

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: P566360

Luminaire Tested: **4SNX-37SL-SLW-UNV-L840-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566360  
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-SLW-UNV-L840-CD  
Description: 4FT 3700 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND SLW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

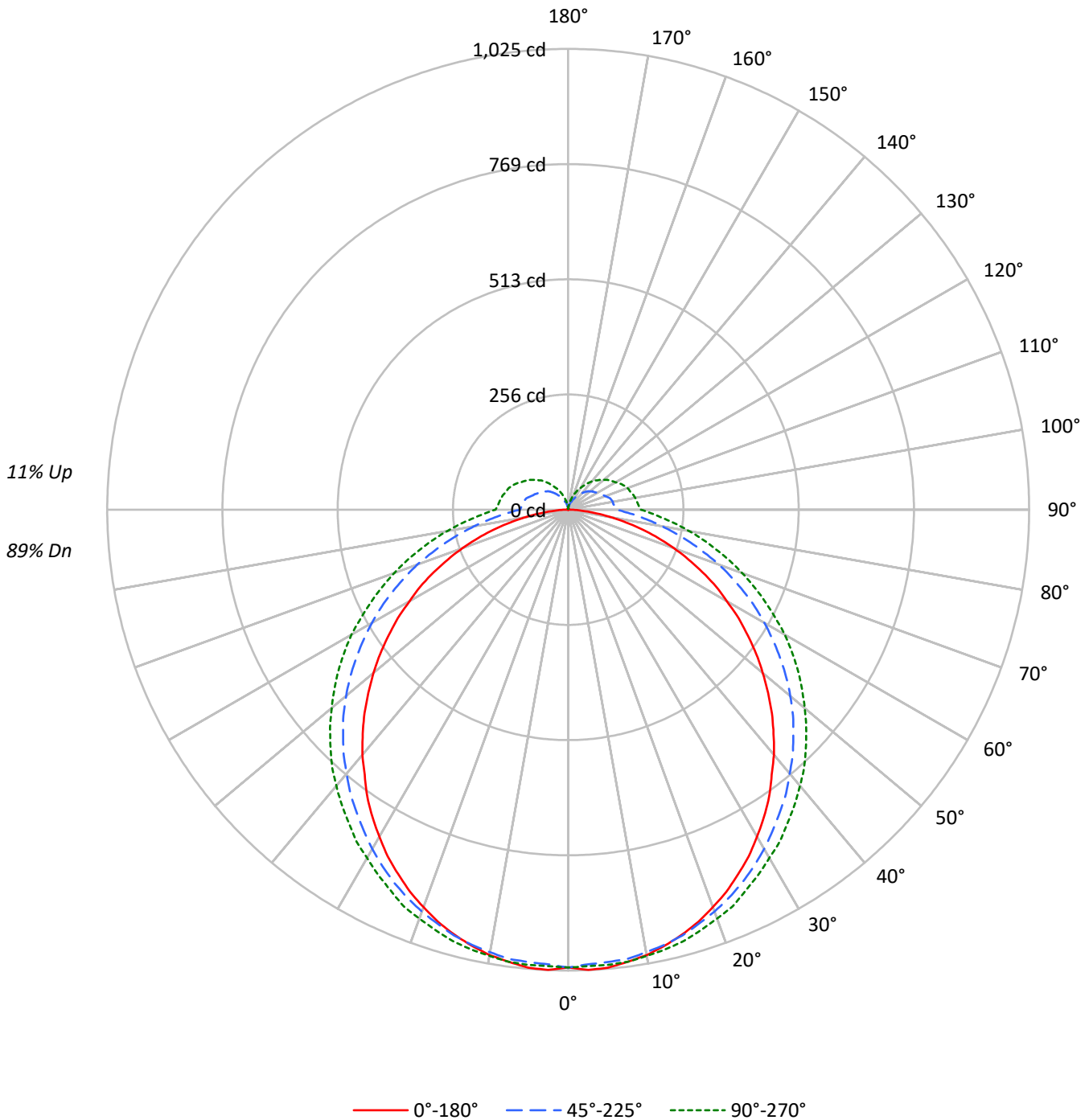
Lumens per Lamp: N/A  
Luminaire Lumens: 3625.1 lumens  
Efficiency: N/A  
Efficacy: 151.0 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')  
CIE Type: Semi-Direct

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

TEST NUMBER: P566360

CATALOG NUMBER: 4SNX-37SL-SLW-UNV-L840-CD

### Luminous Intensity Polar Plot





TEST NUMBER: P566360

CATALOG NUMBER: 4SNX-37SL-SLW-UNV-L840-CD

**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°	10961	10961	10961
5°	11028	10679	10670
10°	10952	10463	10406
15°	10843	10242	10163
20°	10694	9988	9892
25°	10521	9739	9609
30°	10314	9466	9328
35°	10088	9183	9066
40°	9829	8904	8814
45°	9550	8620	8541
50°	9230	8321	8237
55°	8878	7961	7939
60°	8464	7575	7605
65°	8037	7142	7184
70°	7438	6665	6773
75°	6647	6059	6317
80°	5357	5445	5868
85°	3773	4916	5409



TEST NUMBER: P566360

CATALOG NUMBER: 4SNX-37SL-SLW-UNV-L840-CD

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	96.7	2.7
10°-20°	278.0	7.7
20°-30°	422.7	11.7
30°-40°	513.1	14.2
40°-50°	542.2	15.0
50°-60°	507.4	14.0
60°-70°	416.3	11.5
70°-80°	286.3	7.9
80°-90°	156.8	4.3
90°-100°	101.0	2.8
100°-110°	90.6	2.5
110°-120°	75.0	2.1
120°-130°	57.8	1.6
130°-140°	40.6	1.1
140°-150°	24.5	0.7
150°-160°	11.7	0.3
160°-170°	3.8	0.1
170°-180°	0.5	0.0
0°-30°	797.4	22.0
0°-40°	1310.5	36.2
0°-60°	2360.1	65.1
0°-90°	3219.6	88.8
90°-120°	266.6	7.4
90°-150°	389.5	10.7
90°-180°	405.0	11.2
0°-180°	3625.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1018	1018	1018	1018	1018	
5°	1022	1020	1010	1018	1016	97
15°	978	983	980	993	993	276
25°	894	905	915	934	934	412
35°	779	798	821	844	850	487
45°	640	670	708	739	747	494
55°	487	527	575	611	624	436
65°	330	374	430	470	483	326
75°	172	218	281	325	340	181
85°	38	90	153	195	210	44
90°	0	50	107	147	162	3
95°	0	48	103	141	155	0
105°	0	40	97	132	145	1
115°	2	36	82	118	132	2
125°	2	29	69	101	113	2
135°	2	23	57	82	92	2
145°	2	17	40	63	69	1
155°	2	10	25	40	46	1
165°	2	6	13	19	23	1
175°	2	2	4	4	2	0
180°	2	2	2	2	2	



TEST NUMBER: P566360

CATALOG NUMBER: 4SNX-37SL-SLW-UNV-L840-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1018.3	1018.3	1018.3	1018.3	1018.3
2.5°	1024.6	1022.5	1012.0	1020.4	1016.2
5°	1022.5	1020.4	1009.9	1018.3	1016.2
7.5°	1014.1	1014.1	1007.8	1016.2	1014.1
10°	1005.7	1005.7	999.4	1009.9	1007.8
12.5°	993.1	995.2	991.0	1003.6	1001.5
15°	978.4	982.6	980.5	993.1	993.1
17.5°	961.6	965.8	965.8	980.5	980.5
20°	940.6	946.9	951.1	967.9	967.9
22.5°	919.6	928.0	934.3	949.0	955.3
25°	894.4	904.9	915.4	934.3	934.3
27.5°	869.2	881.8	894.4	913.3	915.4
30°	839.8	854.5	871.3	890.2	894.4
32.5°	810.4	829.3	846.1	869.2	875.5
35°	778.9	797.8	820.9	844.0	850.3
37.5°	743.2	766.3	795.7	820.9	827.2
40°	711.7	736.9	766.3	795.7	802.0
42.5°	676.0	703.3	739.0	766.3	776.8
45°	640.4	669.7	707.5	739.0	747.4
47.5°	602.6	636.2	678.1	707.5	718.0
50°	564.8	600.5	644.6	678.1	686.5
52.5°	527.0	564.8	611.0	644.6	655.1
55°	487.1	527.0	575.3	611.0	623.6
57.5°	449.3	489.2	539.6	577.4	590.0
60°	407.3	453.5	503.9	541.7	556.4
62.5°	371.6	413.6	468.2	506.0	518.6
65°	329.6	373.7	430.4	470.3	482.9
67.5°	289.7	335.9	392.6	434.6	447.2
70°	249.8	296.0	356.9	396.8	411.5
72.5°	210.0	258.2	317.0	361.1	375.8
75°	172.2	218.4	281.3	325.4	340.1
77.5°	132.3	182.7	245.6	289.7	306.5
80°	96.6	149.1	212.1	256.1	272.9
82.5°	65.1	117.6	180.6	224.6	241.4
85°	37.8	90.3	153.3	195.3	210.0
87.5°	18.9	69.3	128.1	170.1	184.8
90°	0.0	50.4	107.1	147.0	161.7
92.5°	0.0	48.3	105.0	142.8	157.5
95°	0.0	48.3	102.9	140.7	155.4
97.5°	0.0	46.2	100.8	140.7	153.3
100°	0.0	44.1	100.8	138.6	151.2
102.5°	0.0	42.0	98.7	136.5	149.1
105°	0.0	39.9	96.6	132.3	144.9
107.5°	2.1	39.9	92.4	130.2	142.8
110°	2.1	37.8	88.2	128.1	140.7



TEST NUMBER: P566360

CATALOG NUMBER: 4SNX-37SL-SLW-UNV-L840-CD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	2.1	35.7	84.0	123.9	136.5
115°	2.1	35.7	81.9	117.6	132.3
117.5°	2.1	33.6	77.7	113.4	128.1
120°	2.1	33.6	75.6	109.2	121.8
122.5°	2.1	31.5	71.4	105.0	117.6
125°	2.1	29.4	69.3	100.8	113.4
127.5°	2.1	27.3	67.2	96.6	109.2
130°	2.1	25.2	63.0	92.4	102.9
132.5°	2.1	25.2	60.9	86.1	98.7
135°	2.1	23.1	56.7	81.9	92.4
137.5°	2.1	21.0	52.5	77.7	88.2
140°	2.1	18.9	48.3	73.5	81.9
142.5°	2.1	18.9	44.1	67.2	75.6
145°	2.1	16.8	39.9	63.0	69.3
147.5°	2.1	14.7	35.7	56.7	63.0
150°	2.1	14.7	31.5	50.4	56.7
152.5°	2.1	12.6	27.3	46.2	52.5
155°	2.1	10.5	25.2	39.9	46.2
157.5°	2.1	10.5	21.0	33.6	39.9
160°	2.1	8.4	18.9	27.3	33.6
162.5°	2.1	8.4	16.8	23.1	29.4
165°	2.1	6.3	12.6	18.9	23.1
167.5°	2.1	6.3	10.5	14.7	18.9
170°	2.1	4.2	8.4	10.5	14.7
172.5°	2.1	4.2	6.3	6.3	6.3
175°	2.1	2.1	4.2	4.2	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)