

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: P566779

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

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566779  
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-L935-CD  
Description: 4FT 7400 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LN LENS  
Light Source: -  
Ballast/Driver: -

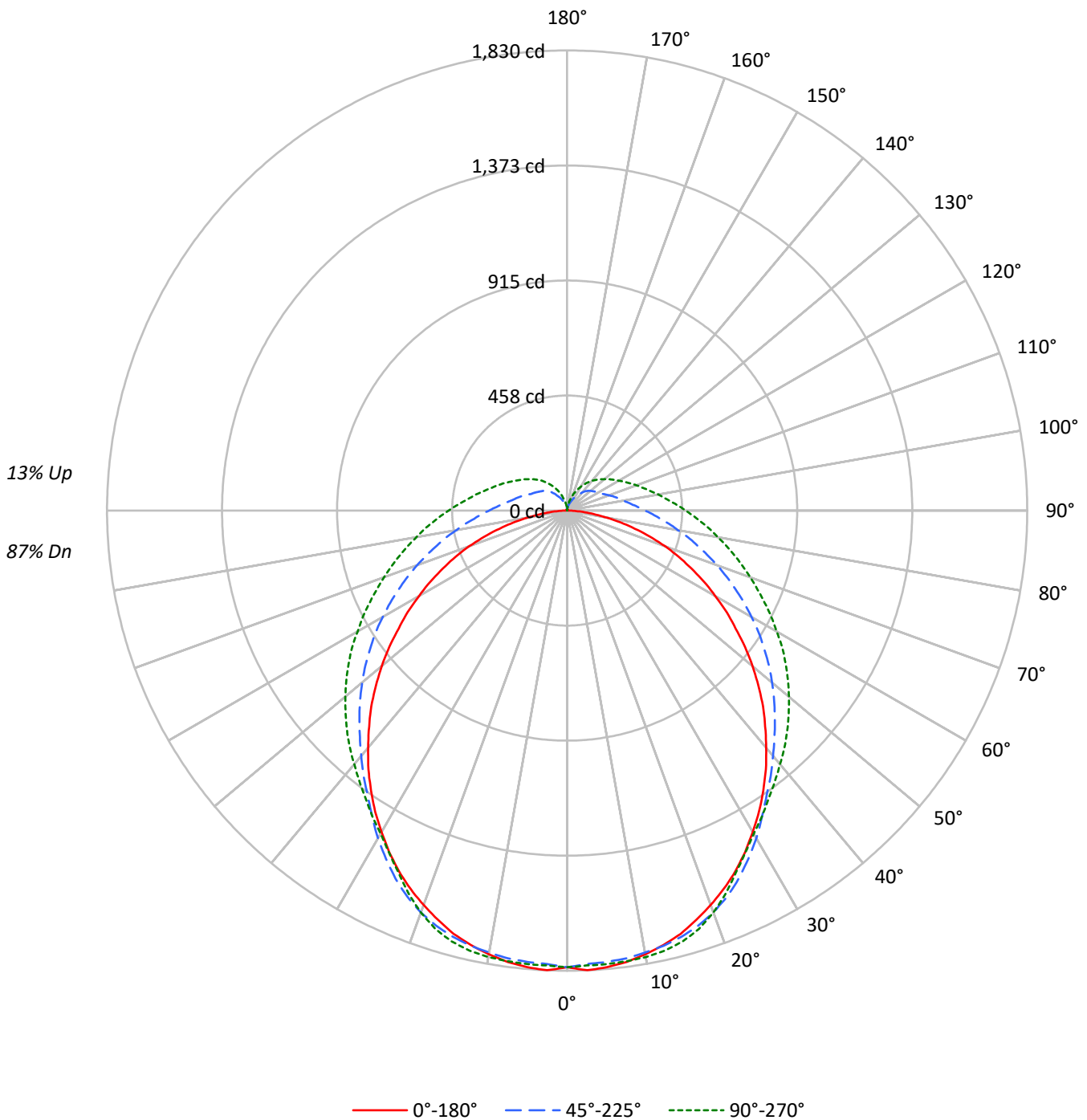
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6556.0 lumens  
Efficiency: N/A  
Efficacy: 126.6 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 (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	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°	19548	19548	19548
5°	19624	18650	18485
10°	19440	17927	17632
15°	19207	17243	16772
20°	18837	16475	15675
25°	18439	15549	14390
30°	17914	14509	13317
35°	17355	13451	12516
40°	16720	12601	11868
45°	16097	11847	11309
50°	15355	11154	10745
55°	14489	10458	10193
60°	13658	9763	9616
65°	12733	9062	9087
70°	11677	8405	8610
75°	10042	7765	8216
80°	7912	7211	7883
85°	5304	6817	7691



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	172.5	2.6
10°-20°	496.0	7.6
20°-30°	738.6	11.3
30°-40°	871.6	13.3
40°-50°	908.9	13.9
50°-60°	854.2	13.0
60°-70°	721.3	11.0
70°-80°	545.0	8.3
80°-90°	375.7	5.7
90°-100°	262.9	4.0
100°-110°	196.2	3.0
110°-120°	147.9	2.3
120°-130°	110.3	1.7
130°-140°	77.4	1.2
140°-150°	46.8	0.7
150°-160°	22.4	0.3
160°-170°	7.2	0.1
170°-180°	0.9	0.0
0°-30°	1407.2	21.5
0°-40°	2278.8	34.8
0°-60°	4041.9	61.7
0°-90°	5684.0	86.7
90°-120°	607.0	9.3
90°-150°	841.6	12.8
90°-180°	872.0	13.3
0°-180°	6556.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1816	1816	1816	1816	1816	
5°	1823	1820	1802	1815	1811	173
15°	1743	1751	1755	1777	1774	491
25°	1583	1615	1615	1600	1588	728
35°	1359	1409	1383	1394	1397	850
45°	1102	1156	1168	1216	1238	848
55°	818	888	956	1033	1060	734
65°	545	631	738	835	867	541
75°	279	387	536	648	689	297
85°	63	199	371	494	537	71
90°	1	141	310	429	471	4
95°	1	110	262	376	415	1
105°	2	79	202	293	327	2
115°	2	68	157	233	263	2
125°	3	58	132	191	216	3
135°	3	44	110	156	174	3
145°	4	32	77	119	133	2
155°	4	21	47	76	88	2
165°	6	13	24	33	44	2
175°	6	6	7	7	3	1
180°	3	3	3	3	3	



TEST NUMBER: P566779

CATALOG NUMBER: 4SNX-74HL-LN-UNV-L935-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1816.1	1816.1	1816.1	1816.1	1816.1
2.5°	1829.5	1825.0	1805.0	1816.1	1810.6
5°	1822.8	1819.5	1801.7	1815.0	1810.6
7.5°	1810.6	1809.5	1796.1	1811.7	1807.2
10°	1791.7	1795.0	1785.0	1806.1	1802.8
12.5°	1769.5	1776.1	1772.8	1796.1	1792.8
15°	1742.8	1750.6	1755.0	1777.2	1773.9
17.5°	1707.2	1721.7	1731.7	1749.4	1743.9
20°	1669.4	1689.4	1700.5	1709.4	1700.5
22.5°	1628.3	1655.0	1661.6	1657.2	1648.3
25°	1582.7	1615.0	1615.0	1600.5	1588.3
27.5°	1531.6	1571.6	1560.5	1543.8	1533.8
30°	1476.0	1523.8	1504.9	1486.0	1483.8
32.5°	1420.5	1470.5	1442.7	1438.2	1441.6
35°	1359.3	1409.3	1382.7	1393.8	1397.1
37.5°	1298.2	1348.2	1330.4	1347.1	1357.1
40°	1231.5	1284.9	1273.7	1303.7	1317.1
42.5°	1165.9	1221.5	1220.4	1259.3	1279.3
45°	1101.5	1155.9	1168.1	1215.9	1238.2
47.5°	1031.4	1087.0	1117.0	1172.6	1194.8
50°	962.5	1022.5	1063.7	1125.9	1151.5
52.5°	891.4	954.7	1011.4	1080.3	1107.0
55°	818.0	888.1	955.9	1032.6	1060.3
57.5°	752.5	823.6	903.6	982.5	1014.8
60°	680.2	759.1	846.9	930.3	962.5
62.5°	614.6	695.8	793.6	881.4	915.8
65°	544.6	631.3	738.0	834.7	866.9
67.5°	480.2	569.1	685.8	783.6	819.1
70°	413.5	507.9	634.6	738.0	774.7
72.5°	344.6	444.6	583.5	693.6	731.3
75°	279.0	386.8	535.7	648.0	689.1
77.5°	217.8	331.2	492.4	608.0	648.0
80°	157.8	281.2	446.8	566.8	608.0
82.5°	104.5	237.9	410.1	530.2	573.5
85°	63.4	199.0	371.2	493.5	536.8
87.5°	28.9	166.7	340.1	461.3	503.5
90°	1.1	141.2	310.1	429.0	471.3
92.5°	1.1	123.4	285.6	401.2	442.4
95°	1.1	110.0	262.3	375.7	414.6
97.5°	1.1	101.1	244.5	351.2	389.0
100°	1.1	92.3	226.7	329.0	367.9
102.5°	2.2	84.5	213.4	309.0	345.7
105°	2.2	78.9	202.3	293.4	326.8
107.5°	2.2	75.6	190.1	277.9	309.0
110°	2.2	72.2	176.7	262.3	293.4



TEST NUMBER: P566779

CATALOG NUMBER: 4SNX-74HL-LN-UNV-L935-CD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	2.2	70.0	166.7	249.0	279.0
115°	2.2	67.8	156.7	233.4	263.4
117.5°	2.2	66.7	151.2	221.2	250.1
120°	3.3	63.4	144.5	210.1	237.9
122.5°	3.3	60.0	137.8	201.2	225.6
125°	3.3	57.8	132.3	191.2	215.6
127.5°	3.3	54.5	126.7	182.3	204.5
130°	3.3	51.1	122.3	173.4	194.5
132.5°	3.3	47.8	116.7	164.5	184.5
135°	3.3	44.5	110.0	155.6	174.5
137.5°	3.3	41.1	103.4	146.7	164.5
140°	3.3	37.8	94.5	137.8	154.5
142.5°	3.3	34.5	85.6	128.9	143.4
145°	4.4	32.2	76.7	118.9	133.4
147.5°	4.4	28.9	67.8	108.9	121.1
150°	4.4	26.7	61.1	98.9	110.0
152.5°	4.4	23.3	54.5	87.8	98.9
155°	4.4	21.1	46.7	75.6	87.8
157.5°	4.4	18.9	40.0	63.4	76.7
160°	4.4	17.8	34.5	52.2	65.6
162.5°	5.6	15.6	28.9	42.2	54.5
165°	5.6	13.3	24.5	33.3	44.5
167.5°	5.6	11.1	20.0	25.6	34.5
170°	5.6	8.9	15.6	17.8	26.7
172.5°	5.6	6.7	11.1	12.2	13.3
175°	5.6	5.6	6.7	6.7	3.3
177.5°	5.6	5.6	4.4	3.3	1.1
180°	3.3	3.3	3.3	3.3	3.3

(END OF REPORT)