

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: P566385

Luminaire Tested: **4SNX-41SL-LC-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566385
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-L850-CD
Description: 4FT 4100 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

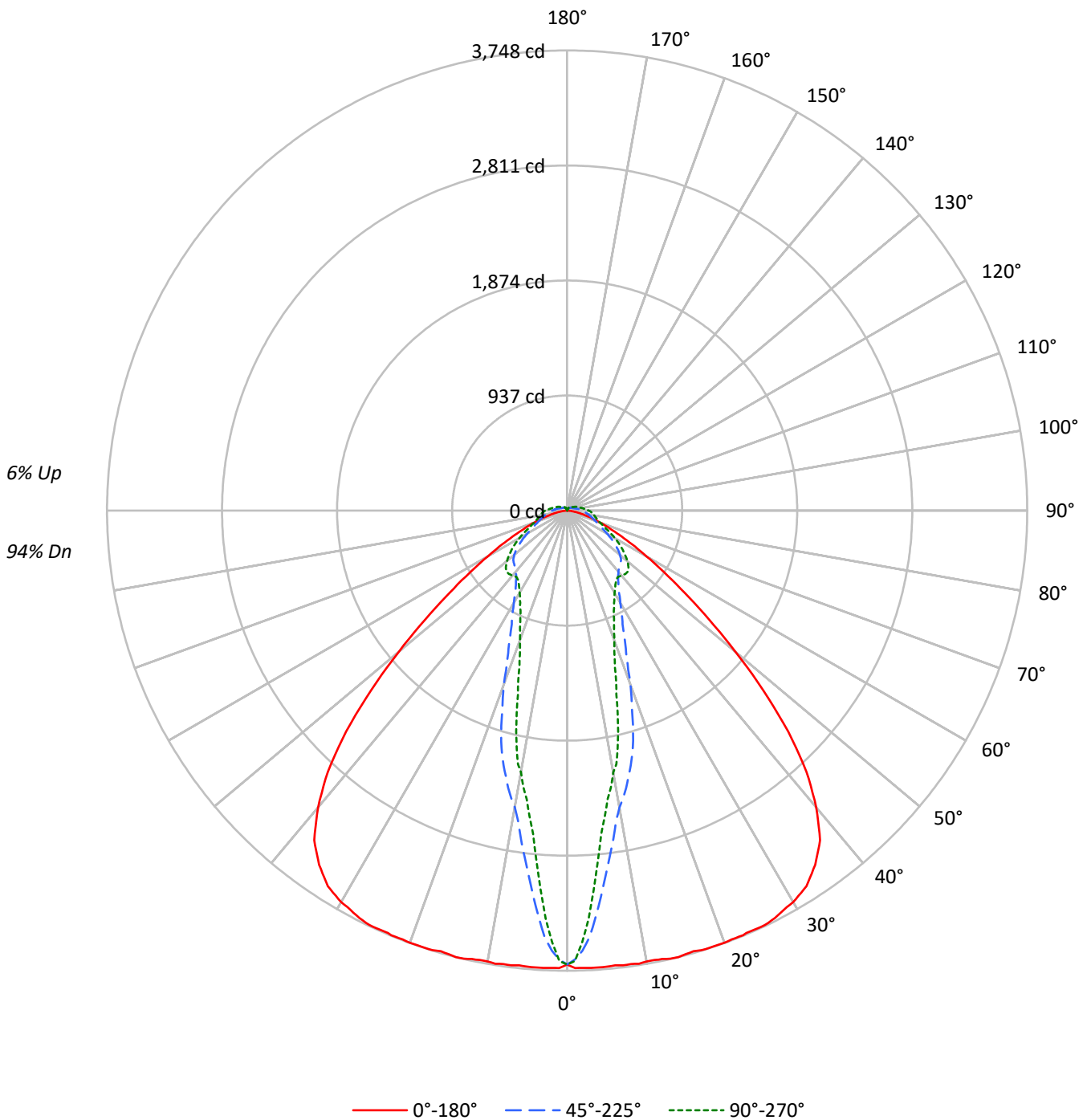
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4557.0 lumens
Efficiency: N/A
Efficacy: 173.3 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°	39793	39793	39793
5°	40152	32684	29255
10°	40467	24674	21173
15°	41205	20169	14661
20°	42267	14594	10355
25°	43586	10455	8146
30°	44699	8353	6937
35°	44964	7066	6214
40°	42867	6423	6229
45°	37199	6206	6399
50°	28539	5902	5971
55°	20683	5161	5298
60°	15005	4308	4480
65°	10921	3642	3672
70°	8045	3217	3166
75°	5715	2979	2951
80°	3745	2789	2907
85°	1757	2659	2911



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	290.7	6.4
10°-20°	631.3	13.9
20°-30°	722.7	15.9
30°-40°	723.9	15.9
40°-50°	685.3	15.0
50°-60°	525.6	11.5
60°-70°	338.8	7.4
70°-80°	216.0	4.7
80°-90°	143.5	3.1
90°-100°	96.4	2.1
100°-110°	63.5	1.4
110°-120°	44.2	1.0
120°-130°	30.8	0.7
130°-140°	21.4	0.5
140°-150°	13.1	0.3
150°-160°	6.6	0.1
160°-170°	2.6	0.1
170°-180°	0.5	0.0
0°-30°	1644.7	36.1
0°-40°	2368.6	52.0
0°-60°	3579.5	78.6
0°-90°	4277.8	93.9
90°-120°	204.2	4.5
90°-150°	269.5	5.9
90°-180°	279.0	6.1
0°-180°	4557.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3697	3697	3697	3697	3697	
5°	3730	3524	3157	2945	2866	356
15°	3739	2693	2053	1686	1551	1061
25°	3741	1906	1086	944	899	1725
35°	3522	1060	726	703	694	2185
45°	2546	670	612	677	701	1935
55°	1168	479	472	530	551	1074
65°	467	301	297	339	350	480
75°	159	164	206	236	248	175
85°	21	75	145	189	203	29
90°	0	51	121	168	175	1
95°	0	37	100	138	145	0
105°	0	28	65	93	100	2
115°	2	23	49	68	72	2
125°	2	21	42	49	51	2
135°	2	16	33	40	42	2
145°	2	12	23	30	33	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	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3696.9	3696.9	3696.9	3696.9	3696.9
1°	3727.2	3706.2	3657.2	3671.2	3668.8
2°	3727.2	3682.8	3587.1	3559.1	3517.0
3°	3729.6	3643.1	3479.7	3388.6	3330.2
4°	3729.6	3584.8	3320.9	3169.1	3094.3
5°	3729.6	3524.0	3157.4	2944.9	2865.5
6°	3724.9	3451.6	2991.6	2767.4	2648.3
7°	3731.9	3372.2	2842.1	2601.6	2508.2
8°	3729.6	3278.8	2704.3	2475.5	2372.7
9°	3736.6	3187.8	2554.9	2356.4	2279.3
10°	3729.6	3103.7	2456.8	2244.3	2164.9
11°	3729.6	3021.9	2386.7	2171.9	2104.2
12°	3734.2	2928.5	2309.7	2069.1	1975.7
13°	3745.9	2832.8	2220.9	1957.0	1847.3
14°	3748.2	2760.4	2139.2	1814.6	1700.1
15°	3738.9	2692.7	2052.8	1686.1	1550.7
16°	3734.2	2622.6	1950.0	1564.7	1443.2
17°	3743.6	2540.9	1833.2	1440.9	1328.8
18°	3745.9	2466.1	1709.5	1347.5	1249.4
19°	3745.9	2407.7	1609.1	1261.1	1177.0
20°	3745.9	2351.7	1506.3	1195.7	1123.3
21°	3741.2	2281.6	1389.5	1128.0	1067.3
22.5°	3743.6	2150.9	1256.4	1048.6	999.5
23°	3736.6	2118.2	1223.7	1027.6	976.2
24°	3738.9	2024.7	1153.7	985.5	936.5
25°	3741.2	1905.6	1085.9	943.5	899.1
26°	3736.6	1809.9	1029.9	903.8	873.4
27°	3724.9	1732.8	990.2	871.1	843.1
28°	3708.5	1630.1	948.2	843.1	817.4
29°	3692.2	1513.3	906.1	812.7	794.0
30°	3682.8	1419.9	866.4	789.3	773.0
32.5°	3626.8	1235.4	784.7	742.6	728.6
35°	3521.7	1060.2	726.3	702.9	693.6
37.5°	3383.9	924.8	681.9	677.3	679.6
40°	3157.4	817.4	649.2	670.2	691.3
42.5°	2886.5	733.3	625.9	677.3	700.6
45°	2545.5	670.2	611.9	677.3	700.6
47.5°	2167.2	618.9	595.5	653.9	677.3
50°	1788.9	572.2	562.8	618.9	639.9
52.5°	1454.9	527.8	520.8	574.5	595.5
55°	1167.7	478.7	471.7	530.1	551.1
57.5°	936.5	432.0	425.0	478.7	499.8
60°	747.3	385.3	373.7	427.4	448.4
62.5°	595.5	341.0	334.0	380.7	399.3
65°	467.1	301.3	296.6	338.6	350.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	369.0	263.9	266.2	301.3	315.3
70°	284.9	228.9	242.9	275.6	284.9
72.5°	214.9	193.8	224.2	252.2	263.9
75°	158.8	163.5	205.5	235.9	247.5
77.5°	109.8	135.5	189.2	221.9	233.5
80°	74.7	109.8	172.8	210.2	224.2
82.5°	44.4	91.1	158.8	198.5	214.9
85°	21.0	74.7	144.8	189.2	203.2
87.5°	7.0	60.7	130.8	179.8	191.5
90°	0.0	51.4	121.4	168.1	175.2
92.5°	0.0	44.4	109.8	154.1	158.8
95°	0.0	37.4	100.4	137.8	144.8
97.5°	0.0	35.0	93.4	123.8	133.1
100°	0.0	32.7	84.1	112.1	121.4
102.5°	0.0	28.0	74.7	100.4	109.8
105°	0.0	28.0	65.4	93.4	100.4
107.5°	2.3	25.7	60.7	84.1	93.4
110°	2.3	25.7	53.7	79.4	86.4
112.5°	2.3	25.7	51.4	72.4	81.7
115°	2.3	23.4	49.0	67.7	72.4
117.5°	2.3	23.4	46.7	60.7	65.4
120°	2.3	21.0	44.4	56.0	58.4
122.5°	2.3	21.0	42.0	51.4	53.7
125°	2.3	21.0	42.0	49.0	51.4
127.5°	2.3	18.7	39.7	46.7	46.7
130°	2.3	18.7	37.4	44.4	44.4
132.5°	2.3	16.3	35.0	42.0	44.4
135°	2.3	16.3	32.7	39.7	42.0
137.5°	2.3	14.0	30.4	37.4	39.7
140°	2.3	14.0	28.0	35.0	37.4
142.5°	2.3	11.7	25.7	32.7	35.0
145°	2.3	11.7	23.4	30.4	32.7
147.5°	2.3	11.7	21.0	28.0	30.4
150°	2.3	9.3	18.7	25.7	28.0
152.5°	2.3	9.3	16.3	23.4	25.7
155°	2.3	7.0	14.0	21.0	23.4
157.5°	2.3	7.0	14.0	18.7	21.0
160°	4.7	7.0	11.7	16.3	18.7
162.5°	2.3	4.7	11.7	14.0	16.3
165°	4.7	4.7	9.3	11.7	14.0
167.5°	4.7	4.7	7.0	9.3	11.7
170°	4.7	4.7	7.0	7.0	9.3
172.5°	4.7	4.7	4.7	7.0	4.7
175°	4.7	4.7	4.7	4.7	2.3
177.5°	4.7	4.7	4.7	4.7	2.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	4.7	4.7	4.7	4.7	4.7

(END OF REPORT)