

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: P566386

Luminaire Tested: **4SNX-41SL-LC-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566386
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-L930-CD
Description: 4FT 4100 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

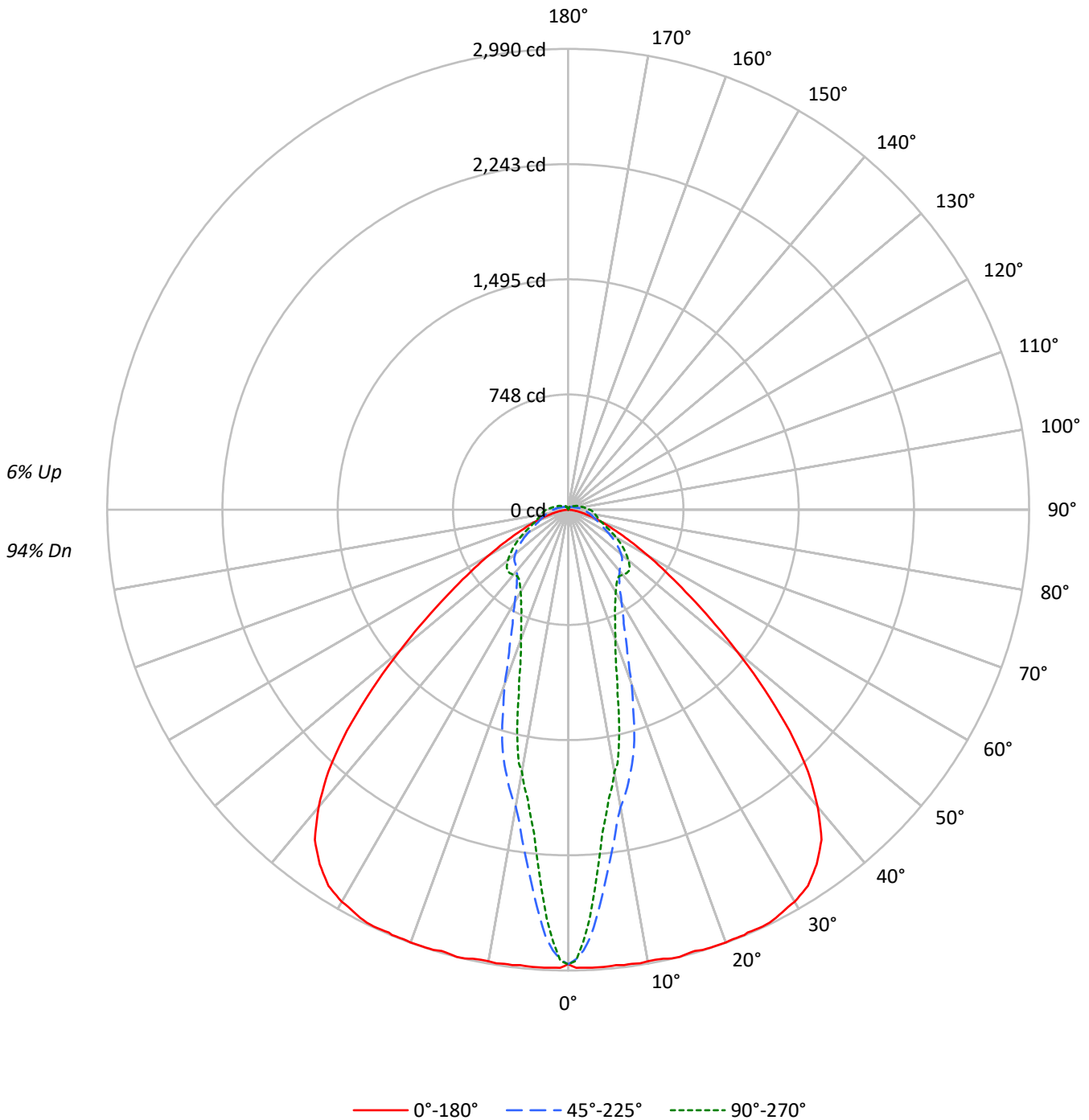
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3635.0 lumens
Efficiency: N/A
Efficacy: 138.2 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 (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	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°	31742	31742	31742
5°	32028	26071	23336
10°	32279	19681	16890
15°	32868	16087	11694
20°	33715	11641	8259
25°	34768	8340	6498
30°	35655	6663	5534
35°	35867	5636	4957
40°	34194	5124	4968
45°	29673	4950	5105
50°	22764	4707	4763
55°	16497	4117	4226
60°	11969	3436	3574
65°	8712	2905	2929
70°	6419	2566	2526
75°	4560	2376	2355
80°	2988	2226	2318
85°	1405	2121	2322



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	231.9	6.4
10°-20°	503.6	13.9
20°-30°	576.4	15.9
30°-40°	577.5	15.9
40°-50°	546.6	15.0
50°-60°	419.2	11.5
60°-70°	270.2	7.4
70°-80°	172.3	4.7
80°-90°	114.4	3.1
90°-100°	76.9	2.1
100°-110°	50.7	1.4
110°-120°	35.3	1.0
120°-130°	24.6	0.7
130°-140°	17.1	0.5
140°-150°	10.5	0.3
150°-160°	5.3	0.1
160°-170°	2.0	0.1
170°-180°	0.4	0.0
0°-30°	1311.9	36.1
0°-40°	1889.4	52.0
0°-60°	2855.3	78.5
0°-90°	3412.3	93.9
90°-120°	162.9	4.5
90°-150°	215.0	5.9
90°-180°	223.0	6.1
0°-180°	3635.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2949	2949	2949	2949	2949	
5°	2975	2811	2519	2349	2286	284
15°	2982	2148	1637	1345	1237	846
25°	2984	1520	866	753	717	1376
35°	2809	846	579	561	553	1743
45°	2030	535	488	540	559	1544
55°	931	382	376	423	440	857
65°	373	240	237	270	279	383
75°	127	130	164	188	198	139
85°	17	60	116	151	162	23
90°	0	41	97	134	140	1
95°	0	30	80	110	116	0
105°	0	22	52	74	80	1
115°	2	19	39	54	58	2
125°	2	17	34	39	41	2
135°	2	13	26	32	34	1
145°	2	9	19	24	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°	2948.9	2948.9	2948.9	2948.9	2948.9
1°	2973.1	2956.3	2917.2	2928.4	2926.5
2°	2973.1	2937.7	2861.3	2839.0	2805.4
3°	2975.0	2906.0	2775.6	2703.0	2656.4
4°	2975.0	2859.5	2649.0	2527.9	2468.3
5°	2975.0	2811.0	2518.6	2349.1	2285.7
6°	2971.2	2753.3	2386.3	2207.5	2112.5
7°	2976.8	2690.0	2267.1	2075.2	2000.7
8°	2975.0	2615.4	2157.2	1974.6	1892.7
9°	2980.6	2542.8	2038.0	1879.6	1818.1
10°	2975.0	2475.7	1959.7	1790.2	1726.9
11°	2975.0	2410.5	1903.8	1732.4	1678.4
12°	2978.7	2336.0	1842.4	1650.5	1576.0
13°	2988.0	2259.6	1771.6	1561.1	1473.5
14°	2989.9	2201.9	1706.4	1447.4	1356.2
15°	2982.4	2147.9	1637.4	1345.0	1236.9
16°	2978.7	2092.0	1555.5	1248.1	1151.2
17°	2986.1	2026.8	1462.3	1149.4	1060.0
18°	2988.0	1967.2	1363.6	1074.9	996.6
19°	2988.0	1920.6	1283.5	1005.9	938.9
20°	2988.0	1875.9	1201.5	953.8	896.0
21°	2984.3	1820.0	1108.4	899.8	851.3
22.5°	2986.1	1715.7	1002.2	836.4	797.3
23°	2980.6	1689.6	976.1	819.7	778.7
24°	2982.4	1615.1	920.2	786.1	747.0
25°	2984.3	1520.1	866.2	752.6	717.2
26°	2980.6	1443.7	821.5	720.9	696.7
27°	2971.2	1382.2	789.8	694.8	672.5
28°	2958.2	1300.3	756.3	672.5	652.0
29°	2945.2	1207.1	722.8	648.3	633.4
30°	2937.7	1132.6	691.1	629.6	616.6
32.5°	2893.0	985.4	625.9	592.4	581.2
35°	2809.2	845.7	579.3	560.7	553.3
37.5°	2699.3	737.7	544.0	540.2	542.1
40°	2518.6	652.0	517.9	534.6	551.4
42.5°	2302.5	584.9	499.2	540.2	558.9
45°	2030.5	534.6	488.1	540.2	558.9
47.5°	1728.7	493.7	475.0	521.6	540.2
50°	1426.9	456.4	448.9	493.7	510.4
52.5°	1160.6	421.0	415.4	458.3	475.0
55°	931.4	381.9	376.3	422.9	439.6
57.5°	747.0	344.6	339.0	381.9	398.6
60°	596.1	307.4	298.1	340.9	357.7
62.5°	475.0	272.0	266.4	303.6	318.5
65°	372.6	240.3	236.6	270.1	279.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	294.3	210.5	212.4	240.3	251.5
70°	227.3	182.6	193.7	219.8	227.3
72.5°	171.4	154.6	178.8	201.2	210.5
75°	126.7	130.4	163.9	188.1	197.5
77.5°	87.6	108.0	150.9	177.0	186.3
80°	59.6	87.6	137.9	167.7	178.8
82.5°	35.4	72.7	126.7	158.3	171.4
85°	16.8	59.6	115.5	150.9	162.1
87.5°	5.6	48.4	104.3	143.4	152.8
90°	0.0	41.0	96.9	134.1	139.7
92.5°	0.0	35.4	87.6	122.9	126.7
95°	0.0	29.8	80.1	109.9	115.5
97.5°	0.0	27.9	74.5	98.7	106.2
100°	0.0	26.1	67.1	89.4	96.9
102.5°	0.0	22.4	59.6	80.1	87.6
105°	0.0	22.4	52.2	74.5	80.1
107.5°	1.9	20.5	48.4	67.1	74.5
110°	1.9	20.5	42.8	63.3	68.9
112.5°	1.9	20.5	41.0	57.7	65.2
115°	1.9	18.6	39.1	54.0	57.7
117.5°	1.9	18.6	37.3	48.4	52.2
120°	1.9	16.8	35.4	44.7	46.6
122.5°	1.9	16.8	33.5	41.0	42.8
125°	1.9	16.8	33.5	39.1	41.0
127.5°	1.9	14.9	31.7	37.3	37.3
130°	1.9	14.9	29.8	35.4	35.4
132.5°	1.9	13.0	27.9	33.5	35.4
135°	1.9	13.0	26.1	31.7	33.5
137.5°	1.9	11.2	24.2	29.8	31.7
140°	1.9	11.2	22.4	27.9	29.8
142.5°	1.9	9.3	20.5	26.1	27.9
145°	1.9	9.3	18.6	24.2	26.1
147.5°	1.9	9.3	16.8	22.4	24.2
150°	1.9	7.5	14.9	20.5	22.4
152.5°	1.9	7.5	13.0	18.6	20.5
155°	1.9	5.6	11.2	16.8	18.6
157.5°	1.9	5.6	11.2	14.9	16.8
160°	3.7	5.6	9.3	13.0	14.9
162.5°	1.9	3.7	9.3	11.2	13.0
165°	3.7	3.7	7.5	9.3	11.2
167.5°	3.7	3.7	5.6	7.5	9.3
170°	3.7	3.7	5.6	5.6	7.5
172.5°	3.7	3.7	3.7	5.6	3.7
175°	3.7	3.7	3.7	3.7	1.9
177.5°	3.7	3.7	3.7	3.7	1.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	3.7	3.7	3.7	3.7	3.7

(END OF REPORT)