

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: P565781

Luminaire Tested: **2SNX-44HL-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565781
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-L850-CD
Description: 2FT 4400 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

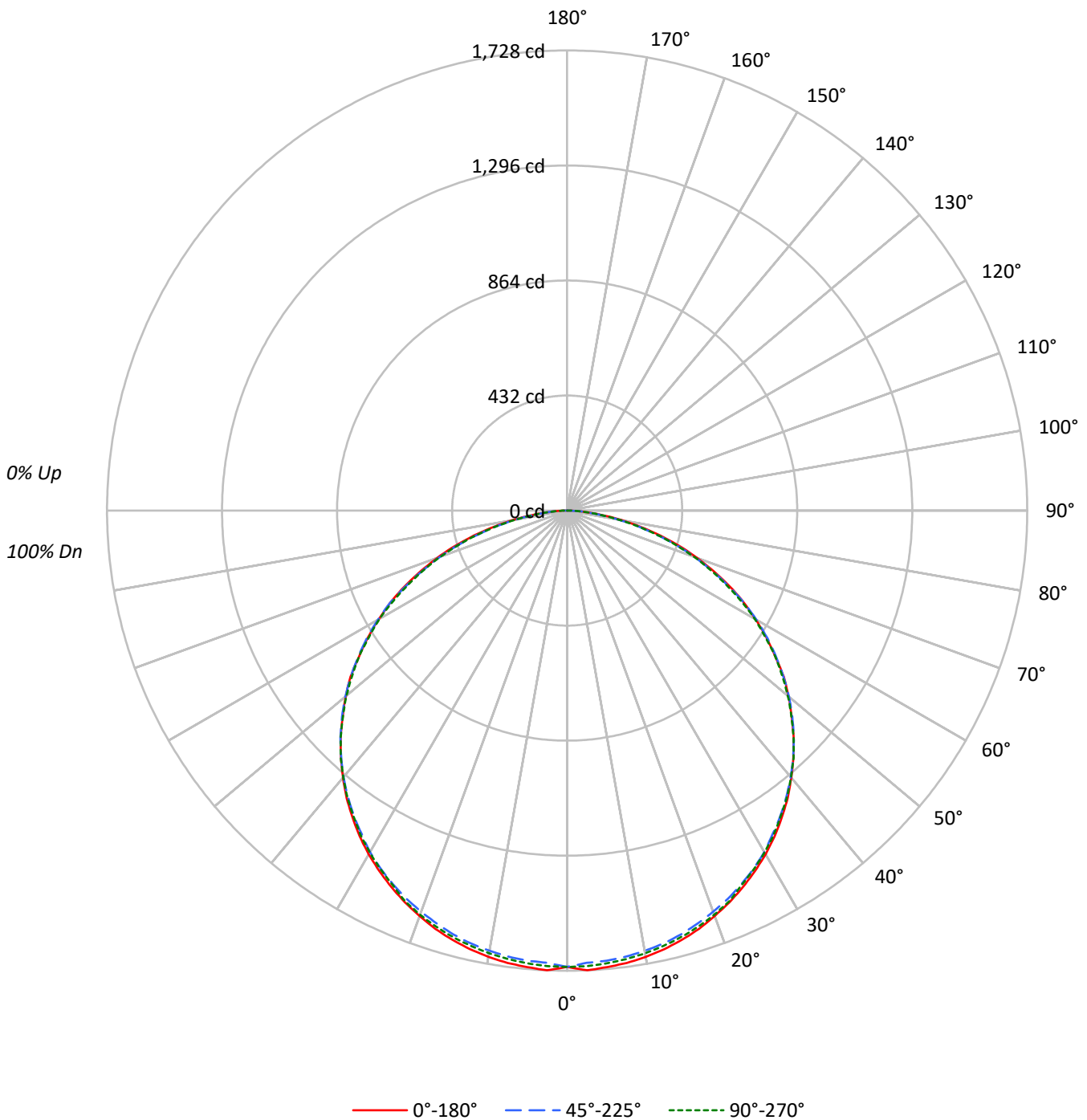
Lumens per Lamp: N/A
Luminaire Lumens: 5129.0 lumens
Efficiency: N/A
Efficacy: 164.9 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 2' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P565781

CATALOG NUMBER: 2SNX-44HL-UNV-L850-CD

Luminous Intensity Polar Plot





TEST NUMBER: P565781

CATALOG NUMBER: 2SNX-44HL-UNV-L850-CD

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°	36886	36886	36886
5°	37184	36666	36886
10°	37201	36694	36900
15°	37186	36734	36943
20°	37111	36728	36994
25°	37065	36773	36841
30°	37041	36808	36842
35°	36951	36722	36780
40°	36800	36719	36741
45°	36601	36668	36601
50°	36355	36429	36234
55°	35787	35979	35787
60°	35185	35340	35030
65°	34313	33905	33538
70°	32680	31950	31856
75°	30160	28713	28829
80°	25799	24187	24634
85°	19168	18797	17562



TEST NUMBER: P565781

CATALOG NUMBER: 2SNX-44HL-UNV-L850-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.6	3.2
10°-20°	468.5	9.1
20°-30°	717.3	14.0
30°-40°	877.4	17.1
40°-50°	928.0	18.1
50°-60°	855.1	16.7
60°-70°	658.1	12.8
70°-80°	369.7	7.2
80°-90°	92.3	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°	1348.4	26.3
0°-40°	2225.8	43.4
0°-60°	4008.9	78.2
0°-90°	5129.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5129.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1713	1713	1713	1713	1713	
5°	1721	1716	1697	1712	1707	164
15°	1668	1664	1648	1663	1658	471
25°	1560	1559	1548	1559	1551	720
35°	1406	1404	1397	1404	1400	880
45°	1202	1206	1204	1202	1202	927
55°	954	962	959	956	954	854
65°	674	675	666	656	658	664
75°	363	357	345	340	347	382
85°	78	76	76	74	71	96
90°	0	0	0	0	0	



TEST NUMBER: P565781

CATALOG NUMBER: 2SNX-44HL-UNV-L850-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1713.4	1713.4	1713.4	1713.4	1713.4
2.5°	1727.9	1718.5	1699.6	1716.3	1712.0
5°	1720.7	1715.6	1696.7	1712.0	1706.9
7.5°	1713.4	1707.6	1689.5	1706.2	1698.9
10°	1701.8	1696.7	1678.6	1694.6	1688.0
12.5°	1686.6	1682.2	1665.6	1680.8	1674.3
15°	1668.5	1664.1	1648.2	1662.7	1657.6
17.5°	1646.7	1641.6	1626.4	1641.6	1638.0
20°	1619.9	1617.0	1603.2	1617.0	1614.8
22.5°	1592.3	1588.7	1577.8	1588.0	1588.7
25°	1560.4	1559.0	1548.1	1559.0	1551.0
27.5°	1527.1	1527.1	1516.2	1523.4	1518.4
30°	1490.1	1489.4	1480.7	1484.3	1482.1
32.5°	1450.2	1449.5	1437.9	1447.3	1443.7
35°	1406.0	1403.8	1397.3	1403.8	1399.5
37.5°	1360.3	1358.1	1353.0	1356.7	1355.9
40°	1309.5	1309.5	1306.6	1309.5	1307.4
42.5°	1257.3	1259.5	1255.9	1258.8	1258.8
45°	1202.2	1205.9	1204.4	1201.5	1202.2
47.5°	1143.5	1150.0	1146.4	1145.7	1142.0
50°	1085.5	1091.3	1087.7	1084.0	1081.9
52.5°	1025.3	1028.2	1023.8	1022.4	1017.3
55°	953.5	962.2	958.6	955.7	953.5
57.5°	887.5	894.1	891.2	885.4	881.7
60°	817.2	822.3	820.8	814.3	813.6
62.5°	748.3	749.8	748.3	736.7	737.4
65°	673.6	675.1	665.6	656.2	658.4
67.5°	595.3	599.7	586.6	572.8	582.3
70°	519.2	517.7	507.6	492.3	506.1
72.5°	440.9	439.4	427.8	416.9	426.4
75°	362.6	356.8	345.2	340.1	346.6
77.5°	281.3	274.8	269.7	266.1	269.0
80°	208.1	199.4	195.1	192.2	198.7
82.5°	138.5	132.0	129.8	132.0	130.5
85°	77.6	76.1	76.1	74.0	71.1
87.5°	31.9	33.4	34.1	33.4	31.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)