

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: P566090

Luminaire Tested: **4SNX-20SL-FDL-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566090
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: 4SNX-20SL-FDL-UNV-L930-CD
Description: 4FT 2000 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

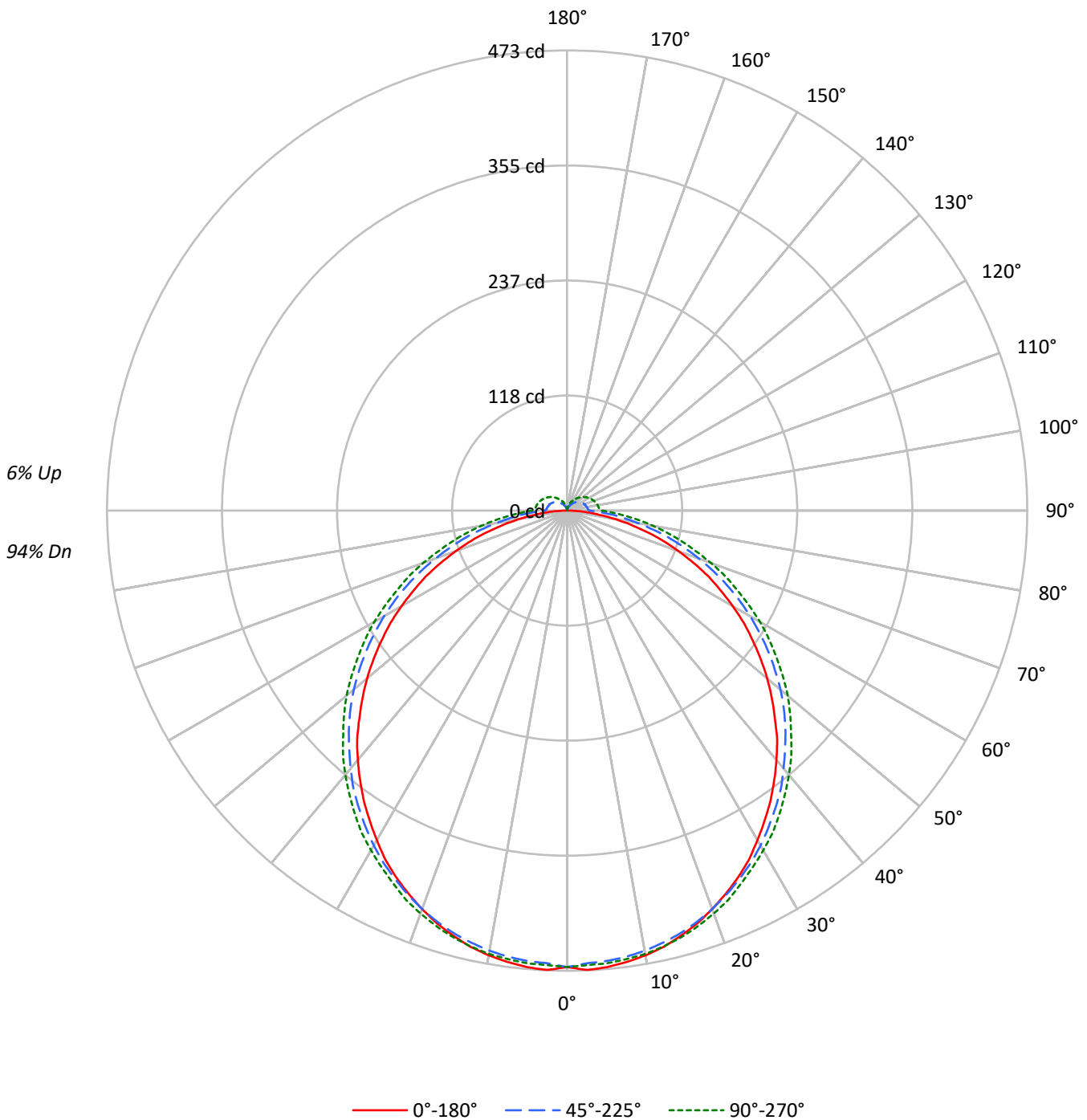
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1491.0 lumens
Efficiency: N/A
Efficacy: 123.2 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.04')
CIE Type: Direct

Input Watts (W): 12.1
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°	5050	5050	5050
5°	5085	4967	4974
10°	5064	4913	4912
15°	5026	4851	4842
20°	4974	4775	4759
25°	4916	4693	4662
30°	4834	4609	4572
35°	4754	4510	4477
40°	4664	4401	4371
45°	4551	4294	4248
50°	4441	4170	4135
55°	4307	4018	3979
60°	4153	3844	3824
65°	3994	3636	3612
70°	3717	3377	3391
75°	3383	3070	3128
80°	2891	2660	2836
85°	2273	2306	2491



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.5	3.0
10°-20°	127.7	8.6
20°-30°	193.5	13.0
30°-40°	233.6	15.7
40°-50°	243.9	16.4
50°-60°	224.1	15.0
60°-70°	177.2	11.9
70°-80°	112.2	7.5
80°-90°	48.2	3.2
90°-100°	21.2	1.4
100°-110°	19.0	1.3
110°-120°	16.1	1.1
120°-130°	12.5	0.8
130°-140°	8.7	0.6
140°-150°	5.2	0.3
150°-160°	2.5	0.2
160°-170°	0.9	0.1
170°-180°	0.1	0.0
0°-30°	365.7	24.5
0°-40°	599.3	40.2
0°-60°	1067.3	71.6
0°-90°	1404.9	94.2
90°-120°	56.3	3.8
90°-150°	82.6	5.5
90°-180°	86.0	5.8
0°-180°	1491.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	469	469	469	469	469	
5°	471	470	465	469	467	45
15°	452	452	450	455	454	128
25°	416	418	418	424	423	192
35°	364	369	373	379	380	228
45°	302	309	317	323	326	233
55°	233	242	252	261	262	208
65°	160	169	181	190	192	158
75°	84	94	108	118	122	90
85°	21	32	45	55	59	23
90°	1	11	23	32	36	2
95°	0	10	21	30	33	0
105°	0	9	20	28	31	0
115°	0	8	18	25	28	0
125°	0	7	15	22	24	0
135°	0	5	12	17	19	0
145°	0	4	8	13	14	0
155°	0	3	6	8	10	0
165°	1	2	3	4	6	0
175°	1	1	1	1	1	0
180°	1	1	1	1	1	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	469.2	469.2	469.2	469.2	469.2
2.5°	472.6	471.0	465.8	469.5	467.6
5°	471.0	469.7	464.7	468.7	467.1
7.5°	468.1	467.1	462.6	466.8	465.2
10°	464.2	463.4	459.4	463.6	462.6
12.5°	459.2	458.9	454.9	459.7	458.9
15°	452.3	452.3	449.9	454.7	453.9
17.5°	444.9	445.2	443.3	448.3	447.8
20°	435.9	437.2	435.9	441.2	440.7
22.5°	426.2	428.0	427.5	432.8	433.0
25°	415.9	417.7	418.2	423.8	423.0
27.5°	404.5	407.4	408.5	413.5	413.2
30°	391.3	395.3	397.6	401.9	403.2
32.5°	377.8	382.6	385.5	391.3	392.9
35°	364.4	368.6	373.3	379.2	380.5
37.5°	349.6	354.3	360.7	366.2	367.8
40°	334.8	340.1	346.1	352.2	354.6
42.5°	319.5	325.0	331.6	338.8	341.1
45°	302.1	309.4	317.4	323.4	325.6
47.5°	285.4	293.6	302.1	308.7	311.0
50°	268.5	277.2	286.2	292.3	296.0
52.5°	250.8	260.3	269.3	277.0	279.3
55°	232.9	242.4	252.4	260.6	262.5
57.5°	215.5	224.7	234.7	242.4	246.1
60°	196.4	206.5	217.3	225.0	228.9
62.5°	178.0	187.7	199.3	207.5	210.7
65°	160.3	169.2	181.1	189.6	192.5
67.5°	140.7	151.0	162.4	172.2	175.8
70°	121.5	131.2	144.2	153.4	157.1
72.5°	103.5	113.0	125.9	135.2	138.6
75°	84.5	94.5	108.3	117.5	122.0
77.5°	66.3	77.4	90.6	100.6	105.6
80°	49.4	59.1	73.4	84.5	89.0
82.5°	33.5	44.1	58.9	69.2	74.2
85°	20.6	31.7	45.4	55.2	58.6
87.5°	9.8	20.3	33.0	42.5	46.7
90°	1.3	11.4	23.2	32.5	35.9
92.5°	0.3	9.8	21.4	30.1	33.3
95°	0.3	9.8	21.1	29.6	32.7
97.5°	0.3	9.5	20.9	29.3	32.2
100°	0.3	9.2	20.6	28.8	31.9
102.5°	0.3	9.2	20.1	28.3	31.2
105°	0.3	9.0	19.8	27.7	30.6
107.5°	0.3	8.7	19.3	27.2	30.1
110°	0.3	8.2	19.0	26.4	29.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.3	7.9	18.5	25.9	28.5
115°	0.3	7.7	18.0	25.1	27.7
117.5°	0.3	7.4	17.2	24.3	26.9
120°	0.5	7.4	16.6	23.5	25.9
122.5°	0.5	7.1	15.8	22.4	24.8
125°	0.5	6.9	15.0	21.7	24.0
127.5°	0.5	6.6	14.3	20.6	22.7
130°	0.5	6.1	13.7	19.5	21.7
132.5°	0.5	5.8	12.9	18.2	20.3
135°	0.5	5.3	12.1	17.2	19.3
137.5°	0.5	5.0	11.4	16.1	18.0
140°	0.5	4.8	10.3	15.0	16.9
142.5°	0.5	4.2	9.5	14.0	15.6
145°	0.5	4.0	8.4	12.9	14.3
147.5°	0.5	3.4	7.7	11.9	13.2
150°	0.5	3.2	6.9	10.8	12.1
152.5°	0.5	2.9	6.1	9.5	10.8
155°	0.5	2.6	5.5	8.2	9.8
157.5°	0.5	2.4	4.8	7.1	8.7
160°	0.8	2.1	4.2	6.1	7.4
162.5°	0.8	1.8	3.4	5.0	6.6
165°	0.8	1.8	2.9	4.0	5.5
167.5°	0.8	1.6	2.4	3.2	4.5
170°	0.8	1.3	2.1	2.4	3.4
172.5°	0.8	1.1	1.6	1.6	1.8
175°	0.8	1.1	1.3	1.3	0.8
177.5°	0.8	0.8	0.8	0.8	0.5
180°	0.8	0.8	0.8	0.8	0.8

(END OF REPORT)