

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: P565612

Luminaire Tested: **2SNX-25SL-LN-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565612
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-L840-CD
Description: 2FT 2500 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

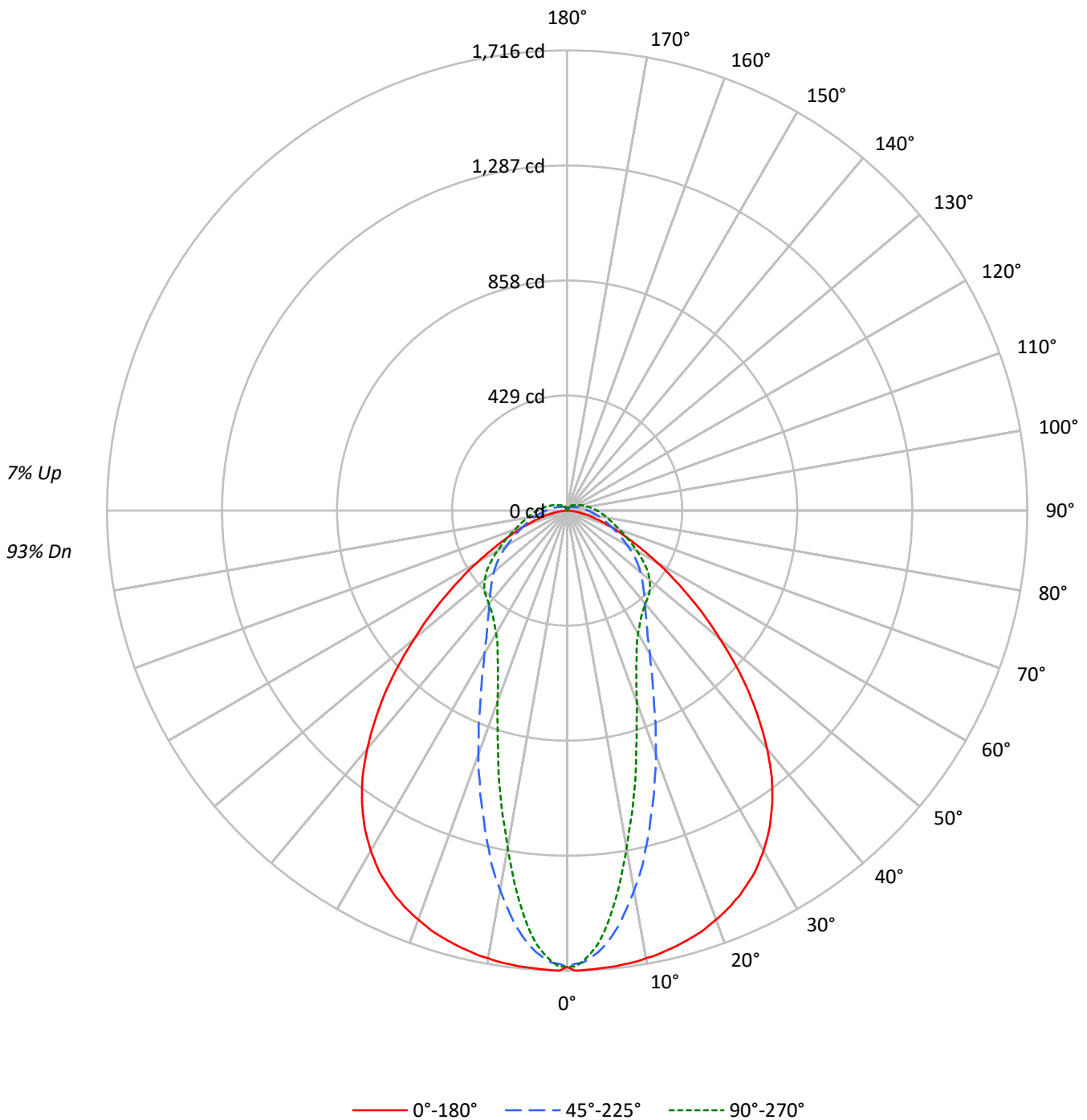
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2713.0 lumens
Efficiency: N/A
Efficacy: 155.0 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 (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	68	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°	36638	36638	36638
5°	36696	33592	32225
10°	36512	28736	25002
15°	36359	23390	18739
20°	36103	18594	14024
25°	35630	14540	11129
30°	34734	11744	9493
35°	33118	9919	8636
40°	30474	8738	8174
45°	26931	7978	7922
50°	22654	7324	7484
55°	18457	6621	6835
60°	14606	5808	5995
65°	11184	5084	5216
70°	8522	4480	4615
75°	6408	4009	4204
80°	4310	3650	3908
85°	2163	3382	3748



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.7	5.6
10°-20°	353.3	13.0
20°-30°	419.4	15.5
30°-40°	421.9	15.6
40°-50°	392.2	14.5
50°-60°	323.0	11.9
60°-70°	227.6	8.4
70°-80°	148.7	5.5
80°-90°	94.9	3.5
90°-100°	62.2	2.3
100°-110°	42.3	1.6
110°-120°	29.0	1.1
120°-130°	20.0	0.7
130°-140°	13.5	0.5
140°-150°	8.3	0.3
150°-160°	4.3	0.2
160°-170°	1.6	0.1
170°-180°	0.3	0.0
0°-30°	923.4	34.0
0°-40°	1345.3	49.6
0°-60°	2060.4	75.9
0°-90°	2531.6	93.3
90°-120°	133.5	4.9
90°-150°	175.3	6.5
90°-180°	181.0	6.7
0°-180°	2713.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1702	1702	1702	1702	1702	
5°	1710	1688	1627	1595	1578	163
15°	1668	1490	1199	1048	991	471
25°	1558	1152	764	641	614	717
35°	1334	779	518	485	482	829
45°	958	513	401	422	434	736
55°	550	337	310	344	356	497
65°	259	203	213	240	249	263
75°	101	105	144	169	176	109
85°	17	48	97	125	131	21
90°	0	33	78	107	111	1
95°	0	24	65	90	94	0
105°	0	17	44	63	68	0
115°	1	14	31	46	48	1
125°	1	11	26	33	36	1
135°	1	10	20	26	27	1
145°	1	7	14	20	21	1
155°	1	6	10	14	16	1
165°	1	3	6	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°	1701.9	1701.9	1701.9	1701.9	1701.9
1°	1716.2	1709.1	1690.6	1703.4	1700.5
2°	1714.7	1707.6	1686.3	1692.0	1682.0
3°	1713.3	1703.4	1670.7	1669.2	1655.0
4°	1711.9	1696.3	1650.8	1633.7	1622.3
5°	1710.5	1687.7	1626.6	1595.3	1578.2
6°	1709.1	1677.8	1595.3	1548.4	1524.2
7°	1706.2	1662.1	1562.6	1498.6	1467.3
8°	1703.4	1647.9	1521.4	1444.6	1406.2
9°	1700.5	1629.4	1480.1	1386.3	1340.8
10°	1694.8	1610.9	1437.5	1326.6	1278.2
11°	1692.0	1589.6	1396.2	1269.7	1212.8
12°	1686.3	1566.9	1352.2	1210.0	1160.2
13°	1680.6	1542.7	1298.1	1158.8	1099.1
14°	1674.9	1517.1	1251.2	1101.9	1046.5
15°	1667.8	1490.1	1198.6	1047.9	991.0
16°	1660.7	1458.8	1151.7	992.4	932.7
17°	1653.6	1429.0	1107.6	941.3	887.2
18°	1645.1	1399.1	1056.4	891.5	838.9
19°	1633.7	1365.0	1015.2	846.0	797.7
20°	1623.7	1333.7	968.3	803.3	760.7
21°	1612.4	1295.3	921.4	763.5	720.9
22.5°	1595.3	1241.3	861.6	713.8	674.0
23°	1586.8	1225.6	837.5	695.3	661.2
24°	1575.4	1184.4	797.7	666.8	632.7
25°	1558.3	1151.7	763.5	641.3	614.2
26°	1542.7	1111.9	729.4	618.5	591.5
27°	1527.1	1073.5	699.5	594.3	571.6
28°	1507.2	1033.7	666.8	574.4	554.5
29°	1485.8	996.7	639.8	557.4	541.7
30°	1464.5	955.5	617.1	541.7	528.9
32.5°	1404.8	864.5	558.8	511.9	503.3
35°	1333.7	779.2	517.6	484.8	482.0
37.5°	1254.1	701.0	480.6	463.5	466.4
40°	1160.2	629.9	449.3	447.9	453.6
42.5°	1060.7	568.7	425.1	435.1	443.6
45°	958.3	513.3	401.0	422.3	433.7
47.5°	851.7	464.9	379.6	406.6	419.4
50°	743.6	418.0	356.9	388.2	401.0
52.5°	646.9	376.8	334.1	366.8	381.1
55°	550.3	337.0	310.0	344.1	355.5
57.5°	466.4	300.0	284.4	318.5	327.0
60°	388.2	264.5	258.8	290.1	300.0
62.5°	317.1	233.2	234.6	264.5	274.4
65°	258.8	203.3	213.3	240.3	248.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	210.4	174.9	191.9	220.4	227.5
70°	166.4	149.3	174.9	200.5	207.6
72.5°	132.2	126.5	157.8	184.8	190.5
75°	101.0	105.2	143.6	169.2	176.3
77.5°	72.5	88.2	129.4	156.4	162.1
80°	51.2	72.5	118.0	145.0	150.7
82.5°	32.7	59.7	106.6	135.1	140.8
85°	17.1	48.3	96.7	125.1	130.8
87.5°	7.1	39.8	86.7	115.2	120.9
90°	0.0	32.7	78.2	106.6	110.9
92.5°	0.0	28.4	71.1	98.1	102.4
95°	0.0	24.2	65.4	89.6	93.8
97.5°	0.0	22.7	58.3	82.5	86.7
100°	0.0	19.9	52.6	75.4	81.0
102.5°	0.0	18.5	48.3	68.2	73.9
105°	0.0	17.1	44.1	62.6	68.2
107.5°	0.0	15.6	41.2	58.3	62.6
110°	0.0	15.6	37.0	54.0	58.3
112.5°	1.4	14.2	34.1	48.3	52.6
115°	1.4	14.2	31.3	45.5	48.3
117.5°	1.4	14.2	29.9	41.2	44.1
120°	1.4	12.8	28.4	38.4	41.2
122.5°	1.4	12.8	27.0	35.5	37.0
125°	1.4	11.4	25.6	32.7	35.5
127.5°	1.4	11.4	24.2	31.3	32.7
130°	1.4	11.4	22.7	28.4	31.3
132.5°	1.4	10.0	21.3	27.0	28.4
135°	1.4	10.0	19.9	25.6	27.0
137.5°	1.4	8.5	18.5	24.2	25.6
140°	1.4	8.5	17.1	22.7	24.2
142.5°	1.4	7.1	15.6	21.3	22.7
145°	1.4	7.1	14.2	19.9	21.3
147.5°	1.4	7.1	12.8	18.5	19.9
150°	1.4	5.7	11.4	17.1	18.5
152.5°	1.4	5.7	10.0	15.6	17.1
155°	1.4	5.7	10.0	14.2	15.6
157.5°	1.4	4.3	8.5	11.4	14.2
160°	1.4	4.3	7.1	10.0	12.8
162.5°	1.4	4.3	7.1	8.5	10.0
165°	1.4	2.8	5.7	7.1	8.5
167.5°	1.4	2.8	4.3	5.7	7.1
170°	1.4	2.8	4.3	4.3	5.7
172.5°	1.4	2.8	2.8	2.8	2.8
175°	2.8	2.8	2.8	2.8	1.4
177.5°	2.8	2.8	2.8	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)