

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: P566177

Luminaire Tested: **4SNX-22SL-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566177
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-L850-CD
Description: 4FT 2200 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

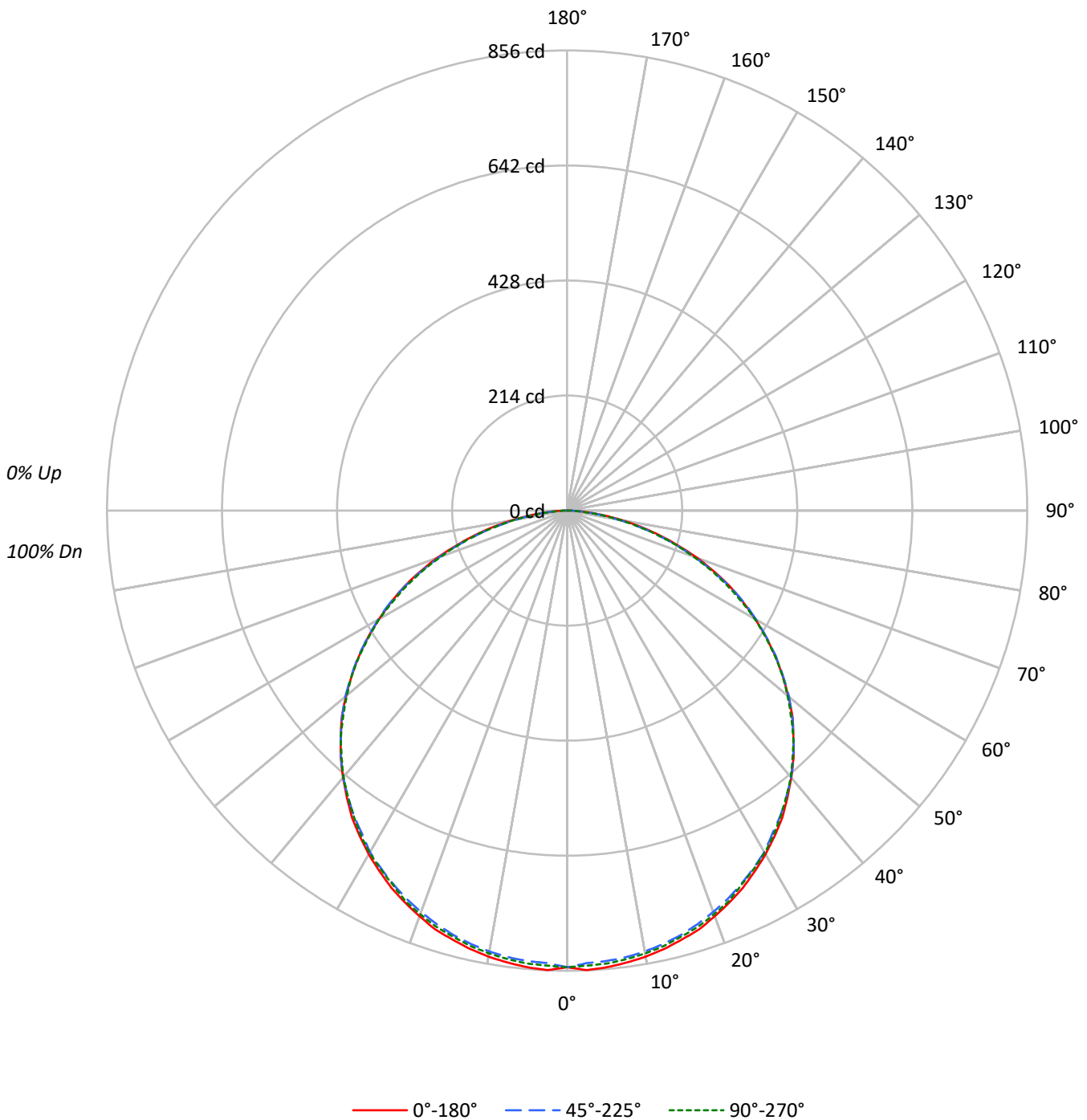
Lumens per Lamp: N/A
Luminaire Lumens: 2540.0 lumens
Efficiency: N/A
Efficacy: 184.1 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 13.8
Input Voltage (V): NR
Input Current (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: P566177

CATALOG NUMBER: 4SNX-22SL-UNV-L850-CD

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°	9144	9144	9144
5°	9212	9088	9138
10°	9210	9101	9143
15°	9202	9109	9143
20°	9197	9101	9153
25°	9191	9100	9119
30°	9173	9116	9134
35°	9165	9094	9105
40°	9114	9102	9093
45°	9059	9071	9059
50°	8992	9019	8956
55°	8875	8903	8860
60°	8699	8734	8684
65°	8522	8464	8346
70°	8101	7934	7836
75°	7403	7149	7182
80°	6391	5920	6062
85°	4817	4619	4150



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.6	3.2
10°-20°	232.2	9.1
20°-30°	355.3	14.0
30°-40°	434.4	17.1
40°-50°	459.5	18.1
50°-60°	423.4	16.7
60°-70°	326.3	12.8
70°-80°	182.8	7.2
80°-90°	45.4	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°	668.1	26.3
0°-40°	1102.5	43.4
0°-60°	1985.5	78.2
0°-90°	2540.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2540.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	850	850	850	850	850	
5°	853	850	841	850	846	81
15°	826	824	817	824	820	233
25°	774	772	766	772	768	357
35°	698	696	692	694	693	436
45°	595	597	596	595	595	460
55°	473	477	474	474	472	422
65°	335	335	332	324	328	329
75°	178	176	172	166	173	189
85°	39	37	37	37	34	48
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	849.5	849.5	849.5	849.5	849.5
2.5°	855.6	851.8	842.6	851.0	847.2
5°	852.6	849.5	841.1	849.5	845.7
7.5°	848.0	845.7	838.0	845.7	841.9
10°	842.6	840.3	832.7	840.3	836.5
12.5°	835.0	833.5	825.8	833.5	829.6
15°	825.8	824.3	817.4	824.3	820.5
17.5°	816.7	813.6	806.7	814.4	811.3
20°	802.9	801.4	794.5	801.4	799.1
22.5°	789.1	787.6	781.5	787.6	786.1
25°	773.9	772.3	766.2	772.3	767.8
27.5°	756.3	757.1	750.2	754.0	751.7
30°	738.0	738.0	733.4	734.9	734.9
32.5°	718.1	718.1	711.2	715.8	715.0
35°	697.5	695.9	692.1	694.4	692.9
37.5°	673.0	672.3	670.0	671.5	670.0
40°	648.6	649.3	647.8	647.1	647.1
42.5°	623.4	624.9	622.6	621.8	621.1
45°	595.1	597.4	595.9	595.1	595.1
47.5°	569.1	569.9	567.6	566.8	564.6
50°	537.0	540.1	538.6	537.0	534.8
52.5°	505.0	509.5	506.5	505.0	505.0
55°	472.9	476.7	474.4	474.4	472.1
57.5°	439.3	443.1	440.0	440.0	437.0
60°	404.1	407.9	405.7	403.4	403.4
62.5°	369.0	372.0	371.3	367.5	365.2
65°	334.6	334.6	332.3	323.9	327.7
67.5°	295.6	294.9	291.8	283.4	288.8
70°	257.4	257.4	252.1	242.2	249.0
72.5°	216.2	218.5	211.6	204.7	211.6
75°	178.0	175.7	171.9	165.8	172.7
77.5°	141.3	137.5	132.9	129.9	133.7
80°	103.1	100.8	95.5	95.5	97.8
82.5°	70.3	68.0	64.2	64.9	61.9
85°	39.0	36.7	37.4	37.4	33.6
87.5°	16.0	16.0	16.0	14.5	13.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)