

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: P565544

Luminaire Tested: **2SNX-19SL-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565544
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-L940-CD
Description: 2FT 1900 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

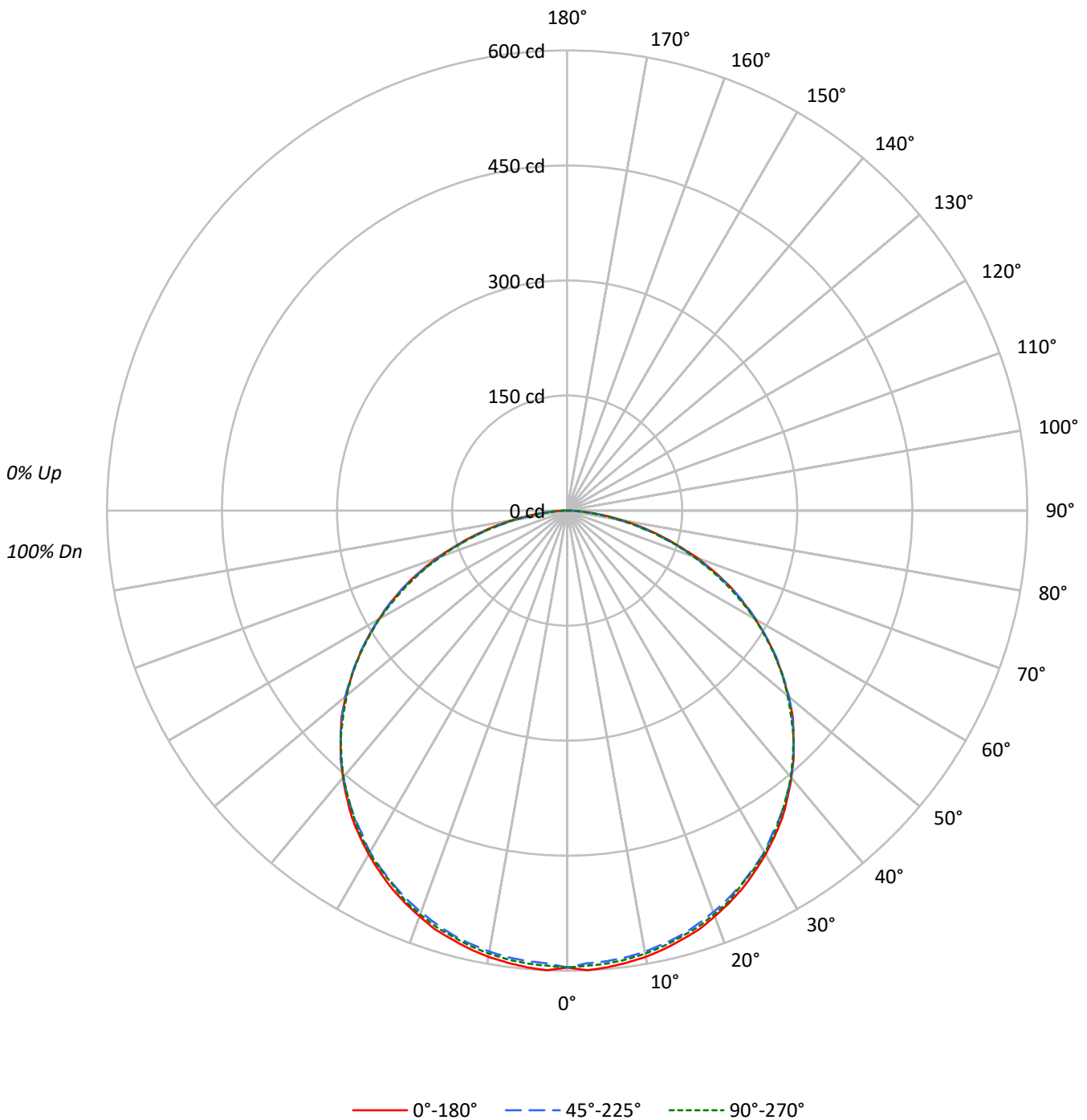
Lumens per Lamp: N/A
Luminaire Lumens: 1781.0 lumens
Efficiency: N/A
Efficacy: 148.4 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 2' x H: 0')
CIE Type: Direct

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

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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	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	38	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°	12824	12824	12824
5°	12918	12746	12815
10°	12915	12764	12821
15°	12904	12775	12822
20°	12898	12763	12836
25°	12889	12763	12786
30°	12862	12782	12809
35°	12854	12754	12767
40°	12781	12764	12750
45°	12705	12720	12705
50°	12613	12646	12559
55°	12446	12483	12423
60°	12202	12245	12176
65°	11950	11869	11706
70°	11361	11128	10990
75°	10381	10023	10073
80°	8963	8306	8505
85°	6743	6472	5829



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.5	3.2
10°-20°	162.8	9.1
20°-30°	249.1	14.0
30°-40°	304.6	17.1
40°-50°	322.2	18.1
50°-60°	296.9	16.7
60°-70°	228.8	12.8
70°-80°	128.2	7.2
80°-90°	31.8	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°	468.5	26.3
0°-40°	773.1	43.4
0°-60°	1392.2	78.2
0°-90°	1781.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1781.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	596	596	596	596	596	
5°	598	596	590	596	593	57
15°	579	578	573	578	575	164
25°	543	542	537	542	538	250
35°	489	488	485	487	486	306
45°	417	419	418	417	417	322
55°	332	334	333	333	331	296
65°	235	235	233	227	230	231
75°	125	123	120	116	121	132
85°	27	26	26	26	24	34
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	595.7	595.7	595.7	595.7	595.7
2.5°	599.9	597.3	590.8	596.7	594.0
5°	597.8	595.7	589.8	595.7	593.0
7.5°	594.6	593.0	587.6	593.0	590.3
10°	590.8	589.2	583.9	589.2	586.5
12.5°	585.5	584.4	579.0	584.4	581.7
15°	579.0	578.0	573.2	578.0	575.3
17.5°	572.6	570.5	565.7	571.0	568.9
20°	563.0	561.9	557.1	561.9	560.3
22.5°	553.3	552.3	548.0	552.3	551.2
25°	542.6	541.6	537.3	541.6	538.3
27.5°	530.3	530.8	526.0	528.7	527.1
30°	517.4	517.4	514.2	515.3	515.3
32.5°	503.5	503.5	498.7	501.9	501.4
35°	489.1	488.0	485.3	486.9	485.8
37.5°	471.9	471.4	469.8	470.8	469.8
40°	454.8	455.3	454.2	453.7	453.7
42.5°	437.1	438.2	436.6	436.0	435.5
45°	417.3	418.9	417.8	417.3	417.3
47.5°	399.1	399.6	398.0	397.5	395.9
50°	376.6	378.7	377.6	376.6	375.0
52.5°	354.1	357.3	355.1	354.1	354.1
55°	331.6	334.3	332.6	332.6	331.0
57.5°	308.0	310.7	308.5	308.5	306.4
60°	283.4	286.0	284.4	282.8	282.8
62.5°	258.7	260.9	260.3	257.7	256.0
65°	234.6	234.6	233.0	227.1	229.8
67.5°	207.3	206.8	204.6	198.7	202.5
70°	180.5	180.5	176.8	169.8	174.6
72.5°	151.6	153.2	148.4	143.6	148.4
75°	124.8	123.2	120.5	116.2	121.1
77.5°	99.1	96.4	93.2	91.1	93.7
80°	72.3	70.7	67.0	67.0	68.6
82.5°	49.3	47.7	45.0	45.5	43.4
85°	27.3	25.7	26.2	26.2	23.6
87.5°	11.2	11.2	11.2	10.2	9.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)