

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: P566327

Luminaire Tested: **4SNX-37SL-FDL-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566327
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-15)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-37SL-FDL-UNV-L835-CD
Description: 4FT 3700 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

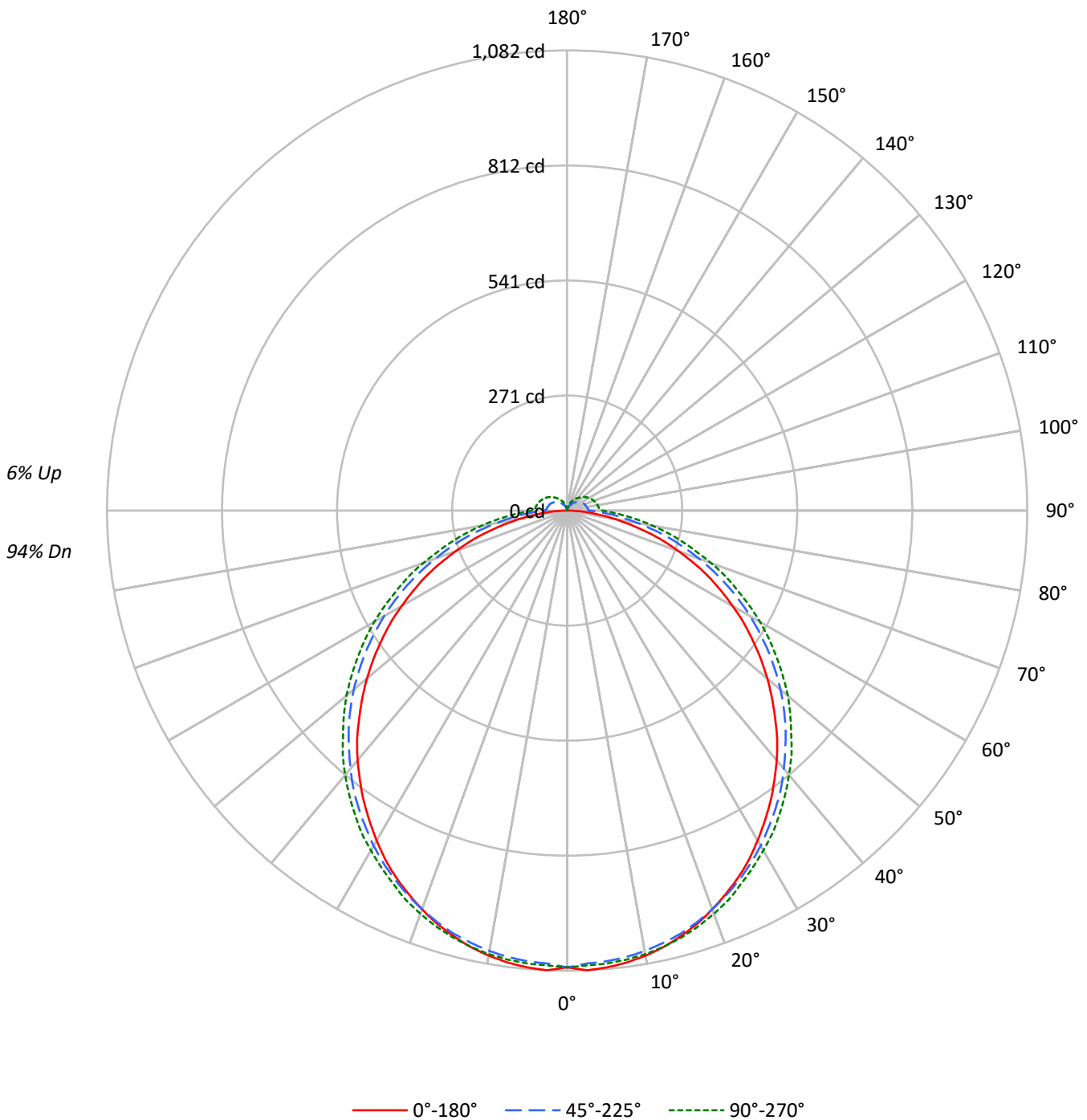
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3413.0 lumens
Efficiency: N/A
Efficacy: 142.2 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.04')
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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94				
1	107	102	97	93	103	99	95	91	93	90	87	88	86	83	84	82	80	77				
2	97	88	81	75	93	86	79	74	81	76	71	77	73	69	73	69	66	64				
3	88	77	69	62	85	75	67	61	71	65	59	68	62	57	64	60	56	53				
4	80	68	59	52	78	66	58	52	63	56	50	60	54	49	57	52	48	45				
5	74	61	52	45	71	59	51	44	56	49	43	54	47	42	51	46	41	39				
6	68	55	46	39	66	53	45	39	51	43	38	49	42	37	47	41	36	34				
7	63	49	41	34	61	48	40	34	46	39	33	44	38	33	43	37	32	30				
8	59	45	36	31	57	44	36	30	42	35	30	41	34	29	39	33	29	27				
9	55	41	33	27	53	40	33	27	39	32	27	37	31	26	36	30	26	24				
10	51	38	30	25	50	37	30	25	36	29	24	35	28	24	33	28	24	22				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	11560	11560	11560
5°	11639	11369	11387
10°	11592	11246	11243
15°	11505	11104	11083
20°	11387	10932	10894
25°	11251	10743	10670
30°	11066	10550	10464
35°	10881	10324	10248
40°	10676	10076	10006
45°	10416	9828	9723
50°	10167	9547	9465
55°	9858	9198	9107
60°	9509	8799	8754
65°	9141	8324	8267
70°	8506	7727	7763
75°	7742	7023	7159
80°	6614	6089	6491
85°	5198	5283	5705



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.9	3.0
10°-20°	292.3	8.6
20°-30°	442.9	13.0
30°-40°	534.7	15.7
40°-50°	558.4	16.4
50°-60°	513.0	15.0
60°-70°	405.6	11.9
70°-80°	256.7	7.5
80°-90°	110.4	3.2
90°-100°	48.6	1.4
100°-110°	43.5	1.3
110°-120°	36.7	1.1
120°-130°	28.6	0.8
130°-140°	19.8	0.6
140°-150°	11.9	0.3
150°-160°	5.8	0.2
160°-170°	2.0	0.1
170°-180°	0.3	0.0
0°-30°	837.1	24.5
0°-40°	1371.8	40.2
0°-60°	2443.1	71.6
0°-90°	3215.8	94.2
90°-120°	128.8	3.8
90°-150°	189.1	5.5
90°-180°	197.0	5.8
0°-180°	3413.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1074	1074	1074	1074	1074	
5°	1078	1075	1064	1073	1069	102
15°	1035	1035	1030	1041	1039	292
25°	952	956	957	970	968	438
35°	834	844	855	868	871	521
45°	691	708	726	740	745	534
55°	533	555	578	596	601	477
65°	367	387	415	434	441	361
75°	193	216	248	269	279	205
85°	47	72	104	126	134	52
90°	3	26	53	74	82	4
95°	1	22	48	68	75	0
105°	1	20	45	64	70	1
115°	1	18	41	57	64	1
125°	1	16	34	50	55	1
135°	1	12	28	39	44	1
145°	1	9	19	30	33	1
155°	1	6	13	19	22	1
165°	2	4	7	9	13	1
175°	2	2	3	3	2	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1074.0	1074.0	1074.0	1074.0	1074.0
2.5°	1081.9	1078.2	1066.1	1074.6	1070.4
5°	1078.2	1075.2	1063.7	1072.8	1069.2
7.5°	1071.6	1069.2	1058.9	1068.6	1064.9
10°	1062.5	1060.7	1051.6	1061.3	1058.9
12.5°	1051.0	1050.4	1041.4	1052.2	1050.4
15°	1035.3	1035.3	1029.9	1040.8	1039.0
17.5°	1018.4	1019.0	1014.8	1026.3	1025.1
20°	997.9	1000.9	997.9	1009.9	1008.7
22.5°	975.5	979.7	978.5	990.6	991.2
25°	951.9	956.2	957.4	970.1	968.2
27.5°	925.9	932.6	935.0	946.5	945.9
30°	895.7	904.8	910.2	919.9	922.9
32.5°	864.9	875.8	882.4	895.7	899.3
35°	834.1	843.7	854.6	867.9	870.9
37.5°	800.2	811.1	825.6	838.3	841.9
40°	766.4	778.5	792.4	806.3	811.7
42.5°	731.3	744.0	759.1	775.4	780.9
45°	691.4	708.3	726.5	740.4	745.2
47.5°	653.3	672.1	691.4	706.5	712.0
50°	614.7	634.6	655.2	669.1	677.5
52.5°	574.2	595.9	616.5	634.0	639.4
55°	533.1	554.8	577.8	596.5	600.8
57.5°	493.2	514.3	537.3	554.8	563.3
60°	449.7	472.6	497.4	514.9	524.0
62.5°	407.4	429.7	456.3	475.1	482.3
65°	366.9	387.4	414.6	434.0	440.6
67.5°	322.1	345.7	371.7	394.1	402.5
70°	278.0	300.4	330.0	351.2	359.6
72.5°	236.9	258.7	288.3	309.4	317.3
75°	193.4	216.4	247.8	269.0	279.2
77.5°	151.7	177.1	207.3	230.3	241.8
80°	113.0	135.4	168.0	193.4	203.7
82.5°	76.8	100.9	134.8	158.4	169.8
85°	47.1	72.5	104.0	126.3	134.2
87.5°	22.4	46.5	75.5	97.3	107.0
90°	3.0	26.0	53.2	74.3	82.2
92.5°	0.6	22.4	49.0	68.9	76.2
95°	0.6	22.4	48.4	67.7	74.9
97.5°	0.6	21.8	47.7	67.1	73.7
100°	0.6	21.2	47.1	65.9	73.1
102.5°	0.6	21.2	45.9	64.7	71.3
105°	0.6	20.5	45.3	63.5	70.1
107.5°	0.6	19.9	44.1	62.3	68.9
110°	0.6	18.7	43.5	60.4	67.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.6	18.1	42.3	59.2	65.3
115°	0.6	17.5	41.1	57.4	63.5
117.5°	0.6	16.9	39.3	55.6	61.6
120°	1.2	16.9	38.1	53.8	59.2
122.5°	1.2	16.3	36.3	51.4	56.8
125°	1.2	15.7	34.5	49.6	55.0
127.5°	1.2	15.1	32.6	47.1	52.0
130°	1.2	13.9	31.4	44.7	49.6
132.5°	1.2	13.3	29.6	41.7	46.5
135°	1.2	12.1	27.8	39.3	44.1
137.5°	1.2	11.5	26.0	36.9	41.1
140°	1.2	10.9	23.6	34.5	38.7
142.5°	1.2	9.7	21.8	32.0	35.7
145°	1.2	9.1	19.3	29.6	32.6
147.5°	1.2	7.9	17.5	27.2	30.2
150°	1.2	7.3	15.7	24.8	27.8
152.5°	1.2	6.6	13.9	21.8	24.8
155°	1.2	6.0	12.7	18.7	22.4
157.5°	1.2	5.4	10.9	16.3	19.9
160°	1.8	4.8	9.7	13.9	16.9
162.5°	1.8	4.2	7.9	11.5	15.1
165°	1.8	4.2	6.6	9.1	12.7
167.5°	1.8	3.6	5.4	7.3	10.3
170°	1.8	3.0	4.8	5.4	7.9
172.5°	1.8	2.4	3.6	3.6	4.2
175°	1.8	2.4	3.0	3.0	1.8
177.5°	1.8	1.8	1.8	1.8	1.2
180°	1.8	1.8	1.8	1.8	1.8

(END OF REPORT)