

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: P567990

Luminaire Tested: **8SNX-74SL-LN-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567990
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-6)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-74SL-LN-UNV-L930-CD
Description: 8FT 7400 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

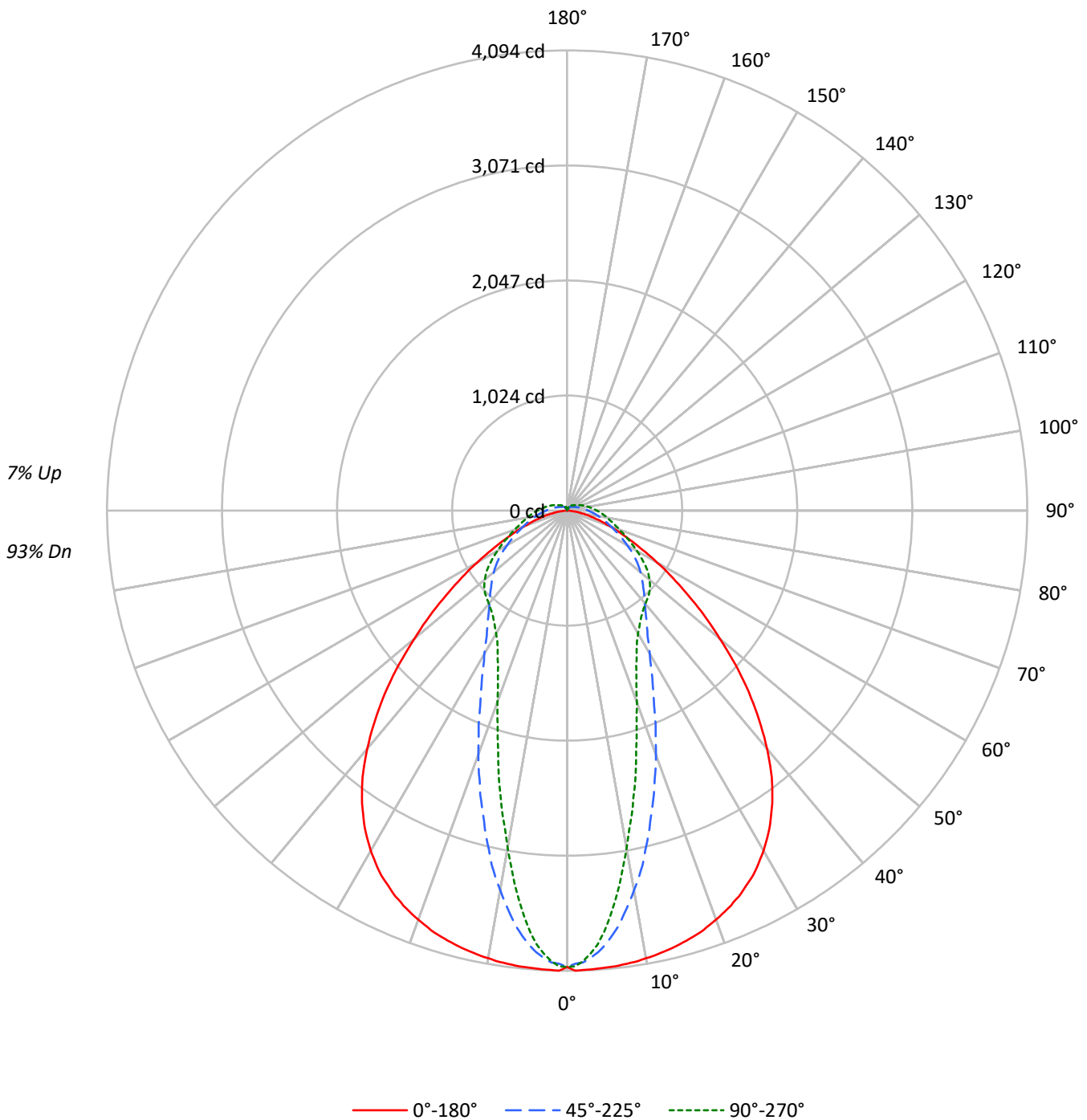
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6472.0 lumens
Efficiency: N/A
Efficacy: 134.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 48
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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93				
1	107	103	99	95	104	100	96	93	94	91	88	89	87	85	85	83	81	78				
2	99	91	84	79	95	88	82	77	84	79	75	79	75	72	76	72	69	67				
3	91	81	73	67	88	79	72	66	75	69	64	71	66	62	68	64	60	58				
4	84	73	64	58	81	71	63	57	67	61	56	64	59	54	62	57	53	51				
5	78	66	57	51	75	64	56	51	61	55	49	59	53	48	56	51	47	45				
6	72	60	51	45	70	59	51	45	56	49	44	54	48	43	52	46	42	40				
7	67	55	47	41	65	54	46	41	52	45	40	50	44	39	48	42	38	36				
8	63	51	43	37	61	50	42	37	48	41	36	46	40	36	44	39	35	33				
9	59	47	39	34	58	46	39	34	44	38	33	43	37	33	41	36	32	30				
10	56	44	36	31	54	43	36	31	41	35	31	40	34	30	39	34	30	28				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	21851	21851	21851
5°	22004	20108	19219
10°	22015	17261	14911
15°	22046	14096	11176
20°	22018	11241	8364
25°	21863	8817	6638
30°	21453	7143	5662
35°	20603	6052	5150
40°	19111	5348	4875
45°	17045	4899	4724
50°	14494	4514	4463
55°	11961	4095	4076
60°	9620	3607	3575
65°	7525	3172	3111
70°	5906	2811	2752
75°	4646	2531	2507
80°	3384	2322	2331
85°	2030	2172	2236



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	359.5	5.6
10°-20°	842.8	13.0
20°-30°	1000.4	15.5
30°-40°	1006.5	15.6
40°-50°	935.6	14.5
50°-60°	770.4	11.9
60°-70°	542.9	8.4
70°-80°	354.7	5.5
80°-90°	226.4	3.5
90°-100°	148.5	2.3
100°-110°	100.8	1.6
110°-120°	69.1	1.1
120°-130°	47.8	0.7
130°-140°	32.2	0.5
140°-150°	19.8	0.3
150°-160°	10.3	0.2
160°-170°	3.7	0.1
170°-180°	0.6	0.0
0°-30°	2202.7	34.0
0°-40°	3209.2	49.6
0°-60°	4915.2	75.9
0°-90°	6039.1	93.3
90°-120°	318.4	4.9
90°-150°	418.2	6.5
90°-180°	433.0	6.7
0°-180°	6472.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4060	4060	4060	4060	4060	
5°	4080	4026	3880	3806	3765	388
15°	3979	3555	2859	2500	2364	1124
25°	3718	2747	1821	1530	1465	1711
35°	3182	1859	1235	1157	1150	1979
45°	2286	1224	956	1007	1034	1755
55°	1313	804	739	821	848	1186
65°	617	485	509	573	594	626
75°	241	251	343	404	421	260
85°	41	115	231	298	312	51
90°	0	78	187	254	265	2
95°	0	58	156	214	224	0
105°	0	41	105	149	163	0
115°	3	34	75	108	115	3
125°	3	27	61	78	85	3
135°	3	24	48	61	64	3
145°	3	17	34	48	51	2
155°	3	14	24	34	37	2
165°	3	7	14	17	20	1
175°	7	7	7	7	3	0
180°	3	3	3	3	3	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4060.1	4060.1	4060.1	4060.1	4060.1
1°	4094.0	4077.0	4032.9	4063.5	4056.7
2°	4090.6	4073.6	4022.8	4036.3	4012.6
3°	4087.2	4063.5	3985.5	3982.1	3948.1
4°	4083.8	4046.5	3938.0	3897.3	3870.1
5°	4080.4	4026.2	3880.3	3805.7	3765.0
6°	4077.0	4002.4	3805.7	3693.8	3636.1
7°	4070.3	3965.1	3727.7	3575.0	3500.4
8°	4063.5	3931.2	3629.3	3446.1	3354.6
9°	4056.7	3887.1	3530.9	3307.1	3198.5
10°	4043.1	3843.0	3429.2	3164.6	3049.3
11°	4036.3	3792.1	3330.8	3028.9	2893.3
12°	4022.8	3737.9	3225.7	2886.5	2767.8
13°	4009.2	3680.2	3096.8	2764.4	2621.9
14°	3995.6	3619.1	2984.9	2628.7	2496.4
15°	3978.7	3554.7	2859.4	2499.8	2364.1
16°	3961.7	3480.1	2747.4	2367.5	2225.1
17°	3944.8	3408.8	2642.3	2245.4	2116.5
18°	3924.4	3337.6	2520.2	2126.7	2001.2
19°	3897.3	3256.2	2421.8	2018.2	1902.8
20°	3873.5	3181.6	2309.9	1916.4	1814.7
21°	3846.4	3090.0	2197.9	1821.4	1719.7
22.5°	3805.7	2961.1	2055.5	1702.7	1607.8
23°	3785.3	2923.8	1997.8	1658.6	1577.2
24°	3758.2	2825.4	1902.8	1590.8	1509.4
25°	3717.5	2747.4	1821.4	1529.7	1465.3
26°	3680.2	2652.4	1740.0	1475.5	1411.0
27°	3642.9	2560.9	1668.8	1417.8	1363.5
28°	3595.4	2465.9	1590.8	1370.3	1322.8
29°	3544.5	2377.7	1526.3	1329.6	1292.3
30°	3493.6	2279.3	1472.1	1292.3	1261.8
32.5°	3351.2	2062.3	1333.0	1221.1	1200.7
35°	3181.6	1858.7	1234.6	1156.6	1149.8
37.5°	2991.6	1672.2	1146.5	1105.8	1112.5
40°	2767.8	1502.6	1071.8	1068.4	1082.0
42.5°	2530.3	1356.8	1014.2	1037.9	1058.3
45°	2286.1	1224.5	956.5	1007.4	1034.5
47.5°	2031.7	1109.1	905.6	970.1	1000.6
50°	1774.0	997.2	851.4	926.0	956.5
52.5°	1543.3	898.8	797.1	875.1	909.0
55°	1312.7	803.9	739.4	820.8	848.0
57.5°	1112.5	715.7	678.4	759.8	780.1
60°	926.0	630.9	617.3	691.9	715.7
62.5°	756.4	556.3	559.7	630.9	654.6
65°	617.3	485.0	508.8	573.2	593.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	502.0	417.2	457.9	525.7	542.7
70°	396.8	356.1	417.2	478.3	495.2
72.5°	315.4	301.9	376.5	440.9	454.5
75°	240.8	251.0	342.6	403.6	420.6
77.5°	173.0	210.3	308.7	373.1	386.7
80°	122.1	173.0	281.5	346.0	359.5
82.5°	78.0	142.5	254.4	322.2	335.8
85°	40.7	115.3	230.6	298.5	312.1
87.5°	17.0	95.0	206.9	274.7	288.3
90°	0.0	78.0	186.6	254.4	264.6
92.5°	0.0	67.8	169.6	234.0	244.2
95°	0.0	57.7	156.0	213.7	223.9
97.5°	0.0	54.3	139.1	196.7	206.9
100°	0.0	47.5	125.5	179.8	193.3
102.5°	0.0	44.1	115.3	162.8	176.4
105°	0.0	40.7	105.1	149.2	162.8
107.5°	0.0	37.3	98.4	139.1	149.2
110°	0.0	37.3	88.2	128.9	139.1
112.5°	3.4	33.9	81.4	115.3	125.5
115°	3.4	33.9	74.6	108.5	115.3
117.5°	3.4	33.9	71.2	98.4	105.1
120°	3.4	30.5	67.8	91.6	98.4
122.5°	3.4	30.5	64.4	84.8	88.2
125°	3.4	27.1	61.1	78.0	84.8
127.5°	3.4	27.1	57.7	74.6	78.0
130°	3.4	27.1	54.3	67.8	74.6
132.5°	3.4	23.7	50.9	64.4	67.8
135°	3.4	23.7	47.5	61.1	64.4
137.5°	3.4	20.4	44.1	57.7	61.1
140°	3.4	20.4	40.7	54.3	57.7
142.5°	3.4	17.0	37.3	50.9	54.3
145°	3.4	17.0	33.9	47.5	50.9
147.5°	3.4	17.0	30.5	44.1	47.5
150°	3.4	13.6	27.1	40.7	44.1
152.5°	3.4	13.6	23.7	37.3	40.7
155°	3.4	13.6	23.7	33.9	37.3
157.5°	3.4	10.2	20.4	27.1	33.9
160°	3.4	10.2	17.0	23.7	30.5
162.5°	3.4	10.2	17.0	20.4	23.7
165°	3.4	6.8	13.6	17.0	20.4
167.5°	3.4	6.8	10.2	13.6	17.0
170°	3.4	6.8	10.2	10.2	13.6
172.5°	3.4	6.8	6.8	6.8	6.8
175°	6.8	6.8	6.8	6.8	3.4
177.5°	6.8	6.8	6.8	3.4	3.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	3.4	3.4	3.4	3.4	3.4

(END OF REPORT)