

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: P566328

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566328
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-L840-CD
Description: 4FT 3700 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

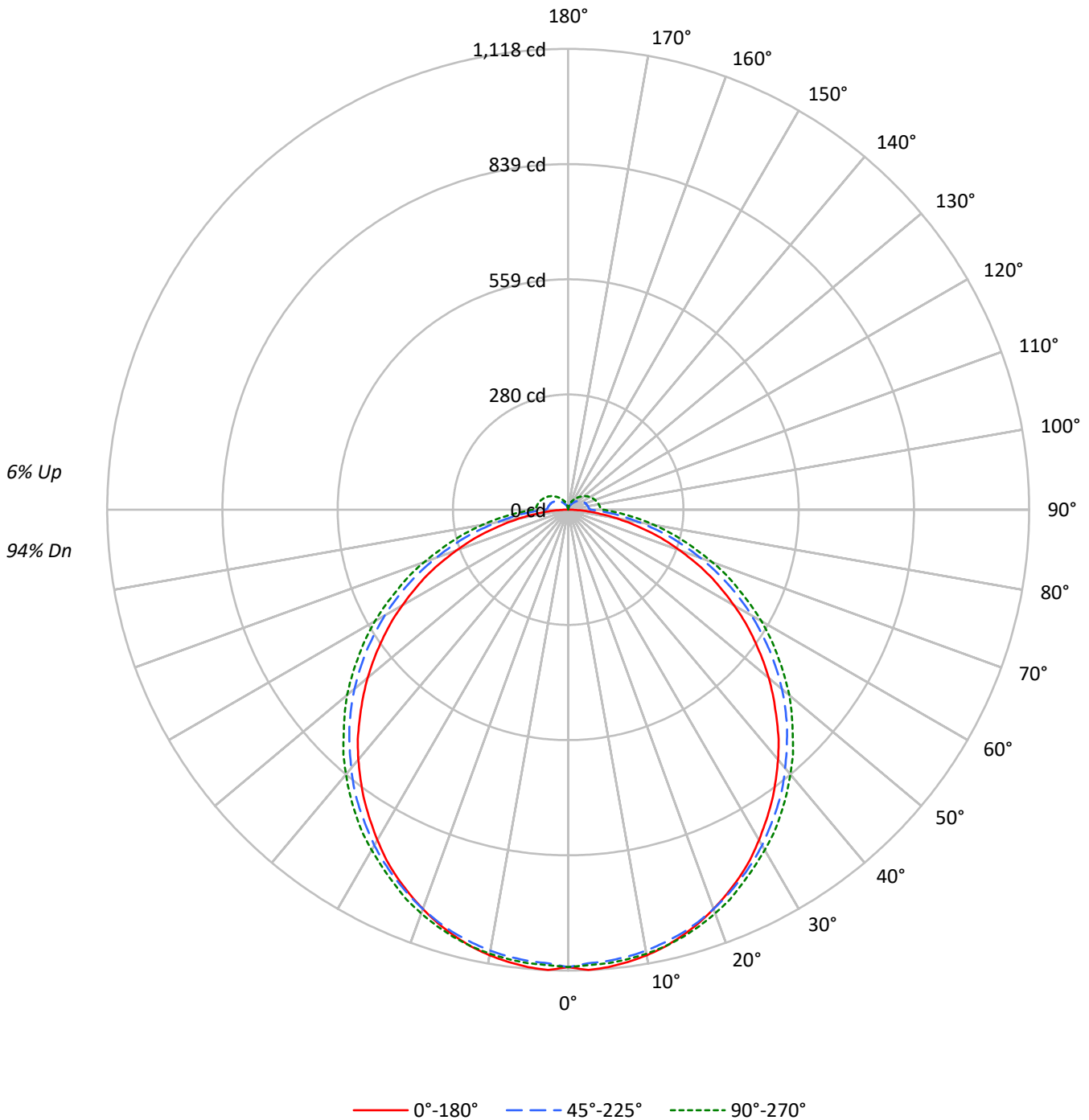
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3526.0 lumens
Efficiency: N/A
Efficacy: 146.9 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°	11944	11944	11944
5°	12025	11746	11764
10°	11976	11619	11616
15°	11886	11472	11450
20°	11764	11294	11254
25°	11623	11099	11023
30°	11433	10900	10811
35°	11241	10666	10588
40°	11028	10409	10338
45°	10761	10153	10046
50°	10503	9863	9780
55°	10183	9502	9409
60°	9825	9091	9044
65°	9442	8599	8541
70°	8787	7982	8019
75°	7998	7256	7397
80°	6836	6292	6705
85°	5375	5456	5892



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.2	3.0
10°-20°	302.0	8.6
20°-30°	457.6	13.0
30°-40°	552.4	15.7
40°-50°	576.8	16.4
50°-60°	530.0	15.0
60°-70°	419.1	11.9
70°-80°	265.2	7.5
80°-90°	114.0	3.2
90°-100°	50.2	1.4
100°-110°	44.9	1.3
110°-120°	37.9	1.1
120°-130°	29.6	0.8
130°-140°	20.5	0.6
140°-150°	12.3	0.3
150°-160°	6.0	0.2
160°-170°	2.1	0.1
170°-180°	0.3	0.0
0°-30°	864.8	24.5
0°-40°	1417.2	40.2
0°-60°	2524.0	71.6
0°-90°	3322.3	94.2
90°-120°	133.0	3.8
90°-150°	195.3	5.5
90°-180°	204.0	5.8
0°-180°	3526.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1110	1110	1110	1110	1110	
5°	1114	1111	1099	1108	1105	106
15°	1070	1070	1064	1075	1073	302
25°	983	988	989	1002	1000	453
35°	862	872	883	897	900	539
45°	714	732	750	765	770	552
55°	551	573	597	616	621	493
65°	379	400	428	448	455	373
75°	200	224	256	278	288	212
85°	49	75	107	130	139	54
90°	3	27	55	77	85	4
95°	1	23	50	70	77	0
105°	1	21	47	66	72	1
115°	1	18	42	59	66	1
125°	1	16	36	51	57	1
135°	1	12	29	41	46	1
145°	1	9	20	31	34	1
155°	1	6	13	19	23	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°	1109.6	1109.6	1109.6	1109.6	1109.6
2.5°	1117.7	1113.9	1101.4	1110.2	1105.8
5°	1113.9	1110.8	1099.0	1108.3	1104.6
7.5°	1107.1	1104.6	1094.0	1103.9	1100.2
10°	1097.7	1095.8	1086.5	1096.5	1094.0
12.5°	1085.8	1085.2	1075.8	1087.1	1085.2
15°	1069.6	1069.6	1064.0	1075.2	1073.4
17.5°	1052.1	1052.7	1048.4	1060.2	1059.0
20°	1030.9	1034.0	1030.9	1043.4	1042.1
22.5°	1007.8	1012.2	1010.9	1023.4	1024.0
25°	983.4	987.8	989.1	1002.2	1000.3
27.5°	956.6	963.5	966.0	977.8	977.2
30°	925.4	934.7	940.4	950.3	953.5
32.5°	893.5	904.8	911.6	925.4	929.1
35°	861.7	871.7	882.9	896.6	899.8
37.5°	826.7	838.0	852.9	866.0	869.8
40°	791.7	804.2	818.6	833.0	838.6
42.5°	755.5	768.6	784.3	801.1	806.7
45°	714.3	731.8	750.5	764.9	769.9
47.5°	675.0	694.3	714.3	729.9	735.5
50°	635.0	655.6	676.9	691.2	700.0
52.5°	593.2	615.7	636.9	655.0	660.6
55°	550.7	573.2	596.9	616.3	620.7
57.5°	509.5	531.4	555.1	573.2	581.9
60°	464.6	488.3	513.9	532.0	541.4
62.5°	420.8	444.0	471.4	490.8	498.3
65°	379.0	400.2	428.3	448.3	455.2
67.5°	332.8	357.2	384.0	407.1	415.9
70°	287.2	310.3	340.9	362.8	371.5
72.5°	244.8	267.2	297.8	319.7	327.8
75°	199.8	223.5	256.0	277.9	288.5
77.5°	156.7	183.0	214.2	237.9	249.8
80°	116.8	139.9	173.6	199.8	210.4
82.5°	79.3	104.3	139.2	163.6	175.5
85°	48.7	74.9	107.4	130.5	138.6
87.5°	23.1	48.1	78.1	100.5	110.5
90°	3.1	26.8	54.9	76.8	84.9
92.5°	0.6	23.1	50.6	71.2	78.7
95°	0.6	23.1	50.0	69.9	77.4
97.5°	0.6	22.5	49.3	69.3	76.2
100°	0.6	21.9	48.7	68.1	75.6
102.5°	0.6	21.9	47.5	66.8	73.7
105°	0.6	21.2	46.8	65.6	72.4
107.5°	0.6	20.6	45.6	64.3	71.2
110°	0.6	19.4	45.0	62.4	69.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.6	18.7	43.7	61.2	67.4
115°	0.6	18.1	42.5	59.3	65.6
117.5°	0.6	17.5	40.6	57.4	63.7
120°	1.2	17.5	39.3	55.6	61.2
122.5°	1.2	16.9	37.5	53.1	58.7
125°	1.2	16.2	35.6	51.2	56.8
127.5°	1.2	15.6	33.7	48.7	53.7
130°	1.2	14.4	32.5	46.2	51.2
132.5°	1.2	13.7	30.6	43.1	48.1
135°	1.2	12.5	28.7	40.6	45.6
137.5°	1.2	11.9	26.8	38.1	42.5
140°	1.2	11.2	24.4	35.6	40.0
142.5°	1.2	10.0	22.5	33.1	36.8
145°	1.2	9.4	20.0	30.6	33.7
147.5°	1.2	8.1	18.1	28.1	31.2
150°	1.2	7.5	16.2	25.6	28.7
152.5°	1.2	6.9	14.4	22.5	25.6
155°	1.2	6.2	13.1	19.4	23.1
157.5°	1.2	5.6	11.2	16.9	20.6
160°	1.9	5.0	10.0	14.4	17.5
162.5°	1.9	4.4	8.1	11.9	15.6
165°	1.9	4.4	6.9	9.4	13.1
167.5°	1.9	3.7	5.6	7.5	10.6
170°	1.9	3.1	5.0	5.6	8.1
172.5°	1.9	2.5	3.7	3.7	4.4
175°	1.9	2.5	3.1	3.1	1.9
177.5°	1.9	1.9	1.9	1.9	1.2
180°	1.9	1.9	1.9	1.9	1.9

(END OF REPORT)