

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: P565562

Luminaire Tested: **2SNX-23SL-LN-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565562
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-6)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2SNX-23SL-LN-UNV-L830-CD
Description: 2FT 2300 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

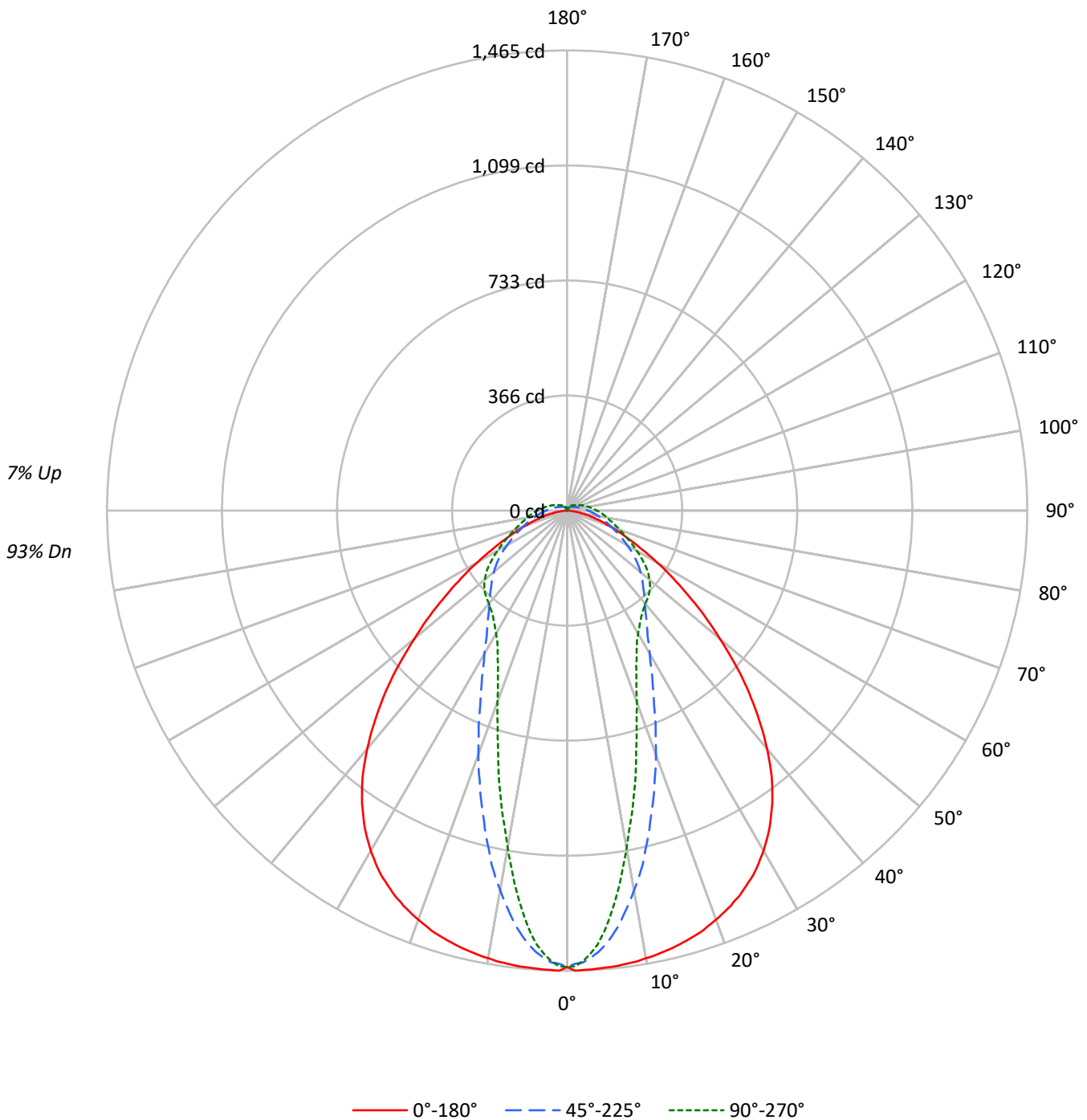
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2316.0 lumens
Efficiency: N/A
Efficacy: 155.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.17')
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	50	30	10	0	
RCR																						
0	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93				
1	107	103	99	95	104	100	96	93	94	91	88	89	87	85	85	83	81	78				
2	99	91	84	79	95	88	82	77	84	79	75	79	75	72	76	72	69	67				
3	91	81	73	67	88	79	72	66	75	69	64	71	66	62	68	64	60	58				
4	84	73	64	58	81	71	63	57	67	61	56	64	59	54	62	57	53	51				
5	78	66	57	51	75	64	56	51	61	55	49	59	53	48	56	51	47	45				
6	72	60	51	45	70	59	51	45	56	49	44	54	48	43	52	46	42	40				
7	67	55	47	41	65	54	46	41	52	45	40	50	44	39	48	42	38	36				
8	63	51	43	37	61	50	42	37	48	41	36	46	40	36	44	39	35	33				
9	59	47	39	34	58	46	39	34	44	38	33	43	37	33	41	36	32	30				
10	56	44	36	31	54	43	36	31	41	35	31	40	34	30	39	34	30	28				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	31278	31278	31278
5°	31327	28677	27511
10°	31169	24530	21344
15°	31039	19967	15997
20°	30820	15873	11972
25°	30417	12413	9502
30°	29651	10026	8104
35°	28271	8467	7373
40°	26014	7460	6978
45°	22991	6810	6762
50°	19340	6253	6388
55°	15754	5651	5833
60°	12469	4957	5117
65°	9546	4340	4453
70°	7273	3825	3939
75°	5469	3423	3589
80°	3679	3115	3337
85°	1847	2886	3201



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.7	5.6
10°-20°	301.6	13.0
20°-30°	358.0	15.5
30°-40°	360.2	15.6
40°-50°	334.8	14.5
50°-60°	275.7	11.9
60°-70°	194.3	8.4
70°-80°	126.9	5.5
80°-90°	81.0	3.5
90°-100°	53.1	2.3
100°-110°	36.1	1.6
110°-120°	24.7	1.1
120°-130°	17.1	0.7
130°-140°	11.5	0.5
140°-150°	7.1	0.3
150°-160°	3.7	0.2
160°-170°	1.3	0.1
170°-180°	0.2	0.0
0°-30°	788.2	34.0
0°-40°	1148.4	49.6
0°-60°	1758.9	75.9
0°-90°	2161.1	93.3
90°-120°	114.0	4.9
90°-150°	149.7	6.5
90°-180°	155.0	6.7
0°-180°	2316.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1453	1453	1453	1453	1453	
5°	1460	1441	1389	1362	1347	139
15°	1424	1272	1023	895	846	402
25°	1330	983	652	547	524	612
35°	1138	665	442	414	412	708
45°	818	438	342	360	370	628
55°	470	288	265	294	303	424
65°	221	174	182	205	212	224
75°	86	90	123	144	150	93
85°	15	41	82	107	112	18
90°	0	28	67	91	95	1
95°	0	21	56	76	80	0
105°	0	15	38	53	58	0
115°	1	12	27	39	41	1
125°	1	10	22	28	30	1
135°	1	8	17	22	23	1
145°	1	6	12	17	18	1
155°	1	5	8	12	13	1
165°	1	2	5	6	7	0
175°	2	2	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°	1452.9	1452.9	1452.9	1452.9	1452.9
1°	1465.0	1459.0	1443.2	1454.1	1451.7
2°	1463.8	1457.8	1439.5	1444.4	1435.9
3°	1462.6	1454.1	1426.2	1425.0	1412.8
4°	1461.4	1448.0	1409.2	1394.6	1384.9
5°	1460.2	1440.8	1388.6	1361.9	1347.3
6°	1459.0	1432.3	1361.9	1321.8	1301.2
7°	1456.5	1418.9	1333.9	1279.3	1252.6
8°	1454.1	1406.8	1298.7	1233.2	1200.4
9°	1451.7	1391.0	1263.5	1183.4	1144.6
10°	1446.8	1375.2	1227.1	1132.5	1091.2
11°	1444.4	1357.0	1191.9	1083.9	1035.4
12°	1439.5	1337.6	1154.3	1032.9	990.4
13°	1434.7	1317.0	1108.2	989.2	938.3
14°	1429.8	1295.1	1068.1	940.7	893.3
15°	1423.8	1272.0	1023.2	894.6	846.0
16°	1417.7	1245.3	983.2	847.2	796.2
17°	1411.6	1219.9	945.5	803.5	757.4
18°	1404.3	1194.4	901.8	761.0	716.1
19°	1394.6	1165.2	866.6	722.2	680.9
20°	1386.1	1138.5	826.6	685.8	649.4
21°	1376.4	1105.8	786.5	651.8	615.4
22.5°	1361.9	1059.6	735.6	609.3	575.3
23°	1354.6	1046.3	714.9	593.5	564.4
24°	1344.9	1011.1	680.9	569.3	540.1
25°	1330.3	983.2	651.8	547.4	524.4
26°	1317.0	949.2	622.7	528.0	504.9
27°	1303.6	916.4	597.2	507.4	487.9
28°	1286.6	882.4	569.3	490.4	473.4
29°	1268.4	850.9	546.2	475.8	462.5
30°	1250.2	815.7	526.8	462.5	451.5
32.5°	1199.2	738.0	477.0	437.0	429.7
35°	1138.5	665.2	441.8	413.9	411.5
37.5°	1070.6	598.4	410.3	395.7	398.1
40°	990.4	537.7	383.6	382.3	387.2
42.5°	905.5	485.5	362.9	371.4	378.7
45°	818.1	438.2	342.3	360.5	370.2
47.5°	727.1	396.9	324.1	347.1	358.1
50°	634.8	356.9	304.7	331.4	342.3
52.5°	552.3	321.7	285.2	313.2	325.3
55°	469.7	287.7	264.6	293.7	303.4
57.5°	398.1	256.1	242.8	271.9	279.2
60°	331.4	225.8	220.9	247.6	256.1
62.5°	270.7	199.1	200.3	225.8	234.3
65°	220.9	173.6	182.1	205.1	212.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	179.6	149.3	163.9	188.1	194.2
70°	142.0	127.4	149.3	171.1	177.2
72.5°	112.9	108.0	134.7	157.8	162.6
75°	86.2	89.8	122.6	144.4	150.5
77.5°	61.9	75.3	110.5	133.5	138.4
80°	43.7	61.9	100.7	123.8	128.7
82.5°	27.9	51.0	91.0	115.3	120.2
85°	14.6	41.3	82.5	106.8	111.7
87.5°	6.1	34.0	74.0	98.3	103.2
90°	0.0	27.9	66.8	91.0	94.7
92.5°	0.0	24.3	60.7	83.8	87.4
95°	0.0	20.6	55.8	76.5	80.1
97.5°	0.0	19.4	49.8	70.4	74.0
100°	0.0	17.0	44.9	64.3	69.2
102.5°	0.0	15.8	41.3	58.3	63.1
105°	0.0	14.6	37.6	53.4	58.3
107.5°	0.0	13.4	35.2	49.8	53.4
110°	0.0	13.4	31.6	46.1	49.8
112.5°	1.2	12.1	29.1	41.3	44.9
115°	1.2	12.1	26.7	38.8	41.3
117.5°	1.2	12.1	25.5	35.2	37.6
120°	1.2	10.9	24.3	32.8	35.2
122.5°	1.2	10.9	23.1	30.3	31.6
125°	1.2	9.7	21.8	27.9	30.3
127.5°	1.2	9.7	20.6	26.7	27.9
130°	1.2	9.7	19.4	24.3	26.7
132.5°	1.2	8.5	18.2	23.1	24.3
135°	1.2	8.5	17.0	21.8	23.1
137.5°	1.2	7.3	15.8	20.6	21.8
140°	1.2	7.3	14.6	19.4	20.6
142.5°	1.2	6.1	13.4	18.2	19.4
145°	1.2	6.1	12.1	17.0	18.2
147.5°	1.2	6.1	10.9	15.8	17.0
150°	1.2	4.9	9.7	14.6	15.8
152.5°	1.2	4.9	8.5	13.4	14.6
155°	1.2	4.9	8.5	12.1	13.4
157.5°	1.2	3.6	7.3	9.7	12.1
160°	1.2	3.6	6.1	8.5	10.9
162.5°	1.2	3.6	6.1	7.3	8.5
165°	1.2	2.4	4.9	6.1	7.3
167.5°	1.2	2.4	3.6	4.9	6.1
170°	1.2	2.4	3.6	3.6	4.9
172.5°	1.2	2.4	2.4	2.4	2.4
175°	2.4	2.4	2.4	2.4	1.2
177.5°	2.4	2.4	2.4	1.2	1.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	1.2	1.2	1.2	1.2	1.2

(END OF REPORT)