

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: P565551

Luminaire Tested: **2SNX-23SL-FDL-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565551
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-15)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2SNX-23SL-FDL-UNV-L935-CD
Description: 2FT 2300 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

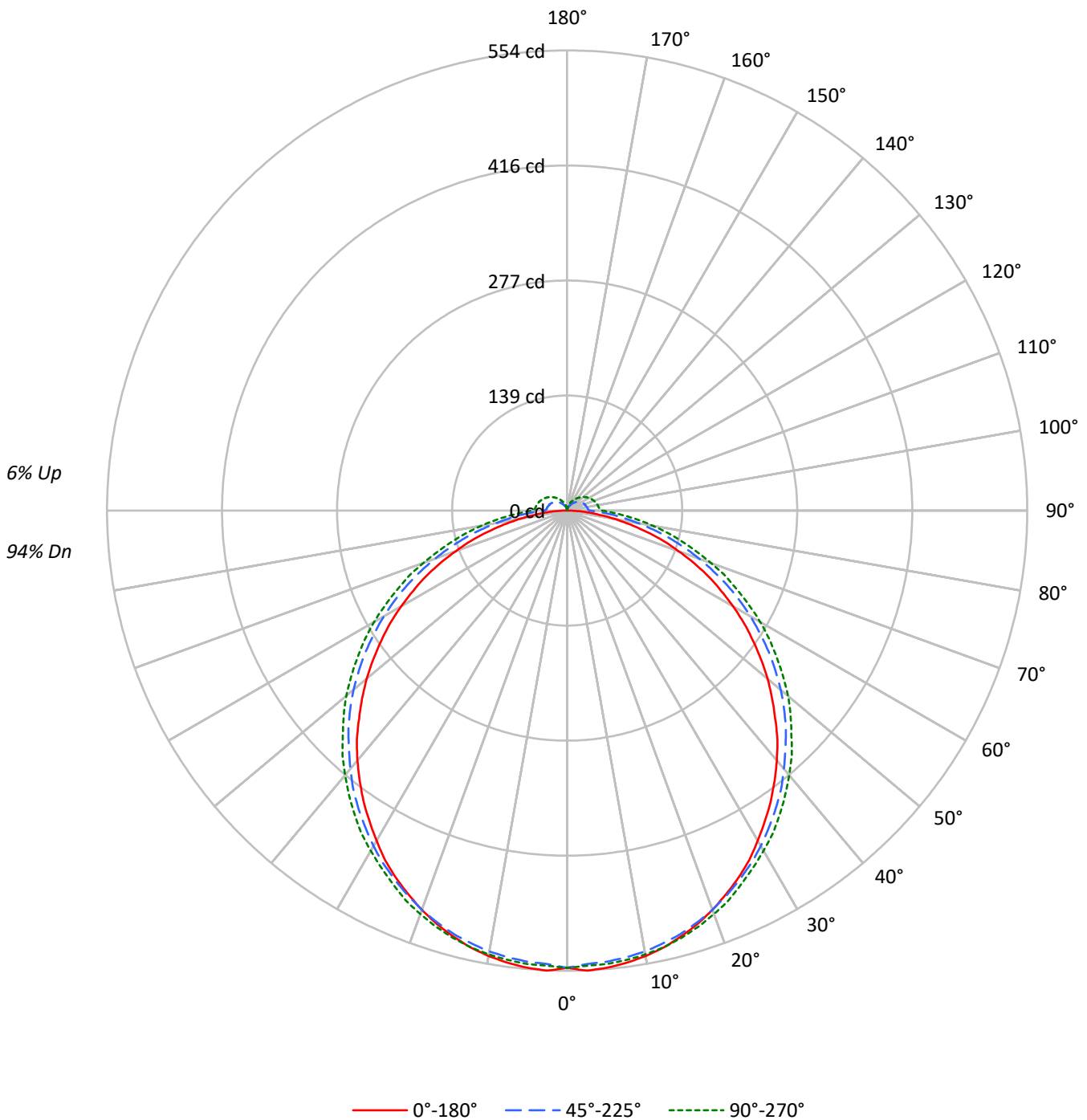
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1749.0 lumens
Efficiency: N/A
Efficacy: 117.4 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.04')
CIE Type: Direct

Input Watts (W): 14.9
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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	107	102	97	93	103	99	95	91	93	90	87	88	86	83	84	82	80	77
2	97	88	81	75	93	86	79	74	81	76	71	77	73	69	73	69	66	64
3	88	77	69	62	85	75	67	61	71	65	59	68	62	57	64	60	56	53
4	80	68	59	52	78	66	58	52	63	56	50	60	54	49	57	52	48	45
5	74	61	52	45	71	59	51	44	56	49	43	54	47	42	51	46	41	39
6	68	55	46	39	66	53	45	39	51	43	38	49	42	37	47	41	36	34
7	63	49	41	34	61	48	40	34	46	39	33	44	38	33	43	37	32	30
8	59	45	36	31	57	44	36	30	42	35	30	41	34	29	39	33	29	27
9	55	41	33	27	53	40	33	27	39	32	27	37	31	26	36	30	26	24
10	51	38	30	25	50	37	30	25	36	29	24	35	28	24	33	28	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	11849	11849	11849
5°	11918	11645	11670
10°	11859	11511	11523
15°	11760	11360	11358
20°	11628	11177	11165
25°	11475	10975	10936
30°	11274	10769	10724
35°	11071	10531	10503
40°	10846	10267	10256
45°	10567	10008	9966
50°	10294	9709	9701
55°	9958	9344	9334
60°	9575	8925	8971
65°	9167	8428	8473
70°	8484	7802	7957
75°	7648	7067	7338
80°	6420	6093	6654
85°	4828	5234	5850



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.2	3.0
10°-20°	149.8	8.6
20°-30°	227.0	13.0
30°-40°	274.0	15.7
40°-50°	286.1	16.4
50°-60°	262.9	15.0
60°-70°	207.9	11.9
70°-80°	131.6	7.5
80°-90°	56.5	3.2
90°-100°	24.9	1.4
100°-110°	22.3	1.3
110°-120°	18.8	1.1
120°-130°	14.7	0.8
130°-140°	10.2	0.6
140°-150°	6.1	0.3
150°-160°	3.0	0.2
160°-170°	1.0	0.1
170°-180°	0.2	0.0
0°-30°	429.0	24.5
0°-40°	703.0	40.2
0°-60°	1252.0	71.6
0°-90°	1647.9	94.2
90°-120°	66.0	3.8
90°-150°	96.9	5.5
90°-180°	101.0	5.8
0°-180°	1749.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	550	550	550	550	550	
5°	552	551	545	550	548	52
15°	531	531	528	533	532	150
25°	488	490	491	497	496	225
35°	427	432	438	445	446	267
45°	354	363	372	379	382	274
55°	273	284	296	306	308	244
65°	188	198	212	222	226	185
75°	99	111	127	138	143	105
85°	24	37	53	65	69	27
90°	2	13	27	38	42	2
95°	0	12	25	35	38	0
105°	0	10	23	32	36	0
115°	0	9	21	29	32	0
125°	1	8	18	25	28	1
135°	1	6	14	20	23	0
145°	1	5	10	15	17	0
155°	1	3	6	10	12	0
165°	1	2	3	5	6	0
175°	1	1	2	2	1	0
180°	1	1	1	1	1	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	550.4	550.4	550.4	550.4	550.4
2.5°	554.4	552.5	546.4	550.7	548.5
5°	552.5	551.0	545.1	549.8	547.9
7.5°	549.1	547.9	542.6	547.6	545.7
10°	544.5	543.6	538.9	543.9	542.6
12.5°	538.6	538.3	533.7	539.2	538.3
15°	530.6	530.6	527.8	533.3	532.4
17.5°	521.9	522.2	520.0	525.9	525.3
20°	511.4	512.9	511.4	517.5	516.9
22.5°	499.9	502.1	501.4	507.6	507.9
25°	487.8	490.0	490.6	497.1	496.2
27.5°	474.5	477.9	479.1	485.0	484.7
30°	459.0	463.7	466.4	471.4	472.9
32.5°	443.2	448.8	452.2	459.0	460.9
35°	427.4	432.4	437.9	444.8	446.3
37.5°	410.1	415.6	423.1	429.6	431.4
40°	392.7	398.9	406.0	413.2	416.0
42.5°	374.8	381.3	389.0	397.4	400.2
45°	354.3	363.0	372.3	379.4	381.9
47.5°	334.8	344.4	354.3	362.1	364.9
50°	315.0	325.2	335.7	342.9	347.2
52.5°	294.2	305.4	315.9	324.9	327.7
55°	273.2	284.3	296.1	305.7	307.9
57.5°	252.7	263.6	275.3	284.3	288.7
60°	230.4	242.2	254.9	263.9	268.5
62.5°	208.8	220.2	233.8	243.4	247.2
65°	188.0	198.5	212.5	222.4	225.8
67.5°	165.1	177.2	190.5	201.9	206.3
70°	142.5	153.9	169.1	179.9	184.3
72.5°	121.4	132.6	147.7	158.6	162.6
75°	99.1	110.9	127.0	137.8	143.1
77.5°	77.7	90.7	106.2	118.0	123.9
80°	57.9	69.4	86.1	99.1	104.4
82.5°	39.3	51.7	69.1	81.1	87.0
85°	24.2	37.2	53.3	64.7	68.8
87.5°	11.5	23.8	38.7	49.9	54.8
90°	1.5	13.3	27.3	38.1	42.1
92.5°	0.3	11.5	25.1	35.3	39.0
95°	0.3	11.5	24.8	34.7	38.4
97.5°	0.3	11.2	24.5	34.4	37.8
100°	0.3	10.8	24.2	33.8	37.5
102.5°	0.3	10.8	23.5	33.1	36.5
105°	0.3	10.5	23.2	32.5	35.9
107.5°	0.3	10.2	22.6	31.9	35.3
110°	0.3	9.6	22.3	31.0	34.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.3	9.3	21.7	30.4	33.5
115°	0.3	9.0	21.1	29.4	32.5
117.5°	0.3	8.7	20.1	28.5	31.6
120°	0.6	8.7	19.5	27.6	30.4
122.5°	0.6	8.4	18.6	26.3	29.1
125°	0.6	8.1	17.7	25.4	28.2
127.5°	0.6	7.7	16.7	24.2	26.6
130°	0.6	7.1	16.1	22.9	25.4
132.5°	0.6	6.8	15.2	21.4	23.8
135°	0.6	6.2	14.2	20.1	22.6
137.5°	0.6	5.9	13.3	18.9	21.1
140°	0.6	5.6	12.1	17.7	19.8
142.5°	0.6	5.0	11.2	16.4	18.3
145°	0.6	4.6	9.9	15.2	16.7
147.5°	0.6	4.0	9.0	13.9	15.5
150°	0.6	3.7	8.1	12.7	14.2
152.5°	0.6	3.4	7.1	11.2	12.7
155°	0.6	3.1	6.5	9.6	11.5
157.5°	0.6	2.8	5.6	8.4	10.2
160°	0.9	2.5	5.0	7.1	8.7
162.5°	0.9	2.2	4.0	5.9	7.7
165°	0.9	2.2	3.4	4.6	6.5
167.5°	0.9	1.9	2.8	3.7	5.3
170°	0.9	1.5	2.5	2.8	4.0
172.5°	0.9	1.2	1.9	1.9	2.2
175°	0.9	1.2	1.5	1.5	0.9
177.5°	0.9	0.9	0.9	0.9	0.6
180°	0.9	0.9	0.9	0.9	0.9

(END OF REPORT)