

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: P565530

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565530
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2SNX-19SL-SLW-UNV-L830-CD
Description: 2FT 1900 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

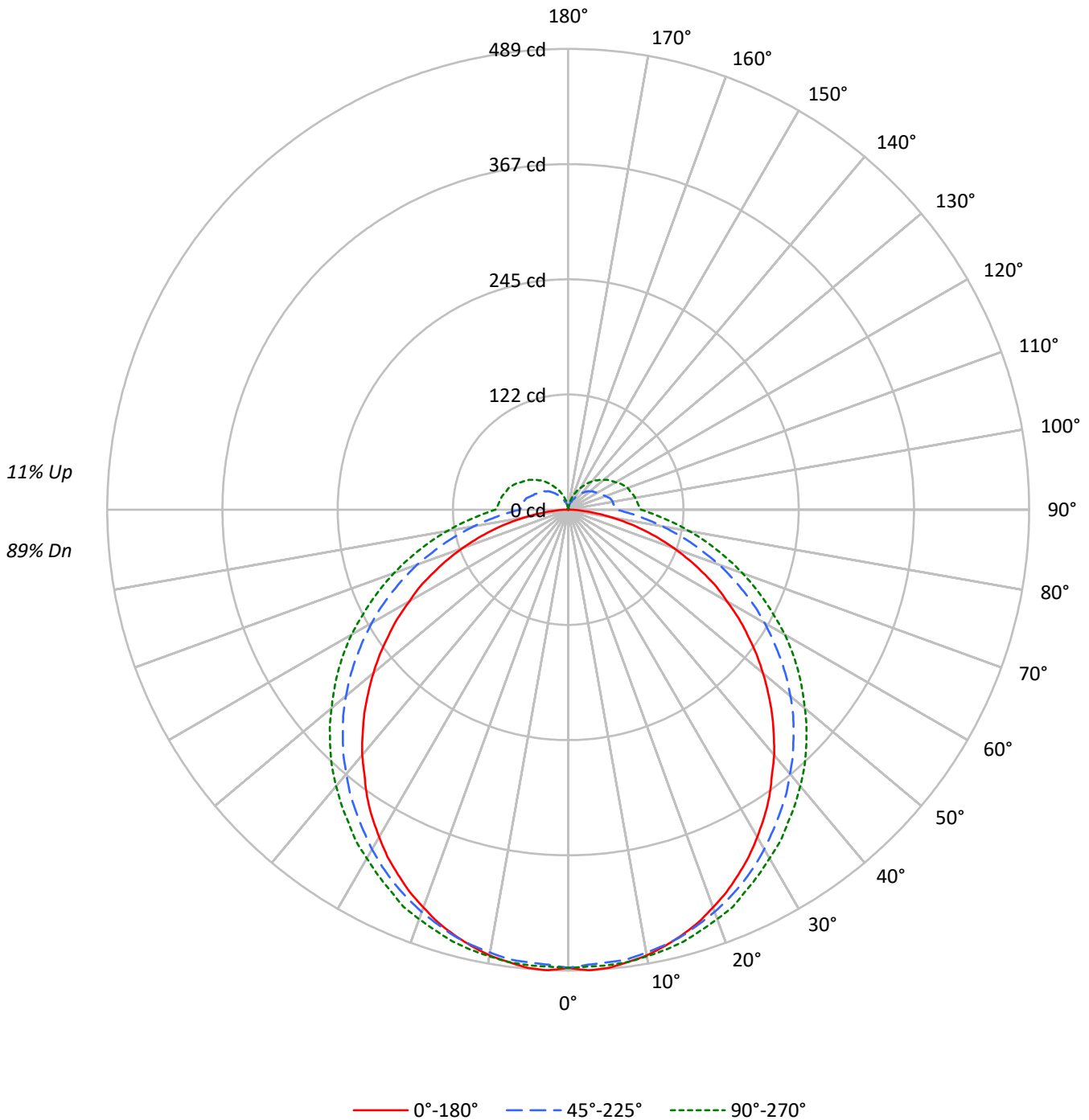
Lumens per Lamp: N/A
Luminaire Lumens: 1731.0 lumens
Efficiency: N/A
Efficacy: 144.2 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 12
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: P565530

CATALOG NUMBER: 2SNX-19SL-SLW-UNV-L830-CD

Luminous Intensity Polar Plot





TEST NUMBER: P565530

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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	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89
1	105	100	95	90	101	96	92	88	90	86	83	84	81	79	79	76	74	71
2	95	86	79	73	91	83	76	71	78	72	68	73	68	64	68	65	61	58
3	86	75	67	60	83	73	65	59	68	61	56	64	58	54	60	55	51	49
4	79	66	57	50	75	64	56	49	60	53	47	57	50	46	53	48	44	41
5	72	59	50	43	69	57	49	42	54	46	41	51	44	39	48	42	38	35
6	67	53	44	37	64	51	43	37	48	41	35	46	39	34	43	38	33	31
7	62	48	39	33	59	47	38	32	44	37	31	42	35	30	39	34	29	27
8	57	44	35	29	55	42	34	29	40	33	28	38	32	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	28	24	22
10	50	37	29	24	48	36	28	23	34	27	23	32	26	22	31	25	21	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10467	10467	10467
5°	10512	10185	10189
10°	10421	9967	9937
15°	10298	9745	9705
20°	10136	9493	9447
25°	9952	9244	9176
30°	9735	8975	8909
35°	9500	8694	8657
40°	9231	8417	8418
45°	8939	8138	8158
50°	8607	7841	7866
55°	8242	7486	7582
60°	7813	7108	7263
65°	7363	6683	6861
70°	6741	6215	6468
75°	5920	5626	6033
80°	4626	5028	5603
85°	3016	4499	5167



TEST NUMBER: P565530

CATALOG NUMBER: 2SNX-19SL-SLW-UNV-L830-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.2	2.7
10°-20°	132.7	7.7
20°-30°	201.8	11.7
30°-40°	245.0	14.2
40°-50°	258.9	15.0
50°-60°	242.3	14.0
60°-70°	198.8	11.5
70°-80°	136.7	7.9
80°-90°	74.9	4.3
90°-100°	48.2	2.8
100°-110°	43.3	2.5
110°-120°	35.8	2.1
120°-130°	27.6	1.6
130°-140°	19.4	1.1
140°-150°	11.7	0.7
150°-160°	5.6	0.3
160°-170°	1.8	0.1
170°-180°	0.2	0.0
0°-30°	380.8	22.0
0°-40°	625.8	36.2
0°-60°	1127.0	65.1
0°-90°	1537.4	88.8
90°-120°	127.3	7.4
90°-150°	185.9	10.7
90°-180°	194.0	11.2
0°-180°	1731.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	486	486	486	486	486	
5°	488	487	482	486	485	46
15°	467	469	468	474	474	132
25°	427	432	437	446	446	197
35°	372	381	392	403	406	232
45°	306	320	338	353	357	236
55°	233	252	275	292	298	208
65°	157	178	206	225	231	156
75°	82	104	134	155	162	87
85°	18	43	73	93	100	21
90°	0	24	51	70	77	1
95°	0	23	49	67	74	0
105°	0	19	46	63	69	1
115°	1	17	39	56	63	1
125°	1	14	33	48	54	1
135°	1	11	27	39	44	1
145°	1	8	19	30	33	1
155°	1	5	12	19	22	0
165°	1	3	6	9	11	0
175°	1	1	2	2	1	0
180°	1	1	1	1	1	



TEST NUMBER: P565530

CATALOG NUMBER: 2SNX-19SL-SLW-UNV-L830-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	486.2	486.2	486.2	486.2	486.2
2.5°	489.2	488.2	483.2	487.2	485.2
5°	488.2	487.2	482.2	486.2	485.2
7.5°	484.2	484.2	481.2	485.2	484.2
10°	480.2	480.2	477.2	482.2	481.2
12.5°	474.2	475.2	473.2	479.2	478.2
15°	467.2	469.2	468.2	474.2	474.2
17.5°	459.2	461.2	461.2	468.2	468.2
20°	449.1	452.2	454.2	462.2	462.2
22.5°	439.1	443.1	446.1	453.2	456.2
25°	427.1	432.1	437.1	446.1	446.1
27.5°	415.1	421.1	427.1	436.1	437.1
30°	401.0	408.0	416.1	425.1	427.1
32.5°	387.0	396.0	404.0	415.1	418.1
35°	372.0	381.0	392.0	403.0	406.0
37.5°	354.9	365.9	380.0	392.0	395.0
40°	339.9	351.9	365.9	380.0	383.0
42.5°	322.8	335.9	352.9	365.9	370.9
45°	305.8	319.8	337.9	352.9	356.9
47.5°	287.7	303.8	323.8	337.9	342.9
50°	269.7	286.7	307.8	323.8	327.8
52.5°	251.6	269.7	291.7	307.8	312.8
55°	232.6	251.6	274.7	291.7	297.8
57.5°	214.5	233.6	257.7	275.7	281.7
60°	194.5	216.6	240.6	258.7	265.7
62.5°	177.5	197.5	223.6	241.6	247.6
65°	157.4	178.5	205.5	224.6	230.6
67.5°	138.4	160.4	187.5	207.5	213.5
70°	119.3	141.4	170.4	189.5	196.5
72.5°	100.3	123.3	151.4	172.4	179.5
75°	82.2	104.3	134.3	155.4	162.4
77.5°	63.2	87.2	117.3	138.4	146.4
80°	46.1	71.2	101.3	122.3	130.3
82.5°	31.1	56.1	86.2	107.3	115.3
85°	18.0	43.1	73.2	93.2	100.3
87.5°	9.0	33.1	61.2	81.2	88.2
90°	0.0	24.1	51.1	70.2	77.2
92.5°	0.0	23.1	50.1	68.2	75.2
95°	0.0	23.1	49.1	67.2	74.2
97.5°	0.0	22.1	48.1	67.2	73.2
100°	0.0	21.1	48.1	66.2	72.2
102.5°	0.0	20.1	47.1	65.2	71.2
105°	0.0	19.0	46.1	63.2	69.2
107.5°	1.0	19.0	44.1	62.2	68.2
110°	1.0	18.0	42.1	61.2	67.2



TEST NUMBER: P565530

CATALOG NUMBER: 2SNX-19SL-SLW-UNV-L830-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.0	17.0	40.1	59.2	65.2
115°	1.0	17.0	39.1	56.1	63.2
117.5°	1.0	16.0	37.1	54.1	61.2
120°	1.0	16.0	36.1	52.1	58.1
122.5°	1.0	15.0	34.1	50.1	56.1
125°	1.0	14.0	33.1	48.1	54.1
127.5°	1.0	13.0	32.1	46.1	52.1
130°	1.0	12.0	30.1	44.1	49.1
132.5°	1.0	12.0	29.1	41.1	47.1
135°	1.0	11.0	27.1	39.1	44.1
137.5°	1.0	10.0	25.1	37.1	42.1
140°	1.0	9.0	23.1	35.1	39.1
142.5°	1.0	9.0	21.1	32.1	36.1
145°	1.0	8.0	19.0	30.1	33.1
147.5°	1.0	7.0	17.0	27.1	30.1
150°	1.0	7.0	15.0	24.1	27.1
152.5°	1.0	6.0	13.0	22.1	25.1
155°	1.0	5.0	12.0	19.0	22.1
157.5°	1.0	5.0	10.0	16.0	19.0
160°	1.0	4.0	9.0	13.0	16.0
162.5°	1.0	4.0	8.0	11.0	14.0
165°	1.0	3.0	6.0	9.0	11.0
167.5°	1.0	3.0	5.0	7.0	9.0
170°	1.0	2.0	4.0	5.0	7.0
172.5°	1.0	2.0	3.0	3.0	3.0
175°	1.0	1.0	2.0	2.0	1.0
177.5°	1.0	1.0	1.0	1.0	1.0
180°	1.0	1.0	1.0	1.0	1.0

(END OF REPORT)