

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: P565624

Luminaire Tested: **2SNX-25SL-LW-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565624
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: 2SNX-25SL-LW-UNV-L940-CD
Description: 2FT 2500 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

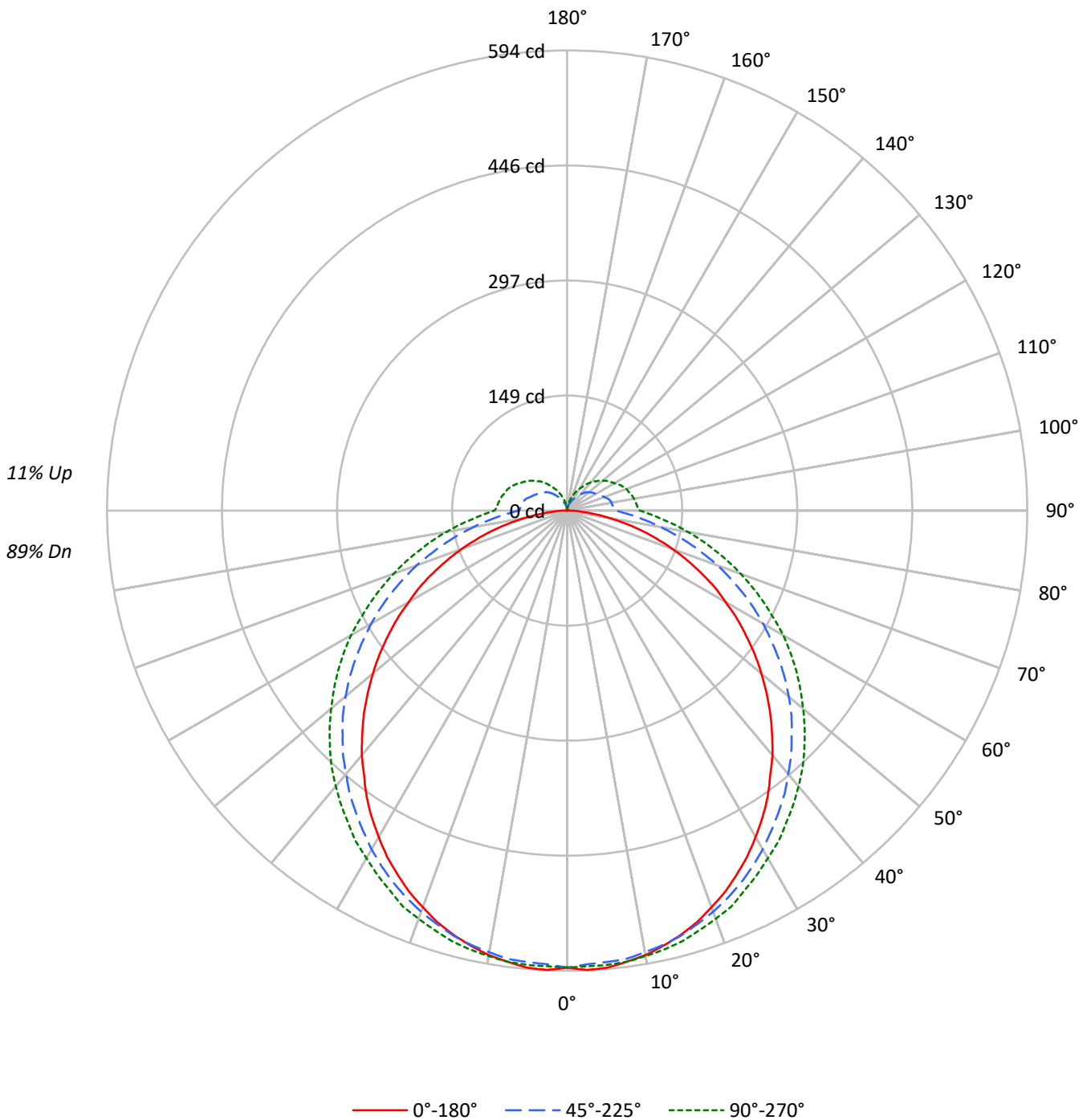
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2100.0 lumens
Efficiency: N/A
Efficacy: 120.0 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 17.5
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	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°	12699	12699	12699
5°	12707	12081	12021
10°	12551	11573	11419
15°	12356	11084	10879
20°	12116	10581	10337
25°	11846	10099	9807
30°	11538	9607	9300
35°	11204	9114	8826
40°	10829	8633	8373
45°	10426	8155	7910
50°	9968	7663	7422
55°	9465	7118	6945
60°	8879	6551	6440
65°	8254	5942	5864
70°	7411	5298	5299
75°	6325	4551	4698
80°	4706	3799	4100
85°	2770	3106	3484



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.0	2.7
10°-20°	161.0	7.7
20°-30°	244.9	11.7
30°-40°	297.3	14.2
40°-50°	314.1	15.0
50°-60°	293.9	14.0
60°-70°	241.2	11.5
70°-80°	165.9	7.9
80°-90°	90.8	4.3
90°-100°	58.5	2.8
100°-110°	52.5	2.5
110°-120°	43.5	2.1
120°-130°	33.4	1.6
130°-140°	23.5	1.1
140°-150°	14.2	0.7
150°-160°	6.8	0.3
160°-170°	2.2	0.1
170°-180°	0.3	0.0
0°-30°	461.9	22.0
0°-40°	759.2	36.2
0°-60°	1367.3	65.1
0°-90°	1865.1	88.8
90°-120°	154.5	7.4
90°-150°	225.6	10.7
90°-180°	235.0	11.2
0°-180°	2100.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	590	590	590	590	590	
5°	592	591	585	590	589	56
15°	567	569	568	575	575	160
25°	518	524	530	541	541	239
35°	451	462	476	489	493	282
45°	371	388	410	428	433	286
55°	282	305	333	354	361	253
65°	191	216	249	272	280	189
75°	100	126	163	188	197	105
85°	22	52	89	113	122	25
90°	0	29	62	85	94	1
95°	0	28	60	82	90	0
105°	0	23	56	77	84	1
115°	1	21	47	68	77	1
125°	1	17	40	58	66	1
135°	1	13	33	47	54	1
145°	1	10	23	36	40	1
155°	1	6	15	23	27	1
165°	1	4	7	11	13	0
175°	1	1	2	2	1	0
180°	1	1	1	1	1	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	589.9	589.9	589.9	589.9	589.9
2.5°	593.5	592.3	586.2	591.1	588.7
5°	592.3	591.1	585.0	589.9	588.7
7.5°	587.5	587.5	583.8	588.7	587.5
10°	582.6	582.6	578.9	585.0	583.8
12.5°	575.3	576.5	574.1	581.4	580.2
15°	566.8	569.2	568.0	575.3	575.3
17.5°	557.1	559.5	559.5	568.0	568.0
20°	544.9	548.5	551.0	560.7	560.7
22.5°	532.7	537.6	541.2	549.8	553.4
25°	518.1	524.2	530.3	541.2	541.2
27.5°	503.5	510.8	518.1	529.1	530.3
30°	486.5	495.0	504.8	515.7	518.1
32.5°	469.5	480.4	490.2	503.5	507.2
35°	451.2	462.2	475.6	488.9	492.6
37.5°	430.6	443.9	461.0	475.6	479.2
40°	412.3	426.9	443.9	461.0	464.6
42.5°	391.6	407.5	428.1	443.9	450.0
45°	371.0	388.0	409.9	428.1	433.0
47.5°	349.1	368.5	392.9	409.9	416.0
50°	327.2	347.9	373.4	392.9	397.7
52.5°	305.3	327.2	353.9	373.4	379.5
55°	282.2	305.3	333.3	353.9	361.2
57.5°	260.3	283.4	312.6	334.5	341.8
60°	236.0	262.7	291.9	313.8	322.3
62.5°	215.3	239.6	271.2	293.1	300.4
65°	191.0	216.5	249.3	272.4	279.7
67.5°	167.8	194.6	227.4	251.8	259.1
70°	144.7	171.5	206.8	229.9	238.4
72.5°	121.6	149.6	183.7	209.2	217.7
75°	99.7	126.5	163.0	188.5	197.0
77.5°	76.6	105.8	142.3	167.8	177.6
80°	55.9	86.4	122.8	148.4	158.1
82.5°	37.7	68.1	104.6	130.1	139.9
85°	21.9	52.3	88.8	113.1	121.6
87.5°	10.9	40.1	74.2	98.5	107.0
90°	0.0	29.2	62.0	85.1	93.7
92.5°	0.0	28.0	60.8	82.7	91.2
95°	0.0	28.0	59.6	81.5	90.0
97.5°	0.0	26.8	58.4	81.5	88.8
100°	0.0	25.5	58.4	80.3	87.6
102.5°	0.0	24.3	57.2	79.1	86.4
105°	0.0	23.1	55.9	76.6	83.9
107.5°	1.2	23.1	53.5	75.4	82.7
110°	1.2	21.9	51.1	74.2	81.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.2	20.7	48.7	71.8	79.1
115°	1.2	20.7	47.4	68.1	76.6
117.5°	1.2	19.5	45.0	65.7	74.2
120°	1.2	19.5	43.8	63.2	70.5
122.5°	1.2	18.2	41.4	60.8	68.1
125°	1.2	17.0	40.1	58.4	65.7
127.5°	1.2	15.8	38.9	55.9	63.2
130°	1.2	14.6	36.5	53.5	59.6
132.5°	1.2	14.6	35.3	49.9	57.2
135°	1.2	13.4	32.8	47.4	53.5
137.5°	1.2	12.2	30.4	45.0	51.1
140°	1.2	10.9	28.0	42.6	47.4
142.5°	1.2	10.9	25.5	38.9	43.8
145°	1.2	9.7	23.1	36.5	40.1
147.5°	1.2	8.5	20.7	32.8	36.5
150°	1.2	8.5	18.2	29.2	32.8
152.5°	1.2	7.3	15.8	26.8	30.4
155°	1.2	6.1	14.6	23.1	26.8
157.5°	1.2	6.1	12.2	19.5	23.1
160°	1.2	4.9	10.9	15.8	19.5
162.5°	1.2	4.9	9.7	13.4	17.0
165°	1.2	3.6	7.3	10.9	13.4
167.5°	1.2	3.6	6.1	8.5	10.9
170°	1.2	2.4	4.9	6.1	8.5
172.5°	1.2	2.4	3.6	3.6	3.6
175°	1.2	1.2	2.4	2.4	1.2
177.5°	1.2	1.2	1.2	1.2	1.2
180°	1.2	1.2	1.2	1.2	1.2

(END OF REPORT)