

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: P565830

Luminaire Tested: **2SNX-47HL-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565830
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-L930-CD
Description: 2FT 4700 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

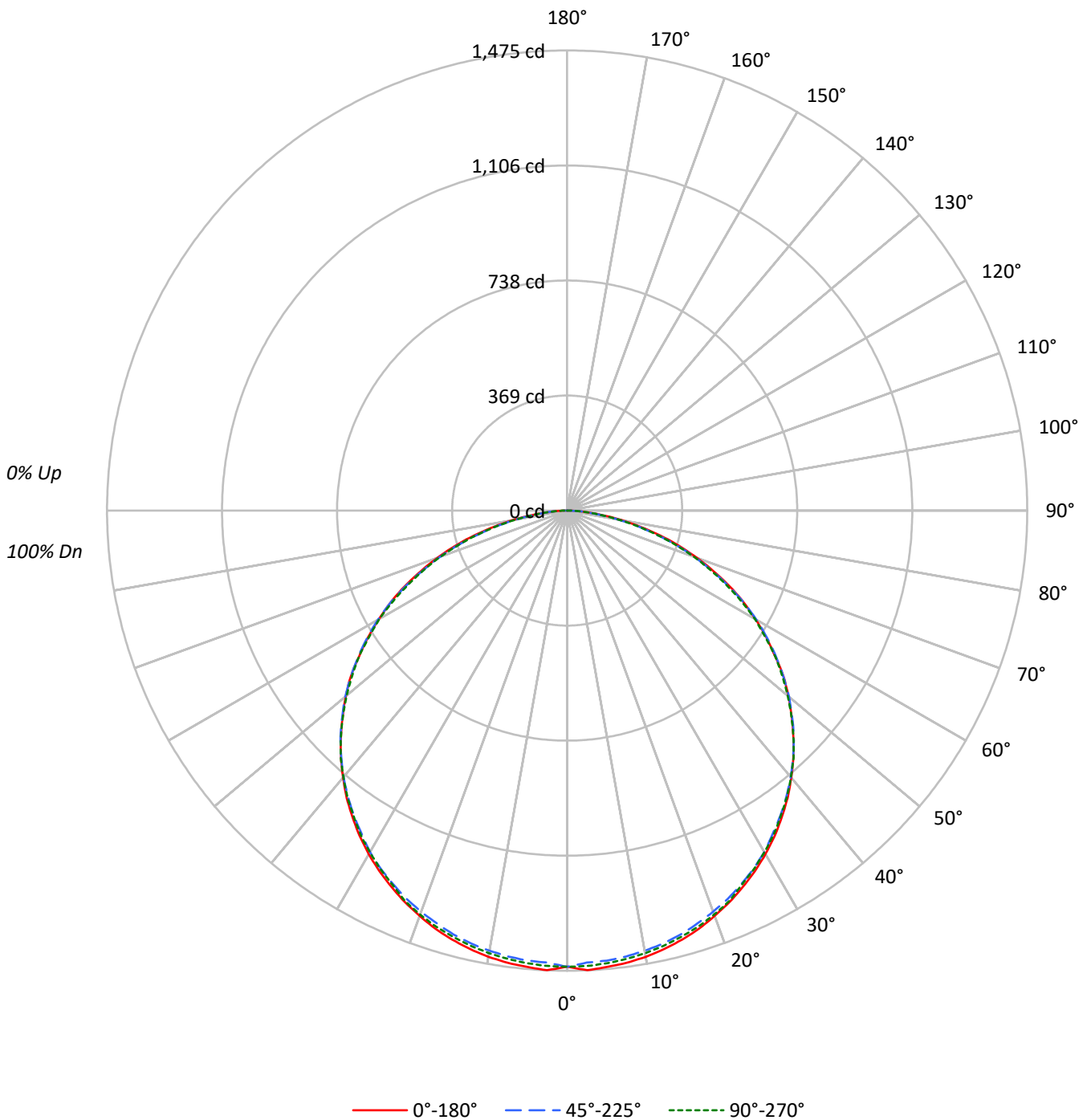
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4377.0 lumens
Efficiency: N/A
Efficacy: 129.9 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): 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	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					100			
1	109	104	99	95	106	101	98	94	97	94	91	93	91	88	90	88	86	83					83			
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69					69			
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58					58			
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49					49			
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42					42			
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37					37			
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33					33			
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29					29			
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26					26			
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23					23			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	31478	31478	31478
5°	31732	31291	31477
10°	31747	31314	31489
15°	31733	31347	31528
20°	31670	31345	31571
25°	31630	31381	31440
30°	31610	31411	31441
35°	31531	31337	31387
40°	31405	31337	31354
45°	31237	31291	31237
50°	31023	31087	30919
55°	30540	30702	30540
60°	30027	30160	29894
65°	29285	28939	28623
70°	27890	27267	27185
75°	25735	24496	24604
80°	22018	20642	21014
85°	16352	16055	14968



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.8	3.2
10°-20°	399.8	9.1
20°-30°	612.1	14.0
30°-40°	748.8	17.1
40°-50°	792.0	18.1
50°-60°	729.7	16.7
60°-70°	561.6	12.8
70°-80°	315.5	7.2
80°-90°	78.7	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°	1150.7	26.3
0°-40°	1899.5	43.4
0°-60°	3421.1	78.2
0°-90°	4377.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4377.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1462	1462	1462	1462	1462	
5°	1468	1464	1448	1461	1457	140
15°	1424	1420	1406	1419	1415	402
25°	1332	1330	1321	1330	1324	614
35°	1200	1198	1192	1198	1194	751
45°	1026	1029	1028	1025	1026	791
55°	814	821	818	816	814	729
65°	575	576	568	560	562	567
75°	309	304	294	290	296	326
85°	66	65	65	63	61	82
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1462.2	1462.2	1462.2	1462.2	1462.2
2.5°	1474.6	1466.5	1450.4	1464.7	1461.0
5°	1468.4	1464.1	1448.0	1461.0	1456.6
7.5°	1462.2	1457.3	1441.8	1456.0	1449.8
10°	1452.3	1448.0	1432.5	1446.1	1440.5
12.5°	1439.3	1435.6	1421.4	1434.4	1428.8
15°	1423.8	1420.1	1406.5	1418.9	1414.6
17.5°	1405.3	1400.9	1388.0	1400.9	1397.9
20°	1382.4	1379.9	1368.2	1379.9	1378.1
22.5°	1358.9	1355.8	1346.5	1355.2	1355.8
25°	1331.6	1330.4	1321.1	1330.4	1323.6
27.5°	1303.2	1303.2	1293.9	1300.1	1295.8
30°	1271.6	1271.0	1263.6	1266.7	1264.8
32.5°	1237.6	1237.0	1227.1	1235.1	1232.0
35°	1199.8	1198.0	1192.4	1198.0	1194.3
37.5°	1160.9	1159.0	1154.7	1157.8	1157.1
40°	1117.5	1117.5	1115.1	1117.5	1115.7
42.5°	1073.0	1074.8	1071.7	1074.2	1074.2
45°	1026.0	1029.1	1027.8	1025.3	1026.0
47.5°	975.8	981.4	978.3	977.7	974.6
50°	926.3	931.3	928.2	925.1	923.2
52.5°	875.0	877.4	873.7	872.5	868.2
55°	813.7	821.1	818.0	815.6	813.7
57.5°	757.4	763.0	760.5	755.5	752.5
60°	697.4	701.7	700.5	694.9	694.3
62.5°	638.6	639.8	638.6	628.7	629.3
65°	574.9	576.1	568.1	560.0	561.9
67.5°	508.0	511.7	500.6	488.8	496.9
70°	443.1	441.8	433.2	420.2	431.9
72.5°	376.2	375.0	365.1	355.8	363.8
75°	309.4	304.4	294.5	290.2	295.8
77.5°	240.1	234.5	230.2	227.1	229.6
80°	177.6	170.2	166.5	164.0	169.5
82.5°	118.2	112.6	110.8	112.6	111.4
85°	66.2	65.0	65.0	63.1	60.6
87.5°	27.2	28.5	29.1	28.5	27.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)