

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: P565588

Luminaire Tested: **2SNX-23SL-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565588
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2SNX-23SL-UNV-L840-CD
Description: 2FT 2300 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

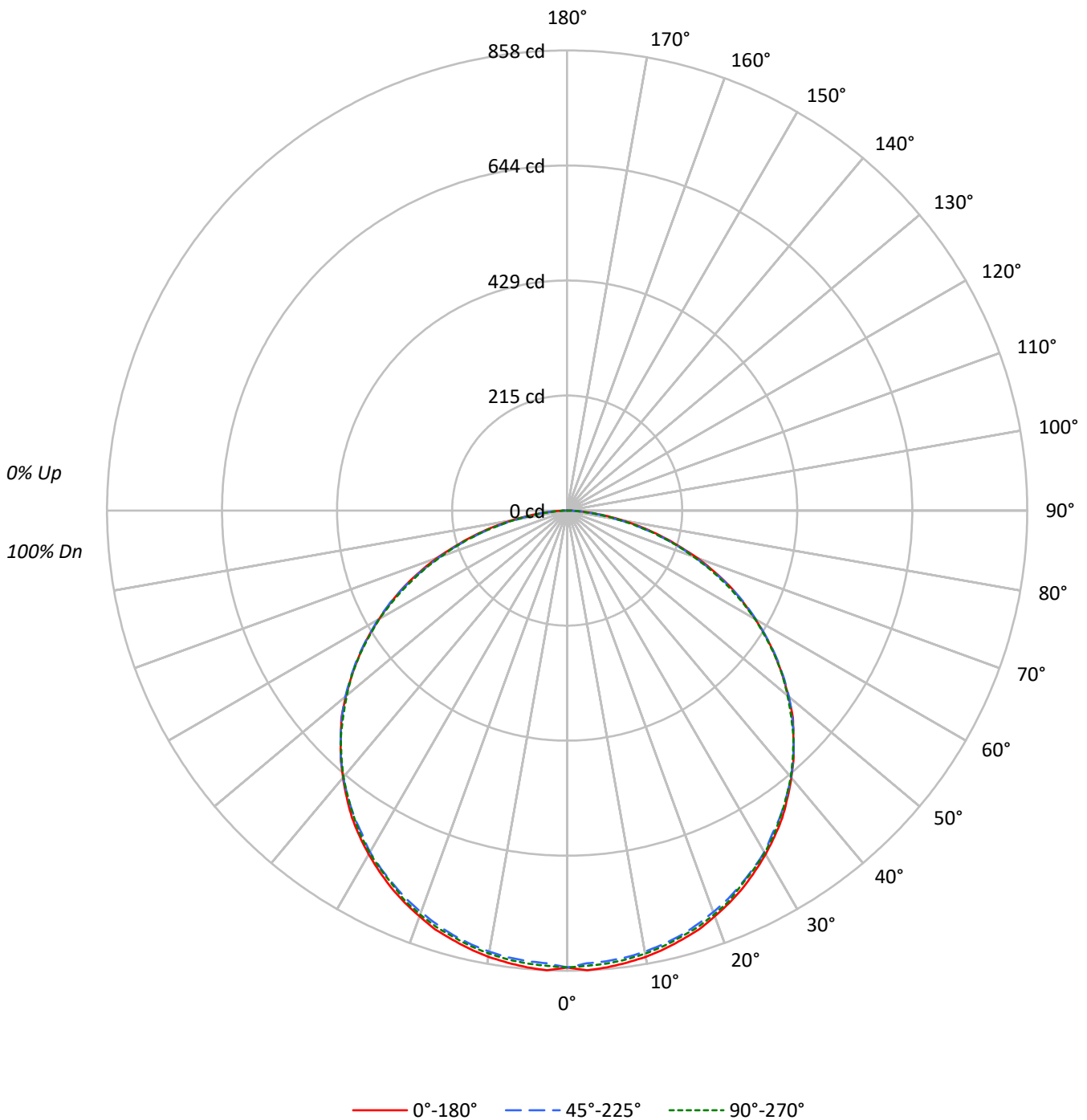
Lumens per Lamp: N/A
Luminaire Lumens: 2547.0 lumens
Efficiency: N/A
Efficacy: 170.9 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 14.9
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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	99	95	106	101	98	94	97	94	91	93	91	88	90	88	86	83
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	18337	18337	18337
5°	18474	18226	18325
10°	18469	18253	18336
15°	18456	18269	18336
20°	18444	18252	18357
25°	18433	18250	18288
30°	18395	18281	18318
35°	18381	18239	18260
40°	18278	18255	18233
45°	18167	18191	18167
50°	18035	18089	17958
55°	17798	17854	17768
60°	17446	17515	17416
65°	17090	16973	16739
70°	16252	15912	15717
75°	14847	14340	14398
80°	12819	11877	12162
85°	9658	9263	8324



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.8	3.2
10°-20°	232.9	9.1
20°-30°	356.3	14.0
30°-40°	435.6	17.1
40°-50°	460.8	18.1
50°-60°	424.6	16.7
60°-70°	327.2	12.8
70°-80°	183.3	7.2
80°-90°	45.6	1.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	669.9	26.3
0°-40°	1105.6	43.4
0°-60°	1991.0	78.2
0°-90°	2547.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2547.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	852	852	852	852	852	
5°	855	852	843	852	848	81
15°	828	827	820	827	823	234
25°	776	774	768	774	770	358
35°	699	698	694	696	695	437
45°	597	599	598	597	597	461
55°	474	478	476	476	473	423
65°	336	336	333	325	329	330
75°	178	176	172	166	173	189
85°	39	37	38	38	34	48
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	851.8	851.8	851.8	851.8	851.8
2.5°	858.0	854.1	844.9	853.4	849.5
5°	854.9	851.8	843.4	851.8	848.0
7.5°	850.3	848.0	840.4	848.0	844.2
10°	844.9	842.6	835.0	842.6	838.8
12.5°	837.3	835.8	828.1	835.8	831.9
15°	828.1	826.6	819.7	826.6	822.7
17.5°	818.9	815.8	808.9	816.6	813.5
20°	805.1	803.6	796.7	803.6	801.3
22.5°	791.3	789.8	783.7	789.8	788.3
25°	776.0	774.5	768.3	774.5	769.9
27.5°	758.4	759.2	752.3	756.1	753.8
30°	740.0	740.0	735.4	736.9	736.9
32.5°	720.1	720.1	713.2	717.8	717.0
35°	699.4	697.9	694.0	696.3	694.8
37.5°	674.9	674.1	671.8	673.4	671.8
40°	650.4	651.1	649.6	648.8	648.8
42.5°	625.1	626.6	624.3	623.6	622.8
45°	596.7	599.0	597.5	596.7	596.7
47.5°	570.7	571.5	569.2	568.4	566.1
50°	538.5	541.6	540.1	538.5	536.2
52.5°	506.4	511.0	507.9	506.4	506.4
55°	474.2	478.0	475.7	475.7	473.4
57.5°	440.5	444.3	441.2	441.2	438.2
60°	405.2	409.1	406.8	404.5	404.5
62.5°	370.0	373.1	372.3	368.5	366.2
65°	335.5	335.5	333.2	324.8	328.6
67.5°	296.5	295.7	292.6	284.2	289.6
70°	258.2	258.2	252.8	242.8	249.7
72.5°	216.8	219.1	212.2	205.3	212.2
75°	178.5	176.2	172.4	166.2	173.1
77.5°	141.7	137.9	133.3	130.2	134.1
80°	103.4	101.1	95.8	95.8	98.1
82.5°	70.5	68.2	64.3	65.1	62.0
85°	39.1	36.8	37.5	37.5	33.7
87.5°	16.1	16.1	16.1	14.6	13.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)