

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: P566411

Luminaire Tested: **4SNX-41SL-SLW-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566411
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-SLW-UNV-L935-CD
Description: 4FT 4100 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

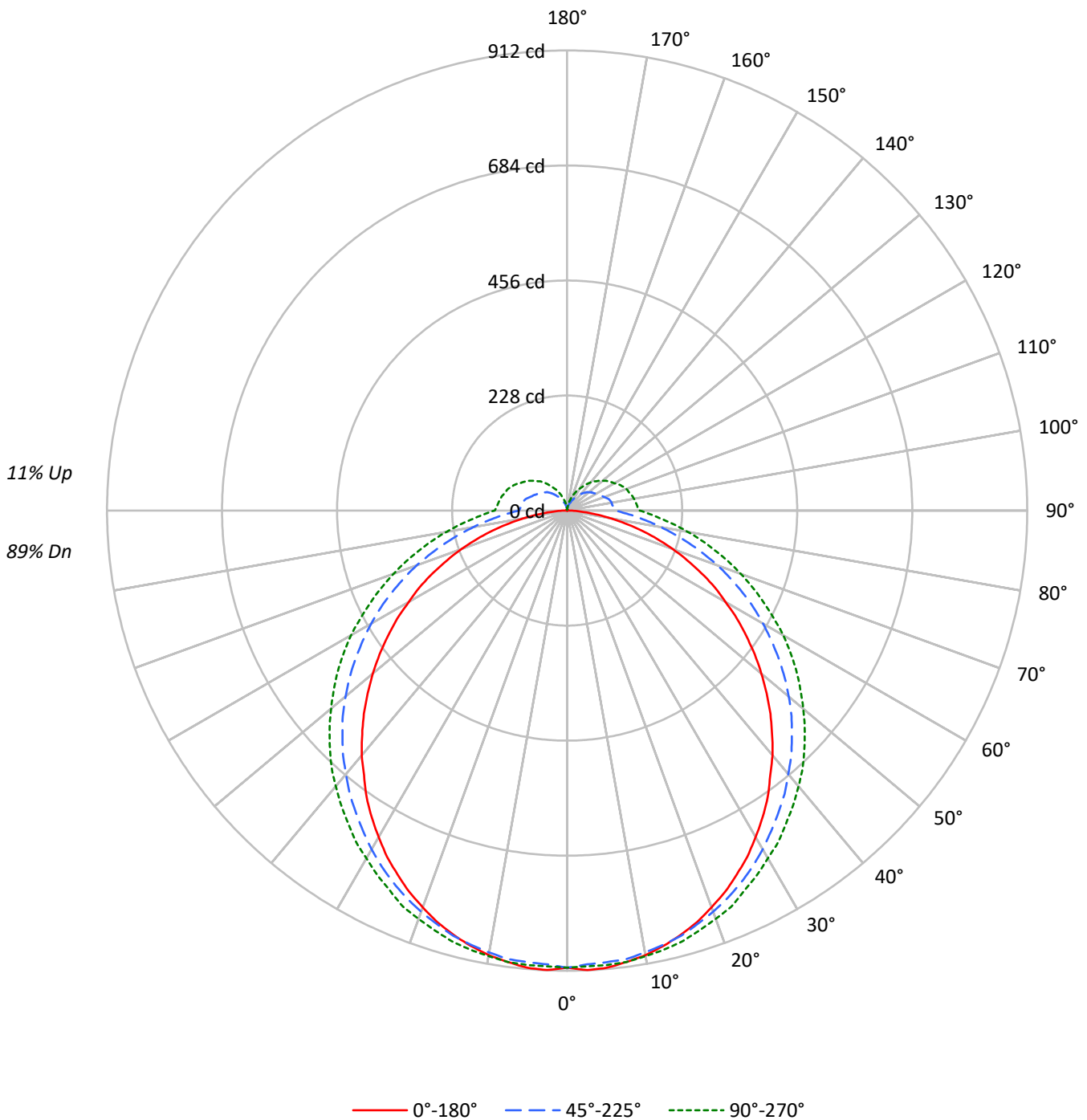
Lumens per Lamp: N/A
Luminaire Lumens: 3225.0 lumens
Efficiency: N/A
Efficacy: 122.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 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°	9751	9751	9751
5°	9810	9500	9492
10°	9743	9308	9258
15°	9646	9112	9041
20°	9513	8885	8800
25°	9360	8665	8548
30°	9176	8422	8299
35°	8976	8170	8066
40°	8745	7922	7841
45°	8496	7670	7600
50°	8212	7402	7329
55°	7897	7082	7063
60°	7531	6739	6766
65°	7152	6354	6391
70°	6619	5929	6026
75°	5913	5391	5621
80°	4764	4844	5221
85°	3354	4374	4812



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.0	2.7
10°-20°	247.3	7.7
20°-30°	376.1	11.7
30°-40°	456.5	14.2
40°-50°	482.4	15.0
50°-60°	451.4	14.0
60°-70°	370.4	11.5
70°-80°	254.7	7.9
80°-90°	139.5	4.3
90°-100°	89.8	2.8
100°-110°	80.6	2.5
110°-120°	66.7	2.1
120°-130°	51.4	1.6
130°-140°	36.1	1.1
140°-150°	21.8	0.7
150°-160°	10.4	0.3
160°-170°	3.4	0.1
170°-180°	0.4	0.0
0°-30°	709.4	22.0
0°-40°	1165.9	36.2
0°-60°	2099.7	65.1
0°-90°	2864.3	88.8
90°-120°	237.2	7.4
90°-150°	346.4	10.7
90°-180°	361.0	11.2
0°-180°	3225.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	906	906	906	906	906	
5°	910	908	898	906	904	86
15°	870	874	872	884	884	245
25°	796	805	814	831	831	367
35°	693	710	730	751	756	433
45°	570	596	630	658	665	439
55°	433	469	512	544	555	388
65°	293	332	383	418	430	290
75°	153	194	250	290	303	161
85°	34	80	136	174	187	39
90°	0	45	95	131	144	2
95°	0	43	92	125	138	0
105°	0	36	86	118	129	1
115°	2	32	73	105	118	2
125°	2	26	62	90	101	2
135°	2	20	50	73	82	1
145°	2	15	36	56	62	1
155°	2	9	22	36	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°	905.9	905.9	905.9	905.9	905.9
2.5°	911.5	909.6	900.3	907.8	904.0
5°	909.6	907.8	898.4	905.9	904.0
7.5°	902.2	902.2	896.6	904.0	902.2
10°	894.7	894.7	889.1	898.4	896.6
12.5°	883.5	885.4	881.6	892.8	891.0
15°	870.4	874.2	872.3	883.5	883.5
17.5°	855.5	859.2	859.2	872.3	872.3
20°	836.8	842.4	846.1	861.1	861.1
22.5°	818.1	825.6	831.2	844.3	849.9
25°	795.7	805.0	814.4	831.2	831.2
27.5°	773.3	784.5	795.7	812.5	814.4
30°	747.1	760.2	775.2	792.0	795.7
32.5°	721.0	737.8	752.7	773.3	778.9
35°	693.0	709.8	730.3	750.9	756.5
37.5°	661.2	681.8	707.9	730.3	735.9
40°	633.2	655.6	681.8	707.9	713.5
42.5°	601.4	625.7	657.5	681.8	691.1
45°	569.7	595.8	629.5	657.5	665.0
47.5°	536.1	566.0	603.3	629.5	638.8
50°	502.5	534.2	573.4	603.3	610.8
52.5°	468.8	502.5	543.5	573.4	582.8
55°	433.3	468.8	511.8	543.5	554.8
57.5°	399.7	435.2	480.0	513.7	524.9
60°	362.4	403.5	448.3	481.9	495.0
62.5°	330.6	368.0	416.5	450.2	461.4
65°	293.3	332.5	382.9	418.4	429.6
67.5°	257.8	298.9	349.3	386.6	397.9
70°	222.3	263.4	317.5	353.0	366.1
72.5°	186.8	229.7	282.0	321.3	334.3
75°	153.2	194.3	250.3	289.5	302.6
77.5°	117.7	162.5	218.5	257.8	272.7
80°	85.9	132.6	188.7	227.9	242.8
82.5°	57.9	104.6	160.6	199.9	214.8
85°	33.6	80.3	136.4	173.7	186.8
87.5°	16.8	61.6	113.9	151.3	164.4
90°	0.0	44.8	95.3	130.7	143.8
92.5°	0.0	43.0	93.4	127.0	140.1
95°	0.0	43.0	91.5	125.1	138.2
97.5°	0.0	41.1	89.7	125.1	136.4
100°	0.0	39.2	89.7	123.3	134.5
102.5°	0.0	37.4	87.8	121.4	132.6
105°	0.0	35.5	85.9	117.7	128.9
107.5°	1.9	35.5	82.2	115.8	127.0
110°	1.9	33.6	78.4	113.9	125.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.9	31.8	74.7	110.2	121.4
115°	1.9	31.8	72.8	104.6	117.7
117.5°	1.9	29.9	69.1	100.9	113.9
120°	1.9	29.9	67.2	97.1	108.3
122.5°	1.9	28.0	63.5	93.4	104.6
125°	1.9	26.1	61.6	89.7	100.9
127.5°	1.9	24.3	59.8	85.9	97.1
130°	1.9	22.4	56.0	82.2	91.5
132.5°	1.9	22.4	54.2	76.6	87.8
135°	1.9	20.5	50.4	72.8	82.2
137.5°	1.9	18.7	46.7	69.1	78.4
140°	1.9	16.8	43.0	65.4	72.8
142.5°	1.9	16.8	39.2	59.8	67.2
145°	1.9	14.9	35.5	56.0	61.6
147.5°	1.9	13.1	31.8	50.4	56.0
150°	1.9	13.1	28.0	44.8	50.4
152.5°	1.9	11.2	24.3	41.1	46.7
155°	1.9	9.3	22.4	35.5	41.1
157.5°	1.9	9.3	18.7	29.9	35.5
160°	1.9	7.5	16.8	24.3	29.9
162.5°	1.9	7.5	14.9	20.5	26.1
165°	1.9	5.6	11.2	16.8	20.5
167.5°	1.9	5.6	9.3	13.1	16.8
170°	1.9	3.7	7.5	9.3	13.1
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)