

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: P566387

Luminaire Tested: **4SNX-41SL-LC-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566387
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: 4SNX-41SL-LC-UNV-L935-CD
Description: 4FT 4100 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

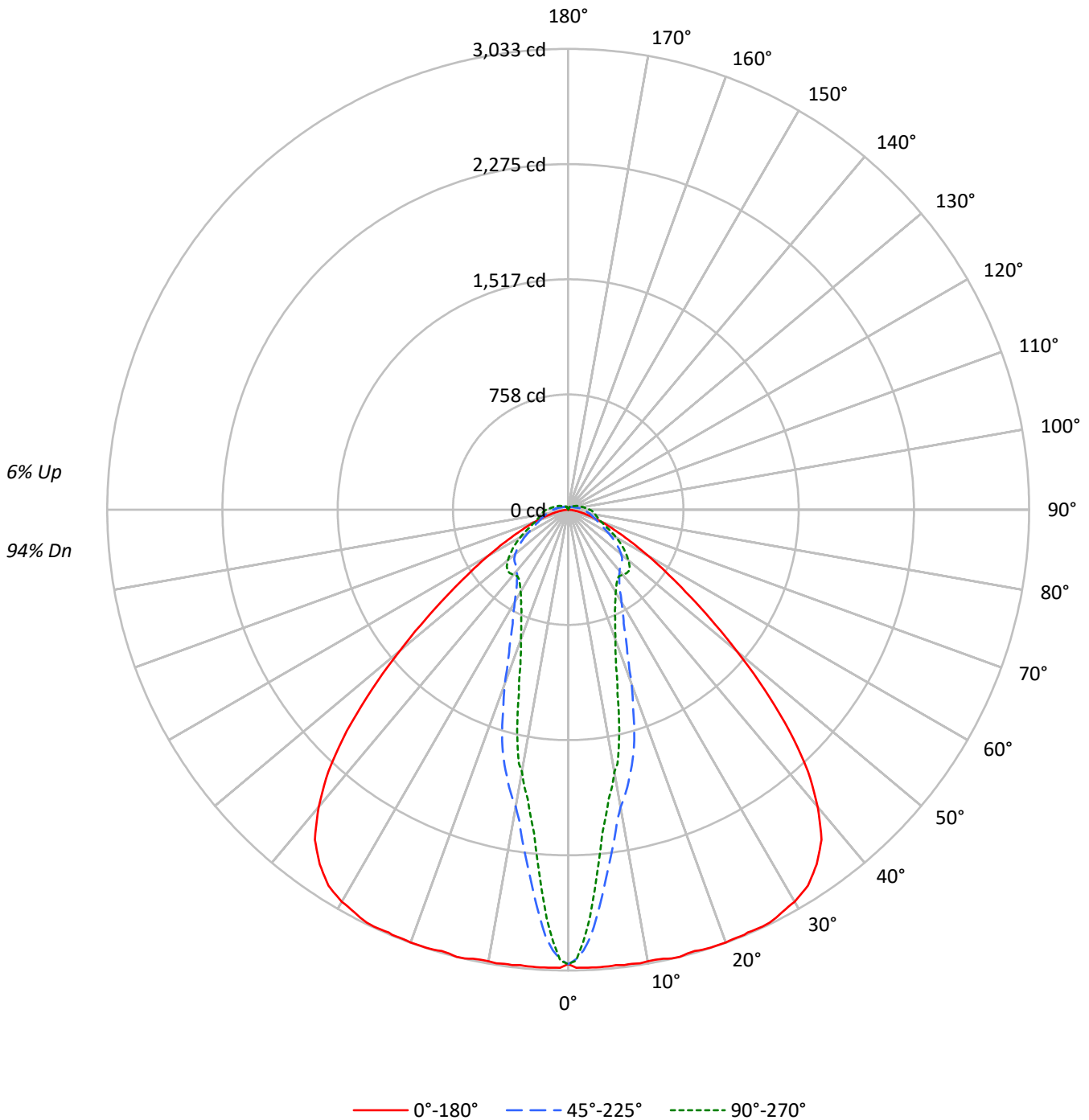
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3687.0 lumens
Efficiency: N/A
Efficacy: 140.2 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 26.3
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	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°	32196	32196	32196
5°	32486	26444	23670
10°	32741	19963	17131
15°	33338	16318	11862
20°	34198	11807	8377
25°	35265	8459	6591
30°	36165	6758	5613
35°	36381	5716	5027
40°	34683	5197	5040
45°	30098	5020	5177
50°	23091	4775	4831
55°	16733	4176	4287
60°	12140	3485	3625
65°	8835	2947	2971
70°	6509	2603	2562
75°	4625	2410	2388
80°	3033	2256	2352
85°	1422	2150	2355



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	235.2	6.4
10°-20°	510.8	13.9
20°-30°	584.7	15.9
30°-40°	585.7	15.9
40°-50°	554.5	15.0
50°-60°	425.2	11.5
60°-70°	274.1	7.4
70°-80°	174.8	4.7
80°-90°	116.1	3.1
90°-100°	78.0	2.1
100°-110°	51.4	1.4
110°-120°	35.8	1.0
120°-130°	24.9	0.7
130°-140°	17.3	0.5
140°-150°	10.6	0.3
150°-160°	5.4	0.1
160°-170°	2.1	0.1
170°-180°	0.4	0.0
0°-30°	1330.7	36.1
0°-40°	1916.4	52.0
0°-60°	2896.1	78.6
0°-90°	3461.1	93.9
90°-120°	165.2	4.5
90°-150°	218.1	5.9
90°-180°	226.0	6.1
0°-180°	3687.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2991	2991	2991	2991	2991	
5°	3018	2851	2555	2383	2318	288
15°	3025	2179	1661	1364	1255	858
25°	3027	1542	879	763	728	1395
35°	2849	858	588	569	561	1768
45°	2060	542	495	548	567	1566
55°	945	387	382	429	446	869
65°	378	244	240	274	283	389
75°	128	132	166	191	200	141
85°	17	60	117	153	164	23
90°	0	42	98	136	142	1
95°	0	30	81	112	117	0
105°	0	23	53	76	81	1
115°	2	19	40	55	59	2
125°	2	17	34	40	42	2
135°	2	13	26	32	34	1
145°	2	9	19	25	26	1
155°	2	6	11	17	19	1
165°	4	4	8	9	11	1
175°	4	4	4	4	2	0
180°	4	4	4	4	4	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2991.1	2991.1	2991.1	2991.1	2991.1
1°	3015.6	2998.6	2959.0	2970.3	2968.4
2°	3015.6	2979.7	2902.3	2879.6	2845.6
3°	3017.5	2947.6	2815.4	2741.7	2694.4
4°	3017.5	2900.4	2686.9	2564.0	2503.6
5°	3017.5	2851.3	2554.6	2382.7	2318.4
6°	3013.7	2792.7	2420.4	2239.1	2142.7
7°	3019.4	2728.4	2299.5	2104.9	2029.3
8°	3017.5	2652.9	2188.0	2002.9	1919.7
9°	3023.2	2579.2	2067.1	1906.5	1844.1
10°	3017.5	2511.1	1987.8	1815.8	1751.6
11°	3017.5	2445.0	1931.1	1757.2	1702.4
12°	3021.3	2369.4	1868.7	1674.1	1598.5
13°	3030.8	2292.0	1796.9	1583.4	1494.6
14°	3032.6	2233.4	1730.8	1468.1	1375.6
15°	3025.1	2178.6	1660.9	1364.2	1254.6
16°	3021.3	2121.9	1577.7	1266.0	1167.7
17°	3028.9	2055.8	1483.3	1165.8	1075.1
18°	3030.8	1995.3	1383.1	1090.2	1010.9
19°	3030.8	1948.1	1301.9	1020.3	952.3
20°	3030.8	1902.7	1218.7	967.4	908.8
21°	3027.0	1846.0	1124.3	912.6	863.5
22.5°	3028.9	1740.2	1016.5	848.4	808.7
23°	3023.2	1713.8	990.1	831.4	789.8
24°	3025.1	1638.2	933.4	797.4	757.7
25°	3027.0	1541.8	878.6	763.4	727.5
26°	3023.2	1464.4	833.3	731.2	706.7
27°	3013.7	1402.0	801.1	704.8	682.1
28°	3000.5	1318.9	767.1	682.1	661.3
29°	2987.3	1224.4	733.1	657.5	642.4
30°	2979.7	1148.8	701.0	638.6	625.4
32.5°	2934.4	999.5	634.9	600.9	589.5
35°	2849.4	857.8	587.6	568.7	561.2
37.5°	2737.9	748.2	551.7	548.0	549.8
40°	2554.6	661.3	525.3	542.3	559.3
42.5°	2335.4	593.3	506.4	548.0	566.8
45°	2059.6	542.3	495.0	548.0	566.8
47.5°	1753.5	500.7	481.8	529.1	548.0
50°	1447.4	462.9	455.4	500.7	517.7
52.5°	1177.2	427.0	421.4	464.8	481.8
55°	944.7	387.3	381.7	428.9	445.9
57.5°	757.7	349.6	343.9	387.3	404.4
60°	604.6	311.8	302.3	345.8	362.8
62.5°	481.8	275.9	270.2	308.0	323.1
65°	377.9	243.7	240.0	274.0	283.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	298.5	213.5	215.4	243.7	255.1
70°	230.5	185.2	196.5	223.0	230.5
72.5°	173.8	156.8	181.4	204.1	213.5
75°	128.5	132.3	166.3	190.8	200.3
77.5°	88.8	109.6	153.0	179.5	188.9
80°	60.5	88.8	139.8	170.1	181.4
82.5°	35.9	73.7	128.5	160.6	173.8
85°	17.0	60.5	117.1	153.0	164.4
87.5°	5.7	49.1	105.8	145.5	154.9
90°	0.0	41.6	98.3	136.0	141.7
92.5°	0.0	35.9	88.8	124.7	128.5
95°	0.0	30.2	81.2	111.5	117.1
97.5°	0.0	28.3	75.6	100.1	107.7
100°	0.0	26.5	68.0	90.7	98.3
102.5°	0.0	22.7	60.5	81.2	88.8
105°	0.0	22.7	52.9	75.6	81.2
107.5°	1.9	20.8	49.1	68.0	75.6
110°	1.9	20.8	43.5	64.2	69.9
112.5°	1.9	20.8	41.6	58.6	66.1
115°	1.9	18.9	39.7	54.8	58.6
117.5°	1.9	18.9	37.8	49.1	52.9
120°	1.9	17.0	35.9	45.3	47.2
122.5°	1.9	17.0	34.0	41.6	43.5
125°	1.9	17.0	34.0	39.7	41.6
127.5°	1.9	15.1	32.1	37.8	37.8
130°	1.9	15.1	30.2	35.9	35.9
132.5°	1.9	13.2	28.3	34.0	35.9
135°	1.9	13.2	26.5	32.1	34.0
137.5°	1.9	11.3	24.6	30.2	32.1
140°	1.9	11.3	22.7	28.3	30.2
142.5°	1.9	9.4	20.8	26.5	28.3
145°	1.9	9.4	18.9	24.6	26.5
147.5°	1.9	9.4	17.0	22.7	24.6
150°	1.9	7.6	15.1	20.8	22.7
152.5°	1.9	7.6	13.2	18.9	20.8
155°	1.9	5.7	11.3	17.0	18.9
157.5°	1.9	5.7	11.3	15.1	17.0
160°	3.8	5.7	9.4	13.2	15.1
162.5°	1.9	3.8	9.4	11.3	13.2
165°	3.8	3.8	7.6	9.4	11.3
167.5°	3.8	3.8	5.7	7.6	9.4
170°	3.8	3.8	5.7	5.7	7.6
172.5°	3.8	3.8	3.8	5.7	3.8
175°	3.8	3.8	3.8	3.8	1.9
177.5°	3.8	3.8	3.8	3.8	1.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	3.8	3.8	3.8	3.8	3.8

(END OF REPORT)