

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: P565553

Luminaire Tested: **2SNX-23SL-FDL-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565553
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-L950-CD
Description: 2FT 2300 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

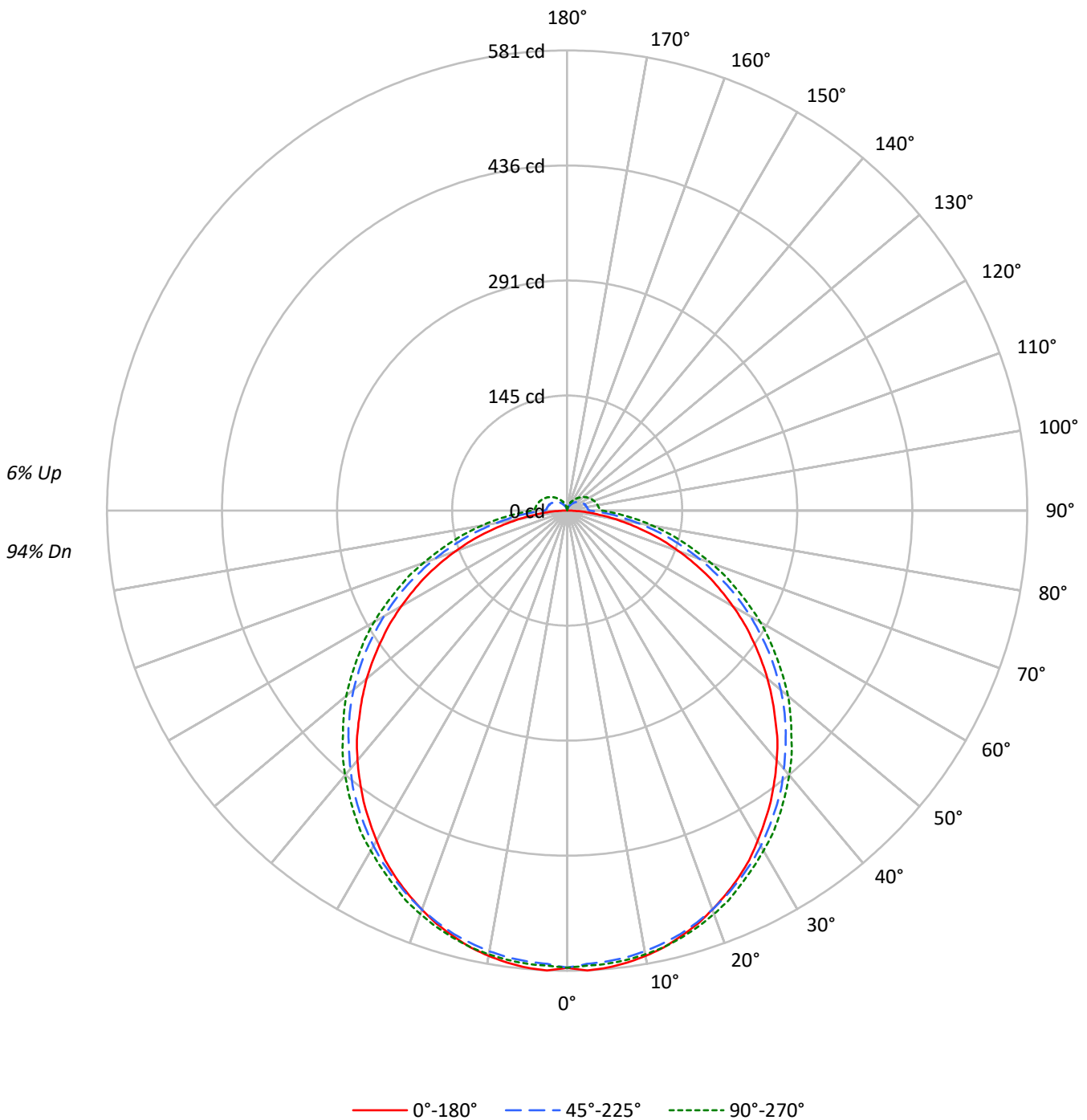
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1834.0 lumens
Efficiency: N/A
Efficacy: 123.1 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 (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	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°	12424	12424	12424
5°	12498	12211	12237
10°	12436	12071	12083
15°	12330	11911	11911
20°	12192	11719	11707
25°	12033	11507	11468
30°	11822	11294	11245
35°	11610	11043	11014
40°	11374	10768	10754
45°	11079	10494	10449
50°	10794	10183	10173
55°	10442	9799	9786
60°	10040	9359	9408
65°	9611	8837	8886
70°	8895	8180	8341
75°	8019	7412	7692
80°	6730	6390	6972
85°	5047	5489	6130



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.7	3.0
10°-20°	157.1	8.6
20°-30°	238.0	13.0
30°-40°	287.3	15.7
40°-50°	300.0	16.4
50°-60°	275.6	15.0
60°-70°	218.0	11.9
70°-80°	137.9	7.5
80°-90°	59.3	3.2
90°-100°	26.1	1.4
100°-110°	23.4	1.3
110°-120°	19.7	1.1
120°-130°	15.4	0.8
130°-140°	10.6	0.6
140°-150°	6.4	0.3
150°-160°	3.1	0.2
160°-170°	1.1	0.1
170°-180°	0.2	0.0
0°-30°	449.8	24.5
0°-40°	737.1	40.2
0°-60°	1312.8	71.6
0°-90°	1728.0	94.2
90°-120°	69.2	3.8
90°-150°	101.6	5.5
90°-180°	106.0	5.8
0°-180°	1834.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	577	577	577	577	577	
5°	579	578	572	576	574	55
15°	556	556	553	559	558	157
25°	512	514	514	521	520	236
35°	448	453	459	466	468	280
45°	372	381	390	398	400	287
55°	286	298	310	321	323	256
65°	197	208	223	233	237	194
75°	104	116	133	144	150	110
85°	25	39	56	68	72	28
90°	2	14	29	40	44	2
95°	0	12	26	36	40	0
105°	0	11	24	34	38	0
115°	0	9	22	31	34	0
125°	1	8	18	27	30	1
135°	1	6	15	21	24	0
145°	1	5	10	16	18	0
155°	1	3	7	10	12	0
165°	1	2	4	5	7	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°	577.1	577.1	577.1	577.1	577.1
2.5°	581.3	579.4	572.9	577.5	575.2
5°	579.4	577.8	571.6	576.5	574.5
7.5°	575.8	574.5	569.0	574.2	572.3
10°	571.0	570.0	565.1	570.3	569.0
12.5°	564.8	564.5	559.6	565.4	564.5
15°	556.3	556.3	553.4	559.3	558.3
17.5°	547.2	547.6	545.3	551.5	550.8
20°	536.2	537.8	536.2	542.7	542.0
22.5°	524.2	526.5	525.8	532.3	532.6
25°	511.5	513.8	514.4	521.3	520.3
27.5°	497.6	501.1	502.4	508.6	508.3
30°	481.3	486.2	489.1	494.3	495.9
32.5°	464.8	470.6	474.2	481.3	483.3
35°	448.2	453.4	459.2	466.4	468.0
37.5°	430.0	435.8	443.6	450.5	452.4
40°	411.8	418.3	425.8	433.2	436.2
42.5°	393.0	399.8	407.9	416.7	419.6
45°	371.5	380.6	390.4	397.8	400.4
47.5°	351.1	361.1	371.5	379.7	382.6
50°	330.3	341.0	352.1	359.5	364.1
52.5°	308.5	320.2	331.3	340.7	343.6
55°	286.5	298.1	310.5	320.6	322.8
57.5°	265.0	276.4	288.7	298.1	302.7
60°	241.6	254.0	267.3	276.7	281.6
62.5°	218.9	230.9	245.2	255.3	259.2
65°	197.1	208.2	222.8	233.2	236.8
67.5°	173.1	185.8	199.7	211.8	216.3
70°	149.4	161.4	177.3	188.7	193.2
72.5°	127.3	139.0	154.9	166.3	170.5
75°	103.9	116.3	133.2	144.5	150.0
77.5°	81.5	95.2	111.4	123.7	129.9
80°	60.7	72.7	90.3	103.9	109.4
82.5°	41.2	54.2	72.4	85.1	91.3
85°	25.3	39.0	55.9	67.9	72.1
87.5°	12.0	25.0	40.6	52.3	57.5
90°	1.6	14.0	28.6	39.9	44.2
92.5°	0.3	12.0	26.3	37.0	40.9
95°	0.3	12.0	26.0	36.4	40.3
97.5°	0.3	11.7	25.7	36.1	39.6
100°	0.3	11.4	25.3	35.4	39.3
102.5°	0.3	11.4	24.7	34.8	38.3
105°	0.3	11.0	24.4	34.1	37.7
107.5°	0.3	10.7	23.7	33.5	37.0
110°	0.3	10.1	23.4	32.5	36.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.3	9.7	22.7	31.8	35.1
115°	0.3	9.4	22.1	30.9	34.1
117.5°	0.3	9.1	21.1	29.9	33.1
120°	0.6	9.1	20.5	28.9	31.8
122.5°	0.6	8.8	19.5	27.6	30.5
125°	0.6	8.4	18.5	26.6	29.6
127.5°	0.6	8.1	17.5	25.3	27.9
130°	0.6	7.5	16.9	24.0	26.6
132.5°	0.6	7.1	15.9	22.4	25.0
135°	0.6	6.5	14.9	21.1	23.7
137.5°	0.6	6.2	14.0	19.8	22.1
140°	0.6	5.8	12.7	18.5	20.8
142.5°	0.6	5.2	11.7	17.2	19.2
145°	0.6	4.9	10.4	15.9	17.5
147.5°	0.6	4.2	9.4	14.6	16.2
150°	0.6	3.9	8.4	13.3	14.9
152.5°	0.6	3.6	7.5	11.7	13.3
155°	0.6	3.2	6.8	10.1	12.0
157.5°	0.6	2.9	5.8	8.8	10.7
160°	1.0	2.6	5.2	7.5	9.1
162.5°	1.0	2.3	4.2	6.2	8.1
165°	1.0	2.3	3.6	4.9	6.8
167.5°	1.0	1.9	2.9	3.9	5.5
170°	1.0	1.6	2.6	2.9	4.2
172.5°	1.0	1.3	1.9	1.9	2.3
175°	1.0	1.3	1.6	1.6	1.0
177.5°	1.0	1.0	1.0	1.0	0.6
180°	1.0	1.0	1.0	1.0	1.0

(END OF REPORT)