

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: P566412

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

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566412  
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-L940-CD  
Description: 4FT 4100 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND SLW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

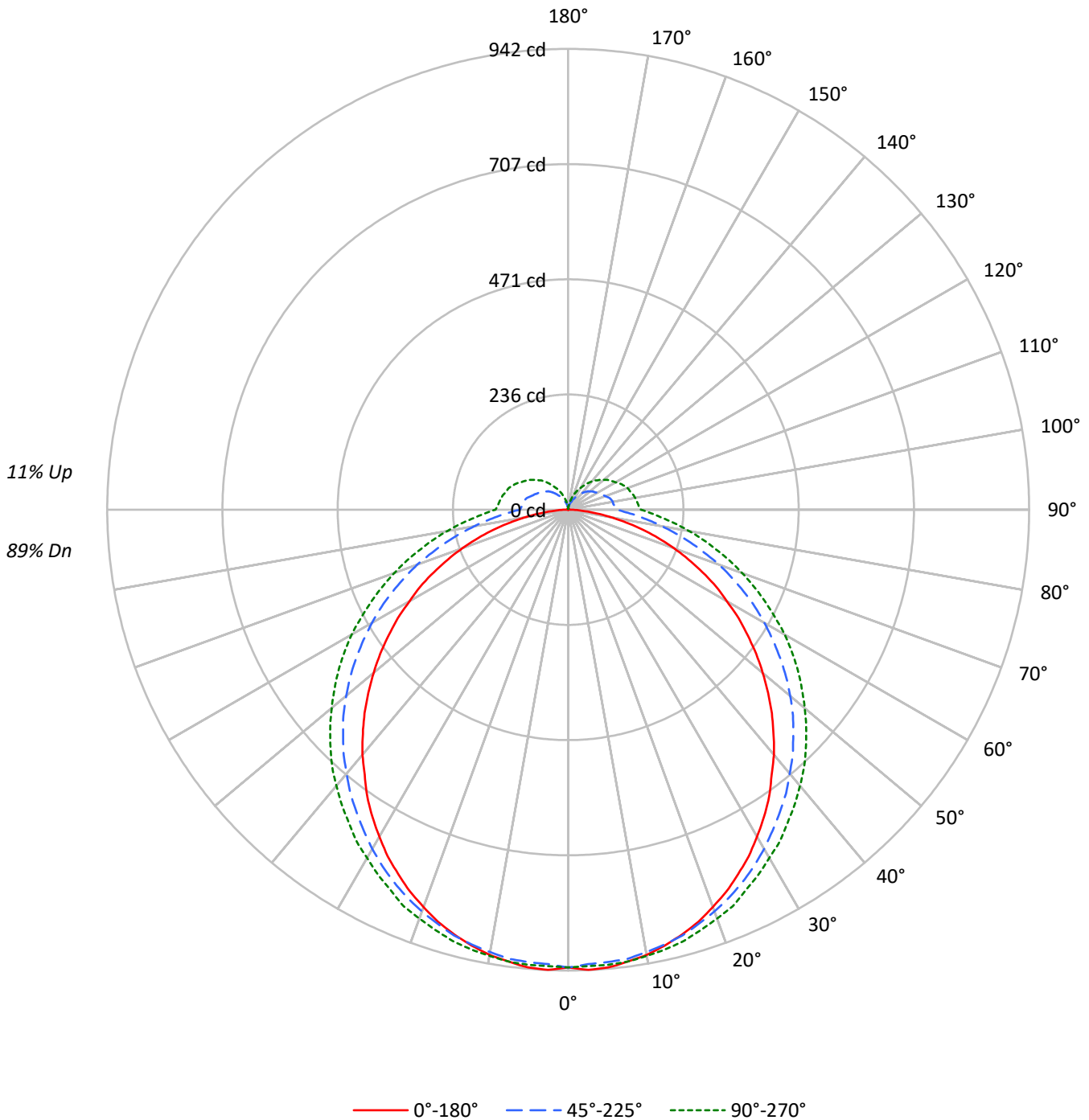
Lumens per Lamp: N/A  
Luminaire Lumens: 3331.0 lumens  
Efficiency: N/A  
Efficacy: 126.7 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')  
CIE Type: Semi-Direct

Input Watts (W): 26.3  
Input Voltage (V): NR  
Input Current (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

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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	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°	10072	10072	10072
5°	10133	9813	9805
10°	10064	9614	9561
15°	9963	9411	9338
20°	9826	9177	9089
25°	9668	8950	8829
30°	9478	8698	8572
35°	9271	8438	8330
40°	9032	8182	8099
45°	8775	7922	7849
50°	8481	7646	7570
55°	8158	7314	7294
60°	7778	6960	6989
65°	7386	6563	6601
70°	6836	6125	6223
75°	6106	5568	5804
80°	4919	5003	5393
85°	3464	4515	4969



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	88.9	2.7
10°-20°	255.5	7.7
20°-30°	388.4	11.7
30°-40°	471.5	14.2
40°-50°	498.2	15.0
50°-60°	466.2	14.0
60°-70°	382.5	11.5
70°-80°	263.1	7.9
80°-90°	144.1	4.3
90°-100°	92.8	2.8
100°-110°	83.3	2.5
110°-120°	68.9	2.1
120°-130°	53.1	1.6
130°-140°	37.3	1.1
140°-150°	22.5	0.7
150°-160°	10.8	0.3
160°-170°	3.5	0.1
170°-180°	0.4	0.0
0°-30°	732.7	22.0
0°-40°	1204.3	36.2
0°-60°	2168.7	65.1
0°-90°	2958.5	88.8
90°-120°	245.0	7.4
90°-150°	357.8	10.7
90°-180°	373.0	11.2
0°-180°	3331.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	936	936	936	936	936	
5°	940	938	928	936	934	89
15°	899	903	901	912	912	254
25°	822	832	841	858	858	379
35°	716	733	754	776	781	447
45°	588	615	650	679	687	454
55°	448	484	529	561	573	401
65°	303	343	396	432	444	300
75°	158	201	258	299	312	167
85°	35	83	141	179	193	40
90°	0	46	98	135	149	2
95°	0	44	94	129	143	0
105°	0	37	89	122	133	1
115°	2	33	75	108	122	2
125°	2	27	64	93	104	2
135°	2	21	52	75	85	1
145°	2	15	37	58	64	1
155°	2	10	23	37	42	1
165°	2	6	12	17	21	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°	935.7	935.7	935.7	935.7	935.7
2.5°	941.5	939.5	929.9	937.6	933.8
5°	939.5	937.6	928.0	935.7	933.8
7.5°	931.8	931.8	926.0	933.8	931.8
10°	924.1	924.1	918.3	928.0	926.0
12.5°	912.5	914.5	910.6	922.2	920.3
15°	899.0	902.9	901.0	912.5	912.5
17.5°	883.6	887.5	887.5	901.0	901.0
20°	864.3	870.1	873.9	889.4	889.4
22.5°	845.0	852.7	858.5	872.0	877.8
25°	821.9	831.5	841.2	858.5	858.5
27.5°	798.7	810.3	821.9	839.2	841.2
30°	771.7	785.2	800.6	818.0	821.9
32.5°	744.7	762.1	777.5	798.7	804.5
35°	715.8	733.1	754.3	775.6	781.3
37.5°	683.0	704.2	731.2	754.3	760.1
40°	654.0	677.2	704.2	731.2	737.0
42.5°	621.2	646.3	679.1	704.2	713.8
45°	588.4	615.4	650.2	679.1	686.8
47.5°	553.7	584.6	623.1	650.2	659.8
50°	519.0	551.8	592.3	623.1	630.9
52.5°	484.2	519.0	561.4	592.3	601.9
55°	447.6	484.2	528.6	561.4	573.0
57.5°	412.9	449.5	495.8	530.5	542.1
60°	374.3	416.7	463.0	497.7	511.3
62.5°	341.5	380.1	430.2	464.9	476.5
65°	302.9	343.4	395.5	432.2	443.7
67.5°	266.2	308.7	360.8	399.4	410.9
70°	229.6	272.0	328.0	364.6	378.1
72.5°	192.9	237.3	291.3	331.8	345.3
75°	158.2	200.6	258.5	299.0	312.5
77.5°	121.5	167.8	225.7	266.2	281.7
80°	88.7	137.0	194.9	235.4	250.8
82.5°	59.8	108.0	165.9	206.4	221.9
85°	34.7	83.0	140.8	179.4	192.9
87.5°	17.4	63.7	117.7	156.3	169.8
90°	0.0	46.3	98.4	135.0	148.6
92.5°	0.0	44.4	96.5	131.2	144.7
95°	0.0	44.4	94.5	129.3	142.8
97.5°	0.0	42.4	92.6	129.3	140.8
100°	0.0	40.5	92.6	127.3	138.9
102.5°	0.0	38.6	90.7	125.4	137.0
105°	0.0	36.7	88.7	121.5	133.1
107.5°	1.9	36.7	84.9	119.6	131.2
110°	1.9	34.7	81.0	117.7	129.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.9	32.8	77.2	113.8	125.4
115°	1.9	32.8	75.2	108.0	121.5
117.5°	1.9	30.9	71.4	104.2	117.7
120°	1.9	30.9	69.5	100.3	111.9
122.5°	1.9	28.9	65.6	96.5	108.0
125°	1.9	27.0	63.7	92.6	104.2
127.5°	1.9	25.1	61.7	88.7	100.3
130°	1.9	23.2	57.9	84.9	94.5
132.5°	1.9	23.2	55.9	79.1	90.7
135°	1.9	21.2	52.1	75.2	84.9
137.5°	1.9	19.3	48.2	71.4	81.0
140°	1.9	17.4	44.4	67.5	75.2
142.5°	1.9	17.4	40.5	61.7	69.5
145°	1.9	15.4	36.7	57.9	63.7
147.5°	1.9	13.5	32.8	52.1	57.9
150°	1.9	13.5	28.9	46.3	52.1
152.5°	1.9	11.6	25.1	42.4	48.2
155°	1.9	9.6	23.2	36.7	42.4
157.5°	1.9	9.6	19.3	30.9	36.7
160°	1.9	7.7	17.4	25.1	30.9
162.5°	1.9	7.7	15.4	21.2	27.0
165°	1.9	5.8	11.6	17.4	21.2
167.5°	1.9	5.8	9.6	13.5	17.4
170°	1.9	3.9	7.7	9.6	13.5
172.5°	1.9	3.9	5.8	5.8	5.8
175°	1.9	1.9	3.9	3.9	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)