

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: P565556

Luminaire Tested: **2SNX-23SL-LC-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565556
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2205-663-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2SNX-23SL-LC-UNV-L840-CD
Description: 2FT 2300 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

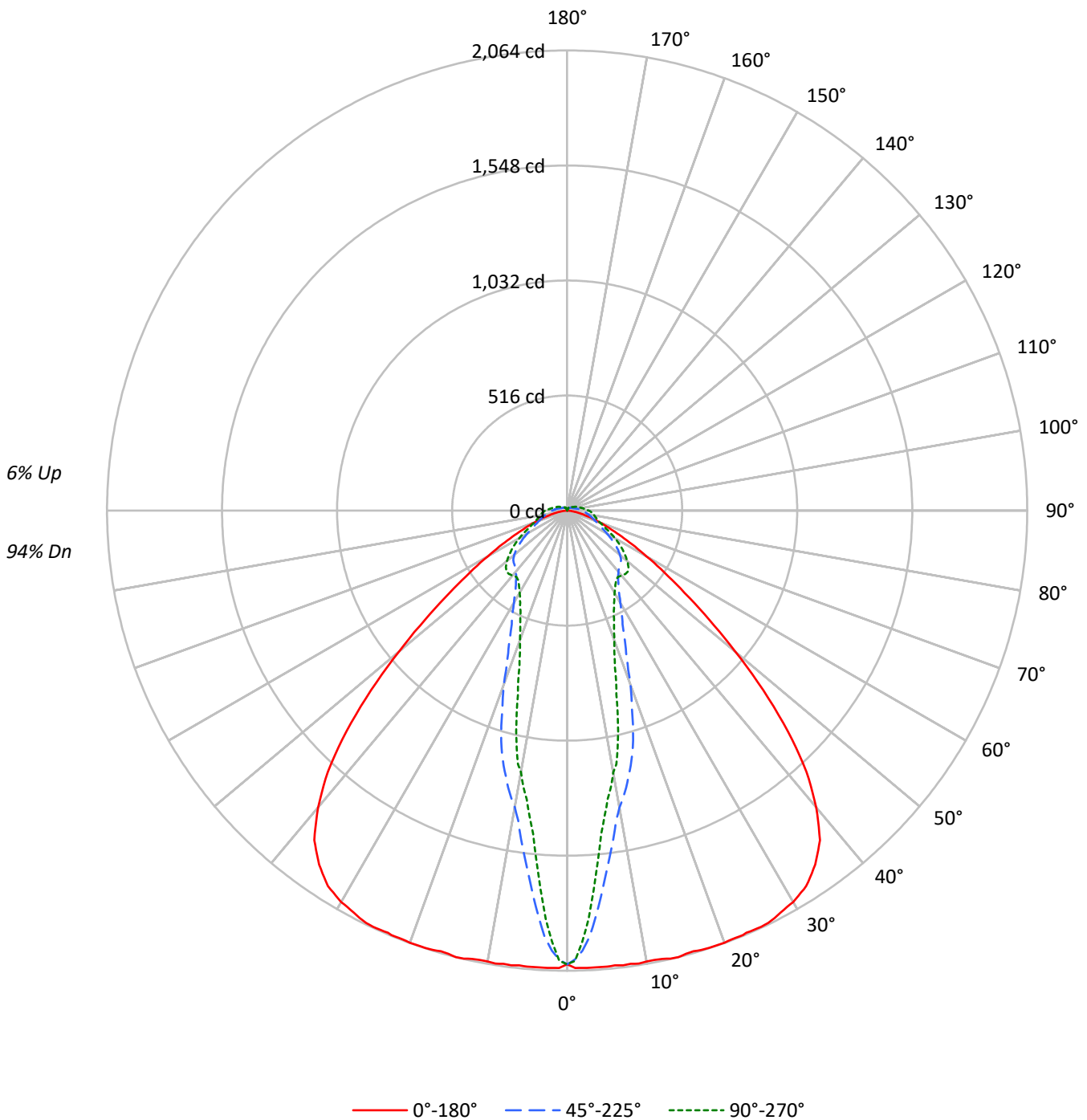
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2509.0 lumens
Efficiency: N/A
Efficacy: 168.4 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
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 (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

TEST NUMBER: P565556
CATALOG NUMBER: 2SNX-23SL-LC-UNV-L840-CD

Luminous Intensity Polar Plot





TEST NUMBER: P565556

CATALOG NUMBER: 2SNX-23SL-LC-UNV-L840-CD

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	50	30	10	0		
RCR																										
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	96	96	96	94					94			
1	108	103	99	96	105	101	97	94	95	92	90	90	88	86	86	84	82	80					80			
2	99	92	86	80	96	89	84	79	85	80	76	81	77	74	77	74	71	69					69			
3	92	82	75	69	89	80	73	68	76	71	66	73	68	64	70	66	62	60					60			
4	85	74	66	60	82	72	65	59	69	63	58	66	61	56	63	59	55	53					53			
5	79	67	59	53	76	66	58	52	63	56	51	60	55	50	58	53	49	47					47			
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	53	48	44	42					42			
7	69	56	48	43	67	55	48	42	53	46	42	51	45	41	50	44	40	38					38			
8	64	52	44	39	63	51	44	39	49	43	38	48	42	37	46	41	37	35					35			
9	61	48	41	36	59	47	40	35	46	39	35	44	39	34	43	38	34	32					32			
10	57	45	38	33	56	44	37	33	43	37	32	42	36	32	40	35	31	30					30			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	43818	43818	43818
5°	44053	35901	32215
10°	44237	27041	23314
15°	44878	22055	16145
20°	45858	15925	11403
25°	47099	11386	8969
30°	48091	9078	7639
35°	48149	7664	6842
40°	45661	6953	6859
45°	39386	6702	7046
50°	30006	6360	6575
55°	21563	5546	5833
60°	15483	4616	4934
65°	11115	3892	4044
70°	8036	3425	3488
75°	5545	3160	3250
80°	3460	2942	3200
85°	1467	2788	3206



TEST NUMBER: P565556

CATALOG NUMBER: 2SNX-23SL-LC-UNV-L840-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.1	6.4
10°-20°	347.6	13.9
20°-30°	397.9	15.9
30°-40°	398.6	15.9
40°-50°	377.3	15.0
50°-60°	289.4	11.5
60°-70°	186.5	7.4
70°-80°	118.9	4.7
80°-90°	79.0	3.1
90°-100°	53.1	2.1
100°-110°	35.0	1.4
110°-120°	24.3	1.0
120°-130°	17.0	0.7
130°-140°	11.8	0.5
140°-150°	7.2	0.3
150°-160°	3.7	0.1
160°-170°	1.4	0.1
170°-180°	0.3	0.0
0°-30°	905.6	36.1
0°-40°	1304.1	52.0
0°-60°	1970.8	78.6
0°-90°	2355.3	93.9
90°-120°	112.4	4.5
90°-150°	148.4	5.9
90°-180°	154.0	6.1
0°-180°	2509.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2035	2035	2035	2035	2035	
5°	2053	1940	1738	1621	1578	196
15°	2059	1482	1130	928	854	584
25°	2060	1049	598	520	495	950
35°	1939	584	400	387	382	1203
45°	1402	369	337	373	386	1066
55°	643	264	260	292	303	591
65°	257	166	163	186	193	265
75°	87	90	113	130	136	96
85°	12	41	80	104	112	16
90°	0	28	67	93	96	1
95°	0	21	55	76	80	0
105°	0	15	36	51	55	1
115°	1	13	27	37	40	1
125°	1	12	23	27	28	1
135°	1	9	18	22	23	1
145°	1	6	13	17	18	1
155°	1	4	8	12	13	1
165°	3	3	5	6	8	1
175°	3	3	3	3	1	0
180°	3	3	3	3	3	



TEST NUMBER: P565556

CATALOG NUMBER: 2SNX-23SL-LC-UNV-L840-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2035.4	2035.4	2035.4	2035.4	2035.4
1°	2052.1	2040.6	2013.6	2021.3	2020.0
2°	2052.1	2027.7	1975.0	1959.6	1936.4
3°	2053.4	2005.8	1915.8	1865.7	1833.6
4°	2053.4	1973.7	1828.4	1744.8	1703.7
5°	2053.4	1940.3	1738.4	1621.4	1577.7
6°	2050.9	1900.4	1647.1	1523.7	1458.1
7°	2054.7	1856.7	1564.8	1432.4	1380.9
8°	2053.4	1805.3	1489.0	1362.9	1306.4
9°	2057.3	1755.1	1406.7	1297.4	1254.9
10°	2053.4	1708.8	1352.7	1235.7	1191.9
11°	2053.4	1663.8	1314.1	1195.8	1158.5
12°	2056.0	1612.4	1271.7	1139.2	1087.8
13°	2062.4	1559.7	1222.8	1077.5	1017.1
14°	2063.7	1519.8	1177.8	999.1	936.1
15°	2058.6	1482.5	1130.2	928.3	853.8
16°	2056.0	1444.0	1073.6	861.5	794.6
17°	2061.1	1399.0	1009.4	793.3	731.6
18°	2062.4	1357.8	941.2	741.9	687.9
19°	2062.4	1325.7	885.9	694.3	648.0
20°	2062.4	1294.8	829.3	658.3	618.5
21°	2059.9	1256.2	765.1	621.0	587.6
22.5°	2061.1	1184.2	691.8	577.3	550.3
23°	2057.3	1166.2	673.8	565.8	537.5
24°	2058.6	1114.8	635.2	542.6	515.6
25°	2059.9	1049.2	597.9	519.5	495.0
26°	2057.3	996.5	567.0	497.6	480.9
27°	2050.9	954.1	545.2	479.6	464.2
28°	2041.9	897.5	522.0	464.2	450.0
29°	2032.9	833.2	498.9	447.5	437.2
30°	2027.7	781.8	477.0	434.6	425.6
32.5°	1996.8	680.2	432.0	408.9	401.2
35°	1939.0	583.8	399.9	387.0	381.9
37.5°	1863.1	509.2	375.5	372.9	374.2
40°	1738.4	450.0	357.5	369.0	380.6
42.5°	1589.2	403.7	344.6	372.9	385.7
45°	1401.5	369.0	336.9	372.9	385.7
47.5°	1193.2	340.7	327.9	360.0	372.9
50°	984.9	315.0	309.9	340.7	352.3
52.5°	801.1	290.6	286.7	316.3	327.9
55°	642.9	263.6	259.7	291.9	303.4
57.5°	515.6	237.9	234.0	263.6	275.2
60°	411.5	212.2	205.7	235.3	246.9
62.5°	327.9	187.7	183.9	209.6	219.9
65°	257.2	165.9	163.3	186.4	192.9



TEST NUMBER: P565556

CATALOG NUMBER: 2SNX-23SL-LC-UNV-L840-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	203.2	145.3	146.6	165.9	173.6
70°	156.9	126.0	133.7	151.7	156.9
72.5°	118.3	106.7	123.4	138.9	145.3
75°	87.4	90.0	113.2	129.9	136.3
77.5°	60.4	74.6	104.1	122.2	128.6
80°	41.1	60.4	95.1	115.7	123.4
82.5°	24.4	50.1	87.4	109.3	118.3
85°	11.6	41.1	79.7	104.1	111.9
87.5°	3.9	33.4	72.0	99.0	105.4
90°	0.0	28.3	66.9	92.6	96.4
92.5°	0.0	24.4	60.4	84.9	87.4
95°	0.0	20.6	55.3	75.9	79.7
97.5°	0.0	19.3	51.4	68.1	73.3
100°	0.0	18.0	46.3	61.7	66.9
102.5°	0.0	15.4	41.1	55.3	60.4
105°	0.0	15.4	36.0	51.4	55.3
107.5°	1.3	14.1	33.4	46.3	51.4
110°	1.3	14.1	29.6	43.7	47.6
112.5°	1.3	14.1	28.3	39.9	45.0
115°	1.3	12.9	27.0	37.3	39.9
117.5°	1.3	12.9	25.7	33.4	36.0
120°	1.3	11.6	24.4	30.9	32.1
122.5°	1.3	11.6	23.1	28.3	29.6
125°	1.3	11.6	23.1	27.0	28.3
127.5°	1.3	10.3	21.9	25.7	25.7
130°	1.3	10.3	20.6	24.4	24.4
132.5°	1.3	9.0	19.3	23.1	24.4
135°	1.3	9.0	18.0	21.9	23.1
137.5°	1.3	7.7	16.7	20.6	21.9
140°	1.3	7.7	15.4	19.3	20.6
142.5°	1.3	6.4	14.1	18.0	19.3
145°	1.3	6.4	12.9	16.7	18.0
147.5°	1.3	6.4	11.6	15.4	16.7
150°	1.3	5.1	10.3	14.1	15.4
152.5°	1.3	5.1	9.0	12.9	14.1
155°	1.3	3.9	7.7	11.6	12.9
157.5°	1.3	3.9	7.7	10.3	11.6
160°	2.6	3.9	6.4	9.0	10.3
162.5°	1.3	2.6	6.4	7.7	9.0
165°	2.6	2.6	5.1	6.4	7.7
167.5°	2.6	2.6	3.9	5.1	6.4
170°	2.6	2.6	3.9	3.9	5.1
172.5°	2.6	2.6	2.6	3.9	2.6
175°	2.6	2.6	2.6	2.6	1.3
177.5°	2.6	2.6	2.6	2.6	1.3



TEST NUMBER: P565556

CATALOG NUMBER: 2SNX-23SL-LC-UNV-L840-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	2.6	2.6	2.6	2.6	2.6

(END OF REPORT)