0	1525.1
30°	1395.6	1424.8	1454.1	1485.4	1494.8
32.5°	1345.4	1377.8	1410.2	1452.0	1464.5
35°	1291.1	1325.6	1370.5	1414.4	1426.9
37.5°	1236.8	1275.5	1327.7	1372.6	1384.1
40°	1181.4	1224.3	1282.8	1328.7	1342.3
42.5°	1119.8	1172.0	1234.7	1283.8	1299.5
45°	1061.3	1116.7	1184.6	1237.9	1252.5
47.5°	999.7	1058.2	1131.3	1187.7	1204.4
50°	933.9	1000.7	1079.1	1135.5	1151.2
52.5°	872.2	940.1	1022.7	1081.2	1103.1
55°	807.5	879.6	964.2	1024.8	1045.6
57.5°	746.9	815.8	906.7	967.3	993.4
60°	677.9	754.2	845.1	910.9	931.8
62.5°	613.2	690.5	784.5	852.4	876.4
65°	546.3	624.7	721.8	792.9	814.8
67.5°	483.7	561.0	660.2	730.2	758.4
70°	414.7	496.2	597.5	669.6	693.6
72.5°	346.8	431.4	534.8	612.1	639.3
75°	284.1	366.7	474.2	549.5	579.8
77.5°	223.5	307.1	415.8	493.1	519.2
80°	163.0	250.7	361.4	437.7	462.8
82.5°	107.6	199.5	309.2	385.5	412.6
85°	62.7	155.6	263.2	336.4	365.6
87.5°	27.2	118.0	220.4	292.5	316.5
90°	1.0	87.7	185.9	255.9	281.0
92.5°	1.0	85.7	181.8	250.7	274.7
95°	1.0	83.6	180.7	247.6	271.6
97.5°	1.0	82.5	178.6	245.5	268.5
100°	1.0	79.4	175.5	241.3	264.3
102.5°	1.0	75.2	172.4	237.1	259.1
105°	1.0	72.1	169.2	232.9	253.8
107.5°	1.0	68.9	164.0	227.7	248.6
110°	1.0	65.8	155.6	222.5	243.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.0	64.8	149.4	215.2	237.1
115°	2.1	62.7	143.1	206.8	229.8
117.5°	2.1	61.6	137.9	198.5	222.5
120°	2.1	58.5	132.7	191.2	214.1
122.5°	2.1	55.4	127.4	183.8	206.8
125°	2.1	53.3	122.2	176.5	198.5
127.5°	2.1	50.1	118.0	169.2	189.1
130°	2.1	48.1	112.8	160.9	180.7
132.5°	2.1	44.9	107.6	152.5	171.3
135°	2.1	41.8	102.4	145.2	163.0
137.5°	2.1	37.6	96.1	136.8	153.6
140°	2.1	34.5	87.7	128.5	144.2
142.5°	2.1	32.4	79.4	119.1	133.7
145°	2.1	30.3	71.0	109.7	123.3
147.5°	2.1	28.2	63.7	100.3	112.8
150°	2.1	25.1	56.4	91.9	102.4
152.5°	3.1	23.0	50.1	81.5	91.9
155°	3.1	20.9	43.9	70.0	81.5
157.5°	3.1	18.8	37.6	58.5	71.0
160°	3.1	16.7	32.4	48.1	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	17.8	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)