

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: P565780

Luminaire Tested: **2SNX-44HL-UNV-L840-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P565780  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 2SNX-44HL-UNV-L840-CD  
Description: 2FT 4400 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

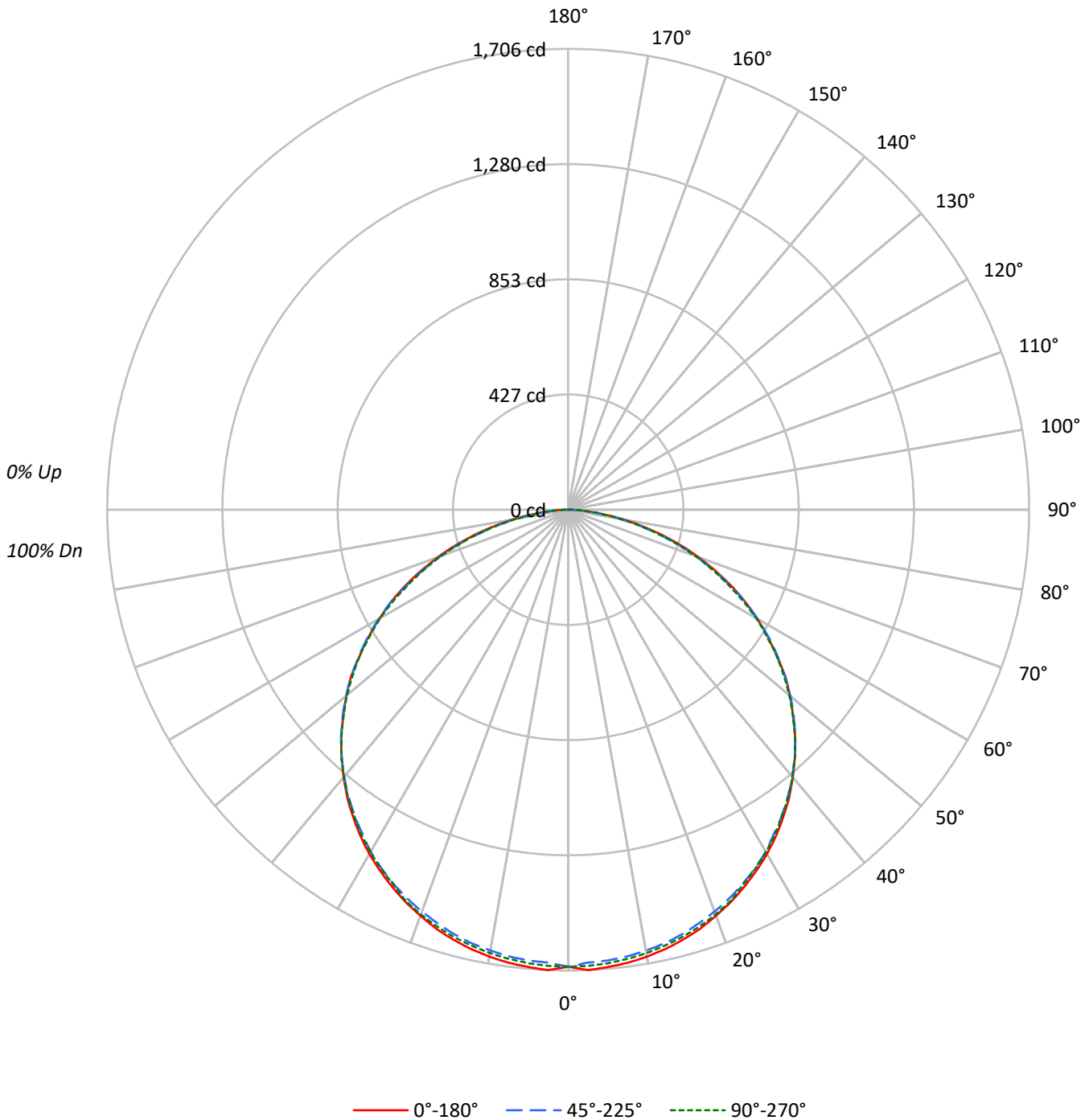
Lumens per Lamp: N/A  
Luminaire Lumens: 5064.0 lumens  
Efficiency: N/A  
Efficacy: 162.8 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41  
Luminous Opening: Rectangular (W 0.25' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 31.1  
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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	99	95	106	101	98	94	97	94	91	93	91	88	90	88	86	83
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23

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

	0°	45°	90°
0°	36419	36419	36419
5°	36713	36201	36419
10°	36731	36228	36434
15°	36714	36268	36475
20°	36641	36263	36525
25°	36597	36307	36373
30°	36571	36340	36375
35°	36483	36257	36312
40°	36334	36255	36275
45°	36138	36202	36138
50°	35893	35966	35772
55°	35333	35521	35333
60°	34737	34892	34587
65°	33880	33477	33116
70°	32265	31541	31453
75°	29777	28347	28463
80°	25477	23877	24324
85°	18921	18575	17340



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	160.5	3.2
10°-20°	462.6	9.1
20°-30°	708.2	14.0
30°-40°	866.3	17.1
40°-50°	916.3	18.1
50°-60°	844.2	16.7
60°-70°	649.8	12.8
70°-80°	365.1	7.2
80°-90°	91.1	1.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1331.3	26.3
0°-40°	2197.6	43.4
0°-60°	3958.1	78.2
0°-90°	5064.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5064.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1692	1692	1692	1692	1692	
5°	1699	1694	1675	1690	1685	162
15°	1647	1643	1627	1642	1637	465
25°	1541	1539	1528	1539	1531	711
35°	1388	1386	1380	1386	1382	869
45°	1187	1191	1189	1186	1187	915
55°	941	950	946	944	941	843
65°	665	666	657	648	650	656
75°	358	352	341	336	342	377
85°	77	75	75	73	70	95
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1691.7	1691.7	1691.7	1691.7	1691.7
2.5°	1706.0	1696.7	1678.1	1694.6	1690.3
5°	1698.9	1693.9	1675.2	1690.3	1685.3
7.5°	1691.7	1686.0	1668.1	1684.6	1677.4
10°	1680.3	1675.2	1657.3	1673.1	1666.7
12.5°	1665.2	1660.9	1644.5	1659.5	1653.1
15°	1647.3	1643.0	1627.3	1641.6	1636.6
17.5°	1625.8	1620.8	1605.8	1620.8	1617.3
20°	1599.4	1596.5	1582.9	1596.5	1594.3
22.5°	1572.2	1568.6	1557.8	1567.9	1568.6
25°	1540.7	1539.2	1528.5	1539.2	1531.3
27.5°	1507.7	1507.7	1497.0	1504.1	1499.1
30°	1471.2	1470.5	1461.9	1465.5	1463.3
32.5°	1431.8	1431.1	1419.7	1429.0	1425.4
35°	1388.2	1386.0	1379.6	1386.0	1381.7
37.5°	1343.1	1340.9	1335.9	1339.5	1338.8
40°	1292.9	1292.9	1290.1	1292.9	1290.8
42.5°	1241.4	1243.5	1240.0	1242.8	1242.8
45°	1187.0	1190.6	1189.1	1186.3	1187.0
47.5°	1129.0	1135.4	1131.9	1131.1	1127.6
50°	1071.7	1077.5	1073.9	1070.3	1068.1
52.5°	1012.3	1015.2	1010.9	1009.4	1004.4
55°	941.4	950.0	946.4	943.6	941.4
57.5°	876.3	882.7	879.9	874.1	870.6
60°	806.8	811.8	810.4	804.0	803.3
62.5°	738.8	740.3	738.8	727.4	728.1
65°	665.1	666.5	657.2	647.9	650.1
67.5°	587.8	592.1	579.2	565.6	574.9
70°	512.6	511.2	501.1	486.1	499.7
72.5°	435.3	433.8	422.4	411.7	421.0
75°	358.0	352.2	340.8	335.8	342.2
77.5°	277.8	271.3	266.3	262.7	265.6
80°	205.5	196.9	192.6	189.7	196.2
82.5°	136.7	130.3	128.1	130.3	128.9
85°	76.6	75.2	75.2	73.0	70.2
87.5°	31.5	32.9	33.6	32.9	31.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)