

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: P566332

Luminaire Tested: **4SNX-37SL-FDL-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566332
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-L940-CD
Description: 4FT 3700 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

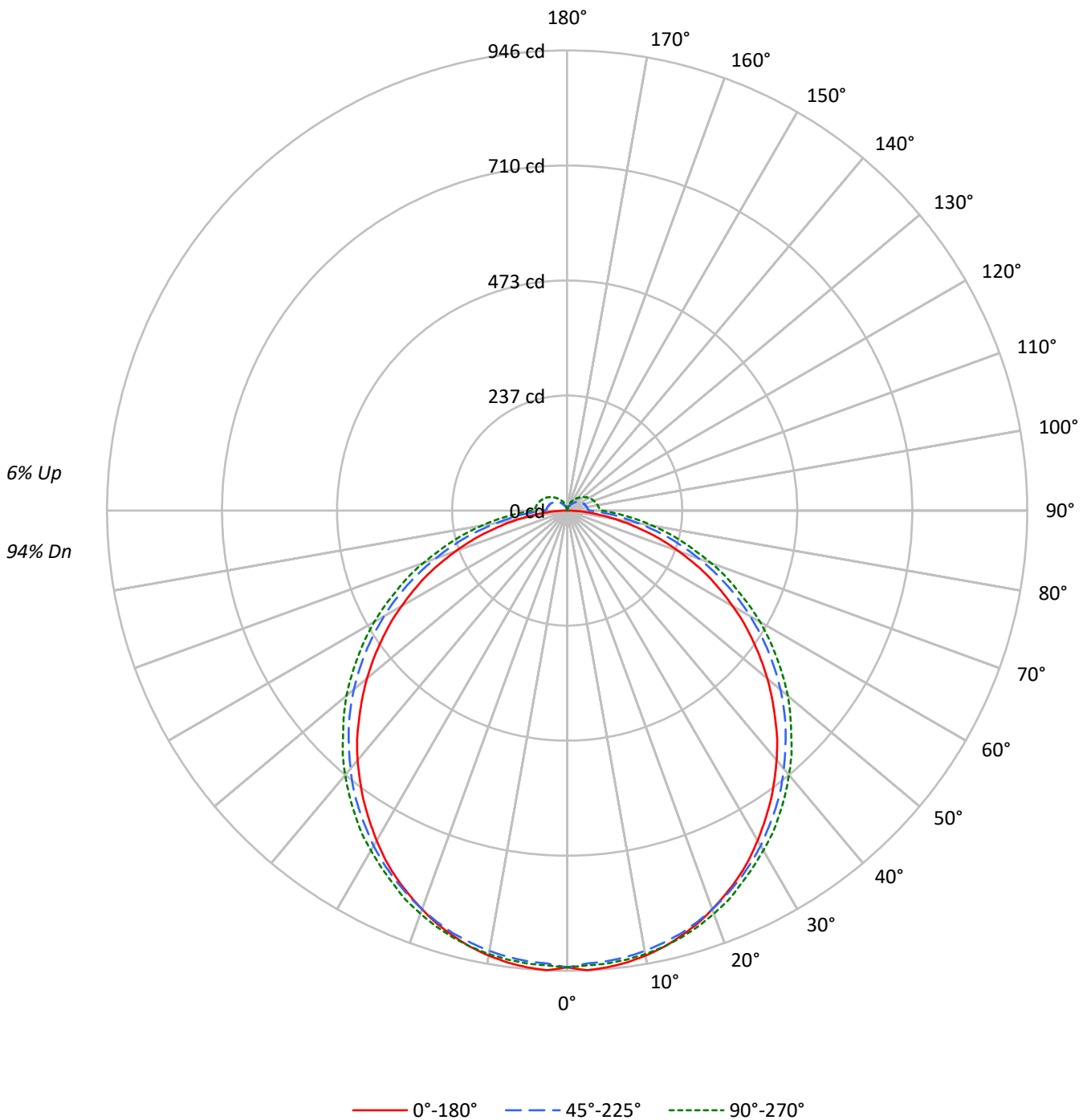
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2984.0 lumens
Efficiency: N/A
Efficacy: 124.3 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 (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	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°	10107	10107	10107
5°	10177	9940	9955
10°	10135	9833	9830
15°	10059	9708	9690
20°	9955	9558	9524
25°	9837	9392	9329
30°	9675	9224	9149
35°	9513	9027	8961
40°	9333	8809	8749
45°	9107	8593	8501
50°	8889	8346	8276
55°	8619	8043	7963
60°	8313	7694	7653
65°	7992	7278	7228
70°	7438	6755	6787
75°	6769	6142	6259
80°	5783	5325	5675
85°	4547	4618	4987



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.1	3.0
10°-20°	255.5	8.6
20°-30°	387.3	13.0
30°-40°	467.5	15.7
40°-50°	488.2	16.4
50°-60°	448.5	15.0
60°-70°	354.6	11.9
70°-80°	224.5	7.5
80°-90°	96.5	3.2
90°-100°	42.5	1.4
100°-110°	38.0	1.3
110°-120°	32.1	1.1
120°-130°	25.0	0.8
130°-140°	17.3	0.6
140°-150°	10.4	0.3
150°-160°	5.1	0.2
160°-170°	1.8	0.1
170°-180°	0.3	0.0
0°-30°	731.9	24.5
0°-40°	1199.3	40.2
0°-60°	2136.0	71.6
0°-90°	2811.6	94.2
90°-120°	112.6	3.8
90°-150°	165.3	5.5
90°-180°	172.0	5.8
0°-180°	2984.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	939	939	939	939	939	
5°	943	940	930	938	935	90
15°	905	905	900	910	908	255
25°	832	836	837	848	846	383
35°	729	738	747	759	762	456
45°	604	619	635	647	652	467
55°	466	485	505	522	525	417
65°	321	339	362	379	385	316
75°	169	189	217	235	244	179
85°	41	63	91	110	117	46
90°	3	23	46	65	72	3
95°	0	20	42	59	66	0
105°	0	18	40	56	61	1
115°	0	15	36	50	56	1
125°	1	14	30	43	48	1
135°	1	11	24	34	39	1
145°	1	8	17	26	28	1
155°	1	5	11	16	20	1
165°	2	4	6	8	11	0
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°	939.0	939.0	939.0	939.0	939.0
2.5°	945.9	942.7	932.1	939.5	935.8
5°	942.7	940.1	930.0	938.0	934.8
7.5°	936.9	934.8	925.8	934.3	931.1
10°	929.0	927.4	919.5	927.9	925.8
12.5°	918.9	918.4	910.5	920.0	918.4
15°	905.2	905.2	900.4	909.9	908.4
17.5°	890.4	890.9	887.2	897.3	896.2
20°	872.4	875.1	872.4	883.0	881.9
22.5°	852.9	856.6	855.5	866.1	866.6
25°	832.3	836.0	837.0	848.1	846.5
27.5°	809.5	815.4	817.5	827.5	827.0
30°	783.1	791.1	795.8	804.3	806.9
32.5°	756.2	765.7	771.5	783.1	786.3
35°	729.2	737.7	747.2	758.8	761.5
37.5°	699.6	709.1	721.8	732.9	736.1
40°	670.0	680.6	692.8	704.9	709.7
42.5°	639.4	650.5	663.7	678.0	682.7
45°	604.5	619.3	635.2	647.3	651.5
47.5°	571.2	587.6	604.5	617.7	622.5
50°	537.4	554.8	572.8	585.0	592.4
52.5°	502.0	521.0	539.0	554.3	559.1
55°	466.1	485.1	505.2	521.6	525.3
57.5°	431.2	449.7	469.8	485.1	492.5
60°	393.1	413.2	434.9	450.2	458.1
62.5°	356.2	375.7	399.0	415.3	421.7
65°	320.8	338.7	362.5	379.4	385.2
67.5°	281.6	302.3	325.0	344.5	351.9
70°	243.1	262.6	288.5	307.0	314.4
72.5°	207.1	226.2	252.1	270.6	277.4
75°	169.1	189.2	216.7	235.1	244.1
77.5°	132.6	154.8	181.2	201.3	211.4
80°	98.8	118.4	146.9	169.1	178.1
82.5°	67.1	88.2	117.8	138.4	148.5
85°	41.2	63.4	90.9	110.4	117.3
87.5°	19.6	40.7	66.1	85.1	93.5
90°	2.6	22.7	46.5	65.0	71.9
92.5°	0.5	19.6	42.8	60.2	66.6
95°	0.5	19.6	42.3	59.2	65.5
97.5°	0.5	19.0	41.7	58.7	64.5
100°	0.5	18.5	41.2	57.6	63.9
102.5°	0.5	18.5	40.2	56.5	62.4
105°	0.5	18.0	39.6	55.5	61.3
107.5°	0.5	17.4	38.6	54.4	60.2
110°	0.5	16.4	38.0	52.8	58.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.5	15.9	37.0	51.8	57.1
115°	0.5	15.3	35.9	50.2	55.5
117.5°	0.5	14.8	34.3	48.6	53.9
120°	1.1	14.8	33.3	47.0	51.8
122.5°	1.1	14.3	31.7	44.9	49.7
125°	1.1	13.7	30.1	43.3	48.1
127.5°	1.1	13.2	28.5	41.2	45.4
130°	1.1	12.2	27.5	39.1	43.3
132.5°	1.1	11.6	25.9	36.5	40.7
135°	1.1	10.6	24.3	34.3	38.6
137.5°	1.1	10.0	22.7	32.2	35.9
140°	1.1	9.5	20.6	30.1	33.8
142.5°	1.1	8.5	19.0	28.0	31.2
145°	1.1	7.9	16.9	25.9	28.5
147.5°	1.1	6.9	15.3	23.8	26.4
150°	1.1	6.3	13.7	21.7	24.3
152.5°	1.1	5.8	12.2	19.0	21.7
155°	1.1	5.3	11.1	16.4	19.6
157.5°	1.1	4.8	9.5	14.3	17.4
160°	1.6	4.2	8.5	12.2	14.8
162.5°	1.6	3.7	6.9	10.0	13.2
165°	1.6	3.7	5.8	7.9	11.1
167.5°	1.6	3.2	4.8	6.3	9.0
170°	1.6	2.6	4.2	4.8	6.9
172.5°	1.6	2.1	3.2	3.2	3.7
175°	1.6	2.1	2.6	2.6	1.6
177.5°	1.6	1.6	1.6	1.6	1.1
180°	1.6	1.6	1.6	1.6	1.6

(END OF REPORT)