

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: P565541

Luminaire Tested: **2SNX-19SL-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565541
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-19SL-UNV-L850-CD
Description: 2FT 1900 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

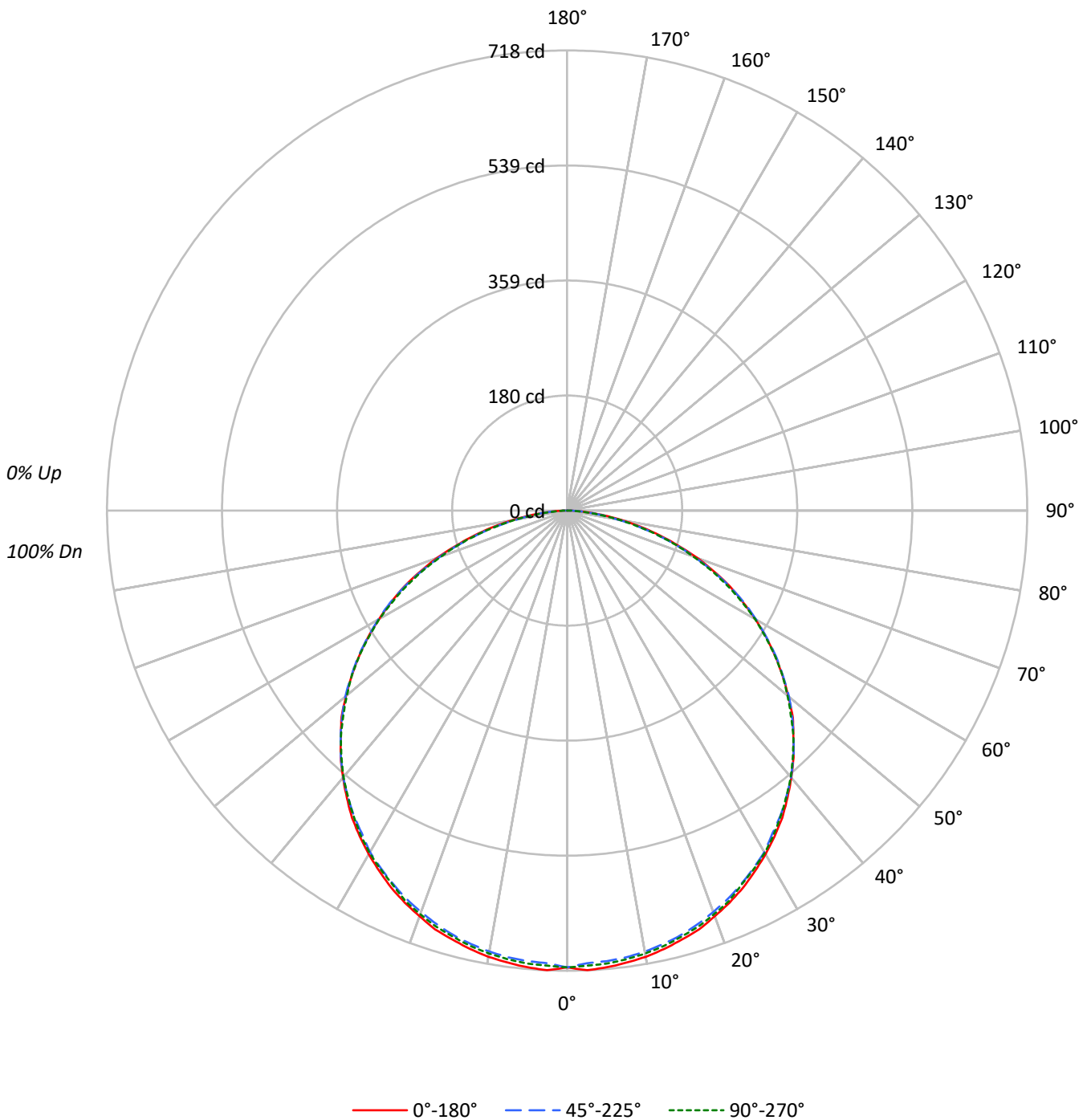
Lumens per Lamp: N/A
Luminaire Lumens: 2131.0 lumens
Efficiency: N/A
Efficacy: 177.6 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 12
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

TEST NUMBER: P565541

CATALOG NUMBER: 2SNX-19SL-UNV-L850-CD

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°	15343	15343	15343
5°	15458	15250	15332
10°	15453	15271	15341
15°	15441	15285	15343
20°	15432	15271	15358
25°	15423	15271	15300
30°	15390	15295	15328
35°	15379	15261	15277
40°	15291	15274	15257
45°	15201	15219	15201
50°	15091	15135	15024
55°	14889	14938	14867
60°	14600	14652	14570
65°	14299	14202	14008
70°	13596	13312	13149
75°	12418	11994	12044
80°	10724	9930	10166
85°	8077	7756	6966



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.6	3.2
10°-20°	194.8	9.1
20°-30°	298.1	14.0
30°-40°	364.5	17.1
40°-50°	385.5	18.1
50°-60°	355.2	16.7
60°-70°	273.7	12.8
70°-80°	153.4	7.2
80°-90°	38.1	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°	560.5	26.3
0°-40°	925.0	43.4
0°-60°	1665.8	78.2
0°-90°	2131.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2131.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	713	713	713	713	713	
5°	715	713	706	713	710	68
15°	693	692	686	692	688	196
25°	649	648	643	648	644	299
35°	585	584	581	583	581	366
45°	499	501	500	499	499	386
55°	397	400	398	398	396	354
65°	281	281	279	272	275	276
75°	149	147	144	139	145	158
85°	33	31	31	31	28	40
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	712.7	712.7	712.7	712.7	712.7
2.5°	717.8	714.6	706.9	714.0	710.8
5°	715.3	712.7	705.7	712.7	709.5
7.5°	711.4	709.5	703.1	709.5	706.3
10°	706.9	705.0	698.6	705.0	701.8
12.5°	700.5	699.3	692.8	699.3	696.0
15°	692.8	691.6	685.8	691.6	688.4
17.5°	685.2	682.6	676.8	683.2	680.7
20°	673.6	672.3	666.6	672.3	670.4
22.5°	662.1	660.8	655.7	660.8	659.5
25°	649.3	648.0	642.9	648.0	644.1
27.5°	634.5	635.2	629.4	632.6	630.7
30°	619.1	619.1	615.3	616.6	616.6
32.5°	602.5	602.5	596.7	600.5	599.9
35°	585.2	583.9	580.7	582.6	581.3
37.5°	564.7	564.0	562.1	563.4	562.1
40°	544.1	544.8	543.5	542.9	542.9
42.5°	523.0	524.3	522.4	521.7	521.1
45°	499.3	501.2	499.9	499.3	499.3
47.5°	477.5	478.1	476.2	475.6	473.6
50°	450.6	453.1	451.9	450.6	448.6
52.5°	423.7	427.5	424.9	423.7	423.7
55°	396.7	399.9	398.0	398.0	396.1
57.5°	368.5	371.7	369.2	369.2	366.6
60°	339.1	342.3	340.3	338.4	338.4
62.5°	309.6	312.1	311.5	308.3	306.4
65°	280.7	280.7	278.8	271.8	275.0
67.5°	248.0	247.4	244.8	237.8	242.3
70°	216.0	216.0	211.5	203.2	208.9
72.5°	181.4	183.3	177.5	171.8	177.5
75°	149.3	147.4	144.2	139.1	144.8
77.5°	118.6	115.4	111.5	109.0	112.2
80°	86.5	84.6	80.1	80.1	82.0
82.5°	59.0	57.0	53.8	54.5	51.9
85°	32.7	30.8	31.4	31.4	28.2
87.5°	13.5	13.5	13.5	12.2	10.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)