

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: P566373

Luminaire Tested: **4SNX-37SL-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566373
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-L950-CD
Description: 4FT 3700 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

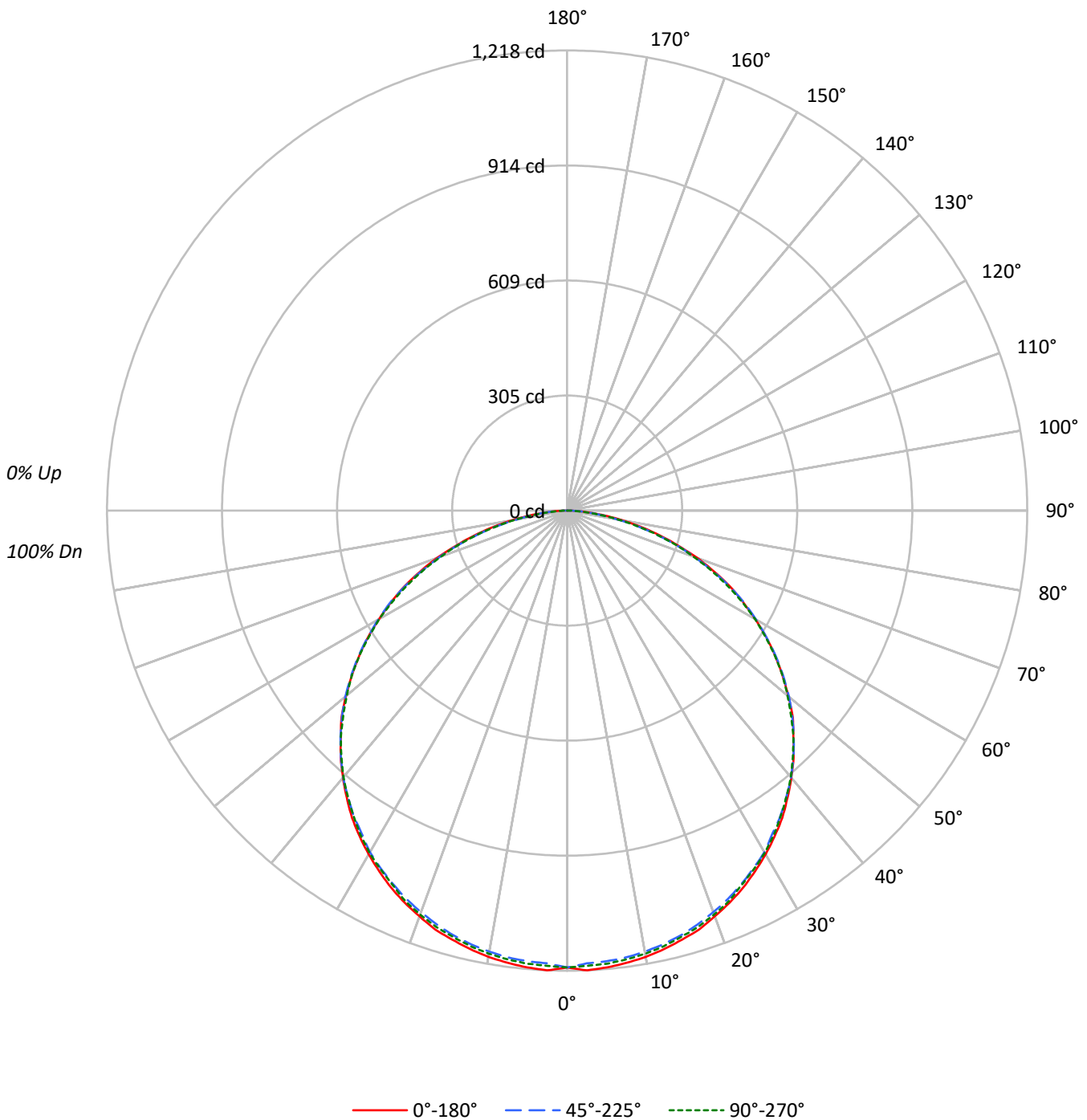
Lumens per Lamp: N/A
Luminaire Lumens: 3616.0 lumens
Efficiency: N/A
Efficacy: 150.7 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Direct

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°	13018	13018	13018
5°	13114	12938	13008
10°	13112	12956	13016
15°	13102	12968	13016
20°	13093	12956	13031
25°	13085	12955	12981
30°	13058	12977	13003
35°	13047	12947	12962
40°	12974	12960	12944
45°	12896	12913	12896
50°	12804	12839	12748
55°	12633	12675	12613
60°	12385	12432	12361
65°	12134	12050	11884
70°	11534	11295	11157
75°	10539	10177	10222
80°	9100	8424	8629
85°	6854	6583	5916



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.7	3.2
10°-20°	330.6	9.1
20°-30°	505.8	14.0
30°-40°	618.5	17.1
40°-50°	654.2	18.1
50°-60°	602.8	16.7
60°-70°	464.5	12.8
70°-80°	260.3	7.2
80°-90°	64.7	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°	951.1	26.3
0°-40°	1569.6	43.4
0°-60°	2826.6	78.2
0°-90°	3616.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3616.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1209	1209	1209	1209	1209	
5°	1214	1209	1197	1209	1204	115
15°	1176	1174	1164	1174	1168	332
25°	1102	1100	1091	1100	1093	508
35°	993	991	985	989	986	620
45°	847	850	848	847	847	654
55°	673	679	675	675	672	601
65°	476	476	473	461	467	469
75°	253	250	245	236	246	269
85°	56	52	53	53	48	68
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1209.4	1209.4	1209.4	1209.4	1209.4
2.5°	1218.1	1212.6	1199.6	1211.5	1206.1
5°	1213.7	1209.4	1197.4	1209.4	1203.9
7.5°	1207.2	1203.9	1193.1	1203.9	1198.5
10°	1199.6	1196.3	1185.4	1196.3	1190.9
12.5°	1188.7	1186.5	1175.7	1186.5	1181.1
15°	1175.7	1173.5	1163.7	1173.5	1168.0
17.5°	1162.6	1158.3	1148.5	1159.3	1155.0
20°	1143.0	1140.9	1131.1	1140.9	1137.6
22.5°	1123.5	1121.3	1112.6	1121.3	1119.1
25°	1101.7	1099.5	1090.8	1099.5	1093.0
27.5°	1076.7	1077.8	1068.0	1073.4	1070.2
30°	1050.6	1050.6	1044.1	1046.2	1046.2
32.5°	1022.3	1022.3	1012.5	1019.0	1018.0
35°	992.9	990.8	985.3	988.6	986.4
37.5°	958.1	957.1	953.8	956.0	953.8
40°	923.3	924.4	922.3	921.2	921.2
42.5°	887.5	889.6	886.4	885.3	884.2
45°	847.2	850.5	848.3	847.2	847.2
47.5°	810.2	811.3	808.1	807.0	803.7
50°	764.6	768.9	766.7	764.6	761.3
52.5°	718.9	725.4	721.1	718.9	718.9
55°	673.2	678.6	675.4	675.4	672.1
57.5°	625.3	630.8	626.4	626.4	622.1
60°	575.3	580.8	577.5	574.2	574.2
62.5°	525.3	529.6	528.6	523.1	519.9
65°	476.4	476.4	473.1	461.1	466.6
67.5°	420.9	419.8	415.4	403.5	411.1
70°	366.5	366.5	358.9	344.8	354.5
72.5°	307.8	311.0	301.3	291.5	301.3
75°	253.4	250.1	244.7	236.0	245.8
77.5°	201.2	195.8	189.2	184.9	190.3
80°	146.8	143.6	135.9	135.9	139.2
82.5°	100.1	96.8	91.4	92.4	88.1
85°	55.5	52.2	53.3	53.3	47.9
87.5°	22.8	22.8	22.8	20.7	18.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)