

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: P566371

Luminaire Tested: **4SNX-37SL-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566371
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-L935-CD
Description: 4FT 3700 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

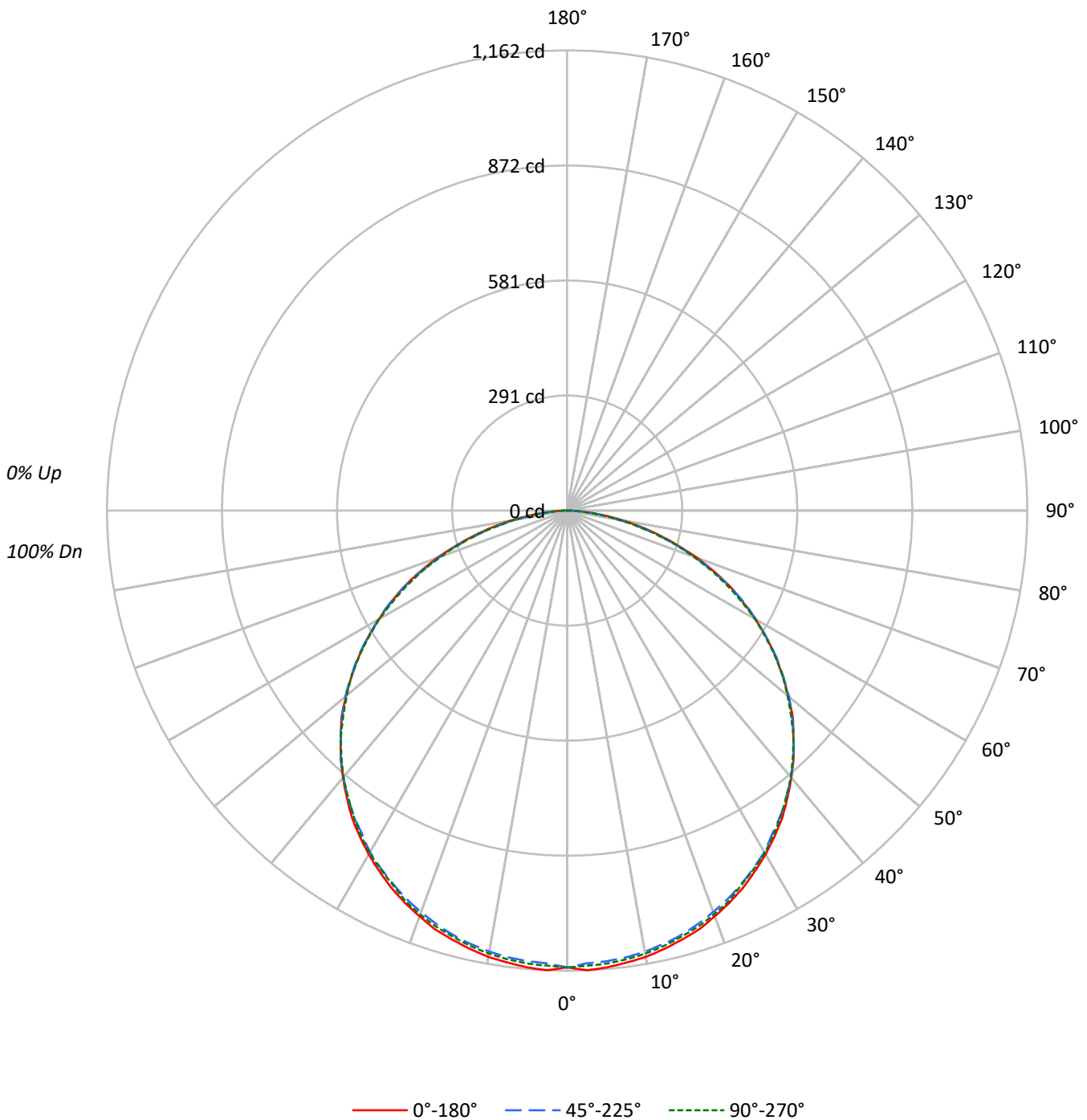
Lumens per Lamp: N/A
Luminaire Lumens: 3449.0 lumens
Efficiency: N/A
Efficacy: 143.7 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Direct

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°	12416	12416	12416
5°	12509	12340	12407
10°	12506	12359	12415
15°	12496	12368	12415
20°	12488	12357	12430
25°	12480	12356	12381
30°	12455	12377	12403
35°	12445	12349	12364
40°	12375	12361	12345
45°	12301	12317	12301
50°	12211	12246	12159
55°	12050	12089	12031
60°	11812	11858	11791
65°	11573	11492	11334
70°	11002	10773	10644
75°	10052	9707	9748
80°	8678	8040	8232
85°	6533	6274	5632



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.4	3.2
10°-20°	315.3	9.1
20°-30°	482.5	14.0
30°-40°	589.9	17.1
40°-50°	624.0	18.1
50°-60°	574.9	16.7
60°-70°	443.0	12.8
70°-80°	248.2	7.2
80°-90°	61.7	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°	907.2	26.3
0°-40°	1497.1	43.4
0°-60°	2696.0	78.2
0°-90°	3449.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3449.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1154	1154	1154	1154	1154	
5°	1158	1154	1142	1154	1148	110
15°	1121	1119	1110	1119	1114	317
25°	1051	1049	1040	1049	1042	484
35°	947	945	940	943	941	592
45°	808	811	809	808	808	624
55°	642	647	644	644	641	573
65°	454	454	451	440	445	447
75°	242	239	233	225	234	256
85°	53	50	51	51	46	65
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1153.5	1153.5	1153.5	1153.5	1153.5
2.5°	1161.8	1156.6	1144.2	1155.6	1150.4
5°	1157.7	1153.5	1142.1	1153.5	1148.3
7.5°	1151.4	1148.3	1138.0	1148.3	1143.1
10°	1144.2	1141.1	1130.7	1141.1	1135.9
12.5°	1133.8	1131.7	1121.4	1131.7	1126.5
15°	1121.4	1119.3	1109.9	1119.3	1114.1
17.5°	1108.9	1104.8	1095.4	1105.8	1101.6
20°	1090.2	1088.2	1078.8	1088.2	1085.1
22.5°	1071.6	1069.5	1061.2	1069.5	1067.4
25°	1050.8	1048.7	1040.4	1048.7	1042.5
27.5°	1027.0	1028.0	1018.7	1023.8	1020.7
30°	1002.1	1002.1	995.8	997.9	997.9
32.5°	975.1	975.1	965.8	972.0	970.9
35°	947.1	945.0	939.8	942.9	940.9
37.5°	913.9	912.9	909.7	911.8	909.7
40°	880.7	881.7	879.7	878.6	878.6
42.5°	846.5	848.5	845.4	844.4	843.4
45°	808.1	811.2	809.1	808.1	808.1
47.5°	772.8	773.9	770.7	769.7	766.6
50°	729.2	733.4	731.3	729.2	726.1
52.5°	685.7	691.9	687.8	685.7	685.7
55°	642.1	647.3	644.2	644.2	641.1
57.5°	596.5	601.7	597.5	597.5	593.4
60°	548.7	553.9	550.8	547.7	547.7
62.5°	501.0	505.2	504.1	499.0	495.8
65°	454.4	454.4	451.2	439.8	445.0
67.5°	401.4	400.4	396.3	384.9	392.1
70°	349.6	349.6	342.3	328.8	338.2
72.5°	293.6	296.7	287.3	278.0	287.3
75°	241.7	238.6	233.4	225.1	234.4
77.5°	191.9	186.7	180.5	176.3	181.5
80°	140.0	136.9	129.7	129.7	132.8
82.5°	95.4	92.3	87.1	88.2	84.0
85°	52.9	49.8	50.8	50.8	45.6
87.5°	21.8	21.8	21.8	19.7	17.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)