

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: P566331

Luminaire Tested: **4SNX-37SL-FDL-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566331
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-L935-CD
Description: 4FT 3700 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

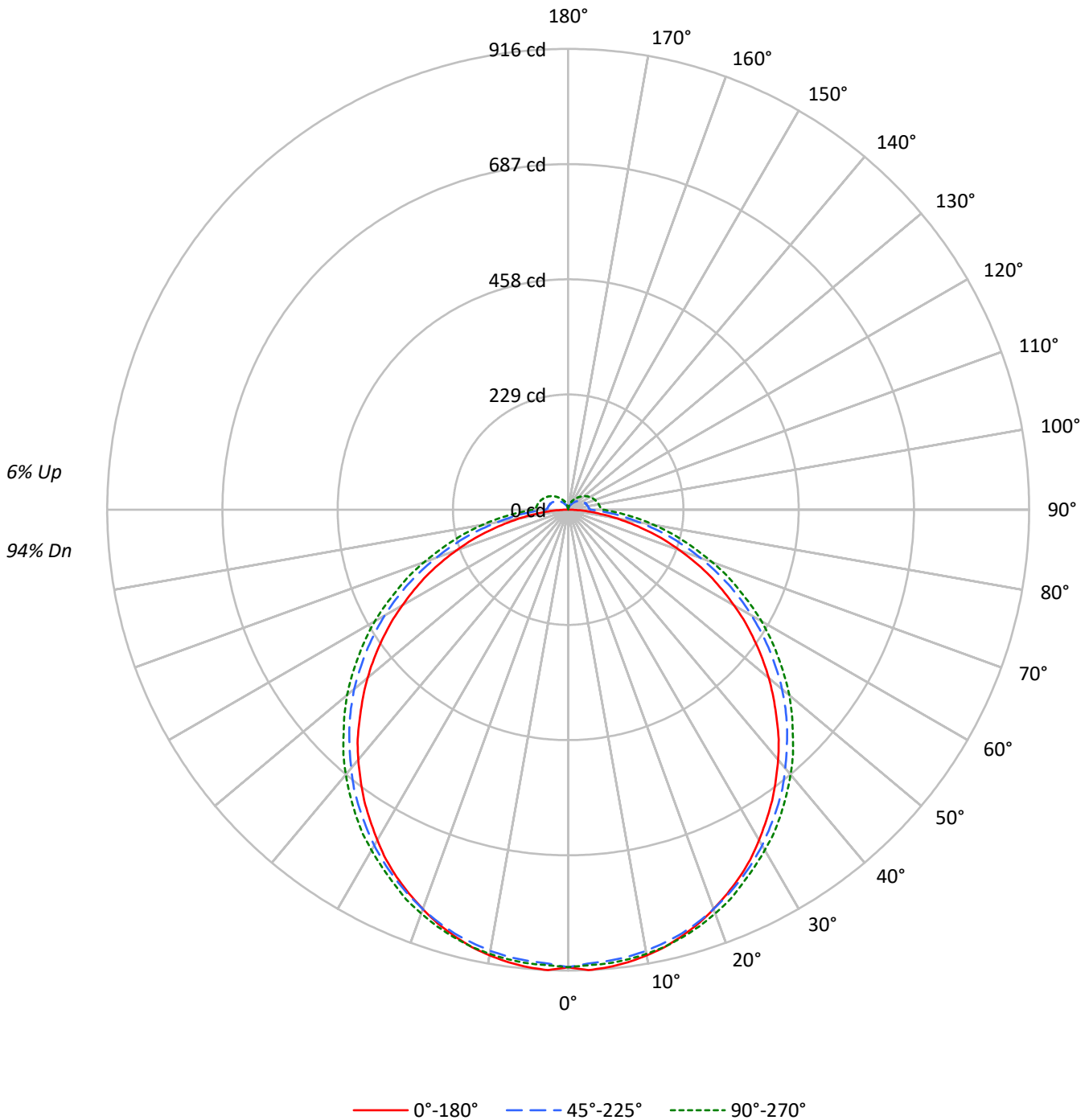
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2890.0 lumens
Efficiency: N/A
Efficacy: 120.4 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	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°	9789	9789	9789
5°	9856	9627	9641
10°	9816	9523	9520
15°	9742	9403	9384
20°	9642	9256	9225
25°	9526	9097	9035
30°	9371	8933	8861
35°	9214	8743	8678
40°	9039	8531	8473
45°	8821	8323	8233
50°	8609	8084	8015
55°	8347	7789	7711
60°	8053	7451	7412
65°	7738	7049	7001
70°	7202	6542	6573
75°	6557	5946	6061
80°	5601	5158	5497
85°	4403	4470	4830



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.2	3.0
10°-20°	247.5	8.6
20°-30°	375.1	13.0
30°-40°	452.8	15.7
40°-50°	472.8	16.4
50°-60°	434.4	15.0
60°-70°	343.5	11.9
70°-80°	217.4	7.5
80°-90°	93.4	3.2
90°-100°	41.1	1.4
100°-110°	36.8	1.3
110°-120°	31.1	1.1
120°-130°	24.2	0.8
130°-140°	16.8	0.6
140°-150°	10.1	0.3
150°-160°	4.9	0.2
160°-170°	1.7	0.1
170°-180°	0.3	0.0
0°-30°	708.8	24.5
0°-40°	1161.6	40.2
0°-60°	2068.7	71.6
0°-90°	2723.0	94.2
90°-120°	109.0	3.8
90°-150°	160.1	5.5
90°-180°	167.0	5.8
0°-180°	2890.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	909	909	909	909	909	
5°	913	910	901	908	905	87
15°	877	877	872	881	880	247
25°	806	810	811	821	820	371
35°	706	714	724	735	738	442
45°	586	600	615	627	631	452
55°	451	470	489	505	509	404
65°	311	328	351	368	373	306
75°	164	183	210	228	236	174
85°	40	61	88	107	114	44
90°	3	22	45	63	70	3
95°	0	19	41	57	64	0
105°	0	17	38	54	59	1
115°	0	15	35	49	54	1
125°	1	13	29	42	47	1
135°	1	10	24	33	37	1
145°	1	8	16	25	28	1
155°	1	5	11	16	19	0
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°	909.4	909.4	909.4	909.4	909.4
2.5°	916.1	913.0	902.8	909.9	906.4
5°	913.0	910.5	900.7	908.4	905.3
7.5°	907.4	905.3	896.6	904.8	901.8
10°	899.7	898.2	890.5	898.7	896.6
12.5°	890.0	889.5	881.8	891.0	889.5
15°	876.7	876.7	872.1	881.3	879.7
17.5°	862.3	862.9	859.3	869.0	868.0
20°	844.9	847.5	844.9	855.2	854.2
22.5°	826.0	829.6	828.6	838.8	839.3
25°	806.0	809.6	810.7	821.4	819.9
27.5°	784.0	789.7	791.7	801.4	800.9
30°	758.5	766.1	770.7	778.9	781.5
32.5°	732.4	741.6	747.2	758.5	761.5
35°	706.3	714.4	723.7	734.9	737.5
37.5°	677.6	686.8	699.1	709.8	712.9
40°	648.9	659.2	670.9	682.7	687.3
42.5°	619.3	630.0	642.8	656.6	661.2
45°	585.5	599.8	615.2	626.9	631.0
47.5°	553.2	569.1	585.5	598.3	602.9
50°	520.5	537.4	554.8	566.5	573.7
52.5°	486.2	504.6	522.0	536.9	541.5
55°	451.4	469.8	489.3	505.1	508.7
57.5°	417.6	435.5	455.0	469.8	477.0
60°	380.8	400.2	421.2	436.0	443.7
62.5°	344.9	363.9	386.4	402.3	408.4
65°	310.6	328.0	351.1	367.5	373.1
67.5°	272.8	292.7	314.7	333.7	340.8
70°	235.4	254.4	279.4	297.3	304.5
72.5°	200.6	219.0	244.1	262.0	268.7
75°	163.8	183.2	209.8	227.7	236.4
77.5°	128.5	150.0	175.5	195.0	204.7
80°	95.7	114.6	142.3	163.8	172.5
82.5°	65.0	85.5	114.1	134.1	143.8
85°	39.9	61.4	88.0	107.0	113.6
87.5°	18.9	39.4	64.0	82.4	90.6
90°	2.6	22.0	45.0	62.9	69.6
92.5°	0.5	18.9	41.5	58.3	64.5
95°	0.5	18.9	40.9	57.3	63.5
97.5°	0.5	18.4	40.4	56.8	62.4
100°	0.5	17.9	39.9	55.8	61.9
102.5°	0.5	17.9	38.9	54.8	60.4
105°	0.5	17.4	38.4	53.7	59.4
107.5°	0.5	16.9	37.4	52.7	58.3
110°	0.5	15.9	36.8	51.2	56.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.5	15.4	35.8	50.2	55.3
115°	0.5	14.8	34.8	48.6	53.7
117.5°	0.5	14.3	33.3	47.1	52.2
120°	1.0	14.3	32.2	45.5	50.2
122.5°	1.0	13.8	30.7	43.5	48.1
125°	1.0	13.3	29.2	42.0	46.6
127.5°	1.0	12.8	27.6	39.9	44.0
130°	1.0	11.8	26.6	37.9	42.0
132.5°	1.0	11.3	25.1	35.3	39.4
135°	1.0	10.2	23.5	33.3	37.4
137.5°	1.0	9.7	22.0	31.2	34.8
140°	1.0	9.2	20.0	29.2	32.8
142.5°	1.0	8.2	18.4	27.1	30.2
145°	1.0	7.7	16.4	25.1	27.6
147.5°	1.0	6.7	14.8	23.0	25.6
150°	1.0	6.1	13.3	21.0	23.5
152.5°	1.0	5.6	11.8	18.4	21.0
155°	1.0	5.1	10.7	15.9	18.9
157.5°	1.0	4.6	9.2	13.8	16.9
160°	1.5	4.1	8.2	11.8	14.3
162.5°	1.5	3.6	6.7	9.7	12.8
165°	1.5	3.6	5.6	7.7	10.7
167.5°	1.5	3.1	4.6	6.1	8.7
170°	1.5	2.6	4.1	4.6	6.7
172.5°	1.5	2.0	3.1	3.1	3.6
175°	1.5	2.0	2.6	2.6	1.5
177.5°	1.5	1.5	1.5	1.5	1.0
180°	1.5	1.5	1.5	1.5	1.5

(END OF REPORT)