

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: P566367

Luminaire Tested: **4SNX-37SL-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566367
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-37SL-UNV-L835-CD
Description: 4FT 3700 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

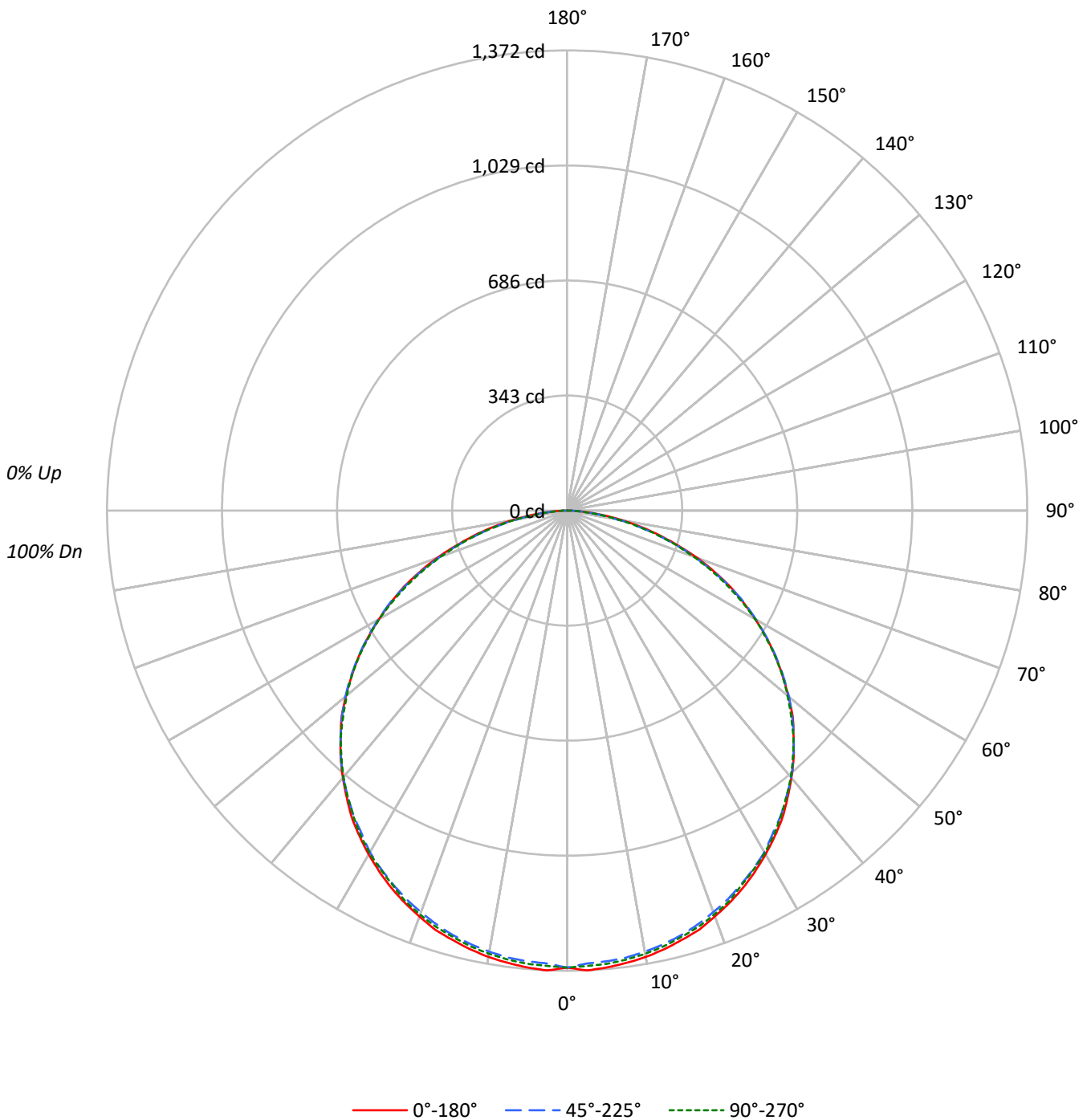
Lumens per Lamp: N/A
Luminaire Lumens: 4074.0 lumens
Efficiency: N/A
Efficacy: 169.8 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 24
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°	14666	14666	14666
5°	14775	14577	14656
10°	14772	14598	14665
15°	14761	14610	14665
20°	14751	14597	14682
25°	14741	14596	14625
30°	14712	14620	14650
35°	14700	14587	14604
40°	14618	14601	14582
45°	14530	14548	14530
50°	14425	14465	14363
55°	14234	14279	14210
60°	13954	14006	13929
65°	13670	13575	13389
70°	12995	12727	12573
75°	11874	11466	11516
80°	10253	9496	9720
85°	7719	7410	6657



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.3	3.2
10°-20°	372.5	9.1
20°-30°	569.9	14.0
30°-40°	696.8	17.1
40°-50°	737.1	18.1
50°-60°	679.1	16.7
60°-70°	523.3	12.8
70°-80°	293.2	7.2
80°-90°	72.9	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°	1071.6	26.3
0°-40°	1768.4	43.4
0°-60°	3184.6	78.2
0°-90°	4074.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4074.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1362	1362	1362	1362	1362	
5°	1367	1362	1349	1362	1356	130
15°	1325	1322	1311	1322	1316	374
25°	1241	1239	1229	1239	1231	572
35°	1119	1116	1110	1114	1111	699
45°	954	958	956	954	954	737
55°	758	765	761	761	757	677
65°	537	537	533	520	526	528
75°	286	282	276	266	277	303
85°	62	59	60	60	54	77
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1362.5	1362.5	1362.5	1362.5	1362.5
2.5°	1372.3	1366.2	1351.5	1365.0	1358.9
5°	1367.4	1362.5	1349.1	1362.5	1356.4
7.5°	1360.1	1356.4	1344.2	1356.4	1350.3
10°	1351.5	1347.8	1335.6	1347.8	1341.7
12.5°	1339.3	1336.8	1324.6	1336.8	1330.7
15°	1324.6	1322.1	1311.1	1322.1	1316.0
17.5°	1309.9	1305.0	1293.9	1306.2	1301.3
20°	1287.8	1285.4	1274.3	1285.4	1281.7
22.5°	1265.7	1263.3	1253.5	1263.3	1260.8
25°	1241.2	1238.8	1229.0	1238.8	1231.4
27.5°	1213.1	1214.3	1203.3	1209.4	1205.7
30°	1183.7	1183.7	1176.3	1178.7	1178.7
32.5°	1151.8	1151.8	1140.8	1148.1	1146.9
35°	1118.7	1116.3	1110.1	1113.8	1111.4
37.5°	1079.5	1078.3	1074.6	1077.0	1074.6
40°	1040.3	1041.5	1039.1	1037.8	1037.8
42.5°	999.9	1002.3	998.6	997.4	996.2
45°	954.5	958.2	955.7	954.5	954.5
47.5°	912.9	914.1	910.4	909.2	905.5
50°	861.4	866.3	863.8	861.4	857.7
52.5°	809.9	817.3	812.4	809.9	809.9
55°	758.5	764.6	760.9	760.9	757.2
57.5°	704.6	710.7	705.8	705.8	700.9
60°	648.2	654.3	650.6	647.0	647.0
62.5°	591.8	596.7	595.5	589.4	585.7
65°	536.7	536.7	533.0	519.5	525.7
67.5°	474.2	473.0	468.1	454.6	463.2
70°	412.9	412.9	404.4	388.4	399.5
72.5°	346.8	350.4	339.4	328.4	339.4
75°	285.5	281.8	275.7	265.9	276.9
77.5°	226.7	220.6	213.2	208.3	214.4
80°	165.4	161.7	153.2	153.2	156.8
82.5°	112.7	109.1	102.9	104.2	99.3
85°	62.5	58.8	60.0	60.0	53.9
87.5°	25.7	25.7	25.7	23.3	20.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)