

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: P566176

Luminaire Tested: **4SNX-22SL-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566176
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-22SL-UNV-L840-CD
Description: 4FT 2200 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

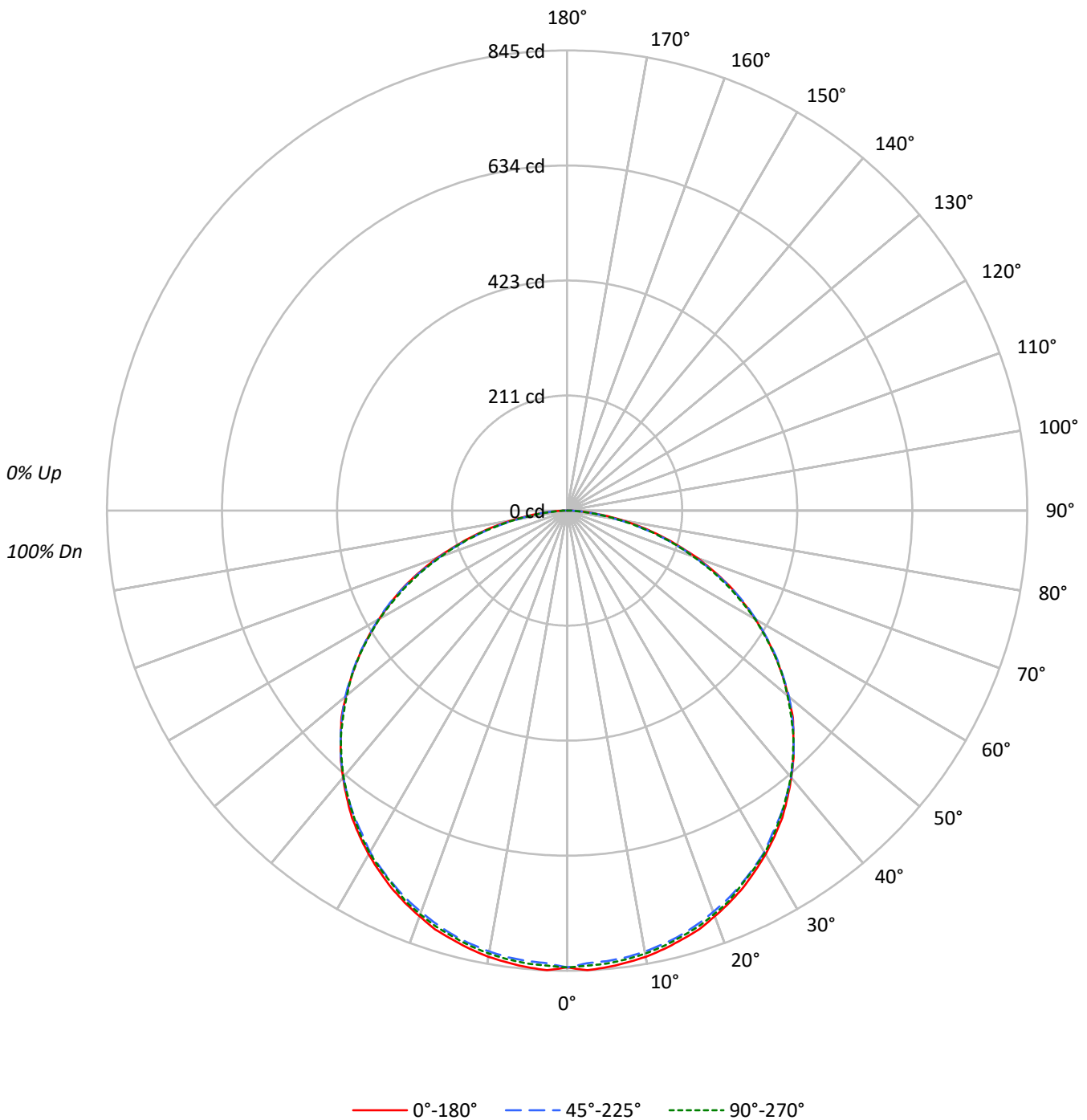
Lumens per Lamp: N/A
Luminaire Lumens: 2508.0 lumens
Efficiency: N/A
Efficacy: 181.7 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 13.8
Input Voltage (V): NR
Input Current (A_{in}): 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°	9029	9029	9029
5°	9096	8974	9022
10°	9094	8987	9028
15°	9087	8994	9027
20°	9081	8986	9038
25°	9075	8986	9004
30°	9057	9000	9020
35°	9050	8980	8991
40°	8998	8989	8977
45°	8945	8957	8945
50°	8880	8905	8842
55°	8762	8790	8749
60°	8590	8622	8575
65°	8415	8357	8242
70°	8000	7833	7739
75°	7311	7058	7091
80°	6310	5845	5988
85°	4755	4570	4100



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.6	3.2
10°-20°	229.3	9.1
20°-30°	350.8	14.0
30°-40°	429.0	17.1
40°-50°	453.8	18.1
50°-60°	418.1	16.7
60°-70°	322.2	12.8
70°-80°	180.5	7.2
80°-90°	44.9	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°	659.7	26.3
0°-40°	1088.6	43.4
0°-60°	1960.5	78.2
0°-90°	2508.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2508.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	839	839	839	839	839	
5°	842	839	830	839	835	80
15°	815	814	807	814	810	230
25°	764	763	757	763	758	352
35°	689	687	683	686	684	430
45°	588	590	588	588	588	454
55°	467	471	468	468	466	417
65°	330	330	328	320	324	325
75°	176	174	170	164	170	186
85°	38	36	37	37	33	47
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	838.8	838.8	838.8	838.8	838.8
2.5°	844.8	841.1	832.0	840.3	836.5
5°	841.8	838.8	830.5	838.8	835.0
7.5°	837.3	835.0	827.5	835.0	831.3
10°	832.0	829.7	822.2	829.7	826.0
12.5°	824.5	823.0	815.4	823.0	819.2
15°	815.4	813.9	807.1	813.9	810.1
17.5°	806.4	803.3	796.6	804.1	801.1
20°	792.8	791.3	784.5	791.3	789.0
22.5°	779.2	777.7	771.7	777.7	776.2
25°	764.1	762.6	756.6	762.6	758.1
27.5°	746.8	747.5	740.7	744.5	742.2
30°	728.7	728.7	724.1	725.7	725.7
32.5°	709.1	709.1	702.3	706.8	706.0
35°	688.7	687.2	683.4	685.7	684.2
37.5°	664.6	663.8	661.5	663.0	661.5
40°	640.4	641.2	639.7	638.9	638.9
42.5°	615.5	617.0	614.8	614.0	613.3
45°	587.6	589.9	588.4	587.6	587.6
47.5°	562.0	562.7	560.5	559.7	557.4
50°	530.3	533.3	531.8	530.3	528.0
52.5°	498.6	503.1	500.1	498.6	498.6
55°	466.9	470.7	468.4	468.4	466.2
57.5°	433.7	437.5	434.5	434.5	431.5
60°	399.0	402.8	400.5	398.3	398.3
62.5°	364.3	367.4	366.6	362.8	360.6
65°	330.4	330.4	328.1	319.8	323.6
67.5°	291.9	291.2	288.1	279.9	285.1
70°	254.2	254.2	248.9	239.1	245.9
72.5°	213.5	215.7	208.9	202.2	208.9
75°	175.8	173.5	169.7	163.7	170.5
77.5°	139.5	135.8	131.3	128.2	132.0
80°	101.8	99.6	94.3	94.3	96.6
82.5°	69.4	67.1	63.4	64.1	61.1
85°	38.5	36.2	37.0	37.0	33.2
87.5°	15.8	15.8	15.8	14.3	12.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)