

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: P565589

Luminaire Tested: **2SNX-23SL-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565589
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-L850-CD
Description: 2FT 2300 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

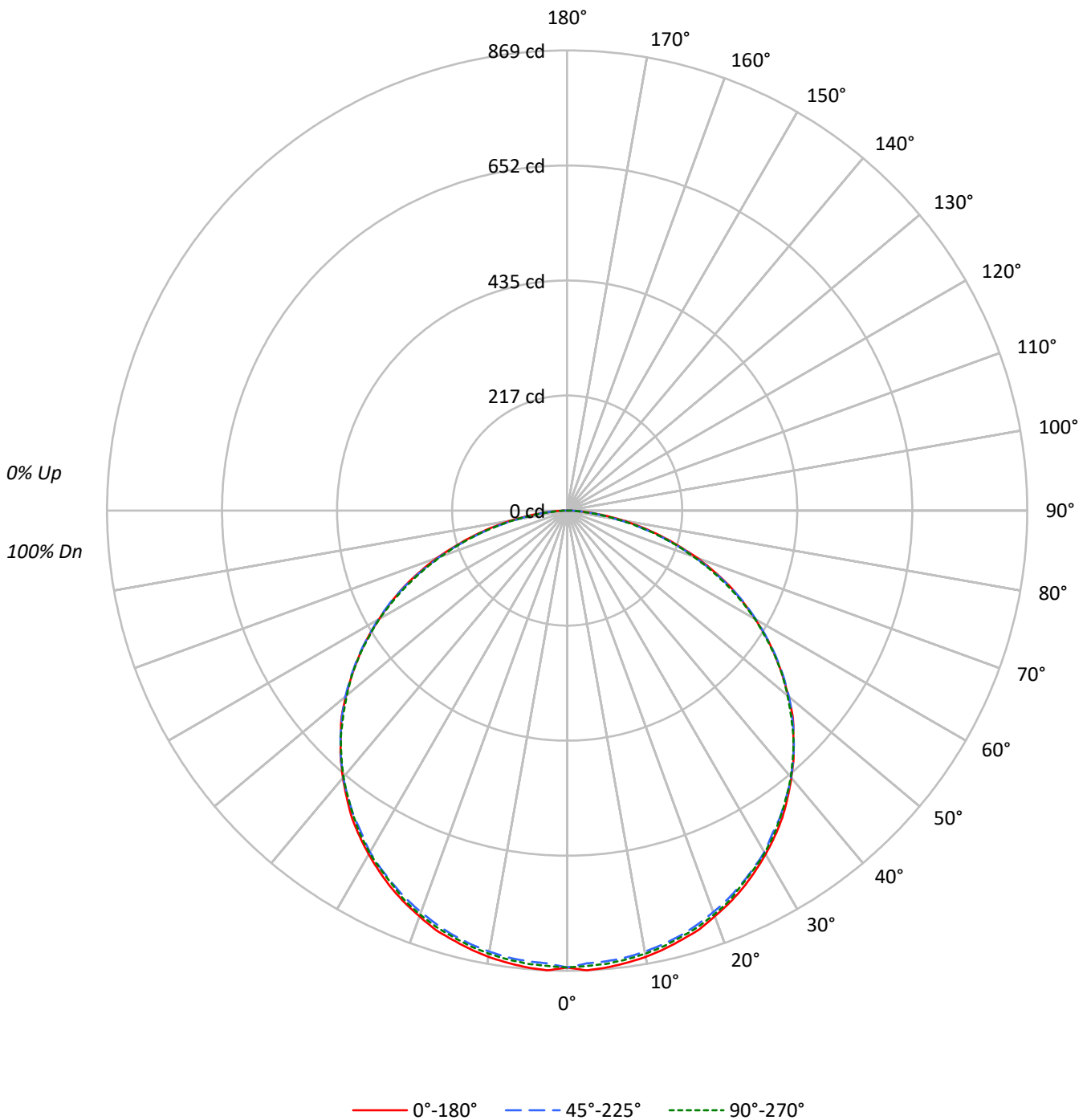
Lumens per Lamp: N/A
Luminaire Lumens: 2580.0 lumens
Efficiency: N/A
Efficacy: 173.2 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 2' x H: 0')
CIE Type: Direct

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°	18576	18576	18576
5°	18714	18461	18563
10°	18710	18489	18574
15°	18695	18505	18574
20°	18683	18488	18596
25°	18672	18487	18525
30°	18634	18517	18557
35°	18620	18475	18496
40°	18514	18492	18469
45°	18404	18428	18404
50°	18270	18323	18193
55°	18027	18087	17997
60°	17674	17739	17640
65°	17314	17192	16958
70°	16460	16120	15925
75°	15038	14523	14589
80°	12992	12025	12311
85°	9781	9386	8423



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.9	3.2
10°-20°	235.9	9.1
20°-30°	360.9	14.0
30°-40°	441.3	17.1
40°-50°	466.8	18.1
50°-60°	430.1	16.7
60°-70°	331.4	12.8
70°-80°	185.7	7.2
80°-90°	46.2	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°	678.6	26.3
0°-40°	1119.9	43.4
0°-60°	2016.8	78.2
0°-90°	2580.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2580.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	863	863	863	863	863	
5°	866	863	854	863	859	82
15°	839	837	830	837	833	237
25°	786	784	778	784	780	362
35°	708	707	703	705	704	443
45°	604	607	605	604	604	467
55°	480	484	482	482	480	429
65°	340	340	338	329	333	334
75°	181	178	175	168	175	192
85°	40	37	38	38	34	49
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	862.9	862.9	862.9	862.9	862.9
2.5°	869.1	865.2	855.9	864.4	860.6
5°	866.0	862.9	854.3	862.9	859.0
7.5°	861.3	859.0	851.2	859.0	855.1
10°	855.9	853.6	845.8	853.6	849.7
12.5°	848.1	846.6	838.8	846.6	842.7
15°	838.8	837.3	830.3	837.3	833.4
17.5°	829.5	826.4	819.4	827.2	824.1
20°	815.5	814.0	807.0	814.0	811.7
22.5°	801.6	800.0	793.8	800.0	798.5
25°	786.1	784.5	778.3	784.5	779.9
27.5°	768.2	769.0	762.0	765.9	763.6
30°	749.6	749.6	744.9	746.5	746.5
32.5°	729.4	729.4	722.4	727.1	726.3
35°	708.5	706.9	703.0	705.4	703.8
37.5°	683.6	682.9	680.5	682.1	680.5
40°	658.8	659.6	658.0	657.2	657.2
42.5°	633.2	634.7	632.4	631.6	630.9
45°	604.5	606.8	605.3	604.5	604.5
47.5°	578.1	578.9	576.5	575.8	573.4
50°	545.5	548.6	547.1	545.5	543.2
52.5°	512.9	517.6	514.5	512.9	512.9
55°	480.3	484.2	481.9	481.9	479.5
57.5°	446.2	450.1	447.0	447.0	443.9
60°	410.5	414.4	412.0	409.7	409.7
62.5°	374.8	377.9	377.1	373.2	370.9
65°	339.9	339.9	337.5	329.0	332.9
67.5°	300.3	299.5	296.4	287.9	293.3
70°	261.5	261.5	256.1	246.0	253.0
72.5°	219.6	221.9	214.9	208.0	214.9
75°	180.8	178.5	174.6	168.4	175.4
77.5°	143.6	139.7	135.0	131.9	135.8
80°	104.8	102.4	97.0	97.0	99.3
82.5°	71.4	69.1	65.2	66.0	62.9
85°	39.6	37.2	38.0	38.0	34.1
87.5°	16.3	16.3	16.3	14.7	13.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)