

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: P565607

Luminaire Tested: **2SNX-25SL-LC-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565607
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-25SL-LC-UNV-L935-CD
Description: 2FT 2500 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

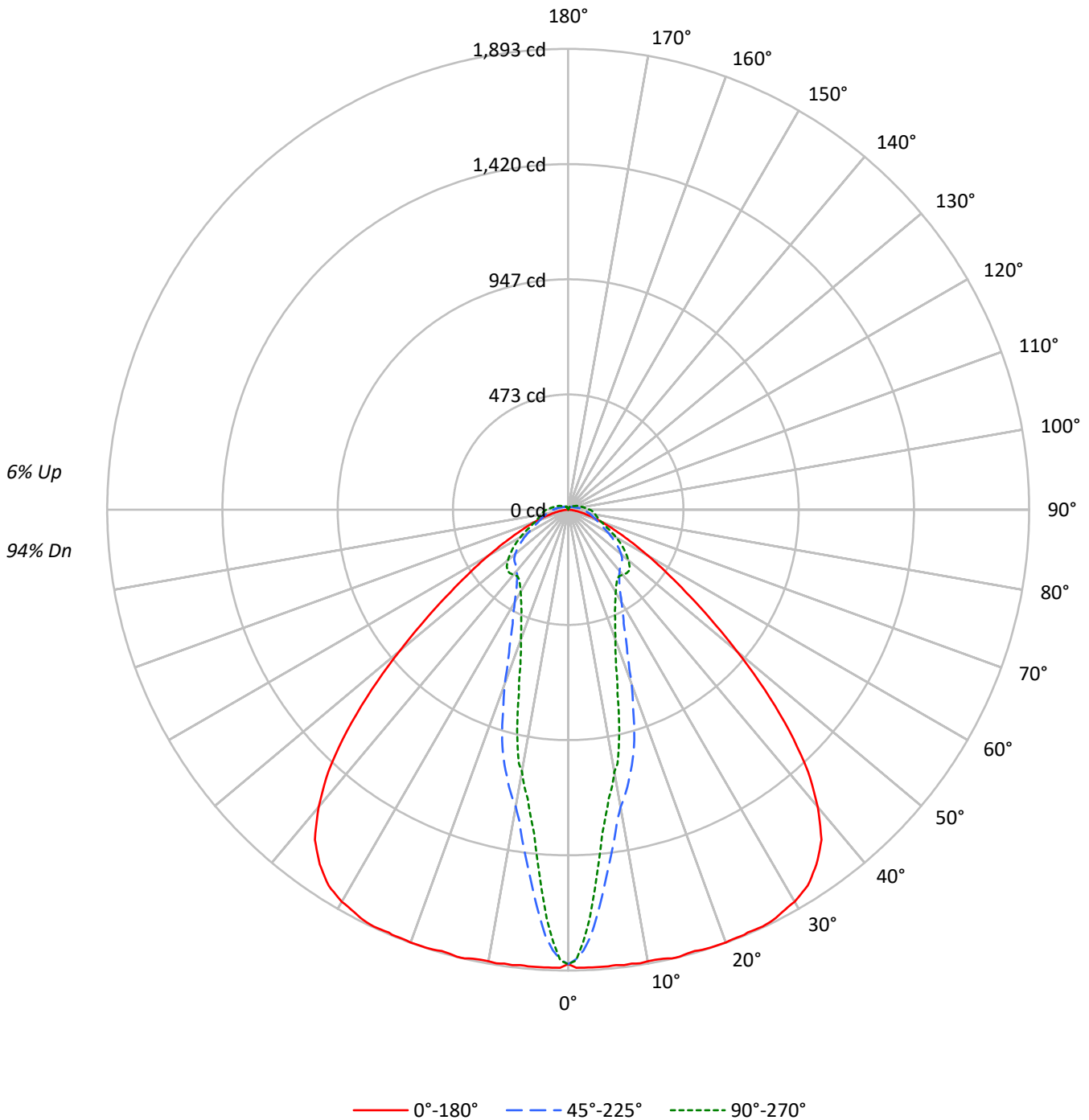
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2301.0 lumens
Efficiency: N/A
Efficacy: 131.5 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): 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	0
RCR																		
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	96	96	96	94
1	108	103	99	96	105	101	97	94	95	92	90	90	88	86	86	84	82	80
2	99	92	86	80	96	89	84	79	85	80	76	81	77	74	77	74	71	69
3	92	82	75	69	89	80	73	68	76	71	66	73	68	64	70	66	62	60
4	85	74	66	60	82	72	65	59	69	63	58	66	61	56	63	59	55	53
5	79	67	59	53	76	66	58	52	63	56	51	60	55	50	58	53	49	47
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	53	48	44	42
7	69	56	48	43	67	55	48	42	53	46	42	51	45	41	50	44	40	38
8	64	52	44	39	63	51	44	39	49	43	38	48	42	37	46	41	37	35
9	61	48	41	36	59	47	40	35	46	39	35	44	39	34	43	38	34	32
10	57	45	38	33	56	44	37	33	43	37	32	42	36	32	40	35	31	30

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	40186	40186	40186
5°	40402	32925	29544
10°	40570	24798	21382
15°	41157	20226	14806
20°	42055	14606	10457
25°	43194	10442	8227
30°	44104	8326	7006
35°	44156	7027	6274
40°	41876	6375	6289
45°	36121	6147	6463
50°	27520	5832	6030
55°	19776	5087	5351
60°	14196	4235	4524
65°	10190	3570	3709
70°	7370	3141	3199
75°	5088	2898	2981
80°	3174	2701	2935
85°	1341	2557	2940



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.8	6.4
10°-20°	318.8	13.9
20°-30°	364.9	15.9
30°-40°	365.5	15.9
40°-50°	346.0	15.0
50°-60°	265.4	11.5
60°-70°	171.1	7.4
70°-80°	109.1	4.7
80°-90°	72.4	3.1
90°-100°	48.7	2.1
100°-110°	32.1	1.4
110°-120°	22.3	1.0
120°-130°	15.6	0.7
130°-140°	10.8	0.5
140°-150°	6.6	0.3
150°-160°	3.4	0.1
160°-170°	1.3	0.1
170°-180°	0.3	0.0
0°-30°	830.5	36.1
0°-40°	1196.0	52.0
0°-60°	1807.5	78.5
0°-90°	2160.0	93.9
90°-120°	103.1	4.5
90°-150°	136.1	5.9
90°-180°	141.0	6.1
0°-180°	2301.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1867	1867	1867	1867	1867	
5°	1883	1779	1594	1487	1447	180
15°	1888	1360	1036	851	783	535
25°	1889	962	548	476	454	871
35°	1778	535	367	355	350	1103
45°	1285	338	309	342	354	977
55°	590	242	238	268	278	542
65°	236	152	150	171	177	243
75°	80	82	104	119	125	88
85°	11	38	73	96	103	15
90°	0	26	61	85	88	0
95°	0	19	51	70	73	0
105°	0	14	33	47	51	1
115°	1	12	25	34	37	1
125°	1	11	21	25	26	1
135°	1	8	16	20	21	1
145°	1	6	12	15	16	1
155°	1	4	7	11	12	1
165°	2	2	5	6	7	1
175°	2	2	2	2	1	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1866.7	1866.7	1866.7	1866.7	1866.7
1°	1882.0	1871.4	1846.6	1853.7	1852.5
2°	1882.0	1859.6	1811.3	1797.1	1775.9
3°	1883.2	1839.6	1757.0	1711.0	1681.5
4°	1883.2	1810.1	1676.8	1600.2	1562.4
5°	1883.2	1779.4	1594.3	1487.0	1446.9
6°	1880.8	1742.9	1510.6	1397.4	1337.2
7°	1884.4	1702.8	1435.1	1313.6	1266.5
8°	1883.2	1655.6	1365.5	1250.0	1198.1
9°	1886.7	1609.6	1290.1	1189.8	1150.9
10°	1883.2	1567.2	1240.5	1133.2	1093.1
11°	1883.2	1525.9	1205.1	1096.7	1062.5
12°	1885.6	1478.7	1166.2	1044.8	997.6
13°	1891.4	1430.4	1121.4	988.2	932.8
14°	1892.6	1393.8	1080.2	916.2	858.5
15°	1887.9	1359.6	1036.5	851.4	783.0
16°	1885.6	1324.2	984.6	790.1	728.7
17°	1890.3	1283.0	925.7	727.6	671.0
18°	1891.4	1245.2	863.2	680.4	630.9
19°	1891.4	1215.8	812.5	636.8	594.3
20°	1891.4	1187.5	760.6	603.8	567.2
21°	1889.1	1152.1	701.6	569.6	538.9
22.5°	1890.3	1086.0	634.4	529.5	504.7
23°	1886.7	1069.5	617.9	518.9	492.9
24°	1887.9	1022.4	582.5	497.6	472.9
25°	1889.1	962.2	548.3	476.4	454.0
26°	1886.7	913.9	520.0	456.4	441.0
27°	1880.8	875.0	500.0	439.8	425.7
28°	1872.6	823.1	478.8	425.7	412.7
29°	1864.3	764.1	457.5	410.4	400.9
30°	1859.6	717.0	437.5	398.6	390.3
32.5°	1831.3	623.8	396.2	375.0	367.9
35°	1778.2	535.4	366.7	354.9	350.2
37.5°	1708.7	467.0	344.3	342.0	343.1
40°	1594.3	412.7	327.8	338.4	349.0
42.5°	1457.5	370.3	316.0	342.0	353.8
45°	1285.3	338.4	309.0	342.0	353.8
47.5°	1094.3	312.5	300.7	330.2	342.0
50°	903.3	288.9	284.2	312.5	323.1
52.5°	734.6	266.5	263.0	290.1	300.7
55°	589.6	241.7	238.2	267.7	278.3
57.5°	472.9	218.2	214.6	241.7	252.4
60°	377.3	194.6	188.7	215.8	226.4
62.5°	300.7	172.2	168.6	192.2	201.6
65°	235.8	152.1	149.8	171.0	176.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	186.3	133.3	134.4	152.1	159.2
70°	143.9	115.6	122.6	139.1	143.9
72.5°	108.5	97.9	113.2	127.4	133.3
75°	80.2	82.5	103.8	119.1	125.0
77.5°	55.4	68.4	95.5	112.0	117.9
80°	37.7	55.4	87.3	106.1	113.2
82.5°	22.4	46.0	80.2	100.2	108.5
85°	10.6	37.7	73.1	95.5	102.6
87.5°	3.5	30.7	66.0	90.8	96.7
90°	0.0	25.9	61.3	84.9	88.4
92.5°	0.0	22.4	55.4	77.8	80.2
95°	0.0	18.9	50.7	69.6	73.1
97.5°	0.0	17.7	47.2	62.5	67.2
100°	0.0	16.5	42.5	56.6	61.3
102.5°	0.0	14.2	37.7	50.7	55.4
105°	0.0	14.2	33.0	47.2	50.7
107.5°	1.2	13.0	30.7	42.5	47.2
110°	1.2	13.0	27.1	40.1	43.6
112.5°	1.2	13.0	25.9	36.6	41.3
115°	1.2	11.8	24.8	34.2	36.6
117.5°	1.2	11.8	23.6	30.7	33.0
120°	1.2	10.6	22.4	28.3	29.5
122.5°	1.2	10.6	21.2	25.9	27.1
125°	1.2	10.6	21.2	24.8	25.9
127.5°	1.2	9.4	20.0	23.6	23.6
130°	1.2	9.4	18.9	22.4	22.4
132.5°	1.2	8.3	17.7	21.2	22.4
135°	1.2	8.3	16.5	20.0	21.2
137.5°	1.2	7.1	15.3	18.9	20.0
140°	1.2	7.1	14.2	17.7	18.9
142.5°	1.2	5.9	13.0	16.5	17.7
145°	1.2	5.9	11.8	15.3	16.5
147.5°	1.2	5.9	10.6	14.2	15.3
150°	1.2	4.7	9.4	13.0	14.2
152.5°	1.2	4.7	8.3	11.8	13.0
155°	1.2	3.5	7.1	10.6	11.8
157.5°	1.2	3.5	7.1	9.4	10.6
160°	2.4	3.5	5.9	8.3	9.4
162.5°	1.2	2.4	5.9	7.1	8.3
165°	2.4	2.4	4.7	5.9	7.1
167.5°	2.4	2.4	3.5	4.7	5.9
170°	2.4	2.4	3.5	3.5	4.7
172.5°	2.4	2.4	2.4	3.5	2.4
175°	2.4	2.4	2.4	2.4	1.2
177.5°	2.4	2.4	2.4	2.4	1.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	2.4	2.4	2.4	2.4	2.4

(END OF REPORT)