

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: P567993

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

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567993  
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-L950-CD  
Description: 8FT 7400 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LN LENS  
Light Source: -  
Ballast/Driver: -

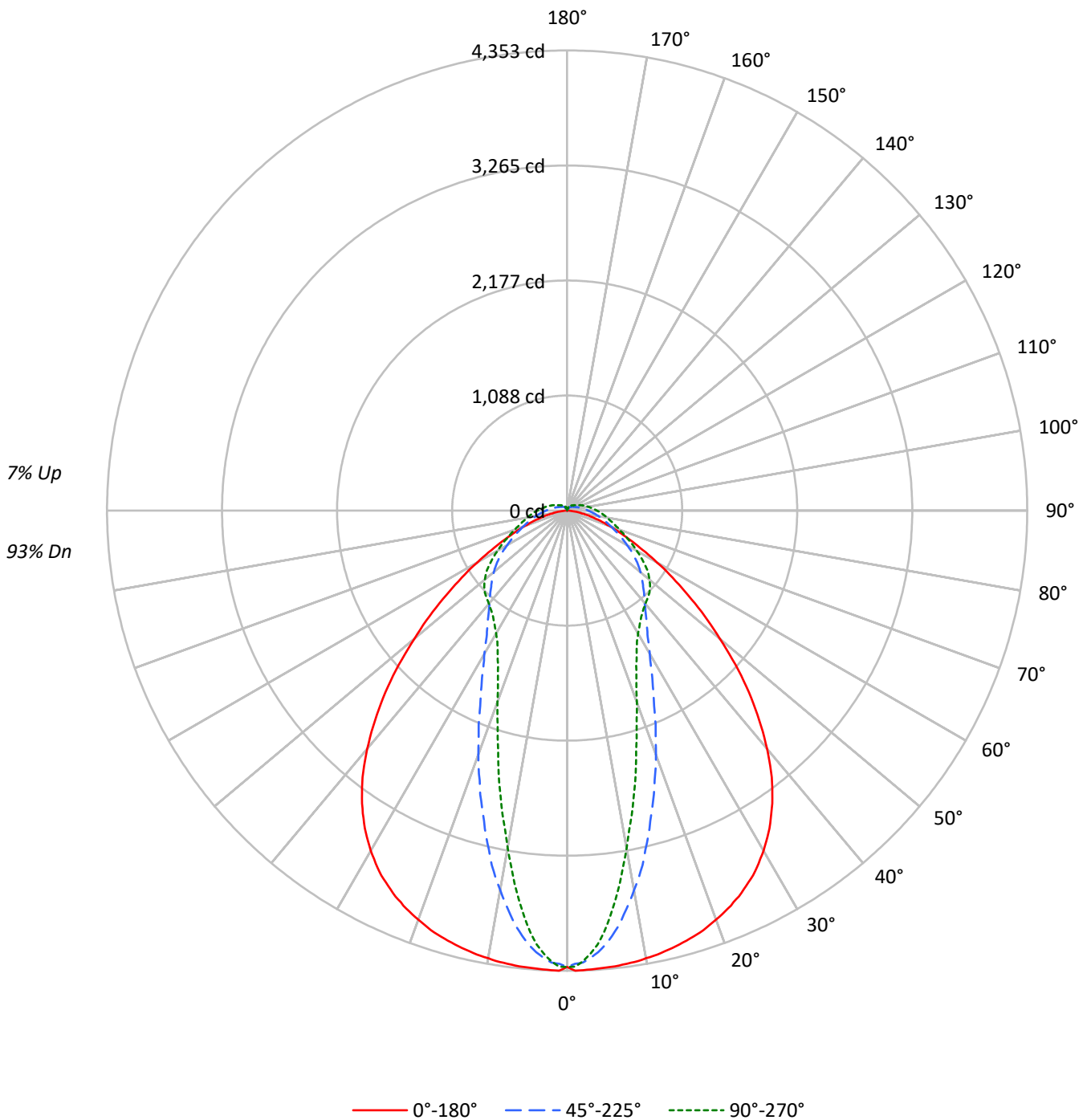
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6882.0 lumens  
Efficiency: N/A  
Efficacy: 143.4 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°	23236	23236	23236
5°	23398	21382	20437
10°	23410	18354	15856
15°	23442	14989	11884
20°	23413	11953	8893
25°	23248	9376	7058
30°	22813	7596	6021
35°	21908	6435	5477
40°	20322	5687	5184
45°	18125	5209	5024
50°	15411	4799	4746
55°	12719	4355	4334
60°	10229	3836	3802
65°	8002	3373	3308
70°	6281	2989	2926
75°	4941	2692	2666
80°	3598	2470	2478
85°	2160	2310	2377



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	382.3	5.6
10°-20°	896.2	13.0
20°-30°	1063.8	15.5
30°-40°	1070.3	15.6
40°-50°	994.9	14.5
50°-60°	819.2	11.9
60°-70°	577.2	8.4
70°-80°	377.1	5.5
80°-90°	240.8	3.5
90°-100°	157.9	2.3
100°-110°	107.2	1.6
110°-120°	73.5	1.1
120°-130°	50.8	0.7
130°-140°	34.2	0.5
140°-150°	21.1	0.3
150°-160°	10.9	0.2
160°-170°	3.9	0.1
170°-180°	0.7	0.0
0°-30°	2342.3	34.0
0°-40°	3412.5	49.6
0°-60°	5226.6	75.9
0°-90°	6421.7	93.3
90°-120°	338.6	4.9
90°-150°	444.7	6.5
90°-180°	460.0	6.7
0°-180°	6882.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4317	4317	4317	4317	4317	
5°	4339	4281	4126	4047	4004	413
15°	4231	3780	3040	2658	2514	1195
25°	3953	2922	1937	1627	1558	1819
35°	3383	1976	1313	1230	1223	2104
45°	2431	1302	1017	1071	1100	1866
55°	1396	855	786	873	902	1261
65°	656	516	541	610	631	666
75°	256	267	364	429	447	277
85°	43	123	245	317	332	54
90°	0	83	198	270	281	2
95°	0	61	166	227	238	0
105°	0	43	112	159	173	0
115°	4	36	79	115	123	3
125°	4	29	65	83	90	3
135°	4	25	50	65	68	3
145°	4	18	36	50	54	2
155°	4	14	25	36	40	2
165°	4	7	14	18	22	1
175°	7	7	7	7	4	0
180°	4	4	4	4	4	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4317.3	4317.3	4317.3	4317.3	4317.3
1°	4353.4	4335.3	4288.4	4320.9	4313.7
2°	4349.7	4331.7	4277.6	4292.0	4266.8
3°	4346.1	4320.9	4237.9	4234.3	4198.3
4°	4342.5	4302.9	4187.4	4144.2	4115.3
5°	4338.9	4281.2	4126.1	4046.8	4003.5
6°	4335.3	4256.0	4046.8	3927.8	3866.4
7°	4328.1	4216.3	3963.8	3801.5	3722.2
8°	4320.9	4180.2	3859.2	3664.5	3567.1
9°	4313.7	4133.3	3754.6	3516.6	3401.2
10°	4299.3	4086.5	3646.4	3365.1	3242.5
11°	4292.0	4032.4	3541.8	3220.8	3076.6
12°	4277.6	3974.6	3430.0	3069.3	2943.1
13°	4263.2	3913.3	3293.0	2939.5	2788.0
14°	4248.8	3848.4	3173.9	2795.2	2654.6
15°	4230.7	3779.9	3040.5	2658.2	2513.9
16°	4212.7	3700.5	2921.5	2517.5	2366.0
17°	4194.7	3624.8	2809.7	2387.7	2250.6
18°	4173.0	3549.0	2679.8	2261.4	2128.0
19°	4144.2	3462.5	2575.2	2146.0	2023.4
20°	4118.9	3383.1	2456.2	2037.8	1929.6
21°	4090.1	3285.8	2337.2	1936.8	1828.6
22.5°	4046.8	3148.7	2185.7	1810.6	1709.6
23°	4025.1	3109.0	2124.4	1763.7	1677.1
24°	3996.3	3004.4	2023.4	1691.6	1605.0
25°	3953.0	2921.5	1936.8	1626.6	1558.1
26°	3913.3	2820.5	1850.3	1568.9	1500.4
27°	3873.7	2723.1	1774.5	1507.6	1449.9
28°	3823.2	2622.1	1691.6	1457.1	1406.6
29°	3769.1	2528.3	1623.0	1413.8	1374.2
30°	3715.0	2423.7	1565.3	1374.2	1341.7
32.5°	3563.5	2192.9	1417.5	1298.4	1276.8
35°	3383.1	1976.5	1312.9	1229.9	1222.7
37.5°	3181.2	1778.1	1219.1	1175.8	1183.0
40°	2943.1	1597.8	1139.7	1136.1	1150.6
42.5°	2690.6	1442.7	1078.4	1103.7	1125.3
45°	2431.0	1302.0	1017.1	1071.2	1100.1
47.5°	2160.4	1179.4	963.0	1031.5	1064.0
50°	1886.3	1060.4	905.3	984.6	1017.1
52.5°	1641.1	955.8	847.6	930.5	966.6
55°	1395.8	854.8	786.3	872.8	901.7
57.5°	1183.0	761.0	721.4	807.9	829.6
60°	984.6	670.9	656.4	735.8	761.0
62.5°	804.3	591.5	595.1	670.9	696.1
65°	656.4	515.8	541.0	609.5	631.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	533.8	443.6	486.9	559.0	577.1
70°	422.0	378.7	443.6	508.6	526.6
72.5°	335.4	321.0	400.3	468.9	483.3
75°	256.1	266.9	364.3	429.2	447.2
77.5°	183.9	223.6	328.2	396.7	411.2
80°	129.8	183.9	299.4	367.9	382.3
82.5°	83.0	151.5	270.5	342.6	357.1
85°	43.3	122.6	245.3	317.4	331.8
87.5°	18.0	101.0	220.0	292.1	306.6
90°	0.0	83.0	198.4	270.5	281.3
92.5°	0.0	72.1	180.3	248.9	259.7
95°	0.0	61.3	165.9	227.2	238.0
97.5°	0.0	57.7	147.9	209.2	220.0
100°	0.0	50.5	133.4	191.2	205.6
102.5°	0.0	46.9	122.6	173.1	187.6
105°	0.0	43.3	111.8	158.7	173.1
107.5°	0.0	39.7	104.6	147.9	158.7
110°	0.0	39.7	93.8	137.1	147.9
112.5°	3.6	36.1	86.6	122.6	133.4
115°	3.6	36.1	79.3	115.4	122.6
117.5°	3.6	36.1	75.7	104.6	111.8
120°	3.6	32.5	72.1	97.4	104.6
122.5°	3.6	32.5	68.5	90.2	93.8
125°	3.6	28.9	64.9	83.0	90.2
127.5°	3.6	28.9	61.3	79.3	83.0
130°	3.6	28.9	57.7	72.1	79.3
132.5°	3.6	25.2	54.1	68.5	72.1
135°	3.6	25.2	50.5	64.9	68.5
137.5°	3.6	21.6	46.9	61.3	64.9
140°	3.6	21.6	43.3	57.7	61.3
142.5°	3.6	18.0	39.7	54.1	57.7
145°	3.6	18.0	36.1	50.5	54.1
147.5°	3.6	18.0	32.5	46.9	50.5
150°	3.6	14.4	28.9	43.3	46.9
152.5°	3.6	14.4	25.2	39.7	43.3
155°	3.6	14.4	25.2	36.1	39.7
157.5°	3.6	10.8	21.6	28.9	36.1
160°	3.6	10.8	18.0	25.2	32.5
162.5°	3.6	10.8	18.0	21.6	25.2
165°	3.6	7.2	14.4	18.0	21.6
167.5°	3.6	7.2	10.8	14.4	18.0
170°	3.6	7.2	10.8	10.8	14.4
172.5°	3.6	7.2	7.2	7.2	7.2
175°	7.2	7.2	7.2	7.2	3.6
177.5°	7.2	7.2	7.2	3.6	3.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	3.6	3.6	3.6	3.6	3.6

(END OF REPORT)