

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: P565498

Luminaire Tested: **2SNX-19SL-FDL-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565498
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-19SL-FDL-UNV-L830-CD
Description: 2FT 1900 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

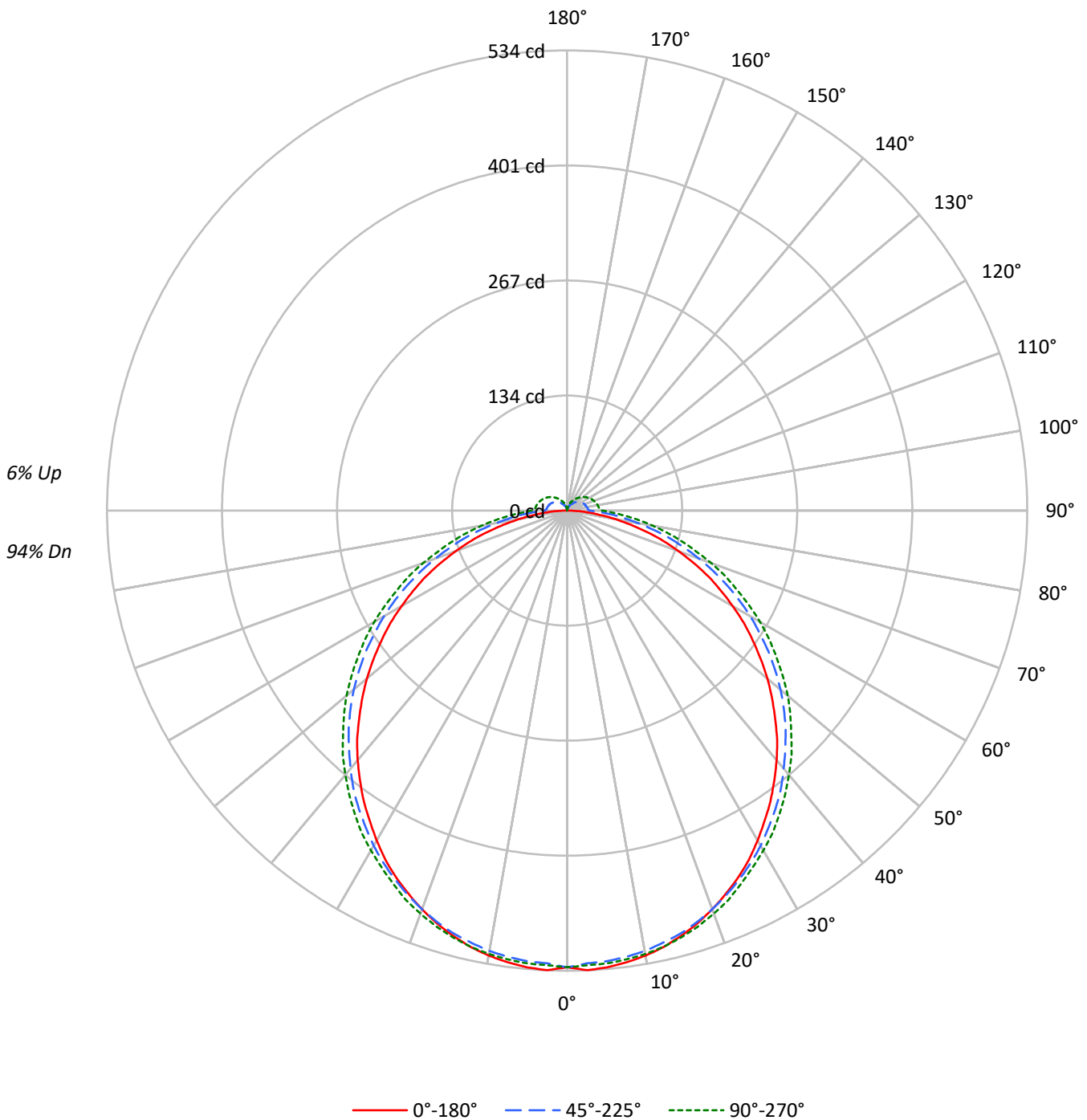
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1684.0 lumens
Efficiency: N/A
Efficacy: 140.3 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): 12
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	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°	11408	11408	11408
5°	11476	11213	11235
10°	11419	11084	11096
15°	11321	10938	10936
20°	11193	10759	10750
25°	11050	10568	10529
30°	10857	10370	10327
35°	10659	10141	10113
40°	10443	9888	9874
45°	10176	9637	9595
50°	9912	9350	9341
55°	9586	8997	8986
60°	9221	8593	8637
65°	8826	8115	8158
70°	8168	7511	7659
75°	7363	6805	7066
80°	6187	5866	6405
85°	4648	5037	5629



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.3	3.0
10°-20°	144.2	8.6
20°-30°	218.5	13.0
30°-40°	263.8	15.7
40°-50°	275.5	16.4
50°-60°	253.1	15.0
60°-70°	200.1	11.9
70°-80°	126.7	7.5
80°-90°	54.5	3.2
90°-100°	24.0	1.4
100°-110°	21.4	1.3
110°-120°	18.1	1.1
120°-130°	14.1	0.8
130°-140°	9.8	0.6
140°-150°	5.9	0.3
150°-160°	2.9	0.2
160°-170°	1.0	0.1
170°-180°	0.1	0.0
0°-30°	413.0	24.5
0°-40°	676.8	40.2
0°-60°	1205.4	71.6
0°-90°	1586.7	94.2
90°-120°	63.5	3.8
90°-150°	93.3	5.5
90°-180°	97.0	5.8
0°-180°	1684.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	530	530	530	530	530	
5°	532	530	525	529	528	51
15°	511	511	508	514	513	144
25°	470	472	472	479	478	216
35°	412	416	422	428	430	257
45°	341	350	358	365	368	264
55°	263	274	285	294	296	235
65°	181	191	205	214	217	178
75°	95	107	122	133	138	101
85°	23	36	51	62	66	26
90°	2	13	26	37	41	2
95°	0	11	24	33	37	0
105°	0	10	22	31	35	0
115°	0	9	20	28	31	0
125°	1	8	17	24	27	1
135°	1	6	14	19	22	0
145°	1	4	10	15	16	0
155°	1	3	6	9	11	0
165°	1	2	3	4	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°	529.9	529.9	529.9	529.9	529.9
2.5°	533.8	532.0	526.0	530.2	528.1
5°	532.0	530.5	524.9	529.3	527.5
7.5°	528.7	527.5	522.5	527.2	525.4
10°	524.3	523.4	518.9	523.7	522.5
12.5°	518.6	518.3	513.8	519.2	518.3
15°	510.8	510.8	508.2	513.5	512.6
17.5°	502.5	502.8	500.7	506.4	505.8
20°	492.3	493.8	492.3	498.3	497.7
22.5°	481.3	483.4	482.8	488.8	489.1
25°	469.7	471.8	472.4	478.6	477.7
27.5°	456.9	460.1	461.3	467.0	466.7
30°	442.0	446.4	449.1	453.9	455.4
32.5°	426.7	432.1	435.4	442.0	443.7
35°	411.5	416.3	421.7	428.2	429.7
37.5°	394.8	400.2	407.4	413.6	415.4
40°	378.1	384.1	391.0	397.8	400.5
42.5°	360.8	367.1	374.6	382.6	385.3
45°	341.2	349.5	358.5	365.3	367.7
47.5°	322.4	331.6	341.2	348.6	351.3
50°	303.3	313.1	323.3	330.1	334.3
52.5°	283.3	294.0	304.2	312.8	315.5
55°	263.0	273.8	285.1	294.3	296.4
57.5°	243.3	253.8	265.1	273.8	277.9
60°	221.9	233.2	245.4	254.1	258.5
62.5°	201.0	212.0	225.2	234.4	238.0
65°	181.0	191.2	204.6	214.1	217.4
67.5°	158.9	170.6	183.4	194.4	198.6
70°	137.2	148.2	162.8	173.3	177.4
72.5°	116.9	127.6	142.2	152.7	156.6
75°	95.4	106.8	122.3	132.7	137.8
77.5°	74.9	87.4	102.3	113.6	119.3
80°	55.8	66.8	82.9	95.4	100.5
82.5°	37.9	49.8	66.5	78.1	83.8
85°	23.3	35.8	51.3	62.3	66.2
87.5°	11.0	23.0	37.3	48.0	52.8
90°	1.5	12.8	26.2	36.7	40.6
92.5°	0.3	11.0	24.2	34.0	37.6
95°	0.3	11.0	23.9	33.4	37.0
97.5°	0.3	10.7	23.6	33.1	36.4
100°	0.3	10.4	23.3	32.5	36.1
102.5°	0.3	10.4	22.7	31.9	35.2
105°	0.3	10.1	22.4	31.3	34.6
107.5°	0.3	9.8	21.8	30.7	34.0
110°	0.3	9.2	21.5	29.8	33.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.3	8.9	20.9	29.2	32.2
115°	0.3	8.6	20.3	28.3	31.3
117.5°	0.3	8.3	19.4	27.4	30.4
120°	0.6	8.3	18.8	26.5	29.2
122.5°	0.6	8.1	17.9	25.3	28.0
125°	0.6	7.8	17.0	24.5	27.1
127.5°	0.6	7.5	16.1	23.3	25.6
130°	0.6	6.9	15.5	22.1	24.5
132.5°	0.6	6.6	14.6	20.6	23.0
135°	0.6	6.0	13.7	19.4	21.8
137.5°	0.6	5.7	12.8	18.2	20.3
140°	0.6	5.4	11.6	17.0	19.1
142.5°	0.6	4.8	10.7	15.8	17.6
145°	0.6	4.5	9.5	14.6	16.1
147.5°	0.6	3.9	8.6	13.4	14.9
150°	0.6	3.6	7.8	12.2	13.7
152.5°	0.6	3.3	6.9	10.7	12.2
155°	0.6	3.0	6.3	9.2	11.0
157.5°	0.6	2.7	5.4	8.1	9.8
160°	0.9	2.4	4.8	6.9	8.3
162.5°	0.9	2.1	3.9	5.7	7.5
165°	0.9	2.1	3.3	4.5	6.3
167.5°	0.9	1.8	2.7	3.6	5.1
170°	0.9	1.5	2.4	2.7	3.9
172.5°	0.9	1.2	1.8	1.8	2.1
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)