

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: P566359

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566359
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-L835-CD
Description: 4FT 3700 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

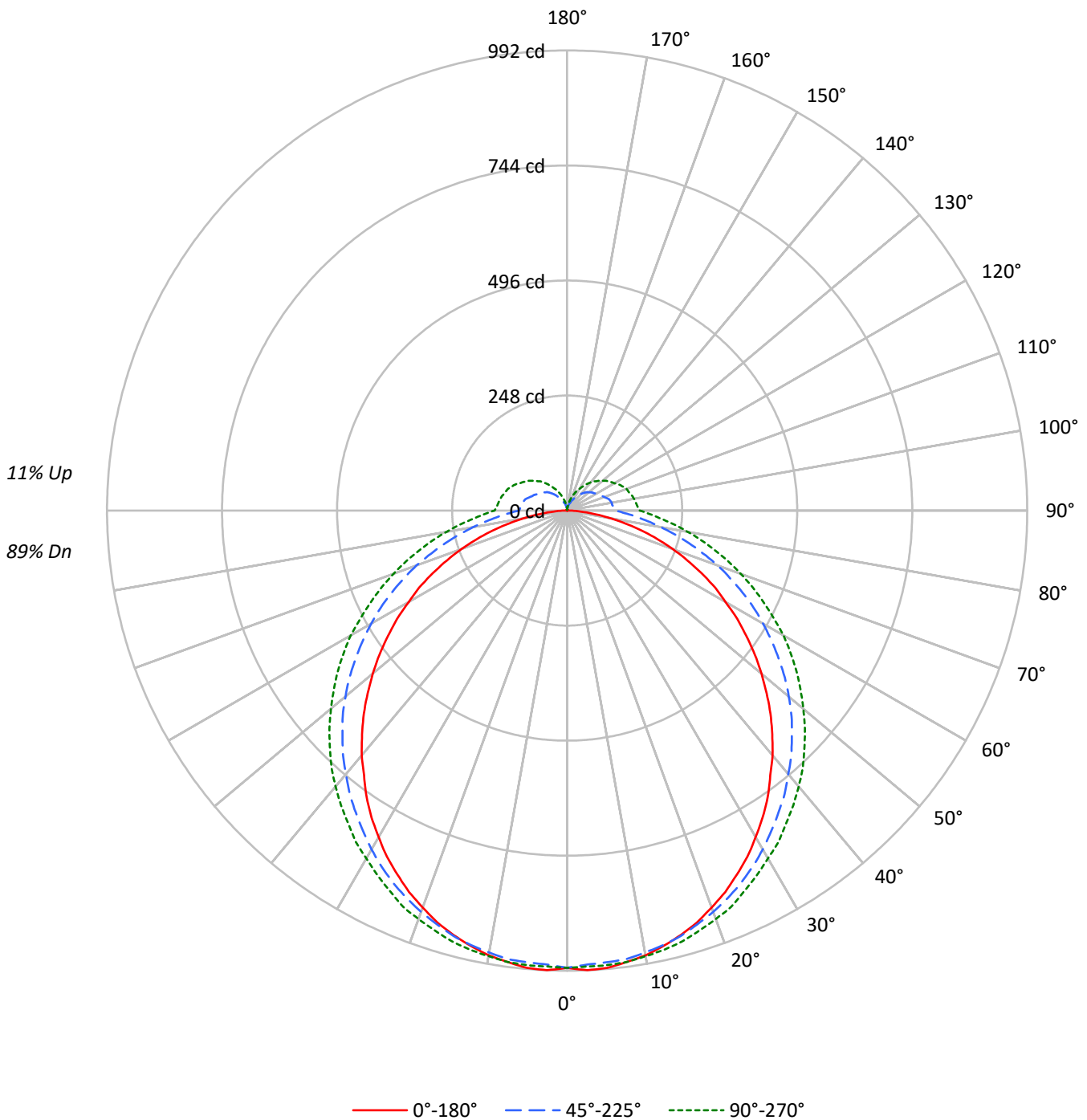
Lumens per Lamp: N/A
Luminaire Lumens: 3509.0 lumens
Efficiency: N/A
Efficacy: 146.2 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')
CIE Type: Semi-Direct

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

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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°	10610	10610	10610
5°	10675	10337	10329
10°	10602	10128	10073
15°	10496	9914	9837
20°	10351	9669	9575
25°	10184	9427	9301
30°	9984	9163	9030
35°	9766	8889	8776
40°	9516	8619	8532
45°	9245	8344	8268
50°	8934	8054	7974
55°	8594	7706	7684
60°	8194	7333	7362
65°	7781	6913	6954
70°	7199	6452	6555
75°	6435	5865	6115
80°	5186	5270	5681
85°	3654	4759	5234



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.6	2.7
10°-20°	269.1	7.7
20°-30°	409.2	11.7
30°-40°	496.7	14.2
40°-50°	524.9	15.0
50°-60°	491.1	14.0
60°-70°	403.0	11.5
70°-80°	277.2	7.9
80°-90°	151.8	4.3
90°-100°	97.7	2.8
100°-110°	87.7	2.5
110°-120°	72.6	2.1
120°-130°	55.9	1.6
130°-140°	39.3	1.1
140°-150°	23.7	0.7
150°-160°	11.3	0.3
160°-170°	3.7	0.1
170°-180°	0.4	0.0
0°-30°	771.9	22.0
0°-40°	1268.6	36.2
0°-60°	2284.6	65.1
0°-90°	3116.6	88.8
90°-120°	258.0	7.4
90°-150°	376.9	10.7
90°-180°	392.0	11.2
0°-180°	3509.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	986	986	986	986	986	
5°	990	988	978	986	984	94
15°	947	951	949	961	961	267
25°	866	876	886	904	904	399
35°	754	772	795	817	823	471
45°	620	648	685	715	724	478
55°	472	510	557	591	604	422
65°	319	362	417	455	467	316
75°	167	211	272	315	329	175
85°	37	87	148	189	203	42
90°	0	49	104	142	156	3
95°	0	47	100	136	150	0
105°	0	39	94	128	140	1
115°	2	34	79	114	128	2
125°	2	28	67	98	110	2
135°	2	22	55	79	89	2
145°	2	16	39	61	67	1
155°	2	10	24	39	45	1
165°	2	6	12	18	22	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°	985.7	985.7	985.7	985.7	985.7
2.5°	991.8	989.8	979.6	987.7	983.7
5°	989.8	987.7	977.6	985.7	983.7
7.5°	981.6	981.6	975.5	983.7	981.6
10°	973.5	973.5	967.4	977.6	975.5
12.5°	961.3	963.3	959.3	971.5	969.4
15°	947.1	951.1	949.1	961.3	961.3
17.5°	930.8	934.9	934.9	949.1	949.1
20°	910.5	916.6	920.7	936.9	936.9
22.5°	890.2	898.3	904.4	918.6	924.7
25°	865.8	875.9	886.1	904.4	904.4
27.5°	841.4	853.6	865.8	884.1	886.1
30°	812.9	827.2	843.4	861.7	865.8
32.5°	784.5	802.8	819.0	841.4	847.5
35°	754.0	772.3	794.6	817.0	823.1
37.5°	719.4	741.8	770.3	794.6	800.7
40°	689.0	713.4	741.8	770.3	776.4
42.5°	654.4	680.8	715.4	741.8	752.0
45°	619.9	648.3	684.9	715.4	723.5
47.5°	583.3	615.8	656.4	684.9	695.1
50°	546.7	581.3	623.9	656.4	664.6
52.5°	510.1	546.7	591.4	623.9	634.1
55°	471.5	510.1	556.9	591.4	603.6
57.5°	434.9	473.5	522.3	558.9	571.1
60°	394.3	439.0	487.8	524.3	538.6
62.5°	359.7	400.4	453.2	489.8	502.0
65°	319.1	361.8	416.6	455.2	467.4
67.5°	280.5	325.2	380.0	420.7	432.9
70°	241.8	286.6	345.5	384.1	398.3
72.5°	203.2	250.0	306.9	349.6	363.8
75°	166.7	211.4	272.3	315.0	329.2
77.5°	128.0	176.8	237.8	280.5	296.7
80°	93.5	144.3	205.3	247.9	264.2
82.5°	63.0	113.8	174.8	217.5	233.7
85°	36.6	87.4	148.4	189.0	203.2
87.5°	18.3	67.1	124.0	164.6	178.8
90°	0.0	48.8	103.6	142.3	156.5
92.5°	0.0	46.7	101.6	138.2	152.4
95°	0.0	46.7	99.6	136.2	150.4
97.5°	0.0	44.7	97.6	136.2	148.4
100°	0.0	42.7	97.6	134.1	146.3
102.5°	0.0	40.6	95.5	132.1	144.3
105°	0.0	38.6	93.5	128.0	140.2
107.5°	2.0	38.6	89.4	126.0	138.2
110°	2.0	36.6	85.4	124.0	136.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.0	34.5	81.3	119.9	132.1
115°	2.0	34.5	79.3	113.8	128.0
117.5°	2.0	32.5	75.2	109.7	124.0
120°	2.0	32.5	73.2	105.7	117.9
122.5°	2.0	30.5	69.1	101.6	113.8
125°	2.0	28.5	67.1	97.6	109.7
127.5°	2.0	26.4	65.0	93.5	105.7
130°	2.0	24.4	61.0	89.4	99.6
132.5°	2.0	24.4	58.9	83.3	95.5
135°	2.0	22.4	54.9	79.3	89.4
137.5°	2.0	20.3	50.8	75.2	85.4
140°	2.0	18.3	46.7	71.1	79.3
142.5°	2.0	18.3	42.7	65.0	73.2
145°	2.0	16.3	38.6	61.0	67.1
147.5°	2.0	14.2	34.5	54.9	61.0
150°	2.0	14.2	30.5	48.8	54.9
152.5°	2.0	12.2	26.4	44.7	50.8
155°	2.0	10.2	24.4	38.6	44.7
157.5°	2.0	10.2	20.3	32.5	38.6
160°	2.0	8.1	18.3	26.4	32.5
162.5°	2.0	8.1	16.3	22.4	28.5
165°	2.0	6.1	12.2	18.3	22.4
167.5°	2.0	6.1	10.2	14.2	18.3
170°	2.0	4.1	8.1	10.2	14.2
172.5°	2.0	4.1	6.1	6.1	6.1
175°	2.0	2.0	4.1	4.1	2.0
177.5°	2.0	2.0	2.0	2.0	2.0
180°	2.0	2.0	2.0	2.0	2.0

(END OF REPORT)