

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: P565831

Luminaire Tested: **2SNX-47HL-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565831
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-47HL-UNV-L935-CD
Description: 2FT 4700 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

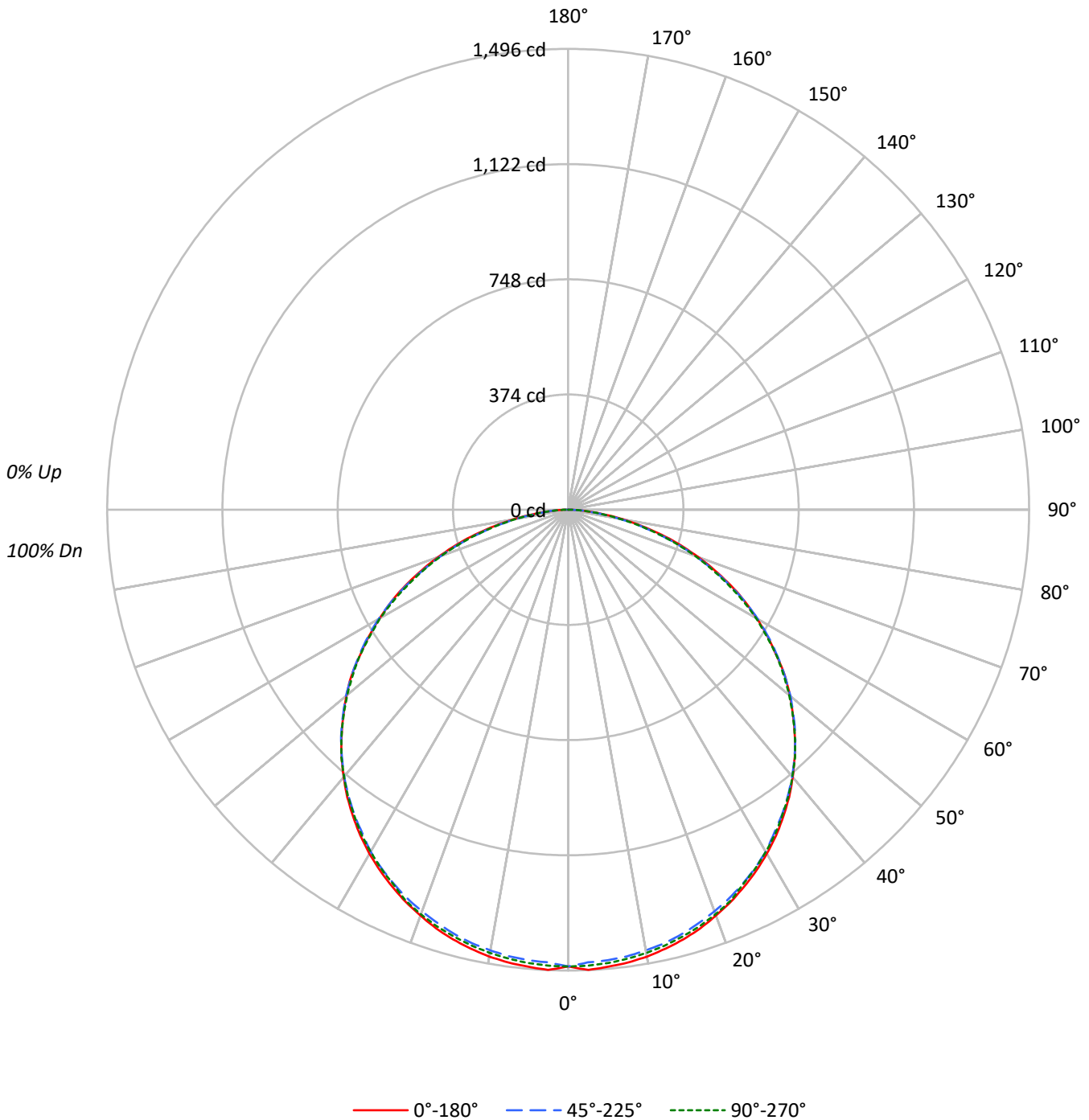
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4439.0 lumens
Efficiency: N/A
Efficacy: 131.7 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): 33.7
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°	31924	31924	31924
5°	32182	31734	31925
10°	32197	31758	31937
15°	32183	31791	31973
20°	32119	31787	32018
25°	32079	31825	31884
30°	32057	31856	31886
35°	31978	31781	31831
40°	31851	31781	31798
45°	31678	31736	31678
50°	31465	31525	31358
55°	30972	31137	30972
60°	30453	30587	30315
65°	29698	29346	29025
70°	28280	27651	27569
75°	26101	24845	24953
80°	22328	20927	21323
85°	16574	16278	15191



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.7	3.2
10°-20°	405.5	9.1
20°-30°	620.8	14.0
30°-40°	759.4	17.1
40°-50°	803.2	18.1
50°-60°	740.0	16.7
60°-70°	569.6	12.8
70°-80°	320.0	7.2
80°-90°	79.8	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°	1167.0	26.3
0°-40°	1926.4	43.4
0°-60°	3469.6	78.2
0°-90°	4439.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4439.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1483	1483	1483	1483	1483	
5°	1489	1485	1468	1482	1477	142
15°	1444	1440	1426	1439	1435	408
25°	1350	1349	1340	1349	1342	623
35°	1217	1215	1209	1215	1211	761
45°	1040	1044	1042	1040	1040	802
55°	825	833	830	827	825	739
65°	583	584	576	568	570	575
75°	314	309	299	294	300	330
85°	67	66	66	64	62	83
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1482.9	1482.9	1482.9	1482.9	1482.9
2.5°	1495.5	1487.3	1471.0	1485.4	1481.7
5°	1489.2	1484.8	1468.5	1481.7	1477.3
7.5°	1482.9	1477.9	1462.2	1476.6	1470.4
10°	1472.9	1468.5	1452.8	1466.6	1461.0
12.5°	1459.7	1455.9	1441.5	1454.7	1449.0
15°	1444.0	1440.2	1426.4	1439.0	1434.6
17.5°	1425.2	1420.8	1407.6	1420.8	1417.7
20°	1402.0	1399.5	1387.5	1399.5	1397.6
22.5°	1378.1	1375.0	1365.6	1374.4	1375.0
25°	1350.5	1349.2	1339.8	1349.2	1342.3
27.5°	1321.6	1321.6	1312.2	1318.5	1314.1
30°	1289.6	1289.0	1281.5	1284.6	1282.7
32.5°	1255.1	1254.5	1244.4	1252.6	1249.5
35°	1216.8	1215.0	1209.3	1215.0	1211.2
37.5°	1177.3	1175.4	1171.0	1174.2	1173.5
40°	1133.4	1133.4	1130.9	1133.4	1131.5
42.5°	1088.2	1090.1	1086.9	1089.4	1089.4
45°	1040.5	1043.6	1042.4	1039.9	1040.5
47.5°	989.7	995.3	992.2	991.5	988.4
50°	939.5	944.5	941.3	938.2	936.3
52.5°	887.4	889.9	886.1	884.9	880.5
55°	825.2	832.8	829.6	827.1	825.2
57.5°	768.1	773.8	771.3	766.2	763.1
60°	707.3	711.7	710.4	704.7	704.1
62.5°	647.6	648.9	647.6	637.6	638.2
65°	583.0	584.3	576.1	567.9	569.8
67.5°	515.2	519.0	507.7	495.8	503.9
70°	449.3	448.1	439.3	426.1	438.0
72.5°	381.6	380.3	370.3	360.8	369.0
75°	313.8	308.8	298.7	294.3	300.0
77.5°	243.5	237.8	233.5	230.3	232.8
80°	180.1	172.6	168.8	166.3	172.0
82.5°	119.9	114.2	112.3	114.2	113.0
85°	67.1	65.9	65.9	64.0	61.5
87.5°	27.6	28.9	29.5	28.9	27.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)