

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: P566351

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

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566351  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SNX-37SL-LW-UNV-L835-CD  
Description: 4FT 3700 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LW LENS  
Light Source: -  
Ballast/Driver: -

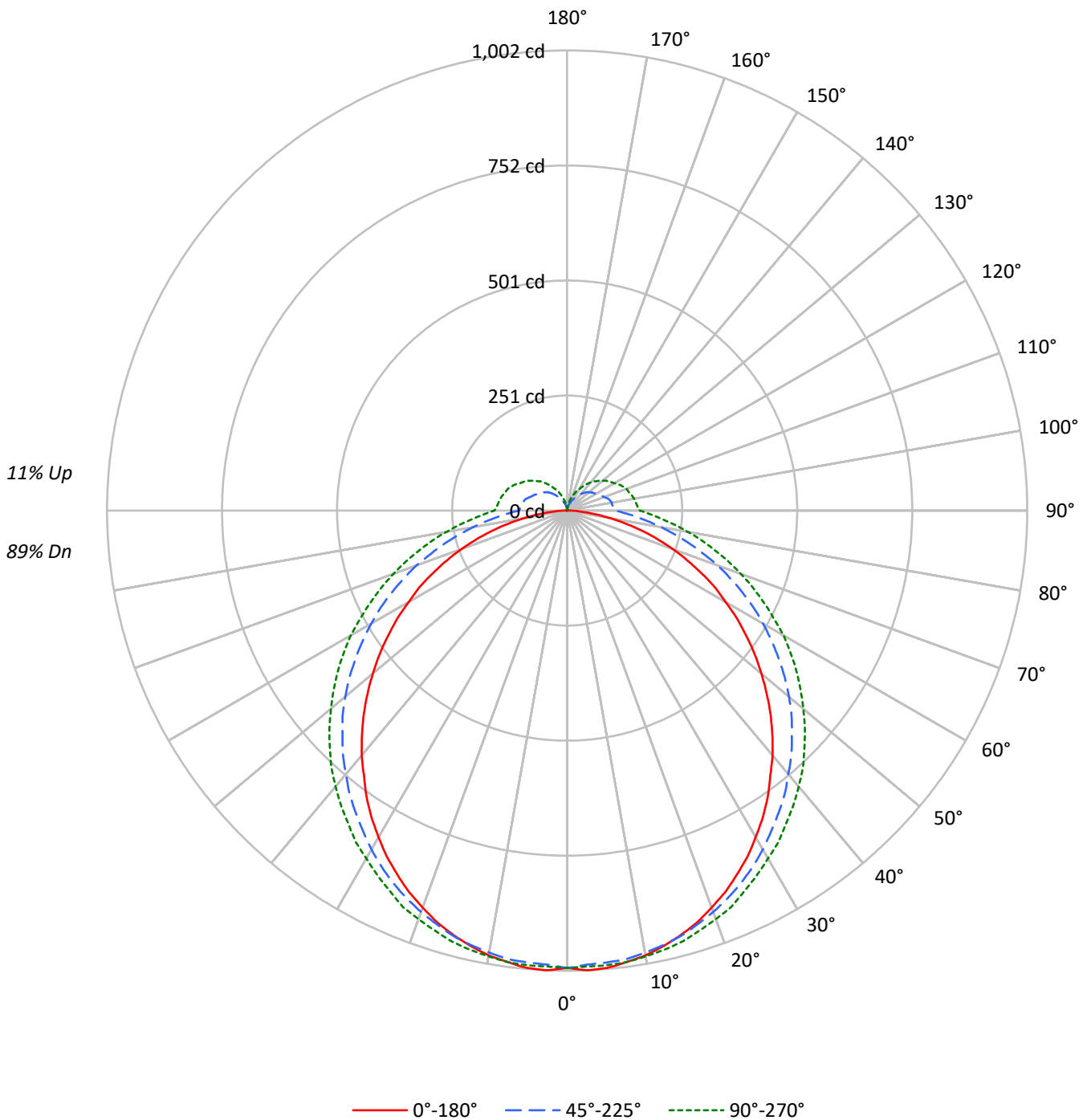
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3545.0 lumens  
Efficiency: N/A  
Efficacy: 147.7 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')  
CIE Type: Semi-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	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89
1	105	100	95	90	101	96	92	88	90	86	83	84	81	79	79	76	74	71
2	95	86	79	73	91	83	76	71	78	72	68	73	68	64	68	65	61	58
3	86	75	67	60	83	73	65	59	68	61	56	64	58	54	60	55	51	49
4	79	66	57	50	75	64	56	49	60	53	47	57	50	46	53	48	44	41
5	72	59	50	43	69	57	49	42	54	46	41	51	44	39	48	42	38	35
6	67	53	44	37	64	51	43	37	48	41	35	46	39	34	43	38	33	31
7	62	48	39	33	59	47	38	32	44	37	31	42	35	30	39	34	29	27
8	57	44	35	29	55	42	34	29	40	33	28	38	32	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	28	24	22
10	50	37	29	24	48	36	28	23	34	27	23	32	26	22	31	25	21	20

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	10719	10719	10719
5°	10765	10223	10145
10°	10671	9815	9638
15°	10544	9420	9182
20°	10379	9011	8725
25°	10191	8619	8278
30°	9968	8215	7850
35°	9725	7810	7449
40°	9449	7414	7067
45°	9151	7018	6676
50°	8811	6609	6265
55°	8436	6155	5862
60°	7997	5681	5436
65°	7538	5168	4950
70°	6899	4622	4472
75°	6061	3987	3966
80°	4733	3347	3460
85°	3095	2753	2941



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	94.6	2.7
10°-20°	271.9	7.7
20°-30°	413.4	11.7
30°-40°	501.8	14.2
40°-50°	530.2	15.0
50°-60°	496.2	14.0
60°-70°	407.1	11.5
70°-80°	280.0	7.9
80°-90°	153.4	4.3
90°-100°	98.8	2.8
100°-110°	88.6	2.5
110°-120°	73.4	2.1
120°-130°	56.5	1.6
130°-140°	39.7	1.1
140°-150°	23.9	0.7
150°-160°	11.5	0.3
160°-170°	3.8	0.1
170°-180°	0.5	0.0
0°-30°	779.8	22.0
0°-40°	1281.6	36.2
0°-60°	2308.1	65.1
0°-90°	3148.5	88.8
90°-120°	260.7	7.4
90°-150°	380.8	10.7
90°-180°	396.0	11.2
0°-180°	3545.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	996	996	996	996	996	
5°	1000	998	988	996	994	95
15°	957	961	959	971	971	270
25°	875	885	895	914	914	403
35°	762	780	803	825	832	476
45°	626	655	692	723	731	483
55°	476	515	563	598	610	426
65°	322	366	421	460	472	319
75°	168	214	275	318	333	177
85°	37	88	150	191	205	43
90°	0	49	105	144	158	3
95°	0	47	101	138	152	0
105°	0	39	94	129	142	1
115°	2	35	80	115	129	2
125°	2	29	68	99	111	2
135°	2	23	55	80	90	2
145°	2	16	39	62	68	1
155°	2	10	25	39	45	1
165°	2	6	12	18	23	1
175°	2	2	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°	995.8	995.8	995.8	995.8	995.8
2.5°	1002.0	999.9	989.6	997.9	993.7
5°	999.9	997.9	987.6	995.8	993.7
7.5°	991.7	991.7	985.5	993.7	991.7
10°	983.5	983.5	977.3	987.6	985.5
12.5°	971.2	973.2	969.1	981.4	979.4
15°	956.8	960.9	958.8	971.2	971.2
17.5°	940.4	944.5	944.5	958.8	958.8
20°	919.8	926.0	930.1	946.5	946.5
22.5°	899.3	907.5	913.7	928.0	934.2
25°	874.7	884.9	895.2	913.7	913.7
27.5°	850.0	862.3	874.7	893.1	895.2
30°	821.3	835.6	852.1	870.6	874.7
32.5°	792.5	811.0	827.4	850.0	856.2
35°	761.7	780.2	802.8	825.4	831.5
37.5°	726.8	749.4	778.2	802.8	809.0
40°	696.0	720.7	749.4	778.2	784.3
42.5°	661.1	687.8	722.7	749.4	759.7
45°	626.2	655.0	691.9	722.7	730.9
47.5°	589.3	622.1	663.2	691.9	702.2
50°	552.3	587.2	630.3	663.2	671.4
52.5°	515.4	552.3	597.5	630.3	640.6
55°	476.3	515.4	562.6	597.5	609.8
57.5°	439.4	478.4	527.7	564.6	576.9
60°	398.3	443.5	492.8	529.7	544.1
62.5°	363.4	404.5	457.9	494.8	507.1
65°	322.4	365.5	420.9	459.9	472.2
67.5°	283.3	328.5	383.9	425.0	437.3
70°	244.3	289.5	349.0	388.1	402.4
72.5°	205.3	252.5	310.0	353.1	367.5
75°	168.4	213.5	275.1	318.2	332.6
77.5°	129.4	178.6	240.2	283.3	299.8
80°	94.4	145.8	207.4	250.5	266.9
82.5°	63.6	115.0	176.6	219.7	236.1
85°	37.0	88.3	149.9	190.9	205.3
87.5°	18.5	67.8	125.2	166.3	180.7
90°	0.0	49.3	104.7	143.7	158.1
92.5°	0.0	47.2	102.7	139.6	154.0
95°	0.0	47.2	100.6	137.6	151.9
97.5°	0.0	45.2	98.6	137.6	149.9
100°	0.0	43.1	98.6	135.5	147.8
102.5°	0.0	41.1	96.5	133.5	145.8
105°	0.0	39.0	94.4	129.4	141.7
107.5°	2.1	39.0	90.3	127.3	139.6
110°	2.1	37.0	86.2	125.2	137.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	2.1	34.9	82.1	121.1	133.5
115°	2.1	34.9	80.1	115.0	129.4
117.5°	2.1	32.9	76.0	110.9	125.2
120°	2.1	32.9	73.9	106.8	119.1
122.5°	2.1	30.8	69.8	102.7	115.0
125°	2.1	28.7	67.8	98.6	110.9
127.5°	2.1	26.7	65.7	94.4	106.8
130°	2.1	24.6	61.6	90.3	100.6
132.5°	2.1	24.6	59.5	84.2	96.5
135°	2.1	22.6	55.4	80.1	90.3
137.5°	2.1	20.5	51.3	76.0	86.2
140°	2.1	18.5	47.2	71.9	80.1
142.5°	2.1	18.5	43.1	65.7	73.9
145°	2.1	16.4	39.0	61.6	67.8
147.5°	2.1	14.4	34.9	55.4	61.6
150°	2.1	14.4	30.8	49.3	55.4
152.5°	2.1	12.3	26.7	45.2	51.3
155°	2.1	10.3	24.6	39.0	45.2
157.5°	2.1	10.3	20.5	32.9	39.0
160°	2.1	8.2	18.5	26.7	32.9
162.5°	2.1	8.2	16.4	22.6	28.7
165°	2.1	6.2	12.3	18.5	22.6
167.5°	2.1	6.2	10.3	14.4	18.5
170°	2.1	4.1	8.2	10.3	14.4
172.5°	2.1	4.1	6.2	6.2	6.2
175°	2.1	2.1	4.1	4.1	2.1
177.5°	2.1	2.1	2.1	2.1	2.1
180°	2.1	2.1	2.1	2.1	2.1

(END OF REPORT)