

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: P566126

Luminaire Tested: **4SNX-20SL-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566126
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: 4SNX-20SL-UNV-L830-CD
Description: 4FT 2000 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

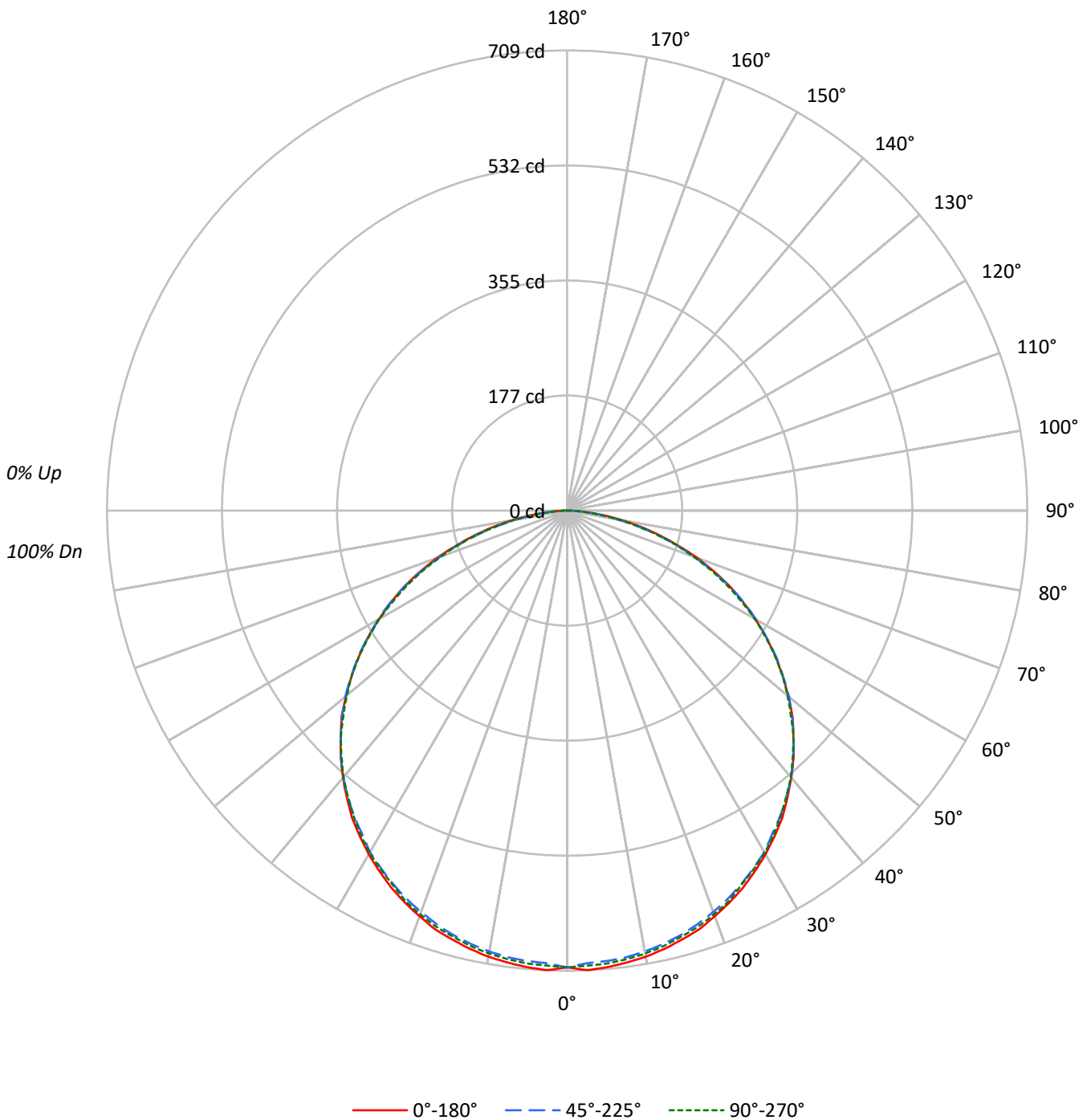
Lumens per Lamp: N/A
Luminaire Lumens: 2104.0 lumens
Efficiency: N/A
Efficacy: 173.9 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 12.1
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	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°	7575	7575	7575
5°	7631	7528	7569
10°	7629	7539	7573
15°	7623	7545	7573
20°	7619	7538	7582
25°	7613	7538	7554
30°	7598	7551	7567
35°	7592	7533	7543
40°	7550	7540	7531
45°	7505	7514	7505
50°	7450	7470	7418
55°	7351	7375	7340
60°	7208	7233	7192
65°	7060	7012	6915
70°	6713	6571	6493
75°	6130	5922	5947
80°	5294	4903	5021
85°	3989	3829	3433



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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)