

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: P566369

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566369
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-L850-CD
Description: 4FT 3700 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

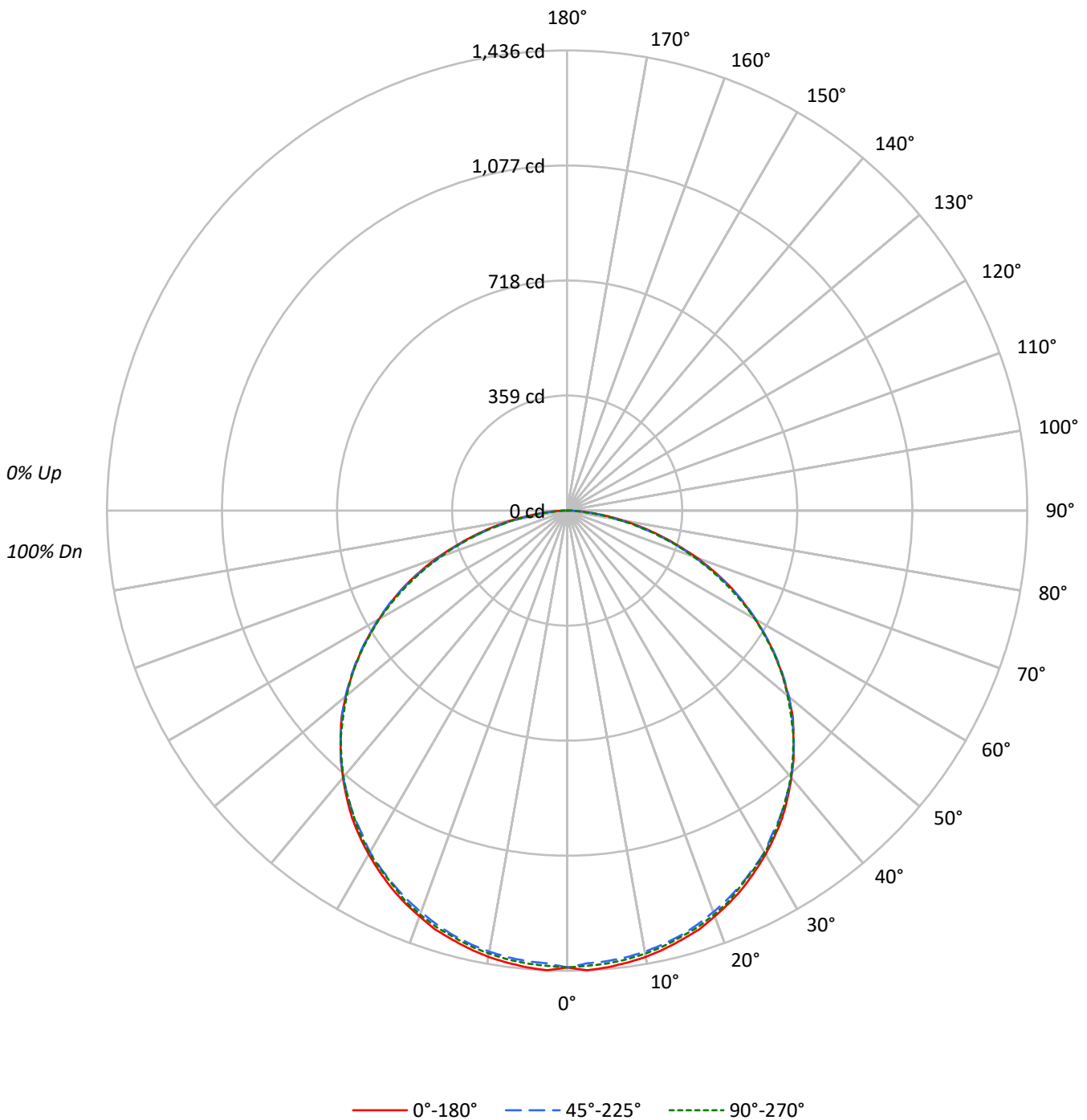
Lumens per Lamp: N/A
Luminaire Lumens: 4263.0 lumens
Efficiency: N/A
Efficacy: 177.6 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Direct

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	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					100			
1	109	104	99	95	106	101	98	94	97	94	91	93	91	88	90	88	86	83					83			
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69					69			
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58					58			
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49					49			
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42					42			
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37					37			
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33					33			
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29					29			
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26					26			
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23					23			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	15347	15347	15347
5°	15461	15253	15336
10°	15457	15275	15346
15°	15445	15288	15345
20°	15435	15274	15362
25°	15425	15273	15304
30°	15395	15299	15330
35°	15382	15264	15281
40°	15296	15278	15260
45°	15204	15224	15204
50°	15095	15136	15029
55°	14895	14942	14870
60°	14602	14656	14574
65°	14304	14204	14008
70°	13599	13316	13155
75°	12423	11998	12052
80°	10730	9937	10172
85°	8077	7756	6966



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.3	3.2
10°-20°	389.7	9.1
20°-30°	596.3	14.0
30°-40°	729.1	17.1
40°-50°	771.3	18.1
50°-60°	710.6	16.7
60°-70°	547.6	12.8
70°-80°	306.8	7.2
80°-90°	76.3	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°	1121.3	26.3
0°-40°	1850.4	43.4
0°-60°	3332.3	78.2
0°-90°	4263.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4263.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1426	1426	1426	1426	1426	
5°	1431	1426	1412	1426	1419	136
15°	1386	1383	1372	1383	1377	392
25°	1299	1296	1286	1296	1289	599
35°	1171	1168	1162	1166	1163	731
45°	999	1003	1000	999	999	772
55°	794	800	796	796	792	709
65°	562	562	558	544	550	552
75°	299	295	288	278	290	317
85°	65	62	63	63	56	81
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1425.8	1425.8	1425.8	1425.8	1425.8
2.5°	1436.0	1429.6	1414.2	1428.3	1421.9
5°	1430.9	1425.8	1411.7	1425.8	1419.3
7.5°	1423.2	1419.3	1406.5	1419.3	1412.9
10°	1414.2	1410.4	1397.5	1410.4	1404.0
12.5°	1401.4	1398.8	1386.0	1398.8	1392.4
15°	1386.0	1383.4	1371.9	1383.4	1377.0
17.5°	1370.6	1365.5	1354.0	1366.8	1361.6
20°	1347.5	1345.0	1333.4	1345.0	1341.1
22.5°	1324.5	1321.9	1311.6	1321.9	1319.3
25°	1298.8	1296.3	1286.0	1296.3	1288.6
27.5°	1269.3	1270.6	1259.1	1265.5	1261.6
30°	1238.6	1238.6	1230.9	1233.4	1233.4
32.5°	1205.2	1205.2	1193.7	1201.4	1200.1
35°	1170.6	1168.0	1161.6	1165.5	1162.9
37.5°	1129.6	1128.3	1124.5	1127.0	1124.5
40°	1088.6	1089.8	1087.3	1086.0	1086.0
42.5°	1046.2	1048.8	1045.0	1043.7	1042.4
45°	998.8	1002.6	1000.1	998.8	998.8
47.5°	955.2	956.5	952.6	951.4	947.5
50°	901.4	906.5	903.9	901.4	897.5
52.5°	847.5	855.2	850.1	847.5	847.5
55°	793.7	800.1	796.2	796.2	792.4
57.5°	737.2	743.7	738.5	738.5	733.4
60°	678.3	684.7	680.8	677.0	677.0
62.5°	619.3	624.4	623.1	616.7	612.9
65°	561.6	561.6	557.7	543.6	550.0
67.5°	496.2	494.9	489.8	475.7	484.7
70°	432.1	432.1	423.1	406.4	418.0
72.5°	362.9	366.7	355.2	343.6	355.2
75°	298.7	294.9	288.5	278.2	289.8
77.5°	237.2	230.8	223.1	218.0	224.4
80°	173.1	169.2	160.3	160.3	164.1
82.5°	118.0	114.1	107.7	109.0	103.9
85°	65.4	61.5	62.8	62.8	56.4
87.5°	26.9	26.9	26.9	24.4	21.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)