

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: P565610

Luminaire Tested: **2SNX-25SL-LN-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565610
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-25SL-LN-UNV-L830-CD
Description: 2FT 2500 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

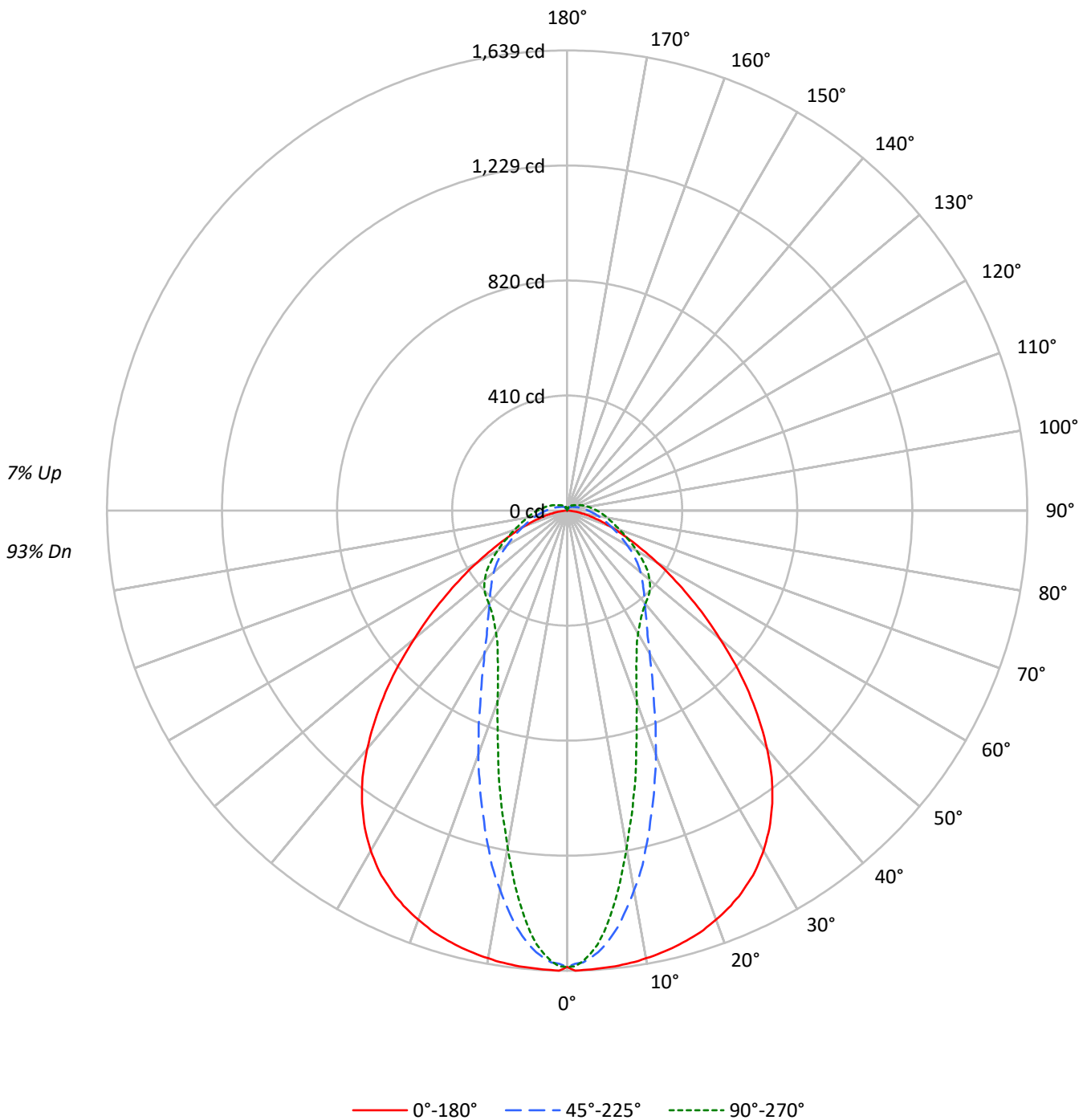
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2591.0 lumens
Efficiency: N/A
Efficacy: 148.1 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): 17.5
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	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°	34991	34991	34991
5°	35047	32081	30778
10°	34870	27443	23879
15°	34724	22338	17898
20°	34480	17757	13394
25°	34030	13887	10629
30°	33171	11215	9066
35°	31628	9473	8247
40°	29105	8345	7807
45°	25720	7618	7566
50°	21637	6994	7146
55°	17626	6322	6527
60°	13948	5545	5725
65°	10679	4855	4981
70°	8138	4278	4408
75°	6116	3828	4016
80°	4117	3486	3731
85°	2062	3228	3579



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.9	5.6
10°-20°	337.4	13.0
20°-30°	400.5	15.5
30°-40°	402.9	15.6
40°-50°	374.6	14.5
50°-60°	308.4	11.9
60°-70°	217.3	8.4
70°-80°	142.0	5.5
80°-90°	90.6	3.5
90°-100°	59.5	2.3
100°-110°	40.4	1.6
110°-120°	27.7	1.1
120°-130°	19.1	0.7
130°-140°	12.9	0.5
140°-150°	7.9	0.3
150°-160°	4.1	0.2
160°-170°	1.5	0.1
170°-180°	0.3	0.0
0°-30°	881.8	34.0
0°-40°	1284.8	49.6
0°-60°	1967.7	75.9
0°-90°	2417.7	93.3
90°-120°	127.5	4.9
90°-150°	167.5	6.5
90°-180°	173.0	6.7
0°-180°	2591.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1625	1625	1625	1625	1625	
5°	1634	1612	1553	1524	1507	156
15°	1593	1423	1145	1001	946	450
25°	1488	1100	729	612	587	685
35°	1274	744	494	463	460	792
45°	915	490	383	403	414	703
55°	526	322	296	329	340	475
65°	247	194	204	230	238	251
75°	96	100	137	162	168	104
85°	16	46	92	120	125	20
90°	0	31	75	102	106	1
95°	0	23	62	86	90	0
105°	0	16	42	60	65	0
115°	1	14	30	44	46	1
125°	1	11	24	31	34	1
135°	1	10	19	24	26	1
145°	1	7	14	19	20	1
155°	1	5	10	14	15	1
165°	1	3	5	7	8	0
175°	3	3	3	3	1	0
180°	1	1	1	1	1	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1625.4	1625.4	1625.4	1625.4	1625.4
1°	1639.0	1632.2	1614.5	1626.8	1624.1
2°	1637.6	1630.8	1610.5	1615.9	1606.4
3°	1636.3	1626.8	1595.5	1594.2	1580.6
4°	1634.9	1620.0	1576.5	1560.2	1549.4
5°	1633.6	1611.8	1553.4	1523.6	1507.3
6°	1632.2	1602.3	1523.6	1478.8	1455.7
7°	1629.5	1587.4	1492.3	1431.2	1401.4
8°	1626.8	1573.8	1453.0	1379.6	1343.0
9°	1624.1	1556.2	1413.6	1324.0	1280.5
10°	1618.6	1538.5	1372.8	1266.9	1220.8
11°	1615.9	1518.1	1333.5	1212.6	1158.3
12°	1610.5	1496.4	1291.4	1155.6	1108.1
13°	1605.0	1473.3	1239.8	1106.7	1049.7
14°	1599.6	1448.9	1195.0	1052.4	999.4
15°	1592.8	1423.1	1144.7	1000.8	946.5
16°	1586.0	1393.2	1099.9	947.8	890.8
17°	1579.2	1364.7	1057.8	898.9	847.3
18°	1571.1	1336.2	1008.9	851.4	801.2
19°	1560.2	1303.6	969.5	808.0	761.8
20°	1550.7	1273.7	924.7	767.2	726.5
21°	1539.9	1237.1	879.9	729.2	688.5
22.5°	1523.6	1185.5	822.9	681.7	643.6
23°	1515.4	1170.5	799.8	664.0	631.4
24°	1504.6	1131.1	761.8	636.9	604.3
25°	1488.3	1099.9	729.2	612.4	586.6
26°	1473.3	1061.9	696.6	590.7	564.9
27°	1458.4	1025.2	668.1	567.6	545.9
28°	1439.4	987.2	636.9	548.6	529.6
29°	1419.0	951.9	611.1	532.3	517.4
30°	1398.6	912.5	589.3	517.4	505.1
32.5°	1341.6	825.6	533.7	488.8	480.7
35°	1273.7	744.1	494.3	463.0	460.3
37.5°	1197.7	669.4	459.0	442.7	445.4
40°	1108.1	601.6	429.1	427.7	433.2
42.5°	1013.0	543.2	406.0	415.5	423.7
45°	915.2	490.2	382.9	403.3	414.2
47.5°	813.4	444.0	362.6	388.4	400.6
50°	710.2	399.2	340.8	370.7	382.9
52.5°	617.8	359.8	319.1	350.3	363.9
55°	525.5	321.8	296.0	328.6	339.5
57.5°	445.4	286.5	271.6	304.2	312.3
60°	370.7	252.6	247.1	277.0	286.5
62.5°	302.8	222.7	224.1	252.6	262.1
65°	247.1	194.2	203.7	229.5	237.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	201.0	167.0	183.3	210.5	217.3
70°	158.9	142.6	167.0	191.5	198.3
72.5°	126.3	120.9	150.7	176.5	182.0
75°	96.4	100.5	137.1	161.6	168.4
77.5°	69.3	84.2	123.6	149.4	154.8
80°	48.9	69.3	112.7	138.5	143.9
82.5°	31.2	57.0	101.8	129.0	134.4
85°	16.3	46.2	92.3	119.5	124.9
87.5°	6.8	38.0	82.8	110.0	115.4
90°	0.0	31.2	74.7	101.8	105.9
92.5°	0.0	27.2	67.9	93.7	97.8
95°	0.0	23.1	62.5	85.5	89.6
97.5°	0.0	21.7	55.7	78.8	82.8
100°	0.0	19.0	50.2	72.0	77.4
102.5°	0.0	17.7	46.2	65.2	70.6
105°	0.0	16.3	42.1	59.7	65.2
107.5°	0.0	14.9	39.4	55.7	59.7
110°	0.0	14.9	35.3	51.6	55.7
112.5°	1.4	13.6	32.6	46.2	50.2
115°	1.4	13.6	29.9	43.5	46.2
117.5°	1.4	13.6	28.5	39.4	42.1
120°	1.4	12.2	27.2	36.7	39.4
122.5°	1.4	12.2	25.8	33.9	35.3
125°	1.4	10.9	24.4	31.2	33.9
127.5°	1.4	10.9	23.1	29.9	31.2
130°	1.4	10.9	21.7	27.2	29.9
132.5°	1.4	9.5	20.4	25.8	27.2
135°	1.4	9.5	19.0	24.4	25.8
137.5°	1.4	8.1	17.7	23.1	24.4
140°	1.4	8.1	16.3	21.7	23.1
142.5°	1.4	6.8	14.9	20.4	21.7
145°	1.4	6.8	13.6	19.0	20.4
147.5°	1.4	6.8	12.2	17.7	19.0
150°	1.4	5.4	10.9	16.3	17.7
152.5°	1.4	5.4	9.5	14.9	16.3
155°	1.4	5.4	9.5	13.6	14.9
157.5°	1.4	4.1	8.1	10.9	13.6
160°	1.4	4.1	6.8	9.5	12.2
162.5°	1.4	4.1	6.8	8.1	9.5
165°	1.4	2.7	5.4	6.8	8.1
167.5°	1.4	2.7	4.1	5.4	6.8
170°	1.4	2.7	4.1	4.1	5.4
172.5°	1.4	2.7	2.7	2.7	2.7
175°	2.7	2.7	2.7	2.7	1.4
177.5°	2.7	2.7	2.7	1.4	1.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	1.4	1.4	1.4	1.4	1.4

(END OF REPORT)