

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: P565832

Luminaire Tested: **2SNX-47HL-UNV-L940-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P565832  
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-L940-CD  
Description: 2FT 4700 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

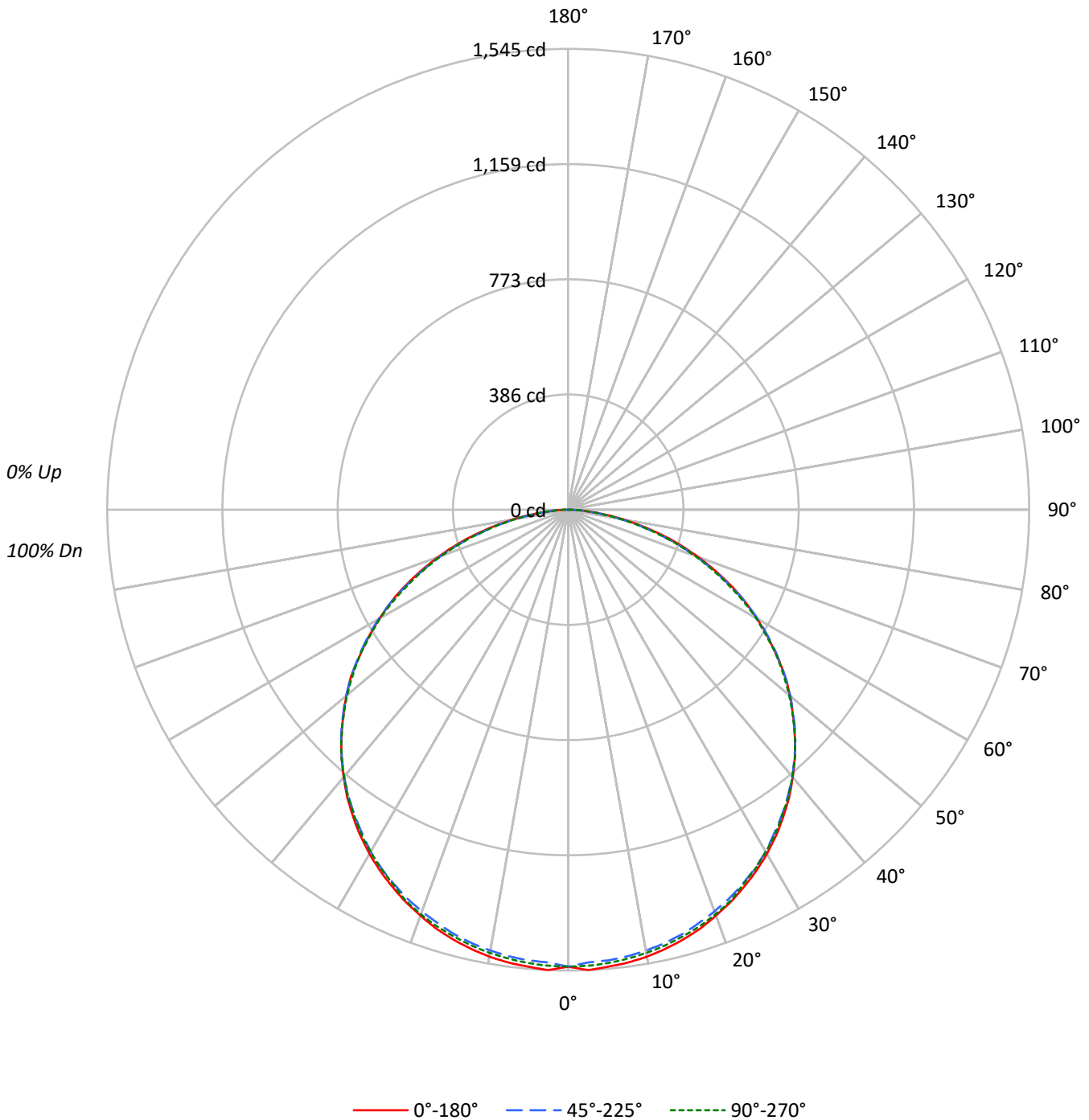
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4585.0 lumens  
Efficiency: N/A  
Efficacy: 136.1 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°	32974	32974	32974
5°	33241	32778	32975
10°	33256	32803	32987
15°	33241	32838	33025
20°	33175	32834	33070
25°	33134	32872	32934
30°	33111	32902	32935
35°	33032	32827	32877
40°	32897	32827	32843
45°	32719	32780	32719
50°	32500	32564	32389
55°	31993	32162	31993
60°	31452	31594	31314
65°	30676	30309	29983
70°	29212	28557	28475
75°	26958	25660	25768
80°	23059	21621	22018
85°	17142	16821	15685



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	145.4	3.2
10°-20°	418.8	9.1
20°-30°	641.2	14.0
30°-40°	784.3	17.1
40°-50°	829.6	18.1
50°-60°	764.4	16.7
60°-70°	588.3	12.8
70°-80°	330.5	7.2
80°-90°	82.5	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°	1205.4	26.3
0°-40°	1989.7	43.4
0°-60°	3583.7	78.2
0°-90°	4585.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4585.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1532	1532	1532	1532	1532	
5°	1538	1534	1517	1530	1526	146
15°	1492	1488	1473	1486	1482	421
25°	1395	1394	1384	1394	1386	643
35°	1257	1255	1249	1255	1251	787
45°	1075	1078	1077	1074	1075	829
55°	852	860	857	854	852	763
65°	602	604	595	587	589	594
75°	324	319	308	304	310	341
85°	69	68	68	66	64	86
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1531.7	1531.7	1531.7	1531.7	1531.7
2.5°	1544.7	1536.2	1519.4	1534.3	1530.4
5°	1538.2	1533.6	1516.8	1530.4	1525.9
7.5°	1531.7	1526.5	1510.3	1525.2	1518.7
10°	1521.3	1516.8	1500.6	1514.8	1509.0
12.5°	1507.7	1503.8	1488.9	1502.5	1496.7
15°	1491.5	1487.6	1473.4	1486.3	1481.8
17.5°	1472.1	1467.5	1453.9	1467.5	1464.3
20°	1448.1	1445.5	1433.2	1445.5	1443.5
22.5°	1423.4	1420.2	1410.5	1419.6	1420.2
25°	1394.9	1393.6	1383.9	1393.6	1386.5
27.5°	1365.1	1365.1	1355.4	1361.9	1357.3
30°	1332.0	1331.4	1323.6	1326.9	1324.9
32.5°	1296.4	1295.7	1285.4	1293.8	1290.6
35°	1256.9	1254.9	1249.1	1254.9	1251.0
37.5°	1216.0	1214.1	1209.5	1212.8	1212.1
40°	1170.6	1170.6	1168.1	1170.6	1168.7
42.5°	1124.0	1125.9	1122.7	1125.3	1125.3
45°	1074.7	1078.0	1076.7	1074.1	1074.7
47.5°	1022.2	1028.0	1024.8	1024.2	1020.9
50°	970.4	975.5	972.3	969.1	967.1
52.5°	916.6	919.1	915.3	914.0	909.4
55°	852.4	860.2	856.9	854.3	852.4
57.5°	793.4	799.2	796.6	791.4	788.2
60°	730.5	735.1	733.8	727.9	727.3
62.5°	668.9	670.2	668.9	658.6	659.2
65°	602.2	603.5	595.0	586.6	588.6
67.5°	532.2	536.1	524.4	512.1	520.5
70°	464.1	462.8	453.7	440.1	452.4
72.5°	394.1	392.8	382.4	372.7	381.1
75°	324.1	318.9	308.5	304.0	309.8
77.5°	251.5	245.7	241.1	237.9	240.5
80°	186.0	178.3	174.4	171.8	177.6
82.5°	123.8	118.0	116.0	118.0	116.7
85°	69.4	68.1	68.1	66.1	63.5
87.5°	28.5	29.8	30.5	29.8	28.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)