

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: P566787

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

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566787  
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-L935-CD  
Description: 4FT 7400 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LW LENS  
Light Source: -  
Ballast/Driver: -

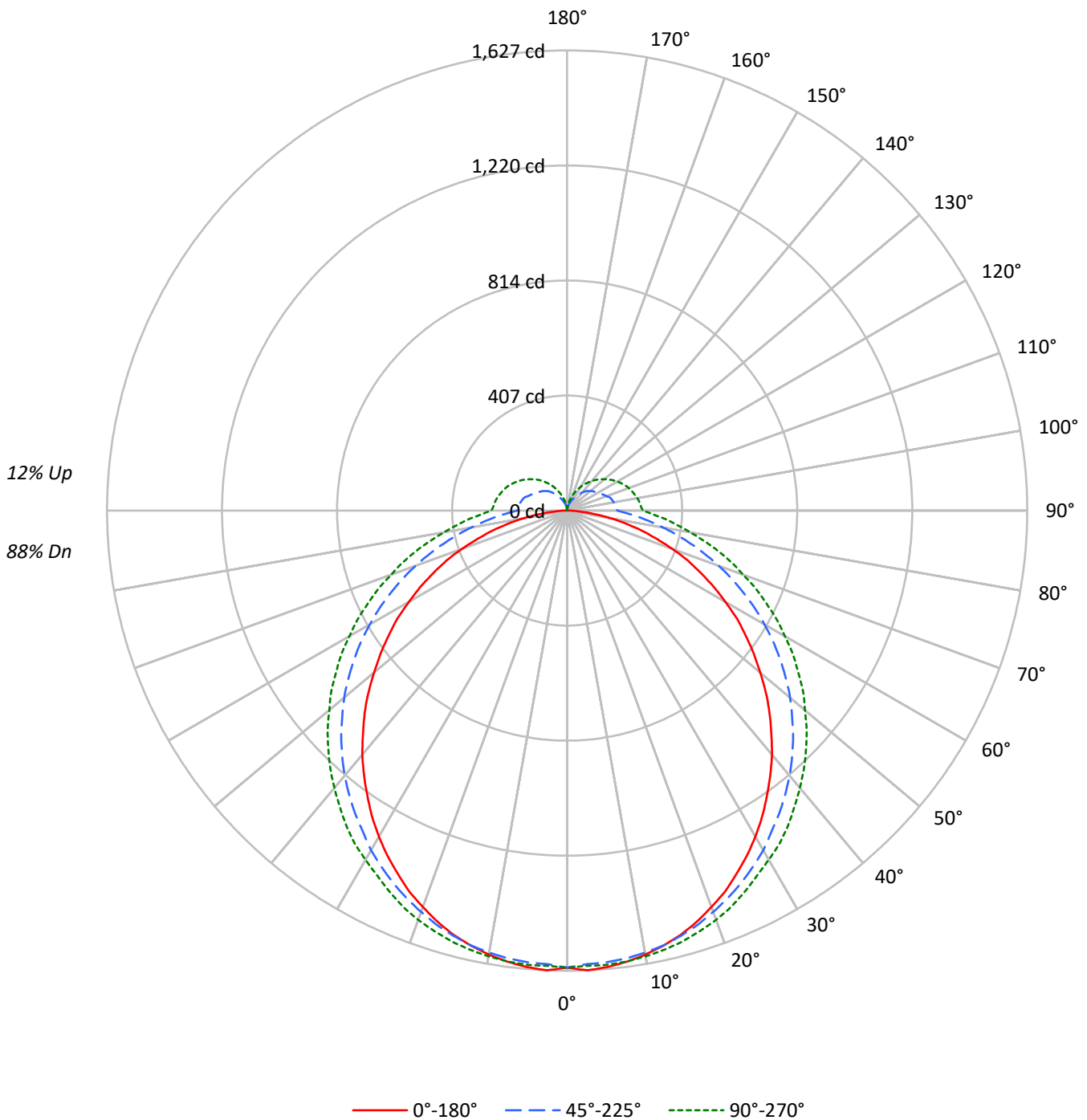
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5818.0 lumens  
Efficiency: N/A  
Efficacy: 112.3 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 (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°	17394	17394	17394
5°	17441	16594	16458
10°	17296	15939	15649
15°	17107	15290	14912
20°	16829	14633	14198
25°	16506	13995	13468
30°	16156	13371	12795
35°	15722	12717	12192
40°	15298	12104	11536
45°	14793	11459	10911
50°	14210	10792	10245
55°	13640	10061	9587
60°	12983	9291	8879
65°	12184	8455	8146
70°	11168	7548	7353
75°	9754	6556	6593
80°	7792	5563	5723
85°	5003	4611	4996



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	153.4	2.6
10°-20°	441.3	7.6
20°-30°	671.4	11.5
30°-40°	816.3	14.0
40°-50°	863.6	14.8
50°-60°	809.5	13.9
60°-70°	666.0	11.4
70°-80°	460.8	7.9
80°-90°	256.2	4.4
90°-100°	168.8	2.9
100°-110°	151.4	2.6
110°-120°	125.3	2.2
120°-130°	96.9	1.7
130°-140°	68.6	1.2
140°-150°	41.4	0.7
150°-160°	19.9	0.3
160°-170°	6.5	0.1
170°-180°	0.8	0.0
0°-30°	1266.1	21.8
0°-40°	2082.4	35.8
0°-60°	3755.6	64.6
0°-90°	5138.6	88.3
90°-120°	445.5	7.7
90°-150°	652.3	11.2
90°-180°	679.0	11.7
0°-180°	5818.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1616	1616	1616	1616	1616	
5°	1620	1617	1603	1616	1612	154
15°	1552	1557	1556	1577	1577	438
25°	1417	1437	1454	1486	1486	653
35°	1231	1264	1307	1349	1361	771
45°	1012	1065	1130	1181	1195	780
55°	770	839	920	977	997	689
65°	521	596	688	756	777	517
75°	271	350	452	524	553	287
85°	60	148	251	321	349	69
90°	1	84	177	244	268	4
95°	1	80	172	236	259	1
105°	1	69	161	222	242	1
115°	2	60	136	197	219	2
125°	2	51	117	168	189	2
135°	2	40	98	138	155	2
145°	2	29	68	105	118	1
155°	3	20	42	67	78	1
165°	3	13	23	31	40	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°	1616.0	1616.0	1616.0	1616.0	1616.0
2.5°	1627.0	1622.0	1605.1	1616.0	1611.0
5°	1620.0	1617.0	1603.1	1616.0	1612.0
7.5°	1609.0	1608.0	1597.1	1612.0	1608.0
10°	1594.1	1596.1	1587.1	1603.1	1600.1
12.5°	1575.2	1578.2	1574.2	1592.1	1590.1
15°	1552.3	1557.2	1556.2	1577.2	1577.2
17.5°	1524.4	1531.3	1535.3	1559.2	1559.2
20°	1491.5	1502.4	1510.4	1536.3	1540.3
22.5°	1458.6	1471.6	1483.5	1510.4	1516.4
25°	1416.8	1436.7	1453.6	1485.5	1486.5
27.5°	1375.9	1397.8	1420.7	1451.6	1454.6
30°	1331.1	1359.0	1386.9	1416.8	1425.7
32.5°	1283.2	1314.1	1345.0	1384.9	1396.8
35°	1231.4	1264.3	1307.2	1349.0	1361.0
37.5°	1179.6	1216.5	1266.3	1309.2	1320.1
40°	1126.8	1167.7	1223.5	1267.3	1280.3
42.5°	1068.0	1117.9	1177.6	1224.5	1239.4
45°	1012.3	1065.1	1129.8	1180.6	1194.6
47.5°	953.5	1009.3	1079.0	1132.8	1148.7
50°	890.7	954.5	1029.2	1083.0	1097.9
52.5°	831.9	896.7	975.4	1031.2	1052.1
55°	770.1	838.9	919.6	977.4	997.3
57.5°	712.4	778.1	864.8	922.6	947.5
60°	646.6	719.3	806.0	868.8	888.7
62.5°	584.8	658.6	748.2	813.0	835.9
65°	521.1	595.8	688.5	756.2	777.1
67.5°	461.3	535.0	629.7	696.4	723.3
70°	395.5	473.2	569.9	638.6	661.6
72.5°	330.8	411.5	510.1	583.8	609.7
75°	271.0	349.7	452.3	524.1	553.0
77.5°	213.2	292.9	396.5	470.3	495.2
80°	155.4	239.1	344.7	417.5	441.4
82.5°	102.6	190.3	294.9	367.6	393.5
85°	59.8	148.5	251.1	320.8	348.7
87.5°	25.9	112.6	210.2	279.0	301.9
90°	1.0	83.7	177.3	244.1	268.0
92.5°	1.0	81.7	173.4	239.1	262.0
95°	1.0	79.7	172.4	236.1	259.0
97.5°	1.0	78.7	170.4	234.1	256.1
100°	1.0	75.7	167.4	230.1	252.1
102.5°	1.0	71.7	164.4	226.2	247.1
105°	1.0	68.7	161.4	222.2	242.1
107.5°	1.0	65.8	156.4	217.2	237.1
110°	1.0	62.8	148.5	212.2	232.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.0	61.8	142.5	205.2	226.2
115°	2.0	59.8	136.5	197.3	219.2
117.5°	2.0	58.8	131.5	189.3	212.2
120°	2.0	55.8	126.5	182.3	204.2
122.5°	2.0	52.8	121.5	175.4	197.3
125°	2.0	50.8	116.6	168.4	189.3
127.5°	2.0	47.8	112.6	161.4	180.3
130°	2.0	45.8	107.6	153.4	172.4
132.5°	2.0	42.8	102.6	145.5	163.4
135°	2.0	39.9	97.6	138.5	155.4
137.5°	2.0	35.9	91.7	130.5	146.5
140°	2.0	32.9	83.7	122.5	137.5
142.5°	2.0	30.9	75.7	113.6	127.5
145°	2.0	28.9	67.7	104.6	117.6
147.5°	2.0	26.9	60.8	95.6	107.6
150°	2.0	23.9	53.8	87.7	97.6
152.5°	3.0	21.9	47.8	77.7	87.7
155°	3.0	19.9	41.8	66.8	77.7
157.5°	3.0	17.9	35.9	55.8	67.7
160°	3.0	15.9	30.9	45.8	57.8
162.5°	3.0	14.9	26.9	37.9	48.8
165°	3.0	13.0	22.9	30.9	39.9
167.5°	3.0	10.0	18.9	23.9	32.9
170°	3.0	8.0	14.9	16.9	24.9
172.5°	3.0	6.0	11.0	12.0	13.0
175°	3.0	5.0	7.0	7.0	4.0
177.5°	3.0	4.0	4.0	4.0	2.0
180°	2.0	2.0	2.0	2.0	2.0

(END OF REPORT)