

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: P566372

Luminaire Tested: **4SNX-37SL-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566372
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-L940-CD
Description: 4FT 3700 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

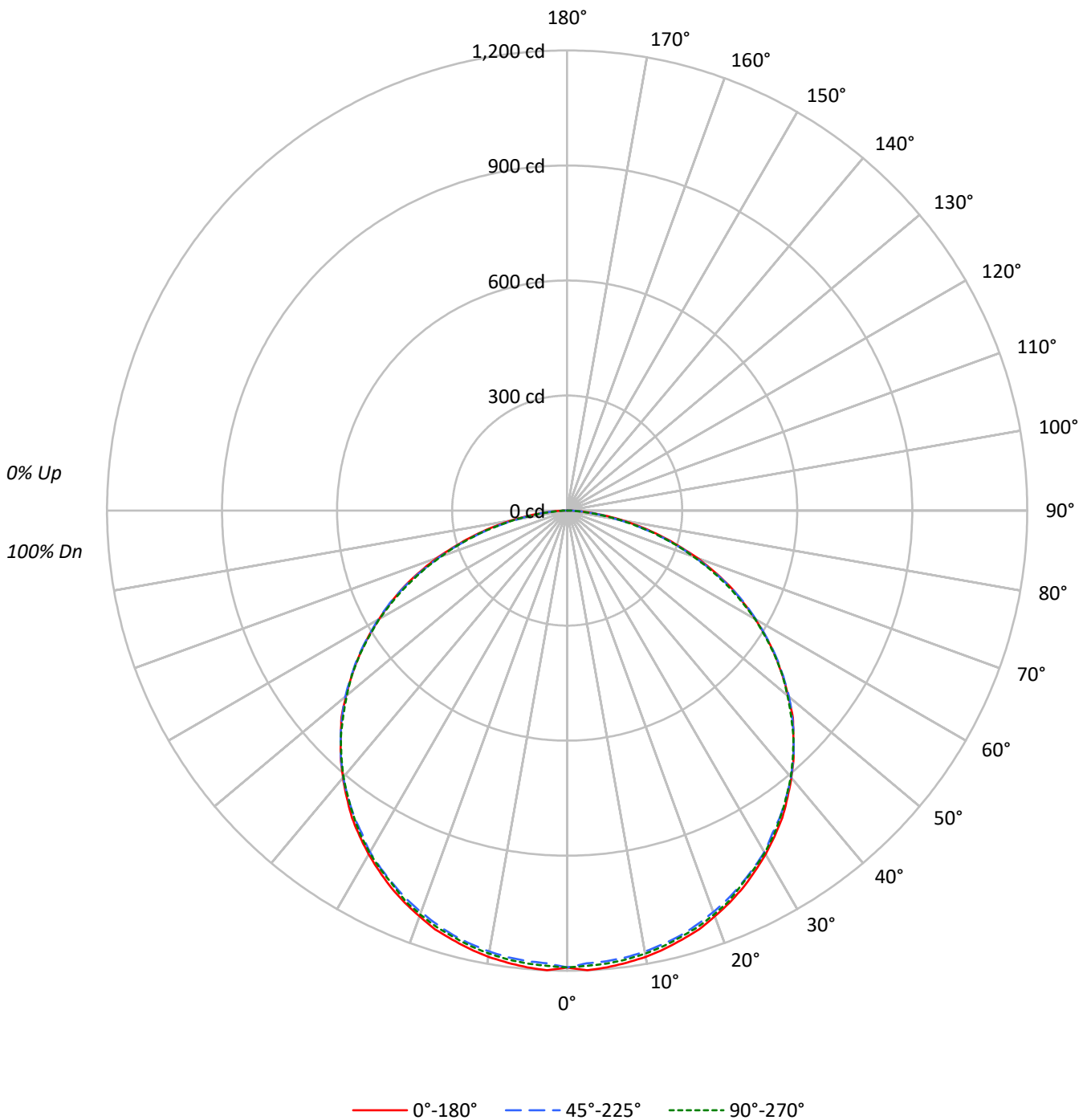
Lumens per Lamp: N/A
Luminaire Lumens: 3562.0 lumens
Efficiency: N/A
Efficacy: 148.4 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P566372

CATALOG NUMBER: 4SNX-37SL-UNV-L940-CD

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°	12823	12823	12823
5°	12918	12745	12815
10°	12916	12763	12822
15°	12905	12774	12822
20°	12898	12763	12836
25°	12889	12761	12788
30°	12863	12783	12809
35°	12853	12754	12768
40°	12781	12766	12750
45°	12705	12720	12705
50°	12611	12648	12558
55°	12444	12485	12425
60°	12200	12247	12178
65°	11950	11869	11706
70°	11361	11125	10993
75°	10381	10023	10069
80°	8963	8300	8498
85°	6743	6484	5817



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.0	3.2
10°-20°	325.6	9.1
20°-30°	498.3	14.0
30°-40°	609.2	17.1
40°-50°	644.4	18.1
50°-60°	593.8	16.7
60°-70°	457.5	12.8
70°-80°	256.4	7.2
80°-90°	63.7	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°	936.9	26.3
0°-40°	1546.1	43.4
0°-60°	2784.4	78.2
0°-90°	3562.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3562.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1191	1191	1191	1191	1191	
5°	1196	1191	1180	1191	1186	114
15°	1158	1156	1146	1156	1151	327
25°	1085	1083	1074	1083	1077	500
35°	978	976	971	974	972	611
45°	835	838	836	835	835	645
55°	663	668	665	665	662	592
65°	469	469	466	454	460	462
75°	250	246	241	232	242	265
85°	55	51	52	52	47	67
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1191.3	1191.3	1191.3	1191.3	1191.3
2.5°	1199.9	1194.5	1181.7	1193.5	1188.1
5°	1195.6	1191.3	1179.5	1191.3	1186.0
7.5°	1189.2	1186.0	1175.2	1186.0	1180.6
10°	1181.7	1178.5	1167.7	1178.5	1173.1
12.5°	1171.0	1168.8	1158.1	1168.8	1163.5
15°	1158.1	1156.0	1146.3	1156.0	1150.6
17.5°	1145.2	1141.0	1131.3	1142.0	1137.7
20°	1126.0	1123.8	1114.2	1123.8	1120.6
22.5°	1106.7	1104.5	1096.0	1104.5	1102.4
25°	1085.2	1083.1	1074.5	1083.1	1076.7
27.5°	1060.6	1061.7	1052.0	1057.4	1054.2
30°	1034.9	1034.9	1028.5	1030.6	1030.6
32.5°	1007.0	1007.0	997.4	1003.8	1002.8
35°	978.1	976.0	970.6	973.8	971.7
37.5°	943.8	942.8	939.5	941.7	939.5
40°	909.6	910.6	908.5	907.4	907.4
42.5°	874.2	876.3	873.1	872.1	871.0
45°	834.6	837.8	835.6	834.6	834.6
47.5°	798.1	799.2	796.0	794.9	791.7
50°	753.1	757.4	755.3	753.1	749.9
52.5°	708.1	714.6	710.3	708.1	708.1
55°	663.1	668.5	665.3	665.3	662.1
57.5°	616.0	621.4	617.1	617.1	612.8
60°	566.7	572.1	568.9	565.7	565.7
62.5°	517.4	521.7	520.7	515.3	512.1
65°	469.2	469.2	466.0	454.2	459.6
67.5°	414.6	413.5	409.2	397.5	405.0
70°	361.0	361.0	353.5	339.6	349.3
72.5°	303.2	306.4	296.8	287.1	296.8
75°	249.6	246.4	241.0	232.5	242.1
77.5°	198.2	192.8	186.4	182.1	187.5
80°	144.6	141.4	133.9	133.9	137.1
82.5°	98.6	95.3	90.0	91.1	86.8
85°	54.6	51.4	52.5	52.5	47.1
87.5°	22.5	22.5	22.5	20.4	18.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)