

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: P565604

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

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P565604  
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-L840-CD  
Description: 2FT 2500 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND LC LENS  
Light Source: -  
Ballast/Driver: -

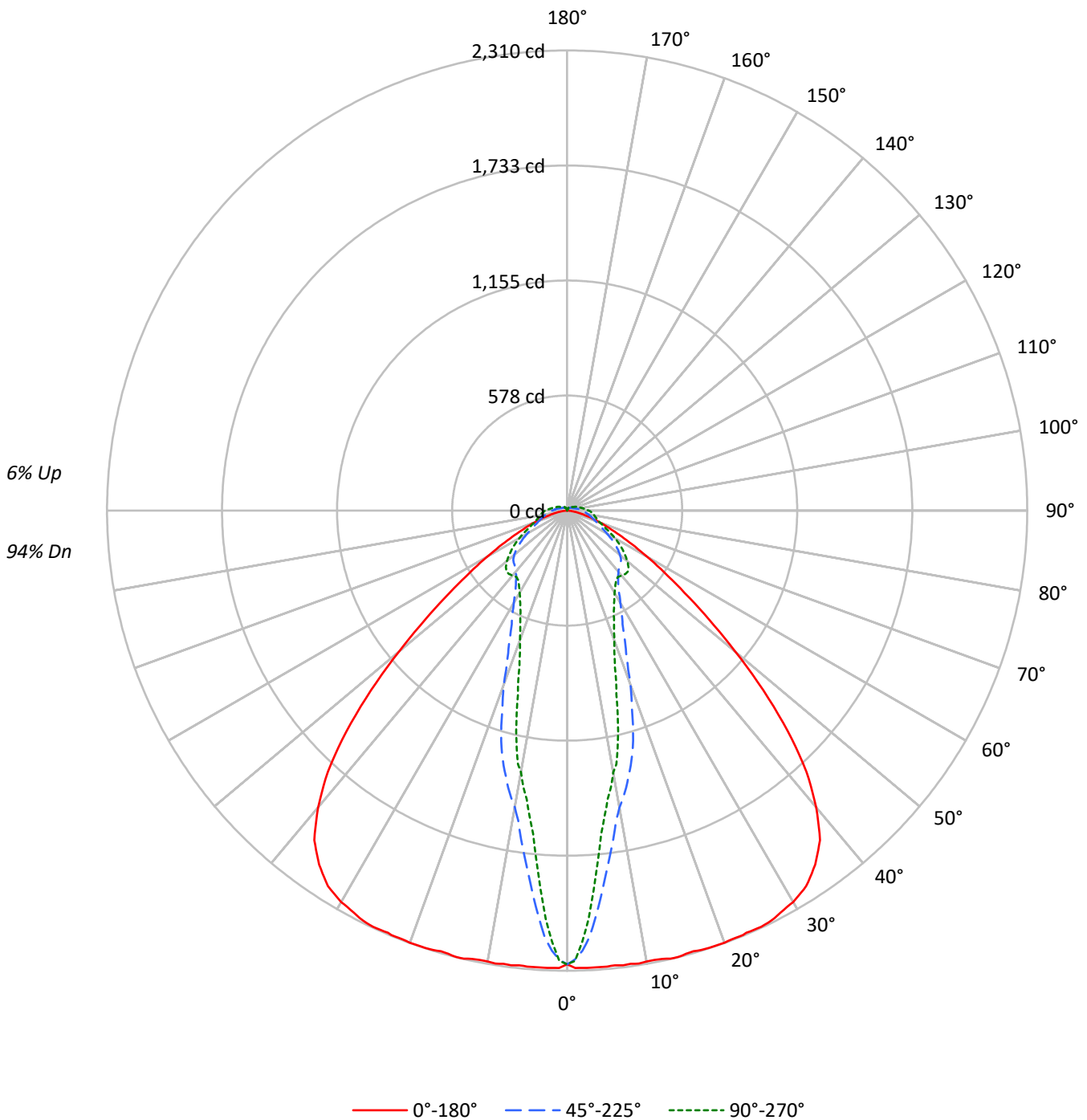
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2808.0 lumens  
Efficiency: N/A  
Efficacy: 160.5 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 (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	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°	49040	49040	49040
5°	49303	40180	36054
10°	49509	30264	26094
15°	50226	24684	18068
20°	51323	17824	12761
25°	52710	12742	10039
30°	53824	10161	8549
35°	53887	8576	7658
40°	51103	7781	7677
45°	44080	7500	7886
50°	33582	7117	7359
55°	24133	6208	6529
60°	17326	5166	5521
65°	12438	4357	4526
70°	8994	3835	3903
75°	6211	3535	3637
80°	3873	3294	3581
85°	1645	3120	3587



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	179.1	6.4
10°-20°	389.0	13.9
20°-30°	445.3	15.9
30°-40°	446.1	15.9
40°-50°	422.3	15.0
50°-60°	323.9	11.5
60°-70°	208.8	7.4
70°-80°	133.1	4.7
80°-90°	88.4	3.1
90°-100°	59.4	2.1
100°-110°	39.2	1.4
110°-120°	27.2	1.0
120°-130°	19.0	0.7
130°-140°	13.2	0.5
140°-150°	8.1	0.3
150°-160°	4.1	0.1
160°-170°	1.6	0.1
170°-180°	0.3	0.0
0°-30°	1013.5	36.1
0°-40°	1459.6	52.0
0°-60°	2205.7	78.6
0°-90°	2635.9	93.9
90°-120°	125.8	4.5
90°-150°	166.1	5.9
90°-180°	172.0	6.1
0°-180°	2808.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2278	2278	2278	2278	2278	
5°	2298	2172	1946	1815	1766	219
15°	2304	1659	1265	1039	956	653
25°	2305	1174	669	581	554	1063
35°	2170	653	448	433	427	1346
45°	1568	413	377	417	432	1193
55°	720	295	291	327	340	662
65°	288	186	183	209	216	296
75°	98	101	127	145	152	108
85°	13	46	89	117	125	18
90°	0	32	75	104	108	1
95°	0	23	62	85	89	0
105°	0	17	40	58	62	1
115°	1	14	30	42	45	1
125°	1	13	26	30	32	1
135°	1	10	20	24	26	1
145°	1	7	14	19	20	1
155°	1	4	9	13	14	1
165°	3	3	6	7	9	1
175°	3	3	3	3	1	0
180°	3	3	3	3	3	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2278.0	2278.0	2278.0	2278.0	2278.0
1°	2296.7	2283.7	2253.5	2262.2	2260.7
2°	2296.7	2269.4	2210.4	2193.1	2167.2
3°	2298.1	2244.9	2144.2	2088.0	2052.1
4°	2298.1	2208.9	2046.3	1952.8	1906.7
5°	2298.1	2171.5	1945.6	1814.6	1765.7
6°	2295.3	2126.9	1843.4	1705.3	1631.9
7°	2299.6	2078.0	1751.3	1603.1	1545.5
8°	2298.1	2020.4	1666.4	1525.4	1462.1
9°	2302.4	1964.3	1574.3	1452.0	1404.5
10°	2298.1	1912.5	1513.9	1382.9	1334.0
11°	2298.1	1862.1	1470.7	1338.3	1296.6
12°	2301.0	1804.5	1423.2	1275.0	1217.4
13°	2308.2	1745.5	1368.5	1205.9	1138.3
14°	2309.6	1700.9	1318.2	1118.1	1047.6
15°	2303.9	1659.2	1264.9	1039.0	955.5
16°	2301.0	1616.0	1201.6	964.2	889.3
17°	2306.8	1565.7	1129.6	887.9	818.8
18°	2308.2	1519.6	1053.4	830.3	769.9
19°	2308.2	1483.6	991.5	777.1	725.3
20°	2308.2	1449.1	928.2	736.8	692.2
21°	2305.3	1405.9	856.2	695.1	657.6
22.5°	2306.8	1325.3	774.2	646.1	615.9
23°	2302.4	1305.2	754.1	633.2	601.5
24°	2303.9	1247.6	710.9	607.3	577.1
25°	2305.3	1174.2	669.1	581.4	554.0
26°	2302.4	1115.2	634.6	556.9	538.2
27°	2295.3	1067.8	610.1	536.8	519.5
28°	2285.2	1004.4	584.2	519.5	503.7
29°	2275.1	932.5	558.3	500.8	489.3
30°	2269.4	874.9	533.9	486.4	476.3
32.5°	2234.8	761.2	483.5	457.6	449.0
35°	2170.1	653.3	447.5	433.1	427.4
37.5°	2085.2	569.9	420.2	417.3	418.8
40°	1945.6	503.7	400.1	413.0	426.0
42.5°	1778.6	451.9	385.7	417.3	431.7
45°	1568.5	413.0	377.0	417.3	431.7
47.5°	1335.4	381.3	367.0	402.9	417.3
50°	1102.3	352.6	346.8	381.3	394.3
52.5°	896.5	325.2	320.9	354.0	367.0
55°	719.5	295.0	290.7	326.7	339.6
57.5°	577.1	266.2	261.9	295.0	308.0
60°	460.5	237.4	230.2	263.3	276.3
62.5°	367.0	210.1	205.8	234.6	246.1
65°	287.8	185.6	182.8	208.7	215.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	227.4	162.6	164.0	185.6	194.3
70°	175.6	141.0	149.7	169.8	175.6
72.5°	132.4	119.4	138.1	155.4	162.6
75°	97.9	100.7	126.6	145.3	152.5
77.5°	67.6	83.5	116.6	136.7	143.9
80°	46.0	67.6	106.5	129.5	138.1
82.5°	27.3	56.1	97.9	122.3	132.4
85°	13.0	46.0	89.2	116.6	125.2
87.5°	4.3	37.4	80.6	110.8	118.0
90°	0.0	31.7	74.8	103.6	107.9
92.5°	0.0	27.3	67.6	95.0	97.9
95°	0.0	23.0	61.9	84.9	89.2
97.5°	0.0	21.6	57.6	76.3	82.0
100°	0.0	20.1	51.8	69.1	74.8
102.5°	0.0	17.3	46.0	61.9	67.6
105°	0.0	17.3	40.3	57.6	61.9
107.5°	1.4	15.8	37.4	51.8	57.6
110°	1.4	15.8	33.1	48.9	53.2
112.5°	1.4	15.8	31.7	44.6	50.4
115°	1.4	14.4	30.2	41.7	44.6
117.5°	1.4	14.4	28.8	37.4	40.3
120°	1.4	13.0	27.3	34.5	36.0
122.5°	1.4	13.0	25.9	31.7	33.1
125°	1.4	13.0	25.9	30.2	31.7
127.5°	1.4	11.5	24.5	28.8	28.8
130°	1.4	11.5	23.0	27.3	27.3
132.5°	1.4	10.1	21.6	25.9	27.3
135°	1.4	10.1	20.1	24.5	25.9
137.5°	1.4	8.6	18.7	23.0	24.5
140°	1.4	8.6	17.3	21.6	23.0
142.5°	1.4	7.2	15.8	20.1	21.6
145°	1.4	7.2	14.4	18.7	20.1
147.5°	1.4	7.2	13.0	17.3	18.7
150°	1.4	5.8	11.5	15.8	17.3
152.5°	1.4	5.8	10.1	14.4	15.8
155°	1.4	4.3	8.6	13.0	14.4
157.5°	1.4	4.3	8.6	11.5	13.0
160°	2.9	4.3	7.2	10.1	11.5
162.5°	1.4	2.9	7.2	8.6	10.1
165°	2.9	2.9	5.8	7.2	8.6
167.5°	2.9	2.9	4.3	5.8	7.2
170°	2.9	2.9	4.3	4.3	5.8
172.5°	2.9	2.9	2.9	4.3	2.9
175°	2.9	2.9	2.9	2.9	1.4
177.5°	2.9	2.9	2.9	2.9	1.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	2.9	2.9	2.9	2.9	2.9

(END OF REPORT)