

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: P567984

Luminaire Tested: **8SNX-74SL-LC-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567984
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-L940-CD
Description: 8FT 7400 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

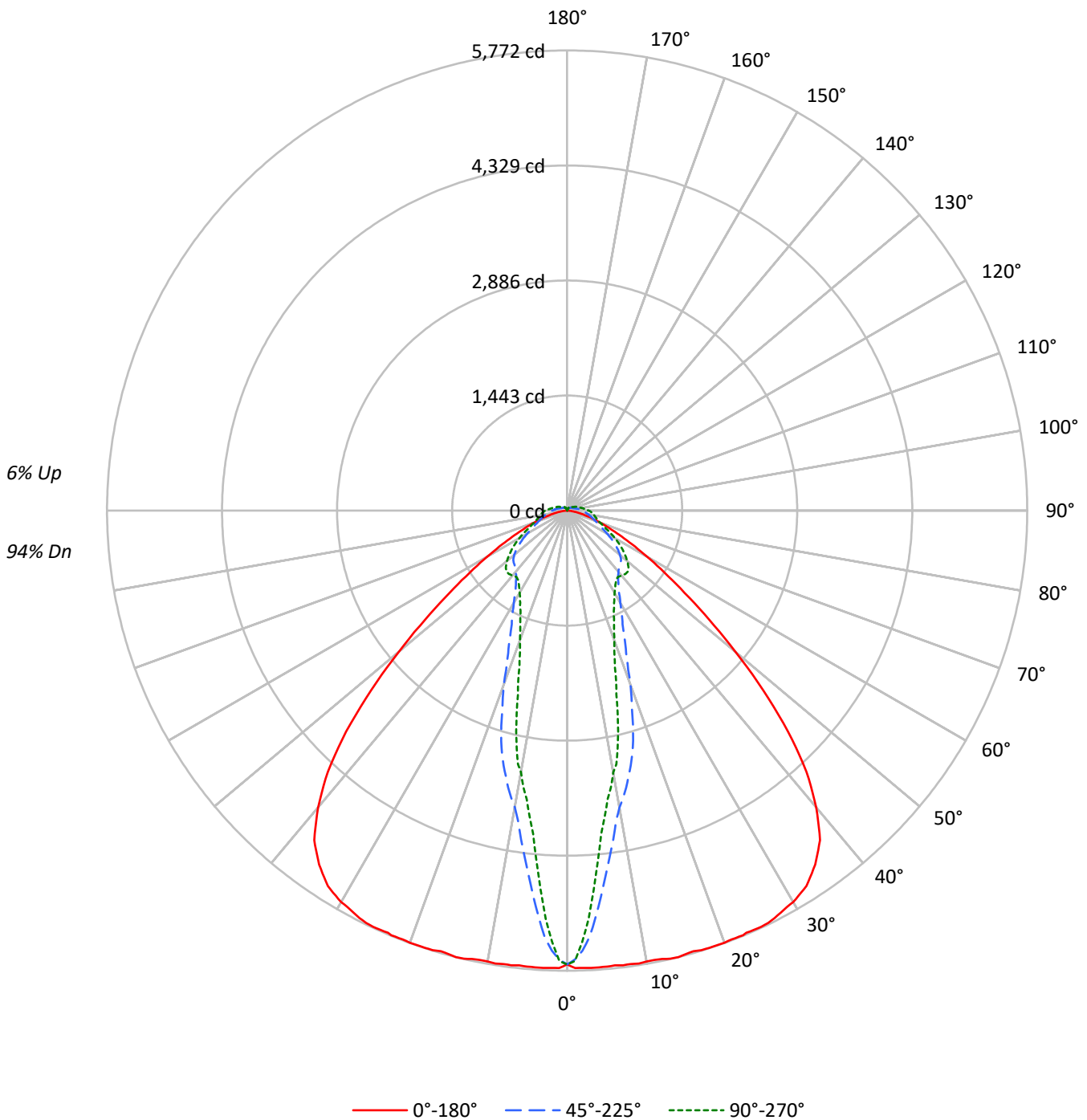
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7017.0 lumens
Efficiency: N/A
Efficacy: 146.2 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°	30637	30637	30637
5°	30970	25194	22524
10°	31270	19042	16301
15°	31901	15582	11288
20°	32787	11287	7972
25°	33881	8095	6272
30°	34824	6474	5341
35°	35116	5482	4784
40°	33570	4989	4795
45°	29225	4825	4927
50°	22505	4594	4597
55°	16383	4023	4079
60°	11955	3362	3449
65°	8767	2847	2827
70°	6530	2520	2438
75°	4717	2339	2273
80°	3190	2195	2238
85°	1616	2100	2241



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	447.7	6.4
10°-20°	972.1	13.9
20°-30°	1112.8	15.9
30°-40°	1114.7	15.9
40°-50°	1055.3	15.0
50°-60°	809.3	11.5
60°-70°	521.6	7.4
70°-80°	332.7	4.7
80°-90°	220.9	3.1
90°-100°	148.5	2.1
100°-110°	97.9	1.4
110°-120°	68.1	1.0
120°-130°	47.5	0.7
130°-140°	33.0	0.5
140°-150°	20.2	0.3
150°-160°	10.2	0.1
160°-170°	3.9	0.1
170°-180°	0.8	0.0
0°-30°	2532.6	36.1
0°-40°	3647.3	52.0
0°-60°	5511.9	78.5
0°-90°	6587.1	93.9
90°-120°	314.4	4.5
90°-150°	415.0	5.9
90°-180°	430.0	6.1
0°-180°	7017.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5692	5692	5692	5692	5692	
5°	5743	5426	4862	4535	4412	548
15°	5757	4146	3161	2596	2388	1633
25°	5761	2934	1672	1453	1384	2656
35°	5423	1633	1118	1082	1068	3365
45°	3920	1032	942	1043	1079	2980
55°	1798	737	726	816	849	1653
65°	719	464	457	521	539	740
75°	244	252	316	363	381	269
85°	32	115	223	291	313	44
90°	0	79	187	259	270	1
95°	0	58	155	212	223	0
105°	0	43	101	144	155	2
115°	4	36	76	104	112	4
125°	4	32	65	76	79	3
135°	4	25	50	61	65	3
145°	4	18	36	47	50	2
155°	4	11	22	32	36	2
165°	7	7	14	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-L940-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5692.5	5692.5	5692.5	5692.5	5692.5
1°	5739.3	5706.9	5631.4	5653.0	5649.4
2°	5739.3	5671.0	5523.5	5480.4	5415.6
3°	5742.9	5609.8	5358.1	5217.9	5128.0
4°	5742.9	5519.9	5113.6	4879.8	4764.8
5°	5742.9	5426.4	4861.8	4534.6	4412.3
6°	5735.7	5314.9	4606.5	4261.3	4077.9
7°	5746.5	5192.7	4376.4	4006.0	3862.1
8°	5742.9	5048.8	4164.2	3811.8	3653.6
9°	5753.7	4908.6	3934.1	3628.4	3509.7
10°	5742.9	4779.1	3783.0	3455.8	3333.5
11°	5742.9	4653.3	3675.2	3344.3	3240.0
12°	5750.1	4509.4	3556.5	3186.1	3042.2
13°	5768.0	4362.0	3419.8	3013.5	2844.5
14°	5771.6	4250.5	3294.0	2794.1	2617.9
15°	5757.3	4146.2	3160.9	2596.3	2387.8
16°	5750.1	4038.4	3002.7	2409.3	2222.4
17°	5764.5	3912.5	2822.9	2218.8	2046.1
18°	5768.0	3797.4	2632.3	2074.9	1923.9
19°	5768.0	3707.5	2477.7	1941.9	1812.4
20°	5768.0	3621.2	2319.4	1841.2	1729.7
21°	5760.9	3513.3	2139.6	1736.9	1643.4
22.5°	5764.5	3312.0	1934.7	1614.6	1539.1
23°	5753.7	3261.6	1884.3	1582.3	1503.1
24°	5757.3	3117.8	1776.4	1517.5	1442.0
25°	5760.9	2934.4	1672.2	1452.8	1384.5
26°	5753.7	2786.9	1585.9	1391.7	1344.9
27°	5735.7	2668.3	1524.7	1341.3	1298.2
28°	5710.5	2510.0	1460.0	1298.2	1258.6
29°	5685.3	2330.2	1395.3	1251.4	1222.7
30°	5671.0	2186.4	1334.1	1215.5	1190.3
32.5°	5584.6	1902.3	1208.3	1143.5	1122.0
35°	5422.8	1632.6	1118.4	1082.4	1068.0
37.5°	5210.7	1424.0	1050.0	1042.9	1046.4
40°	4861.8	1258.6	999.7	1032.1	1064.4
42.5°	4444.7	1129.2	963.7	1042.9	1078.8
45°	3919.7	1032.1	942.2	1042.9	1078.8
47.5°	3337.1	953.0	917.0	1006.9	1042.9
50°	2754.6	881.0	866.6	953.0	985.3
52.5°	2240.3	812.7	801.9	884.6	917.0
55°	1798.0	737.2	726.4	816.3	848.7
57.5°	1442.0	665.3	654.5	737.2	769.6
60°	1150.7	593.3	575.4	658.1	690.4
62.5°	917.0	525.0	514.2	586.2	614.9
65°	719.2	463.9	456.7	521.4	539.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	568.2	406.4	409.9	463.9	485.5
70°	438.7	352.4	374.0	424.3	438.7
72.5°	330.8	298.5	345.2	388.4	406.4
75°	244.5	251.7	316.5	363.2	381.2
77.5°	169.0	208.6	291.3	341.6	359.6
80°	115.1	169.0	266.1	323.6	345.2
82.5°	68.3	140.2	244.5	305.7	330.8
85°	32.4	115.1	223.0	291.3	312.9
87.5°	10.8	93.5	201.4	276.9	294.9
90°	0.0	79.1	187.0	258.9	269.7
92.5°	0.0	68.3	169.0	237.3	244.5
95°	0.0	57.5	154.6	212.2	223.0
97.5°	0.0	53.9	143.8	190.6	205.0
100°	0.0	50.3	129.5	172.6	187.0
102.5°	0.0	43.2	115.1	154.6	169.0
105°	0.0	43.2	100.7	143.8	154.6
107.5°	3.6	39.6	93.5	129.5	143.8
110°	3.6	39.6	82.7	122.3	133.1
112.5°	3.6	39.6	79.1	111.5	125.9
115°	3.6	36.0	75.5	104.3	111.5
117.5°	3.6	36.0	71.9	93.5	100.7
120°	3.6	32.4	68.3	86.3	89.9
122.5°	3.6	32.4	64.7	79.1	82.7
125°	3.6	32.4	64.7	75.5	79.1
127.5°	3.6	28.8	61.1	71.9	71.9
130°	3.6	28.8	57.5	68.3	68.3
132.5°	3.6	25.2	53.9	64.7	68.3
135°	3.6	25.2	50.3	61.1	64.7
137.5°	3.6	21.6	46.7	57.5	61.1
140°	3.6	21.6	43.2	53.9	57.5
142.5°	3.6	18.0	39.6	50.3	53.9
145°	3.6	18.0	36.0	46.7	50.3
147.5°	3.6	18.0	32.4	43.2	46.7
150°	3.6	14.4	28.8	39.6	43.2
152.5°	3.6	14.4	25.2	36.0	39.6
155°	3.6	10.8	21.6	32.4	36.0
157.5°	3.6	10.8	21.6	28.8	32.4
160°	7.2	10.8	18.0	25.2	28.8
162.5°	3.6	7.2	18.0	21.6	25.2
165°	7.2	7.2	14.4	18.0	21.6
167.5°	7.2	7.2	10.8	14.4	18.0
170°	7.2	7.2	10.8	10.8	14.4
172.5°	7.2	7.2	7.2	10.8	7.2
175°	7.2	7.2	7.2	7.2	3.6
177.5°	7.2	7.2	7.2	7.2	3.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	7.2	7.2	7.2	7.2	7.2

(END OF REPORT)