

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: P566362

Luminaire Tested: **4SNX-37SL-SLW-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566362
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-L930-CD
Description: 4FT 3700 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

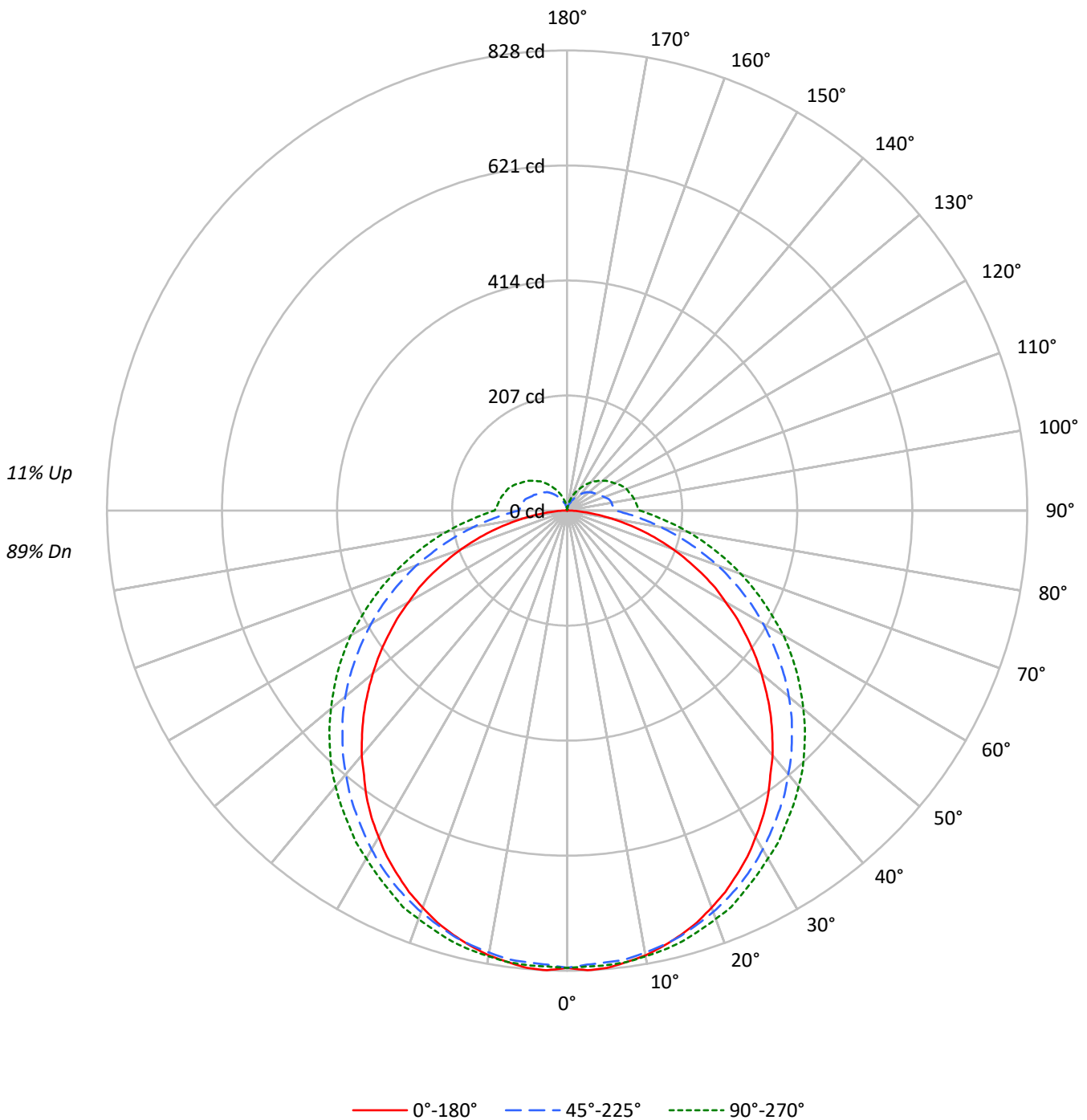
Lumens per Lamp: N/A
Luminaire Lumens: 2929.0 lumens
Efficiency: N/A
Efficacy: 122.0 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')
CIE Type: Semi-Direct

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

TEST NUMBER: P566362

CATALOG NUMBER: 4SNX-37SL-SLW-UNV-L930-CD

Luminous Intensity Polar Plot





TEST NUMBER: P566362

CATALOG NUMBER: 4SNX-37SL-SLW-UNV-L930-CD

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	77	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°	8857	8857	8857
5°	8911	8629	8622
10°	8849	8454	8408
15°	8760	8275	8211
20°	8640	8070	7992
25°	8501	7869	7764
30°	8335	7649	7538
35°	8152	7420	7325
40°	7943	7195	7121
45°	7716	6965	6902
50°	7457	6723	6655
55°	7174	6432	6414
60°	6839	6120	6145
65°	6494	5771	5805
70°	6011	5386	5472
75°	5369	4896	5104
80°	4326	4398	4741
85°	3045	3970	4368



TEST NUMBER: P566362

CATALOG NUMBER: 4SNX-37SL-SLW-UNV-L930-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.2	2.7
10°-20°	224.6	7.7
20°-30°	341.5	11.7
30°-40°	414.6	14.2
40°-50°	438.1	15.0
50°-60°	410.0	14.0
60°-70°	336.4	11.5
70°-80°	231.4	7.9
80°-90°	126.7	4.3
90°-100°	81.6	2.8
100°-110°	73.2	2.5
110°-120°	60.6	2.1
120°-130°	46.7	1.6
130°-140°	32.8	1.1
140°-150°	19.8	0.7
150°-160°	9.5	0.3
160°-170°	3.1	0.1
170°-180°	0.4	0.0
0°-30°	644.3	22.0
0°-40°	1058.9	36.2
0°-60°	1907.0	65.1
0°-90°	2601.4	88.8
90°-120°	215.4	7.4
90°-150°	314.6	10.7
90°-180°	328.0	11.2
0°-180°	2929.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	823	823	823	823	823	
5°	826	824	816	823	821	78
15°	790	794	792	802	802	223
25°	723	731	740	755	755	333
35°	629	645	663	682	687	393
45°	517	541	572	597	604	399
55°	394	426	465	494	504	352
65°	266	302	348	380	390	264
75°	139	176	227	263	275	146
85°	30	73	124	158	170	35
90°	0	41	86	119	131	2
95°	0	39	83	114	126	0
105°	0	32	78	107	117	1
115°	2	29	66	95	107	2
125°	2	24	56	81	92	2
135°	2	19	46	66	75	1
145°	2	14	32	51	56	1
155°	2	8	20	32	37	1
165°	2	5	10	15	19	0
175°	2	2	3	3	2	0
180°	2	2	2	2	2	



TEST NUMBER: P566362

CATALOG NUMBER: 4SNX-37SL-SLW-UNV-L930-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	822.8	822.8	822.8	822.8	822.8
2.5°	827.9	826.2	817.7	824.5	821.1
5°	826.2	824.5	816.0	822.8	821.1
7.5°	819.4	819.4	814.3	821.1	819.4
10°	812.6	812.6	807.5	816.0	814.3
12.5°	802.4	804.1	800.7	810.9	809.2
15°	790.5	793.9	792.2	802.4	802.4
17.5°	777.0	780.4	780.4	792.2	792.2
20°	760.0	765.1	768.5	782.0	782.0
22.5°	743.0	749.8	754.9	766.8	771.9
25°	722.7	731.2	739.6	754.9	754.9
27.5°	702.3	712.5	722.7	737.9	739.6
30°	678.6	690.4	704.0	719.3	722.7
32.5°	654.8	670.1	683.7	702.3	707.4
35°	629.4	644.6	663.3	682.0	687.0
37.5°	600.5	619.2	642.9	663.3	668.4
40°	575.1	595.4	619.2	642.9	648.0
42.5°	546.2	568.3	597.1	619.2	627.7
45°	517.4	541.2	571.7	597.1	603.9
47.5°	486.9	514.0	547.9	571.7	580.2
50°	456.3	485.2	520.8	547.9	554.7
52.5°	425.8	456.3	493.7	520.8	529.3
55°	393.6	425.8	464.8	493.7	503.8
57.5°	363.0	395.3	436.0	466.5	476.7
60°	329.1	366.4	407.1	437.7	449.6
62.5°	300.3	334.2	378.3	408.8	419.0
65°	266.3	302.0	347.8	380.0	390.2
67.5°	234.1	271.4	317.2	351.2	361.3
70°	201.9	239.2	288.4	320.6	332.5
72.5°	169.6	208.7	256.2	291.8	303.7
75°	139.1	176.4	227.3	262.9	274.8
77.5°	106.9	147.6	198.5	234.1	247.7
80°	78.0	120.4	171.3	207.0	220.5
82.5°	52.6	95.0	145.9	181.5	195.1
85°	30.5	72.9	123.8	157.8	169.6
87.5°	15.3	56.0	103.5	137.4	149.3
90°	0.0	40.7	86.5	118.7	130.6
92.5°	0.0	39.0	84.8	115.4	127.2
95°	0.0	39.0	83.1	113.7	125.5
97.5°	0.0	37.3	81.4	113.7	123.8
100°	0.0	35.6	81.4	112.0	122.1
102.5°	0.0	33.9	79.7	110.3	120.4
105°	0.0	32.2	78.0	106.9	117.1
107.5°	1.7	32.2	74.6	105.2	115.4
110°	1.7	30.5	71.2	103.5	113.7



TEST NUMBER: P566362

CATALOG NUMBER: 4SNX-37SL-SLW-UNV-L930-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.7	28.8	67.9	100.1	110.3
115°	1.7	28.8	66.2	95.0	106.9
117.5°	1.7	27.1	62.8	91.6	103.5
120°	1.7	27.1	61.1	88.2	98.4
122.5°	1.7	25.4	57.7	84.8	95.0
125°	1.7	23.7	56.0	81.4	91.6
127.5°	1.7	22.1	54.3	78.0	88.2
130°	1.7	20.4	50.9	74.6	83.1
132.5°	1.7	20.4	49.2	69.6	79.7
135°	1.7	18.7	45.8	66.2	74.6
137.5°	1.7	17.0	42.4	62.8	71.2
140°	1.7	15.3	39.0	59.4	66.2
142.5°	1.7	15.3	35.6	54.3	61.1
145°	1.7	13.6	32.2	50.9	56.0
147.5°	1.7	11.9	28.8	45.8	50.9
150°	1.7	11.9	25.4	40.7	45.8
152.5°	1.7	10.2	22.1	37.3	42.4
155°	1.7	8.5	20.4	32.2	37.3
157.5°	1.7	8.5	17.0	27.1	32.2
160°	1.7	6.8	15.3	22.1	27.1
162.5°	1.7	6.8	13.6	18.7	23.7
165°	1.7	5.1	10.2	15.3	18.7
167.5°	1.7	5.1	8.5	11.9	15.3
170°	1.7	3.4	6.8	8.5	11.9
172.5°	1.7	3.4	5.1	5.1	5.1
175°	1.7	1.7	3.4	3.4	1.7
177.5°	1.7	1.7	1.7	1.7	1.7
180°	1.7	1.7	1.7	1.7	1.7

(END OF REPORT)