

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: P566384

Luminaire Tested: **4SNX-41SL-LC-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566384
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-L840-CD
Description: 4FT 4100 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

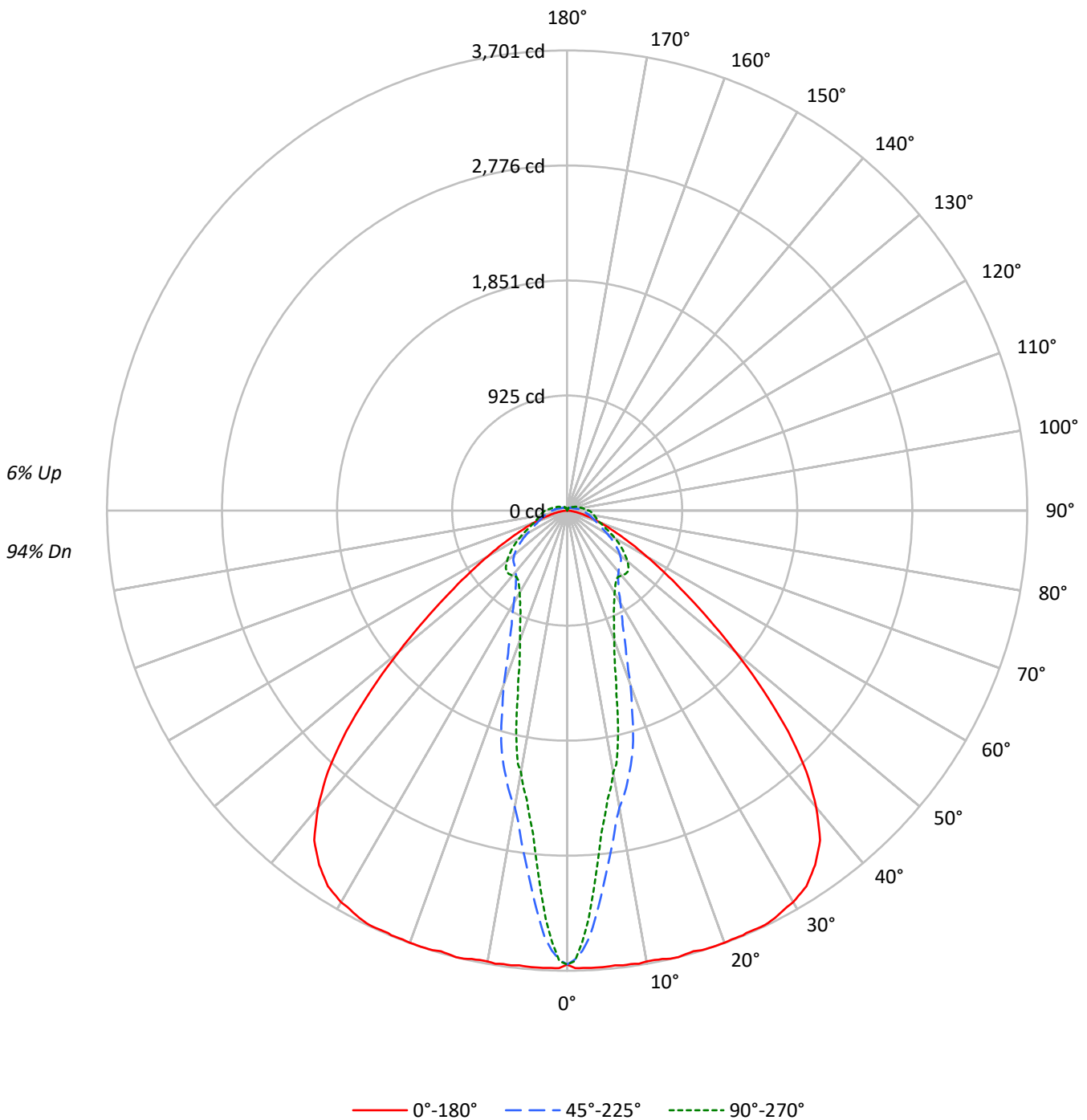
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4500.0 lumens
Efficiency: N/A
Efficacy: 171.1 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 (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

TEST NUMBER: P566384
CATALOG NUMBER: 4SNX-41SL-LC-UNV-L840-CD

Luminous Intensity Polar Plot





TEST NUMBER: P566384

CATALOG NUMBER: 4SNX-41SL-LC-UNV-L840-CD

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°	39295	39295	39295
5°	39649	32275	28889
10°	39960	24365	20908
15°	40689	19916	14478
20°	41738	14412	10225
25°	43041	10325	8044
30°	44140	8249	6850
35°	44403	6977	6136
40°	42331	6343	6151
45°	36734	6128	6318
50°	28182	5828	5897
55°	20424	5096	5232
60°	14818	4254	4424
65°	10783	3597	3626
70°	7944	3176	3126
75°	5643	2941	2915
80°	3700	2755	2871
85°	1740	2626	2874



TEST NUMBER: P566384

CATALOG NUMBER: 4SNX-41SL-LC-UNV-L840-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	287.1	6.4
10°-20°	623.4	13.9
20°-30°	713.6	15.9
30°-40°	714.9	15.9
40°-50°	676.7	15.0
50°-60°	519.0	11.5
60°-70°	334.5	7.4
70°-80°	213.3	4.7
80°-90°	141.7	3.1
90°-100°	95.2	2.1
100°-110°	62.8	1.4
110°-120°	43.7	1.0
120°-130°	30.4	0.7
130°-140°	21.1	0.5
140°-150°	12.9	0.3
150°-160°	6.6	0.1
160°-170°	2.5	0.1
170°-180°	0.5	0.0
0°-30°	1624.1	36.1
0°-40°	2339.0	52.0
0°-60°	3534.8	78.6
0°-90°	4224.3	93.9
90°-120°	201.6	4.5
90°-150°	266.1	5.9
90°-180°	276.0	6.1
0°-180°	4500.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3651	3651	3651	3651	3651	
5°	3683	3480	3118	2908	2830	352
15°	3692	2659	2027	1665	1531	1047
25°	3694	1882	1072	932	888	1703
35°	3478	1047	717	694	685	2158
45°	2514	662	604	669	692	1911
55°	1153	473	466	524	544	1060
65°	461	298	293	334	346	474
75°	157	161	203	233	244	172
85°	21	74	143	187	201	29
90°	0	51	120	166	173	1
95°	0	37	99	136	143	0
105°	0	28	65	92	99	2
115°	2	23	48	67	72	2
125°	2	21	42	48	51	2
135°	2	16	32	39	42	2
145°	2	12	23	30	32	1
155°	2	7	14	21	23	1
165°	5	5	9	12	14	1
175°	5	5	5	5	2	0
180°	5	5	5	5	5	



TEST NUMBER: P566384

CATALOG NUMBER: 4SNX-41SL-LC-UNV-L840-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3650.6	3650.6	3650.6	3650.6	3650.6
1°	3680.6	3659.8	3611.4	3625.3	3622.9
2°	3680.6	3636.8	3542.2	3514.6	3473.0
3°	3682.9	3597.6	3436.1	3346.2	3288.6
4°	3682.9	3539.9	3279.3	3129.4	3055.6
5°	3682.9	3480.0	3117.9	2908.0	2829.6
6°	3678.3	3408.5	2954.2	2732.8	2615.2
7°	3685.2	3330.1	2806.6	2569.0	2476.8
8°	3682.9	3237.8	2670.5	2444.5	2343.0
9°	3689.8	3147.9	2522.9	2326.9	2250.8
10°	3682.9	3064.9	2426.1	2216.2	2137.8
11°	3682.9	2984.1	2356.9	2144.7	2077.8
12°	3687.5	2891.9	2280.8	2043.2	1951.0
13°	3699.0	2797.3	2193.1	1932.5	1824.2
14°	3701.4	2725.9	2112.4	1791.9	1678.9
15°	3692.1	2659.0	2027.1	1665.0	1531.3
16°	3687.5	2589.8	1925.6	1545.1	1425.2
17°	3696.7	2509.1	1810.3	1422.9	1312.2
18°	3699.0	2435.3	1688.1	1330.6	1233.8
19°	3699.0	2377.6	1588.9	1245.3	1162.3
20°	3699.0	2322.3	1487.5	1180.7	1109.3
21°	3694.4	2253.1	1372.2	1113.9	1053.9
22.5°	3696.7	2124.0	1240.7	1035.5	987.0
23°	3689.8	2091.7	1208.4	1014.7	964.0
24°	3692.1	1999.4	1139.2	973.2	924.8
25°	3694.4	1881.8	1072.4	931.7	887.9
26°	3689.8	1787.3	1017.0	892.5	862.5
27°	3678.3	1711.2	977.8	860.2	832.5
28°	3662.1	1609.7	936.3	832.5	807.1
29°	3646.0	1494.4	894.8	802.5	784.1
30°	3636.8	1402.1	855.6	779.5	763.3
32.5°	3581.4	1219.9	774.9	733.4	719.5
35°	3477.7	1047.0	717.2	694.1	684.9
37.5°	3341.6	913.2	673.4	668.8	671.1
40°	3117.9	807.1	641.1	661.9	682.6
42.5°	2850.4	724.1	618.0	668.8	691.8
45°	2513.7	661.9	604.2	668.8	691.8
47.5°	2140.1	611.1	588.1	645.7	668.8
50°	1766.5	565.0	555.8	611.1	631.9
52.5°	1436.7	521.2	514.3	567.3	588.1
55°	1153.1	472.8	465.8	523.5	544.2
57.5°	924.8	426.6	419.7	472.8	493.5
60°	738.0	380.5	369.0	422.0	442.8
62.5°	588.1	336.7	329.8	375.9	394.3
65°	461.2	297.5	292.9	334.4	345.9



TEST NUMBER: P566384

CATALOG NUMBER: 4SNX-41SL-LC-UNV-L840-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	364.4	260.6	262.9	297.5	311.3
70°	281.3	226.0	239.8	272.1	281.3
72.5°	212.2	191.4	221.4	249.1	260.6
75°	156.8	161.4	202.9	232.9	244.5
77.5°	108.4	133.8	186.8	219.1	230.6
80°	73.8	108.4	170.7	207.6	221.4
82.5°	43.8	89.9	156.8	196.0	212.2
85°	20.8	73.8	143.0	186.8	200.6
87.5°	6.9	60.0	129.1	177.6	189.1
90°	0.0	50.7	119.9	166.0	173.0
92.5°	0.0	43.8	108.4	152.2	156.8
95°	0.0	36.9	99.2	136.1	143.0
97.5°	0.0	34.6	92.2	122.2	131.4
100°	0.0	32.3	83.0	110.7	119.9
102.5°	0.0	27.7	73.8	99.2	108.4
105°	0.0	27.7	64.6	92.2	99.2
107.5°	2.3	25.4	60.0	83.0	92.2
110°	2.3	25.4	53.0	78.4	85.3
112.5°	2.3	25.4	50.7	71.5	80.7
115°	2.3	23.1	48.4	66.9	71.5
117.5°	2.3	23.1	46.1	60.0	64.6
120°	2.3	20.8	43.8	55.3	57.7
122.5°	2.3	20.8	41.5	50.7	53.0
125°	2.3	20.8	41.5	48.4	50.7
127.5°	2.3	18.4	39.2	46.1	46.1
130°	2.3	18.4	36.9	43.8	43.8
132.5°	2.3	16.1	34.6	41.5	43.8
135°	2.3	16.1	32.3	39.2	41.5
137.5°	2.3	13.8	30.0	36.9	39.2
140°	2.3	13.8	27.7	34.6	36.9
142.5°	2.3	11.5	25.4	32.3	34.6
145°	2.3	11.5	23.1	30.0	32.3
147.5°	2.3	11.5	20.8	27.7	30.0
150°	2.3	9.2	18.4	25.4	27.7
152.5°	2.3	9.2	16.1	23.1	25.4
155°	2.3	6.9	13.8	20.8	23.1
157.5°	2.3	6.9	13.8	18.4	20.8
160°	4.6	6.9	11.5	16.1	18.4
162.5°	2.3	4.6	11.5	13.8	16.1
165°	4.6	4.6	9.2	11.5	13.8
167.5°	4.6	4.6	6.9	9.2	11.5
170°	4.6	4.6	6.9	6.9	9.2
172.5°	4.6	4.6	4.6	6.9	4.6
175°	4.6	4.6	4.6	4.6	2.3
177.5°	4.6	4.6	4.6	4.6	2.3



TEST NUMBER: P566384

CATALOG NUMBER: 4SNX-41SL-LC-UNV-L840-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	4.6	4.6	4.6	4.6	4.6

(END OF REPORT)