

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: P565540

Luminaire Tested: **2SNX-19SL-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565540
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-L840-CD
Description: 2FT 1900 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

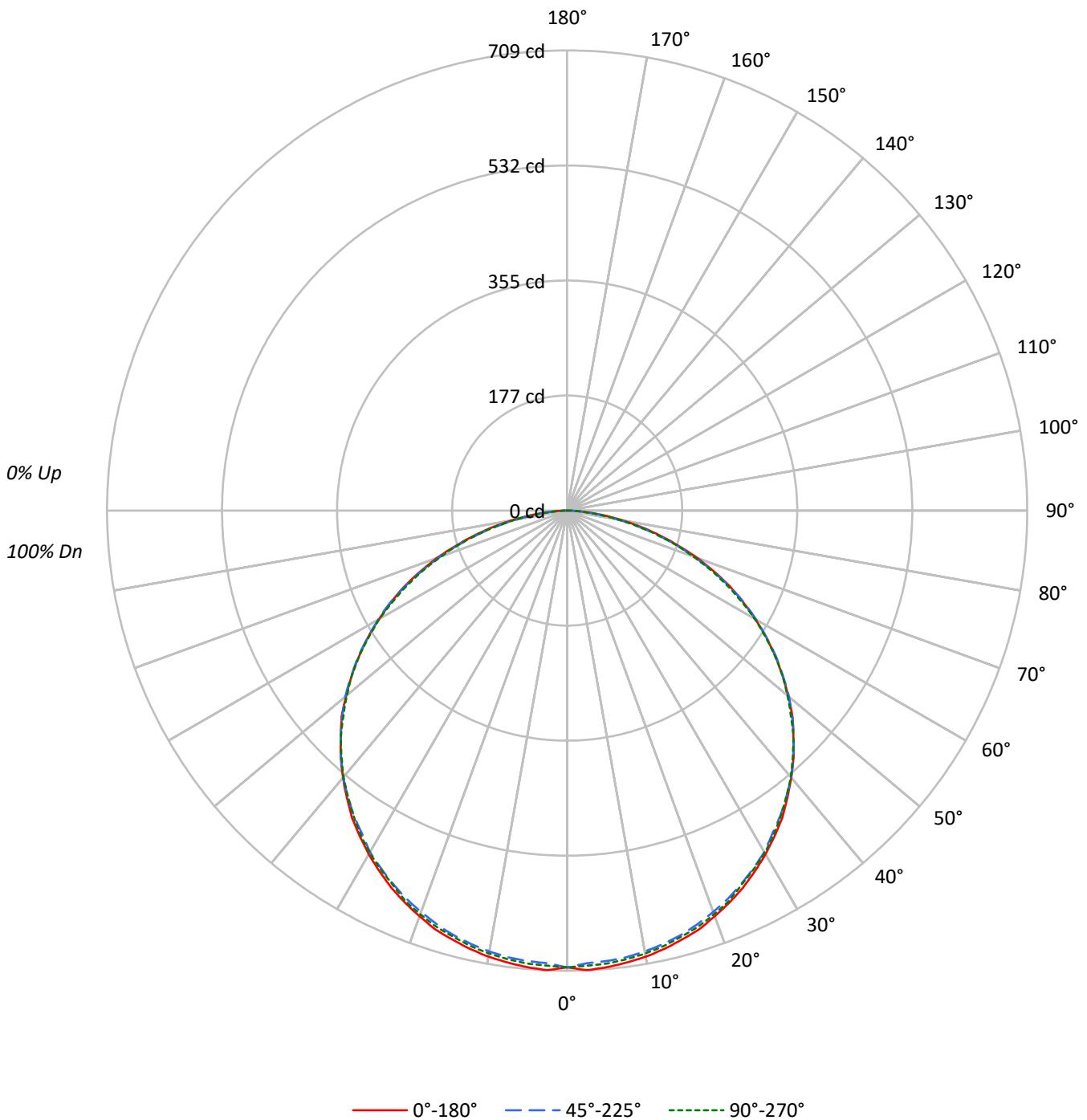
Lumens per Lamp: N/A
Luminaire Lumens: 2104.0 lumens
Efficiency: N/A
Efficacy: 175.3 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 2' x H: 0')
CIE Type: Direct

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	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°	15149	15149	15149
5°	15261	15056	15138
10°	15258	15079	15147
15°	15247	15091	15146
20°	15237	15077	15164
25°	15226	15076	15107
30°	15196	15101	15134
35°	15185	15067	15085
40°	15100	15080	15063
45°	15009	15028	15009
50°	14900	14940	14837
55°	14702	14750	14679
60°	14415	14467	14385
65°	14120	14024	13830
70°	13426	13143	12985
75°	12260	11844	11894
80°	10587	9806	10042
85°	7978	7657	6867



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.8	3.2
10°-20°	192.4	9.1
20°-30°	294.3	14.0
30°-40°	359.9	17.1
40°-50°	380.7	18.1
50°-60°	350.7	16.7
60°-70°	270.3	12.8
70°-80°	151.4	7.2
80°-90°	37.6	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°	553.4	26.3
0°-40°	913.3	43.4
0°-60°	1644.7	78.2
0°-90°	2104.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2104.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	704	704	704	704	704	
5°	706	704	697	704	700	67
15°	684	683	677	683	680	193
25°	641	640	635	640	636	295
35°	578	576	573	575	574	361
45°	493	495	494	493	493	381
55°	392	395	393	393	391	350
65°	277	277	275	268	272	273
75°	147	146	142	137	143	156
85°	32	30	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°	703.7	703.7	703.7	703.7	703.7
2.5°	708.7	705.6	698.0	704.9	701.8
5°	706.2	703.7	696.7	703.7	700.5
7.5°	702.4	700.5	694.2	700.5	697.4
10°	698.0	696.1	689.8	696.1	692.9
12.5°	691.7	690.4	684.1	690.4	687.2
15°	684.1	682.8	677.1	682.8	679.6
17.5°	676.5	673.9	668.2	674.6	672.0
20°	665.1	663.8	658.1	663.8	661.9
22.5°	653.7	652.4	647.4	652.4	651.2
25°	641.0	639.8	634.7	639.8	636.0
27.5°	626.5	627.1	621.4	624.6	622.7
30°	611.3	611.3	607.5	608.8	608.8
32.5°	594.8	594.8	589.1	592.9	592.3
35°	577.8	576.5	573.3	575.2	574.0
37.5°	557.5	556.9	555.0	556.2	555.0
40°	537.3	537.9	536.6	536.0	536.0
42.5°	516.4	517.6	515.7	515.1	514.5
45°	493.0	494.9	493.6	493.0	493.0
47.5°	471.4	472.1	470.2	469.5	467.6
50°	444.9	447.4	446.1	444.9	443.0
52.5°	418.3	422.1	419.6	418.3	418.3
55°	391.7	394.9	393.0	393.0	391.1
57.5°	363.9	367.0	364.5	364.5	362.0
60°	334.8	337.9	336.0	334.1	334.1
62.5°	305.6	308.2	307.5	304.4	302.5
65°	277.2	277.2	275.3	268.3	271.5
67.5°	244.9	244.3	241.7	234.8	239.2
70°	213.3	213.3	208.8	200.6	206.3
72.5°	179.1	181.0	175.3	169.6	175.3
75°	147.4	145.5	142.4	137.3	143.0
77.5°	117.1	113.9	110.1	107.6	110.7
80°	85.4	83.5	79.1	79.1	81.0
82.5°	58.2	56.3	53.2	53.8	51.3
85°	32.3	30.4	31.0	31.0	27.8
87.5°	13.3	13.3	13.3	12.0	10.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)