

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: P568015

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568015
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-L935-CD
Description: 8FT 7400 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

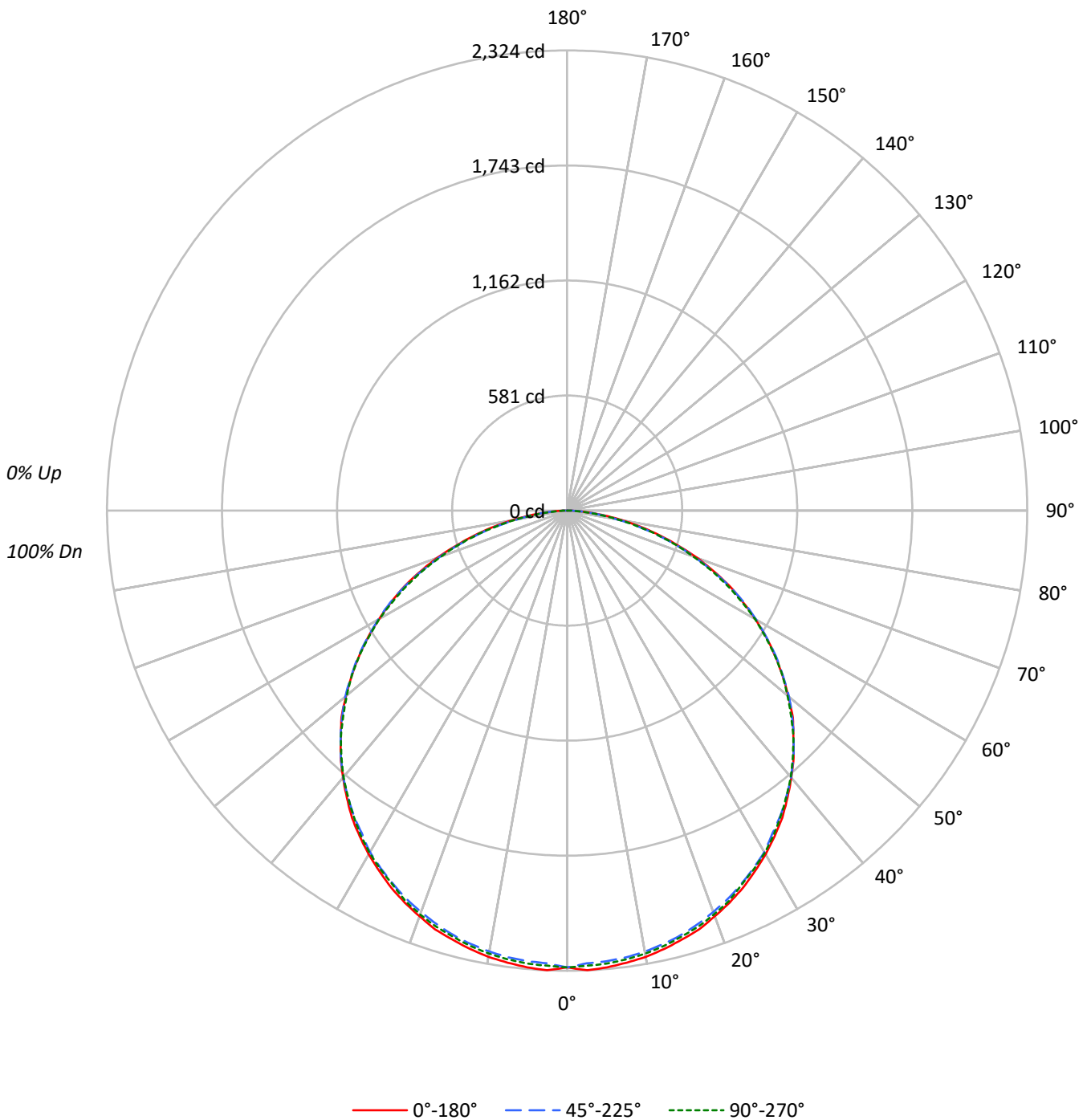
Lumens per Lamp: N/A
Luminaire Lumens: 6898.0 lumens
Efficiency: N/A
Efficacy: 143.7 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')
CIE Type: Direct

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°	12416	12416	12416
5°	12508	12340	12408
10°	12506	12359	12415
15°	12496	12369	12415
20°	12489	12358	12429
25°	12480	12357	12381
30°	12455	12378	12403
35°	12445	12349	12363
40°	12375	12360	12345
45°	12301	12317	12301
50°	12212	12246	12160
55°	12050	12089	12030
60°	11813	11858	11791
65°	11572	11493	11334
70°	11002	10773	10642
75°	10052	9707	9750
80°	8681	8037	8232
85°	6533	6280	5638



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	218.9	3.2
10°-20°	630.6	9.1
20°-30°	964.9	14.0
30°-40°	1179.8	17.1
40°-50°	1248.0	18.1
50°-60°	1149.9	16.7
60°-70°	886.1	12.8
70°-80°	496.5	7.2
80°-90°	123.4	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°	1814.4	26.3
0°-40°	2994.2	43.4
0°-60°	5392.1	78.2
0°-90°	6898.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6898.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2307	2307	2307	2307	2307	
5°	2315	2307	2284	2307	2297	220
15°	2243	2239	2220	2239	2228	634
25°	2102	2098	2081	2098	2085	969
35°	1894	1890	1880	1886	1882	1184
45°	1616	1622	1618	1616	1616	1248
55°	1284	1295	1288	1288	1282	1147
65°	909	909	902	880	890	894
75°	483	477	467	450	469	513
85°	106	100	102	102	91	131
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2307.0	2307.0	2307.0	2307.0	2307.0
2.5°	2323.6	2313.3	2288.4	2311.2	2300.8
5°	2315.3	2307.0	2284.2	2307.0	2296.7
7.5°	2302.9	2296.7	2275.9	2296.7	2286.3
10°	2288.4	2282.1	2261.4	2282.1	2271.8
12.5°	2267.6	2263.5	2242.7	2263.5	2253.1
15°	2242.7	2238.6	2219.9	2238.6	2228.2
17.5°	2217.8	2209.5	2190.8	2211.6	2203.3
20°	2180.5	2176.3	2157.7	2176.3	2170.1
22.5°	2143.1	2139.0	2122.4	2139.0	2134.8
25°	2101.6	2097.5	2080.9	2097.5	2085.0
27.5°	2053.9	2056.0	2037.3	2047.7	2041.5
30°	2004.1	2004.1	1991.7	1995.8	1995.8
32.5°	1950.2	1950.2	1931.5	1944.0	1941.9
35°	1894.2	1890.0	1879.6	1885.9	1881.7
37.5°	1827.8	1825.7	1819.5	1823.6	1819.5
40°	1761.4	1763.5	1759.3	1757.2	1757.2
42.5°	1692.9	1697.1	1690.9	1688.8	1686.7
45°	1616.2	1622.4	1618.2	1616.2	1616.2
47.5°	1545.6	1547.7	1541.5	1539.4	1533.2
50°	1458.5	1466.8	1462.6	1458.5	1452.3
52.5°	1371.4	1383.8	1375.5	1371.4	1371.4
55°	1284.2	1294.6	1288.4	1288.4	1282.1
57.5°	1192.9	1203.3	1195.0	1195.0	1186.7
60°	1097.5	1107.9	1101.6	1095.4	1095.4
62.5°	1002.1	1010.4	1008.3	997.9	991.7
65°	908.7	908.7	902.5	879.7	890.0
67.5°	802.9	800.8	792.5	769.7	784.2
70°	699.2	699.2	684.6	657.7	676.3
72.5°	587.1	593.4	574.7	556.0	574.7
75°	483.4	477.2	466.8	450.2	468.9
77.5°	383.8	373.4	361.0	352.7	363.1
80°	280.1	273.9	259.3	259.3	265.6
82.5°	190.9	184.6	174.3	176.3	168.0
85°	105.8	99.6	101.7	101.7	91.3
87.5°	43.6	43.6	43.6	39.4	35.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)