

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: P566797

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

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566797  
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-SLW-UNV-L950-CD  
Description: 4FT 7400 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND SLW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

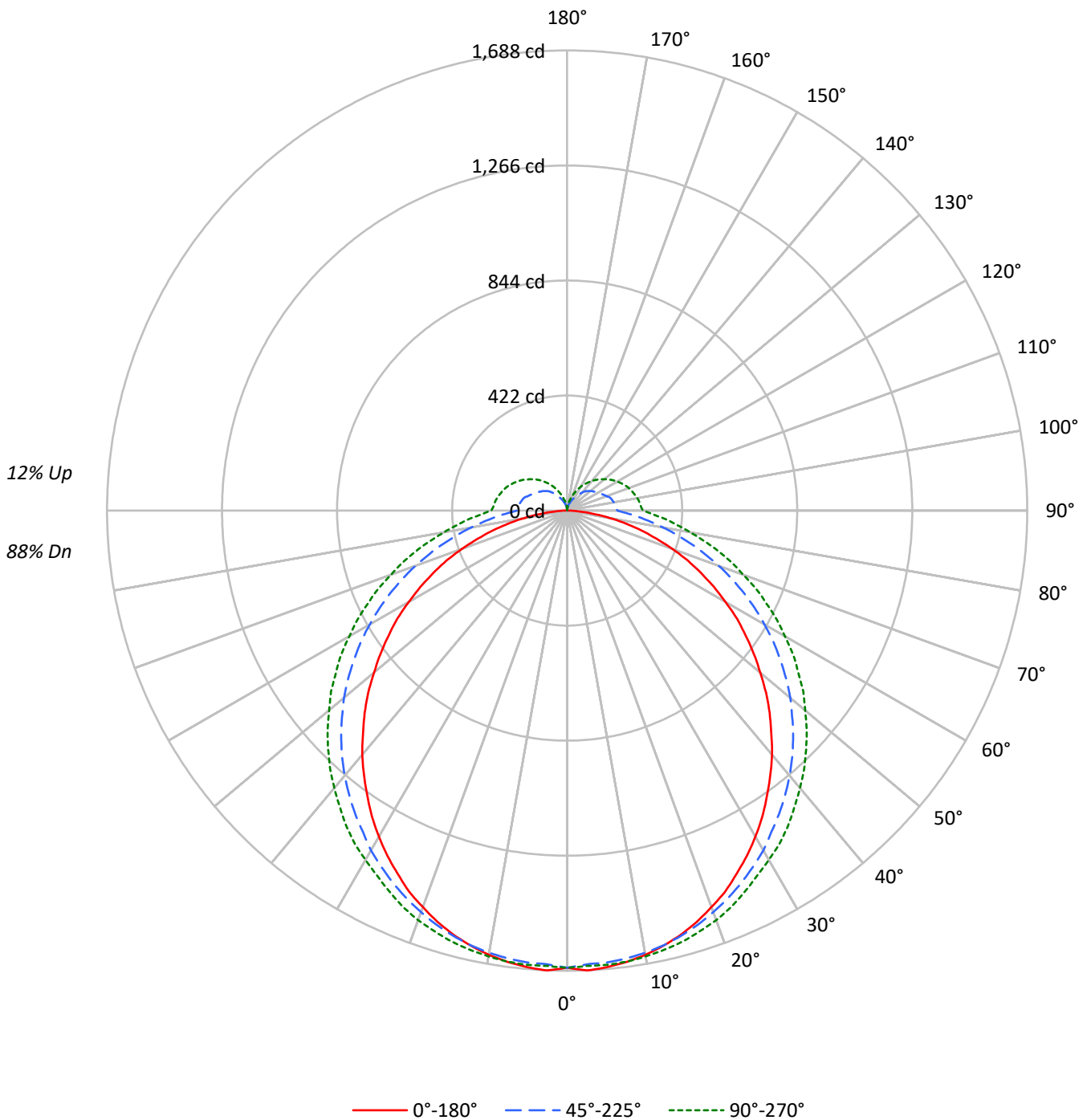
Lumens per Lamp: N/A  
Luminaire Lumens: 6038.0 lumens  
Efficiency: N/A  
Efficacy: 116.6 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')  
CIE Type: Semi-Direct

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°	18052	18052	18052
5°	18134	17592	17567
10°	18017	17244	17147
15°	17852	16871	16750
20°	17598	16461	16336
25°	17295	16050	15866
30°	16966	15637	15432
35°	16553	15176	15059
40°	16150	14753	14602
45°	15666	14285	14168
50°	15106	13788	13672
55°	14568	13206	13176
60°	13946	12575	12606
65°	13187	11856	11999
70°	12222	11044	11300
75°	10854	10110	10660
80°	8946	9185	9850
85°	6189	8357	9322



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	159.2	2.6
10°-20°	458.0	7.6
20°-30°	696.7	11.5
30°-40°	847.2	14.0
40°-50°	896.3	14.8
50°-60°	840.1	13.9
60°-70°	691.2	11.4
70°-80°	478.2	7.9
80°-90°	265.9	4.4
90°-100°	175.2	2.9
100°-110°	157.1	2.6
110°-120°	130.0	2.2
120°-130°	100.5	1.7
130°-140°	71.2	1.2
140°-150°	42.9	0.7
150°-160°	20.6	0.3
160°-170°	6.7	0.1
170°-180°	0.8	0.0
0°-30°	1314.0	21.8
0°-40°	2161.1	35.8
0°-60°	3897.6	64.6
0°-90°	5332.9	88.3
90°-120°	462.3	7.7
90°-150°	676.9	11.2
90°-180°	705.0	11.7
0°-180°	6038.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1677	1677	1677	1677	1677	
5°	1681	1678	1664	1677	1673	160
15°	1611	1616	1615	1637	1637	454
25°	1470	1491	1509	1542	1543	678
35°	1278	1312	1357	1400	1412	800
45°	1050	1105	1172	1225	1240	810
55°	799	871	954	1014	1035	716
65°	541	618	714	785	806	536
75°	281	363	469	544	574	298
85°	62	154	261	333	362	71
90°	1	87	184	253	278	4
95°	1	83	179	245	269	1
105°	1	71	168	231	251	1
115°	2	62	142	205	228	2
125°	2	53	121	175	196	2
135°	2	41	101	144	161	2
145°	2	30	70	109	122	1
155°	3	21	43	69	81	1
165°	3	13	24	32	41	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°	1677.1	1677.1	1677.1	1677.1	1677.1
2.5°	1688.5	1683.3	1665.7	1677.1	1672.0
5°	1681.3	1678.2	1663.7	1677.1	1673.0
7.5°	1669.9	1668.9	1657.5	1673.0	1668.9
10°	1654.4	1656.4	1647.1	1663.7	1660.6
12.5°	1634.7	1637.8	1633.7	1652.3	1650.2
15°	1610.9	1616.1	1615.1	1636.8	1636.8
17.5°	1582.0	1589.2	1593.4	1618.2	1618.2
20°	1547.9	1559.2	1567.5	1594.4	1598.5
22.5°	1513.8	1527.2	1539.6	1567.5	1573.7
25°	1470.3	1491.0	1508.6	1541.7	1542.7
27.5°	1427.9	1450.7	1474.5	1506.5	1509.6
30°	1381.4	1410.4	1439.3	1470.3	1479.6
32.5°	1331.8	1363.8	1395.9	1437.2	1449.6
35°	1278.0	1312.1	1356.6	1400.0	1412.4
37.5°	1224.2	1262.5	1314.2	1358.7	1370.0
40°	1169.4	1211.8	1269.7	1315.2	1328.7
42.5°	1108.4	1160.1	1222.2	1270.8	1286.3
45°	1050.5	1105.3	1172.5	1225.3	1239.7
47.5°	989.5	1047.4	1119.8	1175.6	1192.2
50°	924.4	990.6	1068.1	1123.9	1139.5
52.5°	863.4	930.6	1012.3	1070.2	1091.9
55°	799.3	870.6	954.4	1014.3	1035.0
57.5°	739.3	807.5	897.5	957.5	983.3
60°	671.1	746.5	836.5	901.6	922.3
62.5°	606.9	683.5	776.5	843.7	867.5
65°	540.8	618.3	714.5	784.8	806.5
67.5°	478.7	555.2	653.5	722.8	750.7
70°	410.5	491.1	591.4	662.8	686.6
72.5°	343.3	427.0	529.4	605.9	632.8
75°	281.2	362.9	469.4	543.9	573.9
77.5°	221.3	304.0	411.5	488.0	513.9
80°	161.3	248.2	357.8	433.2	458.1
82.5°	106.5	197.5	306.1	381.5	408.4
85°	62.0	154.1	260.6	332.9	361.9
87.5°	26.9	116.8	218.2	289.5	313.3
90°	1.0	86.9	184.0	253.3	278.1
92.5°	1.0	84.8	179.9	248.2	271.9
95°	1.0	82.7	178.9	245.1	268.8
97.5°	1.0	81.7	176.8	243.0	265.7
100°	1.0	78.6	173.7	238.9	261.6
102.5°	1.0	74.4	170.6	234.7	256.4
105°	1.0	71.3	167.5	230.6	251.3
107.5°	1.0	68.2	162.3	225.4	246.1
110°	1.0	65.1	154.1	220.2	240.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.0	64.1	147.9	213.0	234.7
115°	2.1	62.0	141.7	204.7	227.5
117.5°	2.1	61.0	136.5	196.5	220.2
120°	2.1	57.9	131.3	189.2	212.0
122.5°	2.1	54.8	126.1	182.0	204.7
125°	2.1	52.7	121.0	174.7	196.5
127.5°	2.1	49.6	116.8	167.5	187.2
130°	2.1	47.6	111.7	159.2	178.9
132.5°	2.1	44.5	106.5	151.0	169.6
135°	2.1	41.4	101.3	143.7	161.3
137.5°	2.1	37.2	95.1	135.5	152.0
140°	2.1	34.1	86.9	127.2	142.7
142.5°	2.1	32.1	78.6	117.9	132.4
145°	2.1	30.0	70.3	108.6	122.0
147.5°	2.1	27.9	63.1	99.3	111.7
150°	2.1	24.8	55.8	91.0	101.3
152.5°	3.1	22.7	49.6	80.7	91.0
155°	3.1	20.7	43.4	69.3	80.7
157.5°	3.1	18.6	37.2	57.9	70.3
160°	3.1	16.5	32.1	47.6	60.0
162.5°	3.1	15.5	27.9	39.3	50.7
165°	3.1	13.4	23.8	32.1	41.4
167.5°	3.1	10.3	19.6	24.8	34.1
170°	3.1	8.3	15.5	17.6	25.8
172.5°	3.1	6.2	11.4	12.4	13.4
175°	3.1	5.2	7.2	7.2	4.1
177.5°	3.1	4.1	4.1	4.1	2.1
180°	2.1	2.1	2.1	2.1	2.1

(END OF REPORT)