

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: P567991

Luminaire Tested: **8SNX-74SL-LN-UNV-L935-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567991  
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-L935-CD  
Description: 8FT 7400 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LN LENS  
Light Source: -  
Ballast/Driver: -

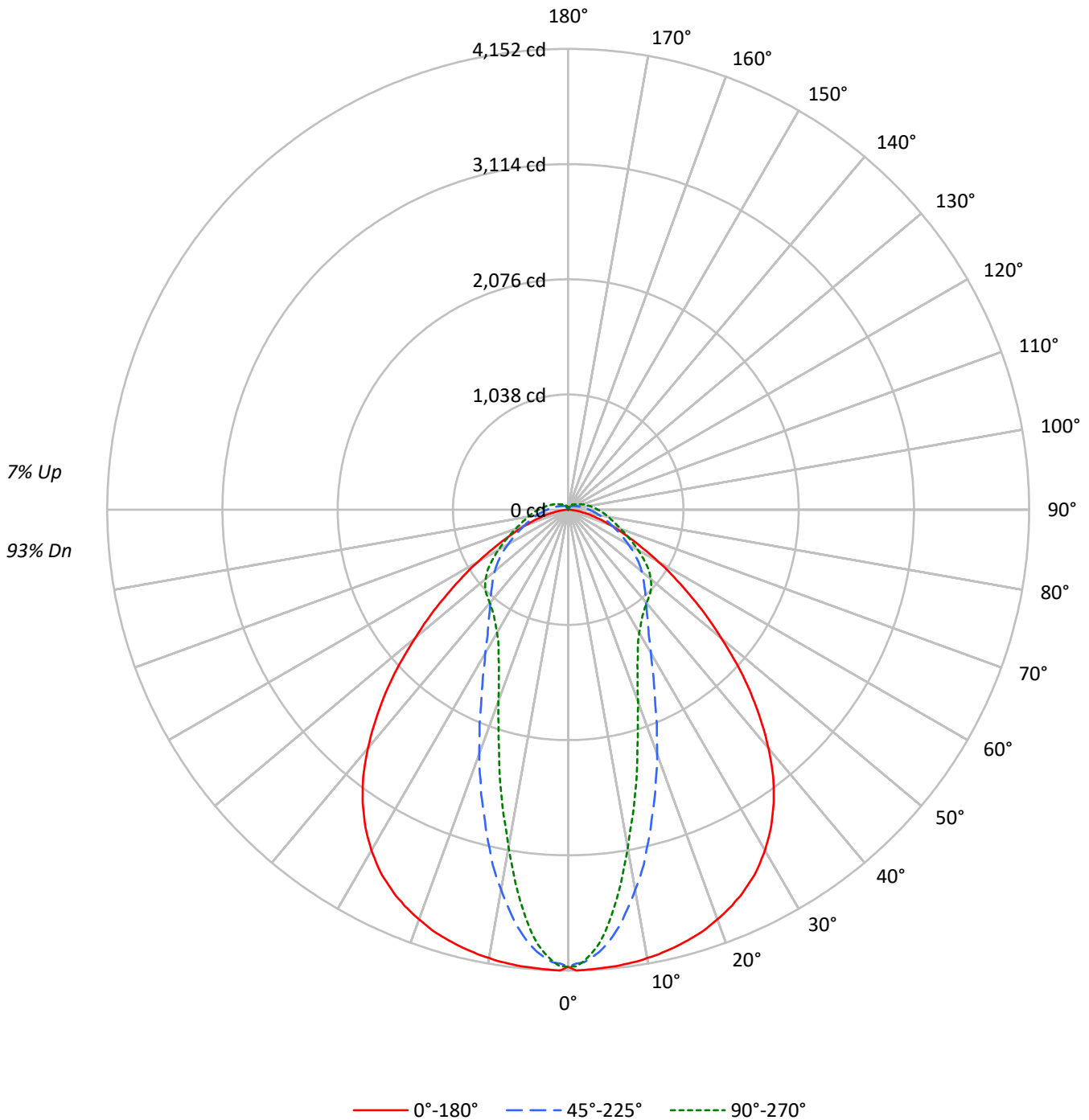
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6564.0 lumens  
Efficiency: N/A  
Efficacy: 136.7 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 (A<sub>in</sub>): 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	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	68	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°	22162	22162	22162
5°	22317	20394	19493
10°	22328	17506	15123
15°	22359	14296	11335
20°	22331	11400	8483
25°	22174	8943	6732
30°	21758	7245	5742
35°	20896	6138	5224
40°	19383	5425	4944
45°	17287	4968	4791
50°	14699	4578	4526
55°	12131	4153	4134
60°	9756	3659	3626
65°	7632	3217	3155
70°	5991	2850	2791
75°	4712	2567	2543
80°	3432	2355	2364
85°	2060	2203	2267



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	364.7	5.6
10°-20°	854.8	13.0
20°-30°	1014.6	15.5
30°-40°	1020.8	15.6
40°-50°	948.9	14.5
50°-60°	781.3	11.9
60°-70°	550.6	8.4
70°-80°	359.7	5.5
80°-90°	229.6	3.5
90°-100°	150.6	2.3
100°-110°	102.2	1.6
110°-120°	70.1	1.1
120°-130°	48.5	0.7
130°-140°	32.6	0.5
140°-150°	20.1	0.3
150°-160°	10.4	0.2
160°-170°	3.8	0.1
170°-180°	0.7	0.0
0°-30°	2234.0	34.0
0°-40°	3254.9	49.6
0°-60°	4985.1	75.9
0°-90°	6125.0	93.3
90°-120°	322.9	4.9
90°-150°	424.1	6.5
90°-180°	439.0	6.7
0°-180°	6564.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4118	4118	4118	4118	4118	
5°	4138	4083	3936	3860	3818	394
15°	4035	3605	2900	2535	2398	1140
25°	3770	2786	1847	1552	1486	1735
35°	3227	1885	1252	1173	1166	2007
45°	2319	1242	970	1022	1049	1780
55°	1331	815	750	832	860	1202
65°	626	492	516	581	602	635
75°	244	255	347	409	427	264
85°	41	117	234	303	316	52
90°	0	79	189	258	268	2
95°	0	58	158	217	227	0
105°	0	41	107	151	165	0
115°	3	34	76	110	117	3
125°	3	28	62	79	86	3
135°	3	24	48	62	65	3
145°	3	17	34	48	52	2
155°	3	14	24	34	38	2
165°	3	7	14	17	21	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°	4117.8	4117.8	4117.8	4117.8	4117.8
1°	4152.2	4135.0	4090.3	4121.2	4114.4
2°	4148.8	4131.6	4080.0	4093.7	4069.6
3°	4145.3	4121.2	4042.1	4038.7	4004.3
4°	4141.9	4104.0	3994.0	3952.7	3925.1
5°	4138.4	4083.4	3935.5	3859.8	3818.5
6°	4135.0	4059.3	3859.8	3746.3	3687.8
7°	4128.1	4021.5	3780.7	3625.9	3550.2
8°	4121.2	3987.1	3680.9	3495.1	3402.3
9°	4114.4	3942.3	3581.1	3354.1	3244.0
10°	4100.6	3897.6	3477.9	3209.6	3092.6
11°	4093.7	3846.0	3378.2	3072.0	2934.4
12°	4080.0	3791.0	3271.5	2927.5	2807.1
13°	4066.2	3732.5	3140.8	2803.7	2659.2
14°	4052.4	3670.6	3027.3	2666.1	2531.9
15°	4035.2	3605.2	2900.0	2535.4	2397.7
16°	4018.0	3529.5	2786.5	2401.2	2256.7
17°	4000.8	3457.3	2679.8	2277.3	2146.6
18°	3980.2	3385.1	2556.0	2156.9	2029.7
19°	3952.7	3302.5	2456.2	2046.9	1929.9
20°	3928.6	3226.8	2342.7	1943.7	1840.5
21°	3901.1	3133.9	2229.2	1847.3	1744.1
22.5°	3859.8	3003.2	2084.7	1726.9	1630.6
23°	3839.1	2965.4	2026.2	1682.2	1599.6
24°	3811.6	2865.6	1929.9	1613.4	1530.8
25°	3770.3	2786.5	1847.3	1551.5	1486.1
26°	3732.5	2690.2	1764.8	1496.4	1431.1
27°	3694.7	2597.3	1692.5	1438.0	1382.9
28°	3646.5	2500.9	1613.4	1389.8	1341.6
29°	3594.9	2411.5	1548.0	1348.5	1310.7
30°	3543.3	2311.7	1493.0	1310.7	1279.7
32.5°	3398.8	2091.6	1352.0	1238.4	1217.8
35°	3226.8	1885.2	1252.2	1173.1	1166.2
37.5°	3034.2	1696.0	1162.8	1121.5	1128.4
40°	2807.1	1524.0	1087.1	1083.6	1097.4
42.5°	2566.3	1376.0	1028.6	1052.7	1073.3
45°	2318.6	1241.9	970.1	1021.7	1049.2
47.5°	2060.6	1124.9	918.5	983.9	1014.8
50°	1799.2	1011.4	863.5	939.1	970.1
52.5°	1565.2	911.6	808.4	887.5	921.9
55°	1331.3	815.3	749.9	832.5	860.0
57.5°	1128.4	725.9	688.0	770.6	791.2
60°	939.1	639.9	626.1	701.8	725.9
62.5°	767.1	564.2	567.6	639.9	663.9
65°	626.1	491.9	516.0	581.4	602.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	509.1	423.1	464.4	533.2	550.4
70°	402.5	361.2	423.1	485.1	502.3
72.5°	319.9	306.2	381.9	447.2	461.0
75°	244.2	254.6	347.4	409.4	426.6
77.5°	175.4	213.3	313.0	378.4	392.2
80°	123.8	175.4	285.5	350.9	364.7
82.5°	79.1	144.5	258.0	326.8	340.6
85°	41.3	117.0	233.9	302.7	316.5
87.5°	17.2	96.3	209.8	278.6	292.4
90°	0.0	79.1	189.2	258.0	268.3
92.5°	0.0	68.8	172.0	237.4	247.7
95°	0.0	58.5	158.2	216.7	227.0
97.5°	0.0	55.0	141.0	199.5	209.8
100°	0.0	48.2	127.3	182.3	196.1
102.5°	0.0	44.7	117.0	165.1	178.9
105°	0.0	41.3	106.6	151.4	165.1
107.5°	0.0	37.8	99.8	141.0	151.4
110°	0.0	37.8	89.4	130.7	141.0
112.5°	3.4	34.4	82.6	117.0	127.3
115°	3.4	34.4	75.7	110.1	117.0
117.5°	3.4	34.4	72.2	99.8	106.6
120°	3.4	31.0	68.8	92.9	99.8
122.5°	3.4	31.0	65.4	86.0	89.4
125°	3.4	27.5	61.9	79.1	86.0
127.5°	3.4	27.5	58.5	75.7	79.1
130°	3.4	27.5	55.0	68.8	75.7
132.5°	3.4	24.1	51.6	65.4	68.8
135°	3.4	24.1	48.2	61.9	65.4
137.5°	3.4	20.6	44.7	58.5	61.9
140°	3.4	20.6	41.3	55.0	58.5
142.5°	3.4	17.2	37.8	51.6	55.0
145°	3.4	17.2	34.4	48.2	51.6
147.5°	3.4	17.2	31.0	44.7	48.2
150°	3.4	13.8	27.5	41.3	44.7
152.5°	3.4	13.8	24.1	37.8	41.3
155°	3.4	13.8	24.1	34.4	37.8
157.5°	3.4	10.3	20.6	27.5	34.4
160°	3.4	10.3	17.2	24.1	31.0
162.5°	3.4	10.3	17.2	20.6	24.1
165°	3.4	6.9	13.8	17.2	20.6
167.5°	3.4	6.9	10.3	13.8	17.2
170°	3.4	6.9	10.3	10.3	13.8
172.5°	3.4	6.9	6.9	6.9	6.9
175°	6.9	6.9	6.9	6.9	3.4
177.5°	6.9	6.9	6.9	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)