

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: P567981

Luminaire Tested: **8SNX-74SL-LC-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567981
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: 8SNX-74SL-LC-UNV-L850-CD
Description: 8FT 7400 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

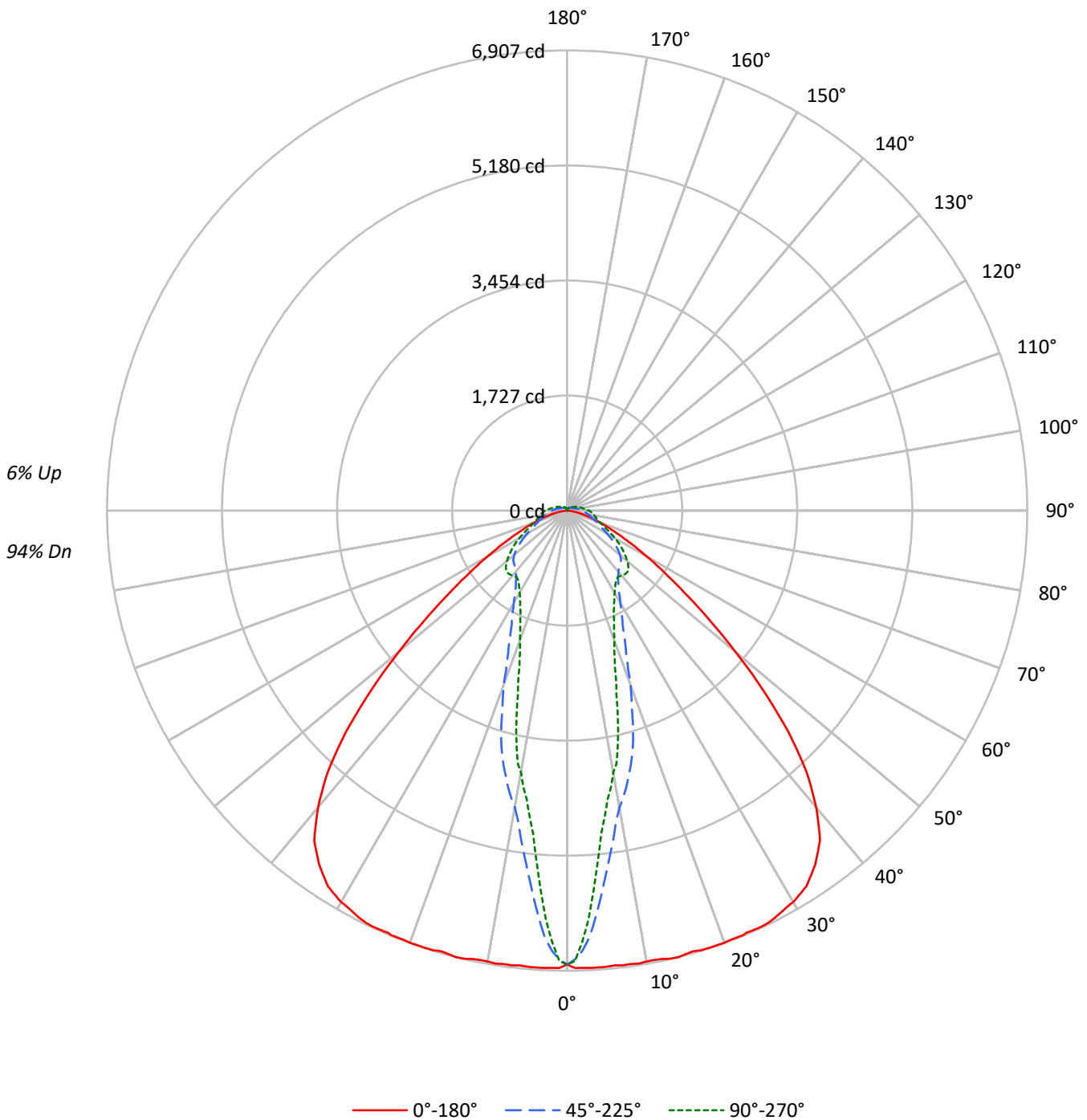
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8397.0 lumens
Efficiency: N/A
Efficacy: 174.9 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
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	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°	36662	36662	36662
5°	37060	30150	26954
10°	37420	22787	19507
15°	38174	18647	13508
20°	39235	13507	9540
25°	40544	9687	7505
30°	41672	7747	6392
35°	42023	6560	5725
40°	40173	5970	5739
45°	34972	5774	5896
50°	26931	5498	5501
55°	19605	4814	4882
60°	14306	4023	4127
65°	10492	3407	3383
70°	7814	3015	2917
75°	5645	2798	2719
80°	3817	2627	2678
85°	1930	2513	2682



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	535.7	6.4
10°-20°	1163.3	13.9
20°-30°	1331.6	15.9
30°-40°	1334.0	15.9
40°-50°	1262.8	15.0
50°-60°	968.5	11.5
60°-70°	624.2	7.4
70°-80°	398.1	4.7
80°-90°	264.3	3.1
90°-100°	177.7	2.1
100°-110°	117.1	1.4
110°-120°	81.4	1.0
120°-130°	56.8	0.7
130°-140°	39.4	0.5
140°-150°	24.1	0.3
150°-160°	12.2	0.1
160°-170°	4.7	0.1
170°-180°	0.9	0.0
0°-30°	3030.6	36.1
0°-40°	4364.6	52.0
0°-60°	6595.9	78.6
0°-90°	7882.5	93.9
90°-120°	376.2	4.5
90°-150°	496.6	5.9
90°-180°	514.0	6.1
0°-180°	8397.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6812	6812	6812	6812	6812	
5°	6872	6494	5818	5426	5280	656
15°	6890	4962	3783	3107	2857	1954
25°	6894	3512	2001	1738	1657	3178
35°	6489	1954	1338	1295	1278	4026
45°	4690	1235	1128	1248	1291	3566
55°	2152	882	869	977	1016	1979
65°	861	555	546	624	646	885
75°	293	301	379	435	456	322
85°	39	138	267	349	374	53
90°	0	95	224	310	323	2
95°	0	69	185	254	267	0
105°	0	52	120	172	185	3
115°	4	43	90	125	133	4
125°	4	39	78	90	95	4
135°	4	30	60	73	78	3
145°	4	22	43	56	60	3
155°	4	13	26	39	43	2
165°	9	9	17	22	26	2
175°	9	9	9	9	4	1
180°	9	9	9	9	9	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6812.1	6812.1	6812.1	6812.1	6812.1
1°	6868.0	6829.3	6738.9	6764.7	6760.4
2°	6868.0	6786.2	6609.8	6558.2	6480.7
3°	6872.3	6713.1	6411.9	6244.0	6136.4
4°	6872.3	6605.5	6119.2	5839.5	5701.8
5°	6872.3	6493.6	5818.0	5426.4	5280.1
6°	6863.7	6360.2	5512.5	5099.4	4879.9
7°	6876.6	6213.9	5237.1	4793.8	4621.7
8°	6872.3	6041.8	4983.2	4561.5	4372.1
9°	6885.2	5873.9	4707.8	4342.0	4200.0
10°	6872.3	5719.0	4527.0	4135.4	3989.1
11°	6872.3	5568.4	4397.9	4002.0	3877.2
12°	6880.9	5396.3	4255.9	3812.7	3640.6
13°	6902.4	5219.8	4092.4	3606.1	3403.9
14°	6906.7	5086.4	3941.8	3343.6	3132.8
15°	6889.5	4961.7	3782.6	3107.0	2857.4
16°	6880.9	4832.6	3593.2	2883.2	2659.4
17°	6898.1	4681.9	3378.1	2655.1	2448.6
18°	6902.4	4544.2	3150.0	2483.0	2302.2
19°	6902.4	4436.7	2964.9	2323.8	2168.8
20°	6902.4	4333.4	2775.6	2203.3	2069.9
21°	6893.8	4204.3	2560.4	2078.5	1966.6
22.5°	6898.1	3963.3	2315.2	1932.2	1841.8
23°	6885.2	3903.1	2254.9	1893.4	1798.8
24°	6889.5	3730.9	2125.8	1816.0	1725.6
25°	6893.8	3511.5	2001.0	1738.5	1656.8
26°	6885.2	3335.0	1897.7	1665.4	1609.4
27°	6863.7	3193.0	1824.6	1605.1	1553.5
28°	6833.6	3003.7	1747.1	1553.5	1506.1
29°	6803.4	2788.5	1669.7	1497.5	1463.1
30°	6786.2	2616.4	1596.5	1454.5	1424.4
32.5°	6683.0	2276.4	1445.9	1368.4	1342.6
35°	6489.3	1953.7	1338.3	1295.3	1278.1
37.5°	6235.4	1704.1	1256.6	1247.9	1252.2
40°	5818.0	1506.1	1196.3	1235.0	1273.8
42.5°	5318.8	1351.2	1153.3	1247.9	1291.0
45°	4690.5	1235.0	1127.5	1247.9	1291.0
47.5°	3993.4	1140.4	1097.3	1204.9	1247.9
50°	3296.3	1054.3	1037.1	1140.4	1179.1
52.5°	2680.9	972.5	959.6	1058.6	1097.3
55°	2151.6	882.2	869.3	976.8	1015.6
57.5°	1725.6	796.1	783.2	882.2	920.9
60°	1377.0	710.0	688.5	787.5	826.2
62.5°	1097.3	628.3	615.4	701.4	735.9
65°	860.7	555.1	546.5	624.0	645.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	679.9	486.3	490.6	555.1	580.9
70°	525.0	421.7	447.5	507.8	525.0
72.5°	395.9	357.2	413.1	464.8	486.3
75°	292.6	301.2	378.7	434.6	456.1
77.5°	202.3	249.6	348.6	408.8	430.3
80°	137.7	202.3	318.4	387.3	413.1
82.5°	81.8	167.8	292.6	365.8	395.9
85°	38.7	137.7	266.8	348.6	374.4
87.5°	12.9	111.9	241.0	331.4	352.9
90°	0.0	94.7	223.8	309.8	322.7
92.5°	0.0	81.8	202.3	284.0	292.6
95°	0.0	68.9	185.0	253.9	266.8
97.5°	0.0	64.5	172.1	228.1	245.3
100°	0.0	60.2	154.9	206.6	223.8
102.5°	0.0	51.6	137.7	185.0	202.3
105°	0.0	51.6	120.5	172.1	185.0
107.5°	4.3	47.3	111.9	154.9	172.1
110°	4.3	47.3	99.0	146.3	159.2
112.5°	4.3	47.3	94.7	133.4	150.6
115°	4.3	43.0	90.4	124.8	133.4
117.5°	4.3	43.0	86.1	111.9	120.5
120°	4.3	38.7	81.8	103.3	107.6
122.5°	4.3	38.7	77.5	94.7	99.0
125°	4.3	38.7	77.5	90.4	94.7
127.5°	4.3	34.4	73.2	86.1	86.1
130°	4.3	34.4	68.9	81.8	81.8
132.5°	4.3	30.1	64.5	77.5	81.8
135°	4.3	30.1	60.2	73.2	77.5
137.5°	4.3	25.8	55.9	68.9	73.2
140°	4.3	25.8	51.6	64.5	68.9
142.5°	4.3	21.5	47.3	60.2	64.5
145°	4.3	21.5	43.0	55.9	60.2
147.5°	4.3	21.5	38.7	51.6	55.9
150°	4.3	17.2	34.4	47.3	51.6
152.5°	4.3	17.2	30.1	43.0	47.3
155°	4.3	12.9	25.8	38.7	43.0
157.5°	4.3	12.9	25.8	34.4	38.7
160°	8.6	12.9	21.5	30.1	34.4
162.5°	4.3	8.6	21.5	25.8	30.1
165°	8.6	8.6	17.2	21.5	25.8
167.5°	8.6	8.6	12.9	17.2	21.5
170°	8.6	8.6	12.9	12.9	17.2
172.5°	8.6	8.6	8.6	12.9	8.6
175°	8.6	8.6	8.6	8.6	4.3
177.5°	8.6	8.6	8.6	8.6	4.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	8.6	8.6	8.6	8.6	8.6

(END OF REPORT)