

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: P567985

Luminaire Tested: **8SNX-74SL-LC-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567985
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-L950-CD
Description: 8FT 7400 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

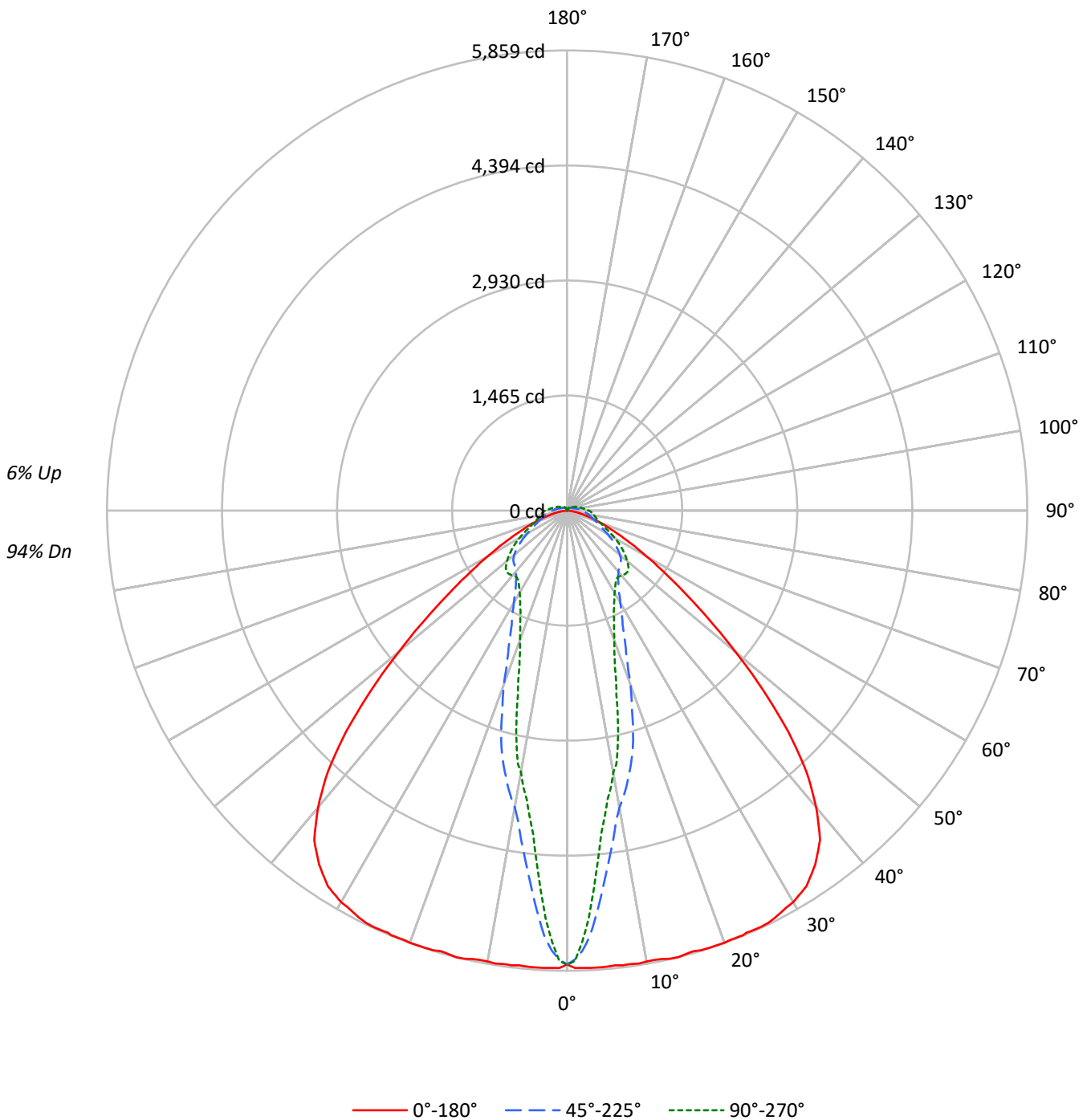
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7123.1 lumens
Efficiency: N/A
Efficacy: 148.4 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 (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: P567985
CATALOG NUMBER: 8SNX-74SL-LC-UNV-L950-CD

Luminous Intensity Polar Plot





TEST NUMBER: P567985

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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°	31100	31100	31100
5°	31437	25575	22864
10°	31742	19330	16548
15°	32382	15818	11458
20°	33282	11458	8092
25°	34393	8217	6367
30°	35349	6572	5422
35°	35647	5565	4856
40°	34078	5064	4868
45°	29666	4898	5001
50°	22845	4664	4667
55°	16631	4084	4141
60°	12135	3413	3501
65°	8900	2890	2870
70°	6628	2557	2475
75°	4789	2373	2307
80°	3238	2228	2272
85°	1641	2131	2275



TEST NUMBER: P567985

CATALOG NUMBER: 8SNX-74SL-LC-UNV-L950-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	454.4	6.4
10°-20°	986.8	13.9
20°-30°	1129.6	15.9
30°-40°	1131.6	15.9
40°-50°	1071.2	15.0
50°-60°	821.5	11.5
60°-70°	529.5	7.4
70°-80°	337.7	4.7
80°-90°	224.2	3.1
90°-100°	150.7	2.1
100°-110°	99.3	1.4
110°-120°	69.1	1.0
120°-130°	48.2	0.7
130°-140°	33.5	0.5
140°-150°	20.5	0.3
150°-160°	10.4	0.1
160°-170°	4.0	0.1
170°-180°	0.8	0.0
0°-30°	2570.8	36.1
0°-40°	3702.4	52.0
0°-60°	5595.1	78.5
0°-90°	6686.5	93.9
90°-120°	319.2	4.5
90°-150°	421.4	5.9
90°-180°	437.0	6.1
0°-180°	7123.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5778	5778	5778	5778	5778	
5°	5830	5508	4935	4603	4479	557
15°	5844	4209	3209	2636	2424	1658
25°	5848	2979	1697	1475	1405	2696
35°	5505	1657	1135	1099	1084	3415
45°	3979	1048	956	1059	1095	3025
55°	1825	748	737	829	862	1678
65°	730	471	464	529	548	751
75°	248	256	321	369	387	273
85°	33	117	226	296	318	45
90°	0	80	190	263	274	2
95°	0	58	157	215	226	0
105°	0	44	102	146	157	2
115°	4	36	77	106	113	4
125°	4	33	66	77	80	3
135°	4	26	51	62	66	3
145°	4	18	36	48	51	2
155°	4	11	22	33	36	2
165°	7	7	15	18	22	2
175°	7	7	7	7	4	1
180°	7	7	7	7	7	



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CATALOG NUMBER: 8SNX-74SL-LC-UNV-L950-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5778.5	5778.5	5778.5	5778.5	5778.5
1°	5826.0	5793.1	5716.5	5738.4	5734.7
2°	5826.0	5756.6	5607.0	5563.2	5497.4
3°	5829.6	5694.6	5439.0	5296.7	5205.4
4°	5829.6	5603.3	5190.8	4953.5	4836.7
5°	5829.6	5508.4	4935.3	4603.1	4479.0
6°	5822.3	5395.2	4676.1	4325.7	4139.5
7°	5833.3	5271.1	4442.5	4066.5	3920.5
8°	5829.6	5125.1	4227.1	3869.4	3708.8
9°	5840.6	4982.7	3993.5	3683.2	3562.8
10°	5829.6	4851.3	3840.2	3508.0	3383.9
11°	5829.6	4723.6	3730.7	3394.8	3289.0
12°	5836.9	4577.6	3610.2	3234.2	3088.2
13°	5855.2	4427.9	3471.5	3059.0	2887.4
14°	5858.8	4314.7	3343.7	2836.3	2657.5
15°	5844.2	4208.9	3208.7	2635.6	2423.8
16°	5836.9	4099.4	3048.1	2445.7	2255.9
17°	5851.5	3971.6	2865.5	2252.3	2077.1
18°	5855.2	3854.8	2672.1	2106.3	1952.9
19°	5855.2	3763.5	2515.1	1971.2	1839.8
20°	5855.2	3675.9	2354.5	1869.0	1755.8
21°	5847.9	3566.4	2172.0	1763.1	1668.2
22.5°	5851.5	3362.0	1963.9	1639.0	1562.4
23°	5840.6	3310.9	1912.8	1606.2	1525.9
24°	5844.2	3164.9	1803.3	1540.5	1463.8
25°	5847.9	2978.7	1697.4	1474.7	1405.4
26°	5840.6	2829.0	1609.8	1412.7	1365.2
27°	5822.3	2708.6	1547.8	1361.6	1317.8
28°	5796.8	2548.0	1482.0	1317.8	1277.6
29°	5771.2	2365.4	1416.3	1270.3	1241.1
30°	5756.6	2219.4	1354.3	1233.8	1208.3
32.5°	5669.0	1931.0	1226.5	1160.8	1138.9
35°	5504.7	1657.3	1135.3	1098.8	1084.2
37.5°	5289.4	1445.5	1065.9	1058.6	1062.3
40°	4935.3	1277.6	1014.8	1047.7	1080.5
42.5°	4511.8	1146.2	978.3	1058.6	1095.1
45°	3978.9	1047.7	956.4	1058.6	1095.1
47.5°	3387.5	967.3	930.8	1022.1	1058.6
50°	2796.2	894.3	879.7	967.3	1000.2
52.5°	2274.2	825.0	814.0	898.0	930.8
55°	1825.2	748.3	737.4	828.6	861.5
57.5°	1463.8	675.3	664.4	748.3	781.2
60°	1168.1	602.3	584.1	668.0	700.9
62.5°	930.8	533.0	522.0	595.0	624.2
65°	730.1	470.9	463.6	529.3	547.6



TEST NUMBER: P567985

CATALOG NUMBER: 8SNX-74SL-LC-UNV-L950-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	576.8	412.5	416.1	470.9	492.8
70°	445.3	357.7	379.6	430.7	445.3
72.5°	335.8	303.0	350.4	394.2	412.5
75°	248.2	255.5	321.2	368.7	386.9
77.5°	171.6	211.7	295.7	346.8	365.0
80°	116.8	171.6	270.1	328.5	350.4
82.5°	69.4	142.4	248.2	310.3	335.8
85°	32.9	116.8	226.3	295.7	317.6
87.5°	11.0	94.9	204.4	281.1	299.3
90°	0.0	80.3	189.8	262.8	273.8
92.5°	0.0	69.4	171.6	240.9	248.2
95°	0.0	58.4	157.0	215.4	226.3
97.5°	0.0	54.8	146.0	193.5	208.1
100°	0.0	51.1	131.4	175.2	189.8
102.5°	0.0	43.8	116.8	157.0	171.6
105°	0.0	43.8	102.2	146.0	157.0
107.5°	3.7	40.2	94.9	131.4	146.0
110°	3.7	40.2	84.0	124.1	135.1
112.5°	3.7	40.2	80.3	113.2	127.8
115°	3.7	36.5	76.7	105.9	113.2
117.5°	3.7	36.5	73.0	94.9	102.2
120°	3.7	32.9	69.4	87.6	91.3
122.5°	3.7	32.9	65.7	80.3	84.0
125°	3.7	32.9	65.7	76.7	80.3
127.5°	3.7	29.2	62.1	73.0	73.0
130°	3.7	29.2	58.4	69.4	69.4
132.5°	3.7	25.6	54.8	65.7	69.4
135°	3.7	25.6	51.1	62.1	65.7
137.5°	3.7	21.9	47.5	58.4	62.1
140°	3.7	21.9	43.8	54.8	58.4
142.5°	3.7	18.3	40.2	51.1	54.8
145°	3.7	18.3	36.5	47.5	51.1
147.5°	3.7	18.3	32.9	43.8	47.5
150°	3.7	14.6	29.2	40.2	43.8
152.5°	3.7	14.6	25.6	36.5	40.2
155°	3.7	11.0	21.9	32.9	36.5
157.5°	3.7	11.0	21.9	29.2	32.9
160°	7.3	11.0	18.3	25.6	29.2
162.5°	3.7	7.3	18.3	21.9	25.6
165°	7.3	7.3	14.6	18.3	21.9
167.5°	7.3	7.3	11.0	14.6	18.3
170°	7.3	7.3	11.0	11.0	14.6
172.5°	7.3	7.3	7.3	11.0	7.3
175°	7.3	7.3	7.3	7.3	3.7
177.5°	7.3	7.3	7.3	7.3	3.7



TEST NUMBER: P567985

CATALOG NUMBER: 8SNX-74SL-LC-UNV-L950-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	7.3	7.3	7.3	7.3	7.3

(END OF REPORT)