

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: P566402

Luminaire Tested: **4SNX-41SL-LW-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566402
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-41SL-LW-UNV-L930-CD
Description: 4FT 4100 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

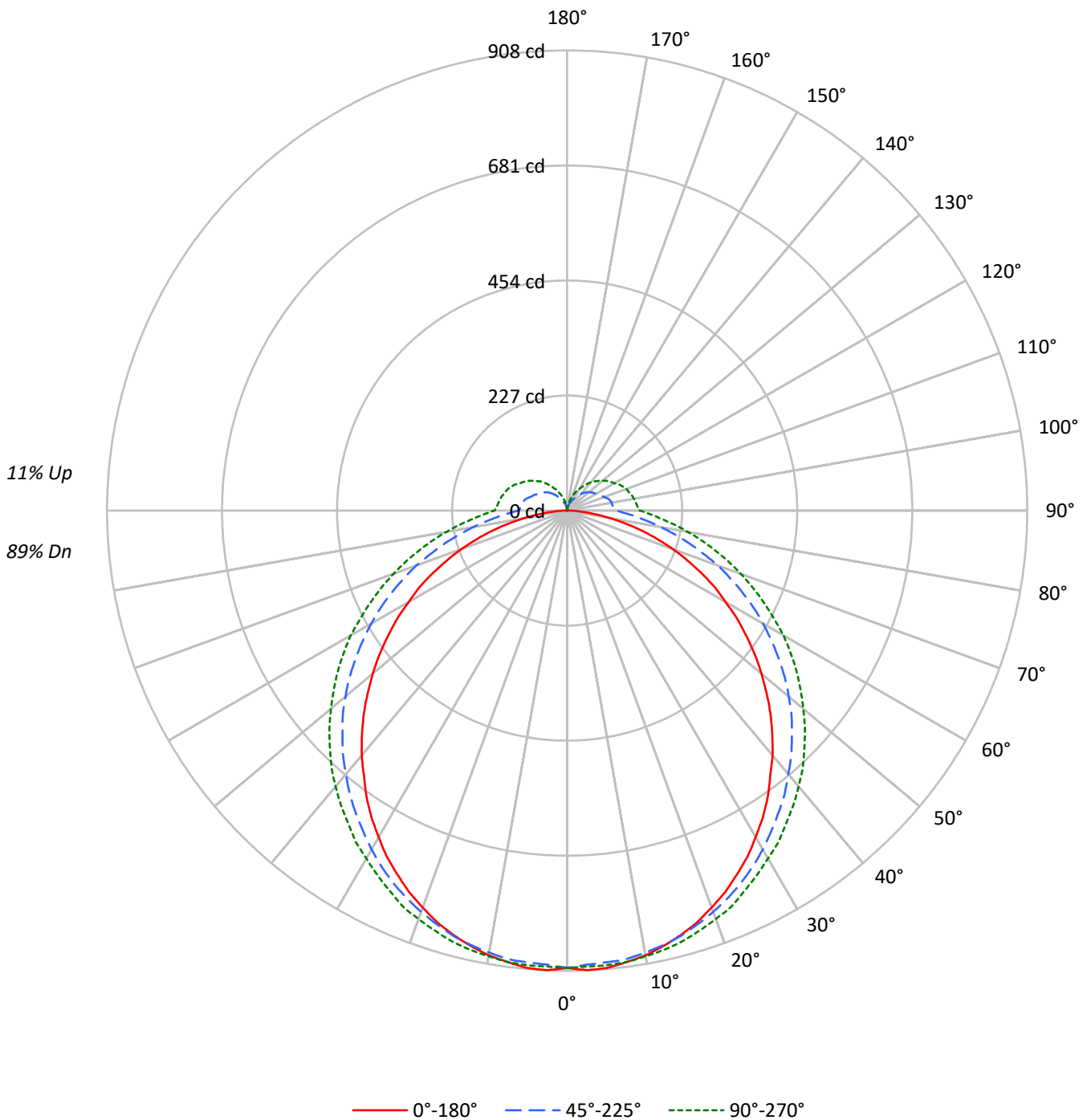
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3212.0 lumens
Efficiency: N/A
Efficacy: 122.1 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: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 26.3
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	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	76	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°	9712	9712	9712
5°	9754	9262	9193
10°	9669	8893	8734
15°	9554	8536	8319
20°	9404	8164	7905
25°	9233	7809	7500
30°	9031	7443	7112
35°	8812	7076	6749
40°	8563	6718	6403
45°	8292	6358	6049
50°	7983	5989	5676
55°	7645	5576	5311
60°	7246	5147	4926
65°	6829	4683	4486
70°	6252	4189	4052
75°	5489	3613	3594
80°	4292	3033	3135
85°	2803	2494	2665



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.7	2.7
10°-20°	246.3	7.7
20°-30°	374.5	11.7
30°-40°	454.7	14.2
40°-50°	480.4	15.0
50°-60°	449.6	14.0
60°-70°	368.9	11.5
70°-80°	253.7	7.9
80°-90°	139.0	4.3
90°-100°	89.5	2.8
100°-110°	80.3	2.5
110°-120°	66.5	2.1
120°-130°	51.2	1.6
130°-140°	36.0	1.1
140°-150°	21.7	0.7
150°-160°	10.4	0.3
160°-170°	3.4	0.1
170°-180°	0.4	0.0
0°-30°	706.6	22.0
0°-40°	1161.2	36.2
0°-60°	2091.2	65.1
0°-90°	2852.8	88.8
90°-120°	236.2	7.4
90°-150°	345.0	10.7
90°-180°	359.0	11.2
0°-180°	3212.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	902	902	902	902	902	
5°	906	904	895	902	900	86
15°	867	871	869	880	880	244
25°	792	802	811	828	828	365
35°	690	707	727	748	753	431
45°	567	593	627	655	662	437
55°	432	467	510	541	552	386
65°	292	331	381	417	428	289
75°	152	194	249	288	301	161
85°	34	80	136	173	186	39
90°	0	45	95	130	143	2
95°	0	43	91	125	138	0
105°	0	35	86	117	128	1
115°	2	32	73	104	117	2
125°	2	26	61	89	100	2
135°	2	20	50	73	82	1
145°	2	15	35	56	61	1
155°	2	9	22	35	41	1
165°	2	6	11	17	20	1
175°	2	2	4	4	2	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	902.3	902.3	902.3	902.3	902.3
2.5°	907.8	906.0	896.7	904.1	900.4
5°	906.0	904.1	894.8	902.3	900.4
7.5°	898.5	898.5	893.0	900.4	898.5
10°	891.1	891.1	885.5	894.8	893.0
12.5°	879.9	881.8	878.1	889.2	887.4
15°	866.9	870.6	868.8	879.9	879.9
17.5°	852.0	855.8	855.8	868.8	868.8
20°	833.4	839.0	842.7	857.6	857.6
22.5°	814.8	822.3	827.8	840.9	846.4
25°	792.5	801.8	811.1	827.8	827.8
27.5°	770.2	781.3	792.5	809.2	811.1
30°	744.1	757.2	772.0	788.8	792.5
32.5°	718.1	734.8	749.7	770.2	775.8
35°	690.2	706.9	727.4	747.9	753.4
37.5°	658.6	679.0	705.1	727.4	733.0
40°	630.7	653.0	679.0	705.1	710.6
42.5°	599.0	623.2	654.8	679.0	688.3
45°	567.4	593.4	626.9	654.8	662.3
47.5°	533.9	563.7	600.9	626.9	636.2
50°	500.4	532.1	571.1	600.9	608.3
52.5°	466.9	500.4	541.4	571.1	580.4
55°	431.6	466.9	509.7	541.4	552.5
57.5°	398.1	433.5	478.1	511.6	522.8
60°	360.9	401.8	446.5	480.0	493.0
62.5°	329.3	366.5	414.9	448.3	459.5
65°	292.1	331.1	381.4	416.7	427.9
67.5°	256.7	297.7	347.9	385.1	396.2
70°	221.4	262.3	316.3	351.6	364.6
72.5°	186.0	228.8	280.9	320.0	333.0
75°	152.5	193.5	249.3	288.4	301.4
77.5°	117.2	161.8	217.7	256.7	271.6
80°	85.6	132.1	187.9	227.0	241.8
82.5°	57.7	104.2	160.0	199.1	213.9
85°	33.5	80.0	135.8	173.0	186.0
87.5°	16.7	61.4	113.5	150.7	163.7
90°	0.0	44.6	94.9	130.2	143.2
92.5°	0.0	42.8	93.0	126.5	139.5
95°	0.0	42.8	91.2	124.6	137.7
97.5°	0.0	40.9	89.3	124.6	135.8
100°	0.0	39.1	89.3	122.8	133.9
102.5°	0.0	37.2	87.4	120.9	132.1
105°	0.0	35.3	85.6	117.2	128.4
107.5°	1.9	35.3	81.9	115.3	126.5
110°	1.9	33.5	78.1	113.5	124.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.9	31.6	74.4	109.8	120.9
115°	1.9	31.6	72.6	104.2	117.2
117.5°	1.9	29.8	68.8	100.5	113.5
120°	1.9	29.8	67.0	96.7	107.9
122.5°	1.9	27.9	63.3	93.0	104.2
125°	1.9	26.0	61.4	89.3	100.5
127.5°	1.9	24.2	59.5	85.6	96.7
130°	1.9	22.3	55.8	81.9	91.2
132.5°	1.9	22.3	53.9	76.3	87.4
135°	1.9	20.5	50.2	72.6	81.9
137.5°	1.9	18.6	46.5	68.8	78.1
140°	1.9	16.7	42.8	65.1	72.6
142.5°	1.9	16.7	39.1	59.5	67.0
145°	1.9	14.9	35.3	55.8	61.4
147.5°	1.9	13.0	31.6	50.2	55.8
150°	1.9	13.0	27.9	44.6	50.2
152.5°	1.9	11.2	24.2	40.9	46.5
155°	1.9	9.3	22.3	35.3	40.9
157.5°	1.9	9.3	18.6	29.8	35.3
160°	1.9	7.4	16.7	24.2	29.8
162.5°	1.9	7.4	14.9	20.5	26.0
165°	1.9	5.6	11.2	16.7	20.5
167.5°	1.9	5.6	9.3	13.0	16.7
170°	1.9	3.7	7.4	9.3	13.0
172.5°	1.9	3.7	5.6	5.6	5.6
175°	1.9	1.9	3.7	3.7	1.9
177.5°	1.9	1.9	1.9	1.9	1.9
180°	1.9	1.9	1.9	1.9	1.9

(END OF REPORT)