

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: P565563

Luminaire Tested: **2SNX-23SL-LN-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565563
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-L835-CD
Description: 2FT 2300 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

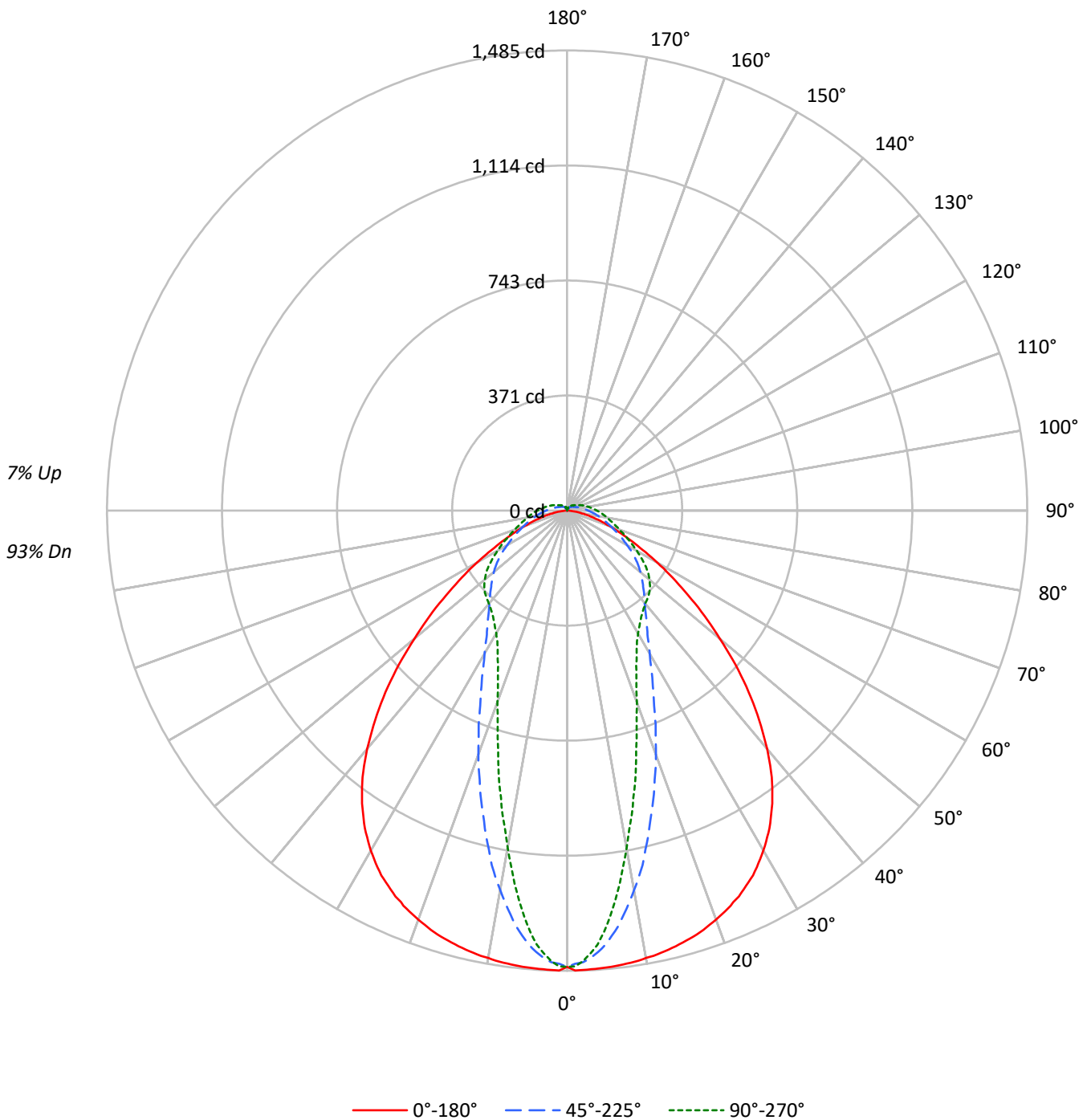
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2347.0 lumens
Efficiency: N/A
Efficacy: 157.5 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

TEST NUMBER: P565563
CATALOG NUMBER: 2SNX-23SL-LN-UNV-L835-CD

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°	31695	31695	31695
5°	31745	29061	27878
10°	31587	24860	21630
15°	31454	20234	16211
20°	31234	16084	12133
25°	30824	12578	9629
30°	30047	10159	8214
35°	28651	8580	7471
40°	26363	7559	7072
45°	23297	6901	6854
50°	19599	6335	6474
55°	15965	5726	5912
60°	12634	5025	5185
65°	9676	4397	4514
70°	7370	3876	3992
75°	5539	3468	3637
80°	3729	3158	3381
85°	1872	2924	3244



TEST NUMBER: P565563

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.4	5.6
10°-20°	305.6	13.0
20°-30°	362.8	15.5
30°-40°	365.0	15.6
40°-50°	339.3	14.5
50°-60°	279.4	11.9
60°-70°	196.9	8.4
70°-80°	128.6	5.5
80°-90°	82.1	3.5
90°-100°	53.9	2.3
100°-110°	36.5	1.6
110°-120°	25.1	1.1
120°-130°	17.3	0.7
130°-140°	11.7	0.5
140°-150°	7.2	0.3
150°-160°	3.7	0.2
160°-170°	1.4	0.1
170°-180°	0.2	0.0
0°-30°	798.8	34.0
0°-40°	1163.8	49.6
0°-60°	1782.4	75.9
0°-90°	2190.0	93.3
90°-120°	115.5	4.9
90°-150°	151.7	6.5
90°-180°	157.0	6.7
0°-180°	2347.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1472	1472	1472	1472	1472	
5°	1480	1460	1407	1380	1365	141
15°	1443	1289	1037	906	857	407
25°	1348	996	660	555	531	620
35°	1154	674	448	419	417	718
45°	829	444	347	365	375	636
55°	476	292	268	298	308	430
65°	224	176	184	208	215	227
75°	87	91	124	146	152	94
85°	15	42	84	108	113	19
90°	0	28	68	92	96	1
95°	0	21	57	78	81	0
105°	0	15	38	54	59	0
115°	1	12	27	39	42	1
125°	1	10	22	28	31	1
135°	1	9	17	22	23	1
145°	1	6	12	17	18	1
155°	1	5	9	12	14	1
165°	1	2	5	6	7	0
175°	2	2	2	2	1	0
180°	1	1	1	1	1	



TEST NUMBER: P565563

CATALOG NUMBER: 2SNX-23SL-LN-UNV-L835-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1472.3	1472.3	1472.3	1472.3	1472.3
1°	1484.6	1478.5	1462.5	1473.6	1471.1
2°	1483.4	1477.3	1458.8	1463.7	1455.1
3°	1482.2	1473.6	1445.3	1444.1	1431.8
4°	1481.0	1467.4	1428.1	1413.3	1403.5
5°	1479.7	1460.0	1407.2	1380.1	1365.3
6°	1478.5	1451.4	1380.1	1339.5	1318.6
7°	1476.0	1437.9	1351.8	1296.4	1269.4
8°	1473.6	1425.6	1316.1	1249.7	1216.5
9°	1471.1	1409.6	1280.5	1199.3	1159.9
10°	1466.2	1393.6	1243.6	1147.6	1105.8
11°	1463.7	1375.2	1207.9	1098.4	1049.2
12°	1458.8	1355.5	1169.8	1046.8	1003.7
13°	1453.9	1334.6	1123.0	1002.5	950.8
14°	1449.0	1312.4	1082.4	953.3	905.3
15°	1442.8	1289.1	1036.9	906.5	857.3
16°	1436.7	1262.0	996.3	858.6	806.9
17°	1430.5	1236.2	958.2	814.3	767.5
18°	1423.1	1210.3	913.9	771.2	725.7
19°	1413.3	1180.8	878.2	731.9	690.0
20°	1404.7	1153.8	837.6	695.0	658.1
21°	1394.9	1120.6	797.1	660.5	623.6
22.5°	1380.1	1073.8	745.4	617.5	583.0
23°	1372.7	1060.3	724.5	601.5	572.0
24°	1362.9	1024.6	690.0	576.9	547.4
25°	1348.1	996.3	660.5	554.7	531.4
26°	1334.6	961.9	631.0	535.1	511.7
27°	1321.0	928.7	605.2	514.2	494.5
28°	1303.8	894.2	576.9	496.9	479.7
29°	1285.4	862.2	553.5	482.2	468.6
30°	1266.9	826.6	533.8	468.6	457.6
32.5°	1215.3	747.9	483.4	442.8	435.4
35°	1153.8	674.1	447.7	419.4	417.0
37.5°	1084.9	606.4	415.7	401.0	403.4
40°	1003.7	544.9	388.7	387.5	392.4
42.5°	917.6	492.0	367.8	376.4	383.8
45°	829.0	444.0	346.9	365.3	375.2
47.5°	736.8	402.2	328.4	351.8	362.9
50°	643.3	361.6	308.7	335.8	346.9
52.5°	559.7	326.0	289.1	317.3	329.6
55°	476.0	291.5	268.1	297.7	307.5
57.5°	403.4	259.5	246.0	275.5	282.9
60°	335.8	228.8	223.9	250.9	259.5
62.5°	274.3	201.7	203.0	228.8	237.4
65°	223.9	175.9	184.5	207.9	215.3



TEST NUMBER: P565563

CATALOG NUMBER: 2SNX-23SL-LN-UNV-L835-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	182.0	151.3	166.1	190.7	196.8
70°	143.9	129.2	151.3	173.4	179.6
72.5°	114.4	109.5	136.5	159.9	164.8
75°	87.3	91.0	124.2	146.4	152.5
77.5°	62.7	76.3	111.9	135.3	140.2
80°	44.3	62.7	102.1	125.5	130.4
82.5°	28.3	51.7	92.3	116.9	121.8
85°	14.8	41.8	83.6	108.2	113.2
87.5°	6.2	34.4	75.0	99.6	104.6
90°	0.0	28.3	67.7	92.3	95.9
92.5°	0.0	24.6	61.5	84.9	88.6
95°	0.0	20.9	56.6	77.5	81.2
97.5°	0.0	19.7	50.4	71.3	75.0
100°	0.0	17.2	45.5	65.2	70.1
102.5°	0.0	16.0	41.8	59.0	64.0
105°	0.0	14.8	38.1	54.1	59.0
107.5°	0.0	13.5	35.7	50.4	54.1
110°	0.0	13.5	32.0	46.7	50.4
112.5°	1.2	12.3	29.5	41.8	45.5
115°	1.2	12.3	27.1	39.4	41.8
117.5°	1.2	12.3	25.8	35.7	38.1
120°	1.2	11.1	24.6	33.2	35.7
122.5°	1.2	11.1	23.4	30.8	32.0
125°	1.2	9.8	22.1	28.3	30.8
127.5°	1.2	9.8	20.9	27.1	28.3
130°	1.2	9.8	19.7	24.6	27.1
132.5°	1.2	8.6	18.5	23.4	24.6
135°	1.2	8.6	17.2	22.1	23.4
137.5°	1.2	7.4	16.0	20.9	22.1
140°	1.2	7.4	14.8	19.7	20.9
142.5°	1.2	6.2	13.5	18.5	19.7
145°	1.2	6.2	12.3	17.2	18.5
147.5°	1.2	6.2	11.1	16.0	17.2
150°	1.2	4.9	9.8	14.8	16.0
152.5°	1.2	4.9	8.6	13.5	14.8
155°	1.2	4.9	8.6	12.3	13.5
157.5°	1.2	3.7	7.4	9.8	12.3
160°	1.2	3.7	6.2	8.6	11.1
162.5°	1.2	3.7	6.2	7.4	8.6
165°	1.2	2.5	4.9	6.2	7.4
167.5°	1.2	2.5	3.7	4.9	6.2
170°	1.2	2.5	3.7	3.7	4.9
172.5°	1.2	2.5	2.5	2.5	2.5
175°	2.5	2.5	2.5	2.5	1.2
177.5°	2.5	2.5	2.5	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)