

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: P566380

Luminaire Tested: **4SNX-41SL-FDL-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566380
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-41SL-FDL-UNV-L940-CD
Description: 4FT 4100 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

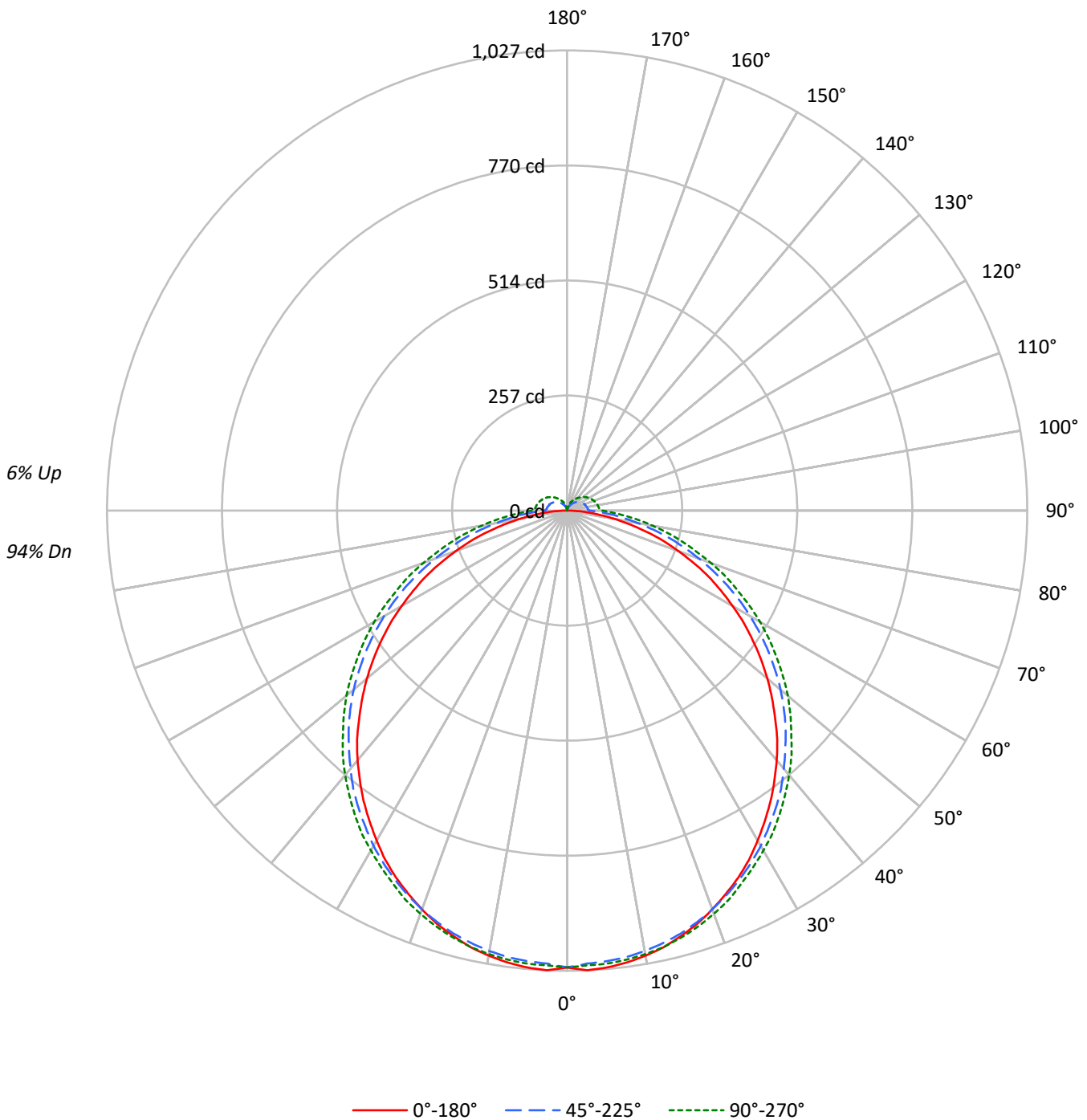
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3240.0 lumens
Efficiency: N/A
Efficacy: 123.2 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): 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	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°	10975	10975	10975
5°	11050	10793	10809
10°	11005	10676	10673
15°	10921	10541	10521
20°	10810	10378	10342
25°	10681	10198	10130
30°	10505	10016	9933
35°	10329	9801	9729
40°	10134	9564	9499
45°	9889	9331	9230
50°	9651	9063	8986
55°	9358	8732	8645
60°	9027	8354	8309
65°	8677	7903	7849
70°	8074	7336	7370
75°	7350	6666	6797
80°	6280	5781	6163
85°	4944	5014	5416



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.7	3.0
10°-20°	277.5	8.6
20°-30°	420.5	13.0
30°-40°	507.6	15.7
40°-50°	530.1	16.4
50°-60°	487.0	15.0
60°-70°	385.1	11.9
70°-80°	243.7	7.5
80°-90°	104.8	3.2
90°-100°	46.1	1.4
100°-110°	41.3	1.3
110°-120°	34.9	1.1
120°-130°	27.2	0.8
130°-140°	18.8	0.6
140°-150°	11.3	0.3
150°-160°	5.5	0.2
160°-170°	1.9	0.1
170°-180°	0.3	0.0
0°-30°	794.6	24.5
0°-40°	1302.2	40.2
0°-60°	2319.3	71.6
0°-90°	3052.8	94.2
90°-120°	122.2	3.8
90°-150°	179.5	5.5
90°-180°	187.0	5.8
0°-180°	3240.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1020	1020	1020	1020	1020	
5°	1024	1021	1010	1018	1015	97
15°	983	983	978	988	986	277
25°	904	908	909	921	919	416
35°	792	801	811	824	827	495
45°	656	672	690	703	707	507
55°	506	527	548	566	570	453
65°	348	368	394	412	418	343
75°	184	205	235	255	265	195
85°	45	69	99	120	127	49
90°	3	25	50	71	78	4
95°	1	21	46	64	71	0
105°	1	20	43	60	67	1
115°	1	17	39	54	60	1
125°	1	15	33	47	52	1
135°	1	12	26	37	42	1
145°	1	9	18	28	31	1
155°	1	6	12	18	21	1
165°	2	4	6	9	12	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°	1019.6	1019.6	1019.6	1019.6	1019.6
2.5°	1027.0	1023.6	1012.1	1020.1	1016.1
5°	1023.6	1020.7	1009.8	1018.4	1015.0
7.5°	1017.3	1015.0	1005.2	1014.4	1011.0
10°	1008.7	1006.9	998.3	1007.5	1005.2
12.5°	997.8	997.2	988.6	998.9	997.2
15°	982.8	982.8	977.7	988.0	986.3
17.5°	966.8	967.4	963.3	974.2	973.1
20°	947.3	950.1	947.3	958.7	957.6
22.5°	926.0	930.1	928.9	940.4	941.0
25°	903.7	907.7	908.8	920.9	919.2
27.5°	879.0	885.3	887.6	898.5	897.9
30°	850.3	858.9	864.1	873.3	876.1
32.5°	821.0	831.4	837.7	850.3	853.8
35°	791.8	801.0	811.3	823.9	826.8
37.5°	759.7	770.0	783.8	795.8	799.2
40°	727.5	739.0	752.2	765.4	770.6
42.5°	694.2	706.3	720.6	736.1	741.3
45°	656.4	672.4	689.7	702.9	707.4
47.5°	620.2	638.0	656.4	670.7	675.9
50°	583.5	602.4	622.0	635.1	643.2
52.5°	545.1	565.7	585.2	601.9	607.0
55°	506.1	526.7	548.5	566.3	570.3
57.5°	468.2	488.3	510.1	526.7	534.7
60°	426.9	448.7	472.2	488.8	497.4
62.5°	386.7	407.9	433.2	451.0	457.9
65°	348.3	367.8	393.6	412.0	418.3
67.5°	305.8	328.2	352.9	374.1	382.1
70°	263.9	285.2	313.3	333.4	341.4
72.5°	224.9	245.6	273.7	293.8	301.2
75°	183.6	205.4	235.2	255.3	265.1
77.5°	144.0	168.1	196.8	218.6	229.5
80°	107.3	128.5	159.5	183.6	193.4
82.5°	72.9	95.8	127.9	150.3	161.2
85°	44.8	68.9	98.7	119.9	127.4
87.5°	21.2	44.2	71.7	92.4	101.6
90°	2.9	24.7	50.5	70.6	78.0
92.5°	0.6	21.2	46.5	65.4	72.3
95°	0.6	21.2	45.9	64.3	71.1
97.5°	0.6	20.7	45.3	63.7	70.0
100°	0.6	20.1	44.8	62.5	69.4
102.5°	0.6	20.1	43.6	61.4	67.7
105°	0.6	19.5	43.0	60.2	66.6
107.5°	0.6	18.9	41.9	59.1	65.4
110°	0.6	17.8	41.3	57.4	63.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.6	17.2	40.2	56.2	62.0
115°	0.6	16.6	39.0	54.5	60.2
117.5°	0.6	16.1	37.3	52.8	58.5
120°	1.1	16.1	36.1	51.1	56.2
122.5°	1.1	15.5	34.4	48.8	53.9
125°	1.1	14.9	32.7	47.0	52.2
127.5°	1.1	14.3	31.0	44.8	49.3
130°	1.1	13.2	29.8	42.5	47.0
132.5°	1.1	12.6	28.1	39.6	44.2
135°	1.1	11.5	26.4	37.3	41.9
137.5°	1.1	10.9	24.7	35.0	39.0
140°	1.1	10.3	22.4	32.7	36.7
142.5°	1.1	9.2	20.7	30.4	33.9
145°	1.1	8.6	18.4	28.1	31.0
147.5°	1.1	7.5	16.6	25.8	28.7
150°	1.1	6.9	14.9	23.5	26.4
152.5°	1.1	6.3	13.2	20.7	23.5
155°	1.1	5.7	12.0	17.8	21.2
157.5°	1.1	5.2	10.3	15.5	18.9
160°	1.7	4.6	9.2	13.2	16.1
162.5°	1.7	4.0	7.5	10.9	14.3
165°	1.7	4.0	6.3	8.6	12.0
167.5°	1.7	3.4	5.2	6.9	9.8
170°	1.7	2.9	4.6	5.2	7.5
172.5°	1.7	2.3	3.4	3.4	4.0
175°	1.7	2.3	2.9	2.9	1.7
177.5°	1.7	1.7	1.7	1.7	1.1
180°	1.7	1.7	1.7	1.7	1.7

(END OF REPORT)