

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: P568016

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568016
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-74SL-UNV-L940-CD
Description: 8FT 7400 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

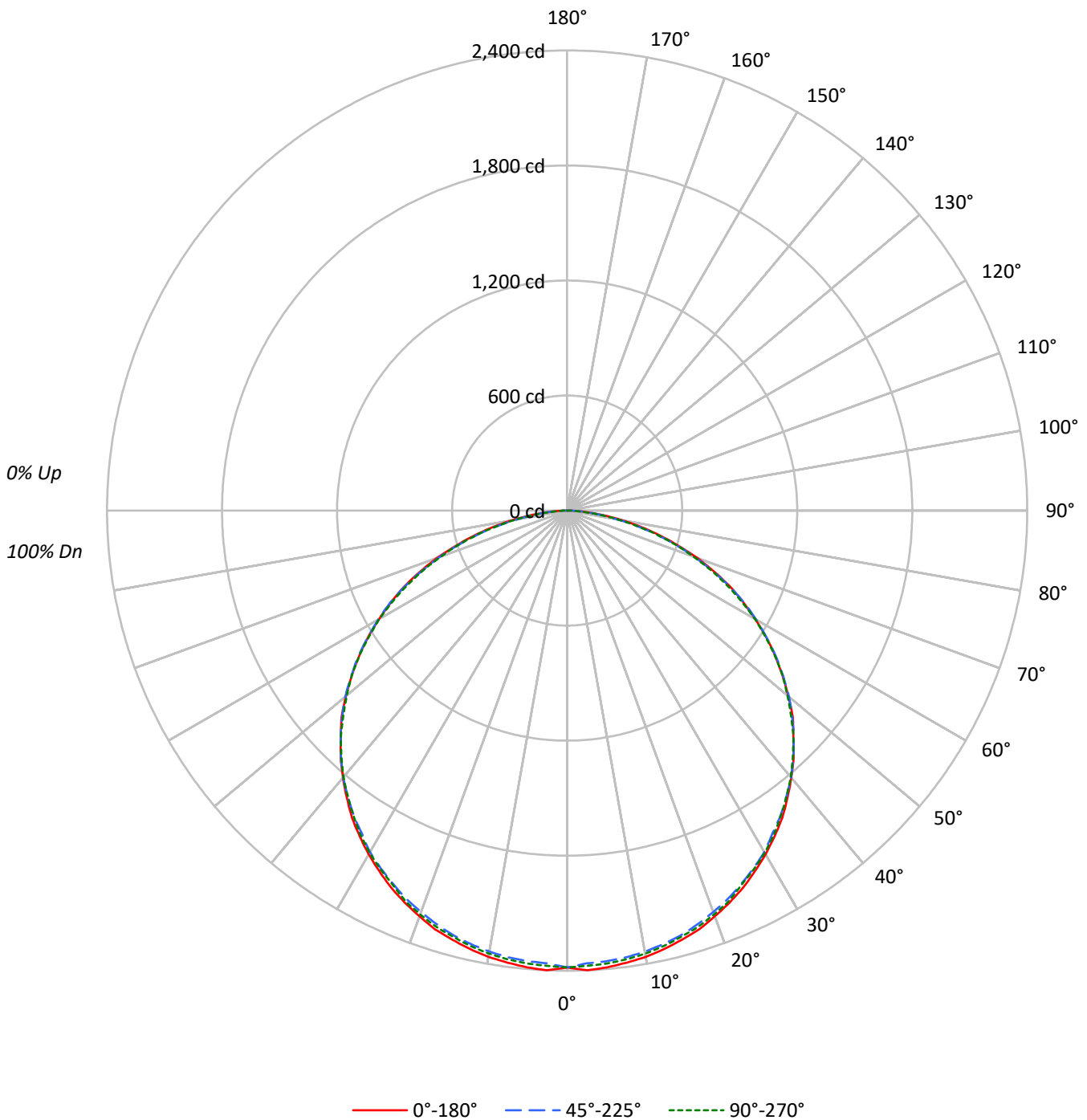
Lumens per Lamp: N/A
Luminaire Lumens: 7124.0 lumens
Efficiency: N/A
Efficacy: 148.4 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')
CIE Type: Direct

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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	99	95	106	101	98	94	97	94	91	93	91	88	90	88	86	83
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	12823	12823	12823
5°	12918	12745	12814
10°	12915	12763	12822
15°	12905	12774	12822
20°	12897	12762	12836
25°	12889	12762	12788
30°	12863	12783	12809
35°	12853	12754	12768
40°	12780	12766	12750
45°	12704	12721	12704
50°	12612	12648	12558
55°	12445	12485	12425
60°	12201	12246	12177
65°	11952	11869	11706
70°	11363	11127	10991
75°	10381	10025	10069
80°	8966	8300	8502
85°	6749	6484	5823



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	226.0	3.2
10°-20°	651.3	9.1
20°-30°	996.5	14.0
30°-40°	1218.4	17.1
40°-50°	1288.9	18.1
50°-60°	1187.6	16.7
60°-70°	915.1	12.8
70°-80°	512.7	7.2
80°-90°	127.4	1.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1873.8	26.3
0°-40°	3092.3	43.4
0°-60°	5568.7	78.2
0°-90°	7124.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7124.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2383	2383	2383	2383	2383	
5°	2391	2383	2359	2383	2372	227
15°	2316	2312	2293	2312	2301	654
25°	2170	2166	2149	2166	2153	1000
35°	1956	1952	1941	1948	1943	1222
45°	1669	1676	1671	1669	1669	1289
55°	1326	1337	1331	1331	1324	1184
65°	938	938	932	908	919	923
75°	499	493	482	465	484	529
85°	109	103	105	105	94	135
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2382.6	2382.6	2382.6	2382.6	2382.6
2.5°	2399.8	2389.0	2363.3	2386.9	2376.2
5°	2391.2	2382.6	2359.0	2382.6	2371.9
7.5°	2378.3	2371.9	2350.5	2371.9	2361.2
10°	2363.3	2356.9	2335.5	2356.9	2346.2
12.5°	2341.9	2337.6	2316.2	2337.6	2326.9
15°	2316.2	2311.9	2292.6	2311.9	2301.2
17.5°	2290.5	2281.9	2262.6	2284.1	2275.5
20°	2251.9	2247.6	2228.3	2247.6	2241.2
22.5°	2213.3	2209.1	2191.9	2209.1	2204.8
25°	2170.5	2166.2	2149.1	2166.2	2153.4
27.5°	2121.2	2123.4	2104.1	2114.8	2108.4
30°	2069.8	2069.8	2056.9	2061.2	2061.2
32.5°	2014.1	2014.1	1994.8	2007.7	2005.5
35°	1956.2	1951.9	1941.2	1947.7	1943.4
37.5°	1887.7	1885.5	1879.1	1883.4	1879.1
40°	1819.1	1821.2	1817.0	1814.8	1814.8
42.5°	1748.4	1752.7	1746.3	1744.1	1742.0
45°	1669.1	1675.5	1671.3	1669.1	1669.1
47.5°	1596.3	1598.4	1592.0	1589.8	1583.4
50°	1506.3	1514.8	1510.6	1506.3	1499.8
52.5°	1416.3	1429.1	1420.6	1416.3	1416.3
55°	1326.3	1337.0	1330.6	1330.6	1324.2
57.5°	1232.0	1242.7	1234.2	1234.2	1225.6
60°	1133.5	1144.2	1137.7	1131.3	1131.3
62.5°	1034.9	1043.5	1041.3	1030.6	1024.2
65°	938.5	938.5	932.0	908.5	919.2
67.5°	829.2	827.1	818.5	794.9	809.9
70°	722.1	722.1	707.1	679.2	698.5
72.5°	606.4	612.8	593.5	574.2	593.5
75°	499.2	492.8	482.1	465.0	484.2
77.5°	396.4	385.7	372.8	364.2	375.0
80°	289.3	282.8	267.8	267.8	274.3
82.5°	197.1	190.7	180.0	182.1	173.6
85°	109.3	102.8	105.0	105.0	94.3
87.5°	45.0	45.0	45.0	40.7	36.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)