

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: P566326

Luminaire Tested: **4SNX-37SL-FDL-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566326
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-L830-CD
Description: 4FT 3700 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

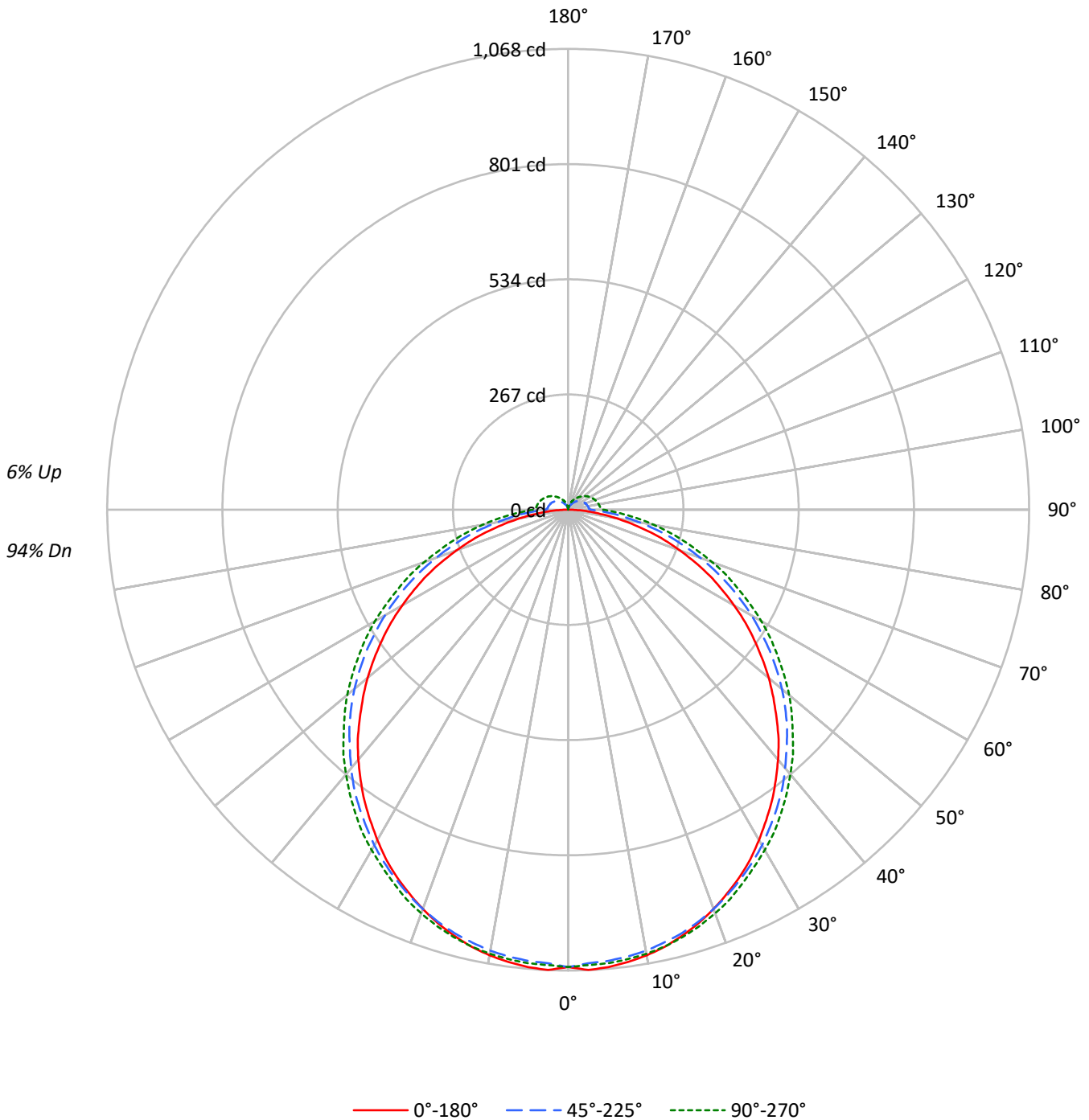
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3368.0 lumens
Efficiency: N/A
Efficacy: 140.3 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 (A_{in}): 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	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°	11408	11408	11408
5°	11486	11219	11237
10°	11439	11098	11095
15°	11354	10958	10937
20°	11237	10788	10750
25°	11103	10601	10530
30°	10920	10411	10326
35°	10737	10188	10113
40°	10535	9942	9874
45°	10279	9699	9595
50°	10033	9420	9341
55°	9726	9077	8986
60°	9383	8684	8638
65°	9019	8214	8158
70°	8396	7624	7661
75°	7642	6930	7064
80°	6526	6010	6405
85°	5132	5212	5629



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.5	3.0
10°-20°	288.4	8.6
20°-30°	437.1	13.0
30°-40°	527.6	15.7
40°-50°	551.0	16.4
50°-60°	506.2	15.0
60°-70°	400.3	11.9
70°-80°	253.3	7.5
80°-90°	108.9	3.2
90°-100°	47.9	1.4
100°-110°	42.9	1.3
110°-120°	36.2	1.1
120°-130°	28.2	0.8
130°-140°	19.5	0.6
140°-150°	11.7	0.3
150°-160°	5.7	0.2
160°-170°	2.0	0.1
170°-180°	0.3	0.0
0°-30°	826.0	24.5
0°-40°	1353.7	40.2
0°-60°	2410.9	71.6
0°-90°	3173.4	94.2
90°-120°	127.1	3.8
90°-150°	186.6	5.5
90°-180°	195.0	5.8
0°-180°	3368.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1060	1060	1060	1060	1060	
5°	1064	1061	1050	1059	1055	101
15°	1022	1022	1016	1027	1025	288
25°	939	944	945	957	956	433
35°	823	833	843	856	859	515
45°	682	699	717	731	735	527
55°	526	548	570	589	593	471
65°	362	382	409	428	435	357
75°	191	214	244	265	276	202
85°	46	72	103	125	132	51
90°	3	26	52	73	81	4
95°	1	22	48	67	74	0
105°	1	20	45	63	69	1
115°	1	17	41	57	63	1
125°	1	16	34	49	54	1
135°	1	12	27	39	44	1
145°	1	9	19	29	32	1
155°	1	6	12	18	22	1
165°	2	4	7	9	12	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°	1059.8	1059.8	1059.8	1059.8	1059.8
2.5°	1067.6	1064.0	1052.1	1060.4	1056.3
5°	1064.0	1061.0	1049.7	1058.7	1055.1
7.5°	1057.5	1055.1	1044.9	1054.5	1050.9
10°	1048.5	1046.7	1037.8	1047.3	1044.9
12.5°	1037.2	1036.6	1027.6	1038.4	1036.6
15°	1021.7	1021.7	1016.3	1027.0	1025.3
17.5°	1005.0	1005.6	1001.4	1012.7	1011.5
20°	984.7	987.7	984.7	996.6	995.4
22.5°	962.6	966.8	965.6	977.5	978.1
25°	939.4	943.5	944.7	957.3	955.5
27.5°	913.7	920.3	922.7	934.0	933.4
30°	883.9	892.8	898.2	907.8	910.7
32.5°	853.5	864.2	870.8	883.9	887.5
35°	823.1	832.6	843.3	856.5	859.4
37.5°	789.7	800.4	814.7	827.2	830.8
40°	756.3	768.2	781.9	795.6	801.0
42.5°	721.7	734.2	749.1	765.2	770.6
45°	682.3	699.0	716.9	730.6	735.4
47.5°	644.7	663.2	682.3	697.2	702.6
50°	606.6	626.2	646.5	660.2	668.6
52.5°	566.6	588.1	608.4	625.6	631.0
55°	526.0	547.5	570.2	588.7	592.8
57.5°	486.7	507.6	530.2	547.5	555.9
60°	443.7	466.4	490.9	508.2	517.1
62.5°	402.0	424.1	450.3	468.8	475.9
65°	362.0	382.3	409.1	428.2	434.8
67.5°	317.9	341.2	366.8	388.9	397.2
70°	274.4	296.4	325.6	346.5	354.9
72.5°	233.8	255.3	284.5	305.4	313.1
75°	190.9	213.5	244.5	265.4	275.5
77.5°	149.7	174.8	204.6	227.2	238.6
80°	111.5	133.6	165.8	190.9	201.0
82.5°	75.7	99.6	133.0	156.3	167.6
85°	46.5	71.6	102.6	124.7	132.4
87.5°	22.1	45.9	74.6	96.0	105.6
90°	3.0	25.6	52.5	73.4	81.1
92.5°	0.6	22.1	48.3	68.0	75.1
95°	0.6	22.1	47.7	66.8	74.0
97.5°	0.6	21.5	47.1	66.2	72.8
100°	0.6	20.9	46.5	65.0	72.2
102.5°	0.6	20.9	45.3	63.8	70.4
105°	0.6	20.3	44.7	62.6	69.2
107.5°	0.6	19.7	43.5	61.4	68.0
110°	0.6	18.5	42.9	59.6	66.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.6	17.9	41.7	58.4	64.4
115°	0.6	17.3	40.6	56.7	62.6
117.5°	0.6	16.7	38.8	54.9	60.8
120°	1.2	16.7	37.6	53.1	58.4
122.5°	1.2	16.1	35.8	50.7	56.1
125°	1.2	15.5	34.0	48.9	54.3
127.5°	1.2	14.9	32.2	46.5	51.3
130°	1.2	13.7	31.0	44.1	48.9
132.5°	1.2	13.1	29.2	41.2	45.9
135°	1.2	11.9	27.4	38.8	43.5
137.5°	1.2	11.3	25.6	36.4	40.6
140°	1.2	10.7	23.3	34.0	38.2
142.5°	1.2	9.5	21.5	31.6	35.2
145°	1.2	8.9	19.1	29.2	32.2
147.5°	1.2	7.8	17.3	26.8	29.8
150°	1.2	7.2	15.5	24.5	27.4
152.5°	1.2	6.6	13.7	21.5	24.5
155°	1.2	6.0	12.5	18.5	22.1
157.5°	1.2	5.4	10.7	16.1	19.7
160°	1.8	4.8	9.5	13.7	16.7
162.5°	1.8	4.2	7.8	11.3	14.9
165°	1.8	4.2	6.6	8.9	12.5
167.5°	1.8	3.6	5.4	7.2	10.1
170°	1.8	3.0	4.8	5.4	7.8
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)