

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: P565538

Luminaire Tested: **2SNX-19SL-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565538
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-L830-CD
Description: 2FT 1900 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

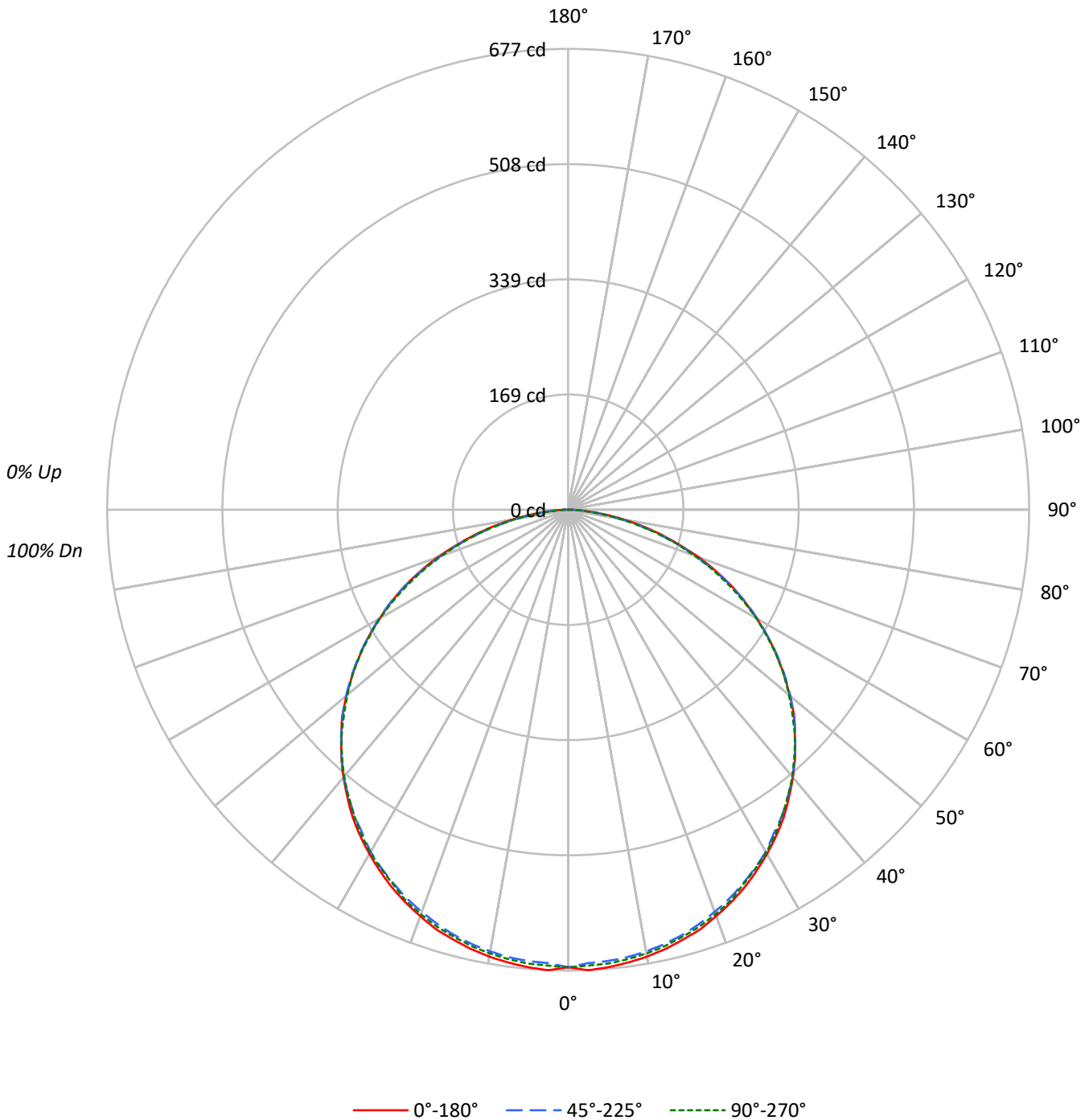
Lumens per Lamp: N/A
Luminaire Lumens: 2010.0 lumens
Efficiency: N/A
Efficacy: 167.5 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 2' x H: 0')
CIE Type: Direct

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: P565538

CATALOG NUMBER: 2SNX-19SL-UNV-L830-CD

Luminous Intensity Polar Plot





TEST NUMBER: P565538

CATALOG NUMBER: 2SNX-19SL-UNV-L830-CD

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	14471	14471	14471
5°	14580	14384	14461
10°	14576	14404	14471
15°	14565	14418	14471
20°	14557	14403	14486
25°	14547	14402	14433
30°	14517	14428	14458
35°	14504	14394	14410
40°	14425	14405	14389
45°	14337	14355	14337
50°	14234	14274	14174
55°	14045	14090	14022
60°	13769	13821	13743
65°	13489	13397	13209
70°	12822	12557	12406
75°	11720	11312	11362
80°	10116	9372	9596
85°	7608	7311	6570



TEST NUMBER: P565538

CATALOG NUMBER: 2SNX-19SL-UNV-L830-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.8	3.2
10°-20°	183.8	9.1
20°-30°	281.2	14.0
30°-40°	343.8	17.1
40°-50°	363.7	18.1
50°-60°	335.1	16.7
60°-70°	258.2	12.8
70°-80°	144.7	7.2
80°-90°	36.0	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°	528.7	26.3
0°-40°	872.5	43.4
0°-60°	1571.2	78.2
0°-90°	2010.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2010.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	672	672	672	672	672	
5°	675	672	666	672	669	64
15°	654	652	647	652	649	185
25°	612	611	606	611	608	282
35°	552	551	548	550	548	345
45°	471	473	472	471	471	364
55°	374	377	375	375	374	334
65°	265	265	263	256	259	260
75°	141	139	136	131	137	149
85°	31	29	30	30	27	38
90°	0	0	0	0	0	



TEST NUMBER: P565538

CATALOG NUMBER: 2SNX-19SL-UNV-L830-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	672.2	672.2	672.2	672.2	672.2
2.5°	677.1	674.1	666.8	673.5	670.4
5°	674.7	672.2	665.6	672.2	669.2
7.5°	671.0	669.2	663.2	669.2	666.2
10°	666.8	665.0	658.9	665.0	662.0
12.5°	660.8	659.5	653.5	659.5	656.5
15°	653.5	652.3	646.9	652.3	649.3
17.5°	646.2	643.8	638.4	644.4	642.0
20°	635.4	634.2	628.7	634.2	632.3
22.5°	624.5	623.3	618.4	623.3	622.1
25°	612.4	611.2	606.3	611.2	607.6
27.5°	598.5	599.1	593.7	596.7	594.9
30°	584.0	584.0	580.4	581.6	581.6
32.5°	568.3	568.3	562.8	566.4	565.8
35°	551.9	550.7	547.7	549.5	548.3
37.5°	532.6	532.0	530.2	531.4	530.2
40°	513.3	513.9	512.6	512.0	512.0
42.5°	493.3	494.5	492.7	492.1	491.5
45°	470.9	472.7	471.5	470.9	470.9
47.5°	450.4	451.0	449.2	448.6	446.8
50°	425.0	427.4	426.2	425.0	423.2
52.5°	399.6	403.2	400.8	399.6	399.6
55°	374.2	377.2	375.4	375.4	373.6
57.5°	347.6	350.6	348.2	348.2	345.8
60°	319.8	322.8	321.0	319.2	319.2
62.5°	292.0	294.4	293.8	290.8	289.0
65°	264.8	264.8	263.0	256.3	259.3
67.5°	234.0	233.4	230.9	224.3	228.5
70°	203.7	203.7	199.5	191.6	197.1
72.5°	171.1	172.9	167.5	162.0	167.5
75°	140.9	139.0	136.0	131.2	136.6
77.5°	111.8	108.8	105.2	102.8	105.8
80°	81.6	79.8	75.6	75.6	77.4
82.5°	55.6	53.8	50.8	51.4	49.0
85°	30.8	29.0	29.6	29.6	26.6
87.5°	12.7	12.7	12.7	11.5	10.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)