

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: P566345

Luminaire Tested: **4SNX-37SL-LN-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566345
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-6)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-37SL-LN-UNV-L850-CD
Description: 4FT 3700 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

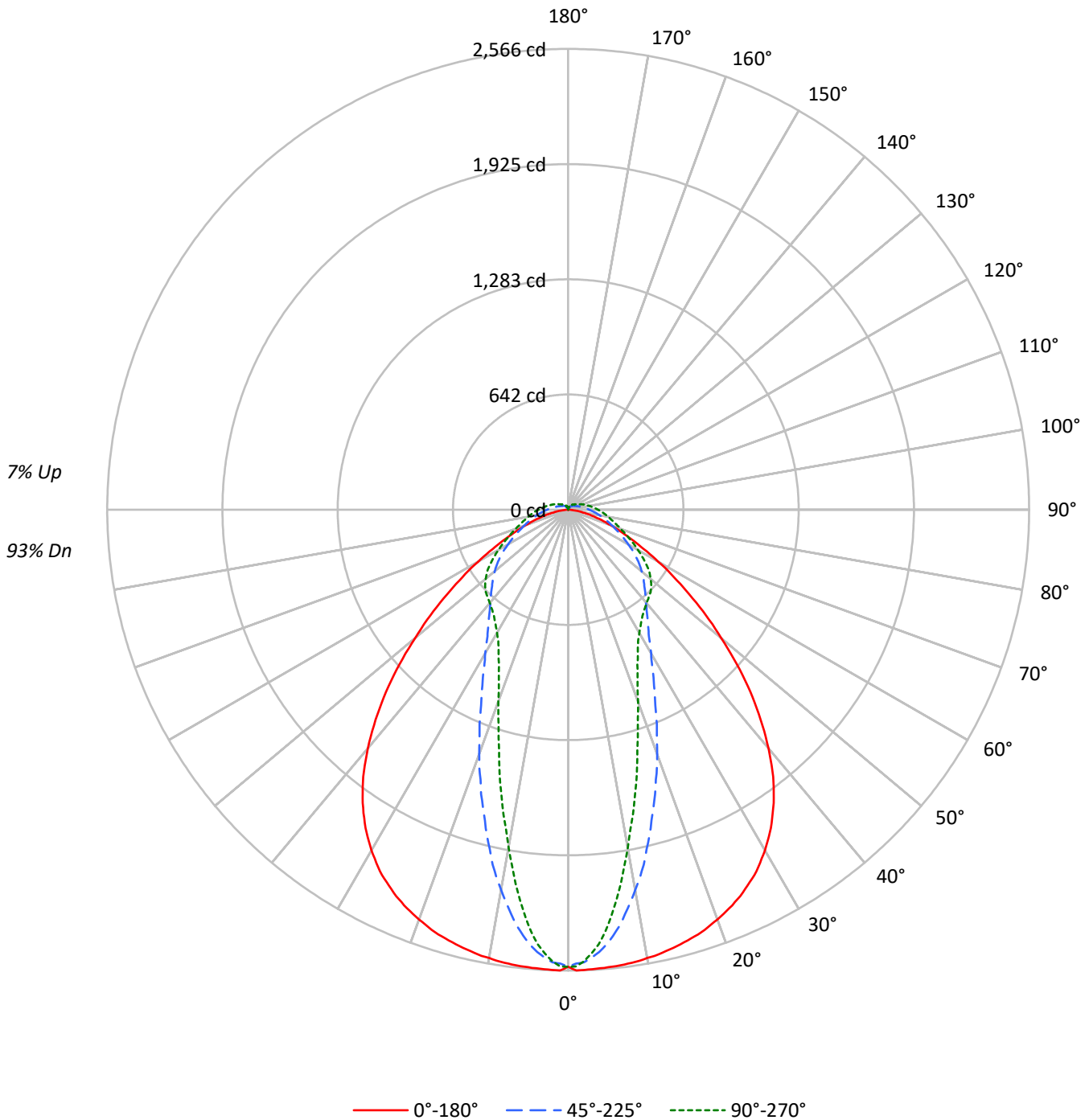
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4057.0 lumens
Efficiency: N/A
Efficacy: 169.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
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	50	30	10	0	
RCR																						
0	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93				
1	107	103	99	95	104	100	96	93	94	91	88	89	87	85	85	83	81	78				
2	99	91	84	79	95	88	82	77	84	79	75	79	75	72	76	72	69	67				
3	91	81	73	67	88	79	72	66	75	69	64	71	66	62	68	64	60	58				
4	84	73	64	58	81	71	63	57	67	61	56	64	59	54	62	57	53	51				
5	78	66	57	51	75	64	56	51	61	55	49	59	53	48	56	51	47	45				
6	72	60	51	45	70	59	51	45	56	49	44	54	48	43	52	46	42	40				
7	67	55	47	41	65	54	46	41	52	45	40	50	44	39	48	42	38	36				
8	63	51	43	37	61	50	42	37	48	41	36	46	40	36	44	39	35	33				
9	59	47	39	34	58	46	39	34	44	38	33	43	37	33	41	36	32	30				
10	56	44	36	31	54	43	36	31	41	35	31	40	34	30	39	34	30	28				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	27395	27395	27395
5°	27537	25179	24096
10°	27499	21588	18695
15°	27485	17610	14012
20°	27398	14029	10485
25°	27149	10993	8322
30°	26580	8897	7099
35°	25464	7529	6457
40°	23555	6647	6112
45°	20943	6081	5923
50°	17740	5596	5595
55°	14574	5071	5110
60°	11656	4461	4482
65°	9048	3916	3901
70°	7026	3464	3450
75°	5435	3112	3144
80°	3836	2849	2922
85°	2133	2656	2802



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	225.4	5.6
10°-20°	528.3	13.0
20°-30°	627.1	15.5
30°-40°	630.9	15.6
40°-50°	586.5	14.5
50°-60°	482.9	11.9
60°-70°	340.3	8.4
70°-80°	222.3	5.5
80°-90°	141.9	3.5
90°-100°	93.1	2.3
100°-110°	63.2	1.6
110°-120°	43.3	1.1
120°-130°	30.0	0.7
130°-140°	20.2	0.5
140°-150°	12.4	0.3
150°-160°	6.4	0.2
160°-170°	2.3	0.1
170°-180°	0.4	0.0
0°-30°	1380.8	34.0
0°-40°	2011.7	49.6
0°-60°	3081.1	75.9
0°-90°	3785.6	93.3
90°-120°	199.6	4.9
90°-150°	262.2	6.5
90°-180°	271.0	6.7
0°-180°	4057.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2545	2545	2545	2545	2545	
5°	2558	2524	2432	2386	2360	243
15°	2494	2228	1792	1567	1482	704
25°	2330	1722	1142	959	918	1072
35°	1994	1165	774	725	721	1240
45°	1433	768	600	632	648	1100
55°	823	504	464	514	532	743
65°	387	304	319	359	372	393
75°	151	157	215	253	264	163
85°	26	72	145	187	196	32
90°	0	49	117	160	166	1
95°	0	36	98	134	140	0
105°	0	26	66	94	102	0
115°	2	21	47	68	72	2
125°	2	17	38	49	53	2
135°	2	15	30	38	40	2
145°	2	11	21	30	32	1
155°	2	8	15	21	23	1
165°	2	4	8	11	13	1
175°	4	4	4	4	2	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2545.1	2545.1	2545.1	2545.1	2545.1
1°	2566.3	2555.7	2528.1	2547.2	2543.0
2°	2564.2	2553.6	2521.7	2530.2	2515.3
3°	2562.1	2547.2	2498.3	2496.2	2474.9
4°	2560.0	2536.6	2468.5	2443.0	2426.0
5°	2557.8	2523.8	2432.4	2385.6	2360.1
6°	2555.7	2508.9	2385.6	2315.4	2279.3
7°	2551.5	2485.5	2336.7	2241.0	2194.3
8°	2547.2	2464.3	2275.0	2160.2	2102.8
9°	2543.0	2436.6	2213.4	2073.1	2005.0
10°	2534.4	2409.0	2149.6	1983.8	1911.5
11°	2530.2	2377.1	2087.9	1898.7	1813.7
12°	2521.7	2343.1	2022.0	1809.4	1735.0
13°	2513.2	2306.9	1941.2	1732.9	1643.6
14°	2504.7	2268.7	1871.1	1647.8	1564.9
15°	2494.0	2228.3	1792.4	1567.0	1482.0
16°	2483.4	2181.5	1722.2	1484.1	1394.8
17°	2472.8	2136.8	1656.3	1407.6	1326.8
18°	2460.0	2092.2	1579.8	1333.1	1254.5
19°	2443.0	2041.2	1518.1	1265.1	1192.8
20°	2428.1	1994.4	1448.0	1201.3	1137.5
21°	2411.1	1937.0	1377.8	1141.8	1078.0
22.5°	2385.6	1856.2	1288.5	1067.4	1007.8
23°	2372.9	1832.8	1252.3	1039.7	988.7
24°	2355.8	1771.1	1192.8	997.2	946.2
25°	2330.3	1722.2	1141.8	958.9	918.5
26°	2306.9	1662.7	1090.7	924.9	884.5
27°	2283.6	1605.3	1046.1	888.8	854.7
28°	2253.8	1545.8	997.2	859.0	829.2
29°	2221.9	1490.5	956.8	833.5	810.1
30°	2190.0	1428.8	922.8	810.1	791.0
32.5°	2100.7	1292.7	835.6	765.4	752.7
35°	1994.4	1165.2	773.9	725.0	720.8
37.5°	1875.3	1048.2	718.7	693.1	697.4
40°	1735.0	941.9	671.9	669.8	678.3
42.5°	1586.2	850.5	635.7	650.6	663.4
45°	1433.1	767.6	599.6	631.5	648.5
47.5°	1273.6	695.3	567.7	608.1	627.2
50°	1112.0	625.1	533.7	580.5	599.6
52.5°	967.4	563.4	499.7	548.6	569.8
55°	822.8	503.9	463.5	514.5	531.6
57.5°	697.4	448.6	425.2	476.3	489.0
60°	580.5	395.5	387.0	433.7	448.6
62.5°	474.1	348.7	350.8	395.5	410.4
65°	387.0	304.0	318.9	359.3	372.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	314.7	261.5	287.0	329.6	340.2
70°	248.8	223.3	261.5	299.8	310.4
72.5°	197.7	189.2	236.0	276.4	284.9
75°	151.0	157.3	214.7	253.0	263.7
77.5°	108.4	131.8	193.5	233.9	242.4
80°	76.5	108.4	176.5	216.9	225.4
82.5°	48.9	89.3	159.5	202.0	210.5
85°	25.5	72.3	144.6	187.1	195.6
87.5°	10.6	59.5	129.7	172.2	180.7
90°	0.0	48.9	116.9	159.5	165.8
92.5°	0.0	42.5	106.3	146.7	153.1
95°	0.0	36.1	97.8	134.0	140.3
97.5°	0.0	34.0	87.2	123.3	129.7
100°	0.0	29.8	78.7	112.7	121.2
102.5°	0.0	27.6	72.3	102.1	110.6
105°	0.0	25.5	65.9	93.6	102.1
107.5°	0.0	23.4	61.7	87.2	93.6
110°	0.0	23.4	55.3	80.8	87.2
112.5°	2.1	21.3	51.0	72.3	78.7
115°	2.1	21.3	46.8	68.0	72.3
117.5°	2.1	21.3	44.7	61.7	65.9
120°	2.1	19.1	42.5	57.4	61.7
122.5°	2.1	19.1	40.4	53.2	55.3
125°	2.1	17.0	38.3	48.9	53.2
127.5°	2.1	17.0	36.1	46.8	48.9
130°	2.1	17.0	34.0	42.5	46.8
132.5°	2.1	14.9	31.9	40.4	42.5
135°	2.1	14.9	29.8	38.3	40.4
137.5°	2.1	12.8	27.6	36.1	38.3
140°	2.1	12.8	25.5	34.0	36.1
142.5°	2.1	10.6	23.4	31.9	34.0
145°	2.1	10.6	21.3	29.8	31.9
147.5°	2.1	10.6	19.1	27.6	29.8
150°	2.1	8.5	17.0	25.5	27.6
152.5°	2.1	8.5	14.9	23.4	25.5
155°	2.1	8.5	14.9	21.3	23.4
157.5°	2.1	6.4	12.8	17.0	21.3
160°	2.1	6.4	10.6	14.9	19.1
162.5°	2.1	6.4	10.6	12.8	14.9
165°	2.1	4.3	8.5	10.6	12.8
167.5°	2.1	4.3	6.4	8.5	10.6
170°	2.1	4.3	6.4	6.4	8.5
172.5°	2.1	4.3	4.3	4.3	4.3
175°	4.3	4.3	4.3	4.3	2.1
177.5°	4.3	4.3	4.3	2.1	2.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	2.1	2.1	2.1	2.1	2.1

(END OF REPORT)