

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: P568013

Luminaire Tested: **8SNX-74SL-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568013
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-L850-CD
Description: 8FT 7400 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

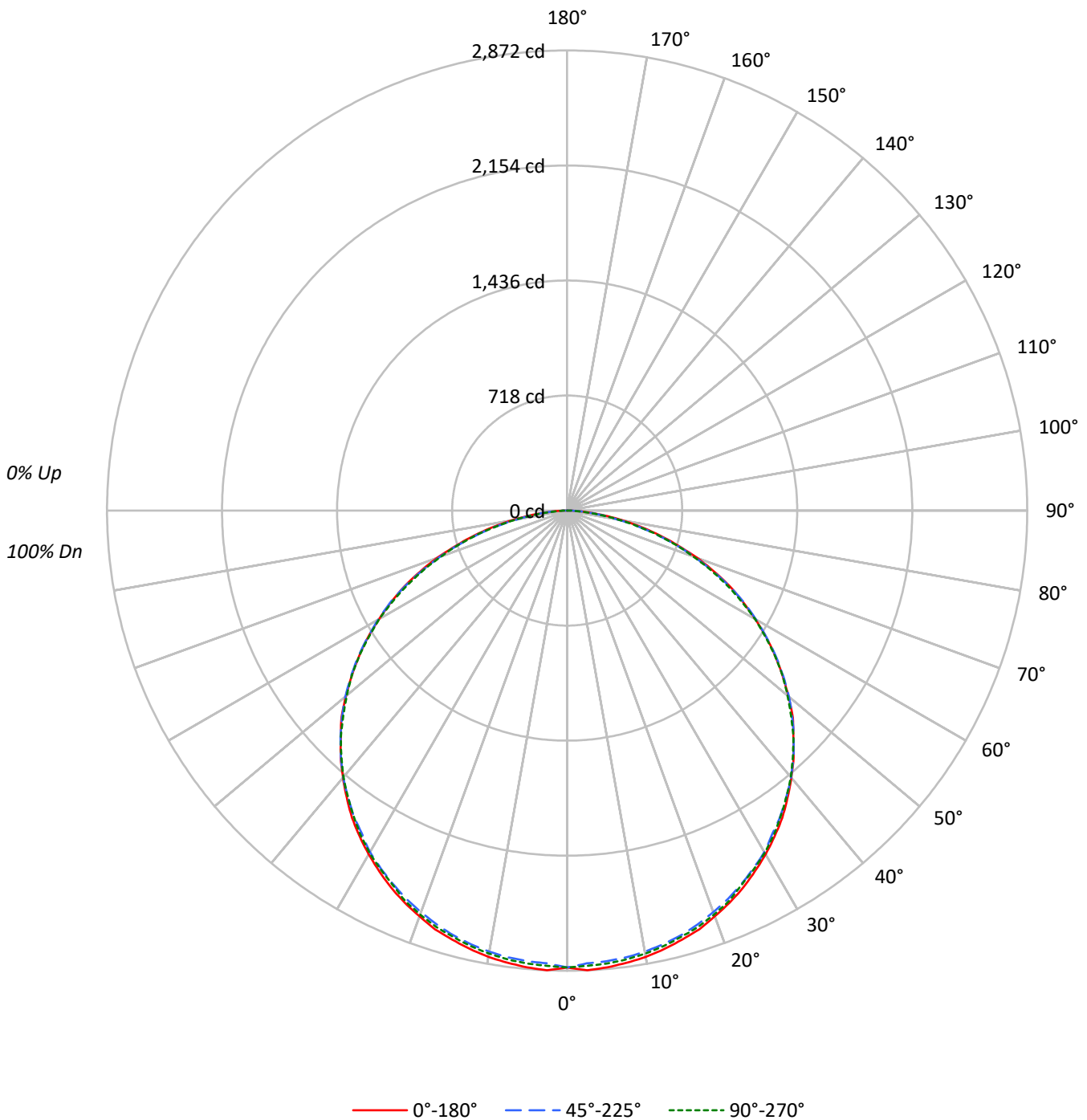
Lumens per Lamp: N/A
Luminaire Lumens: 8526.0 lumens
Efficiency: N/A
Efficacy: 177.6 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P568013

CATALOG NUMBER: 8SNX-74SL-UNV-L850-CD

Luminous Intensity Polar Plot





TEST NUMBER: P568013

CATALOG NUMBER: 8SNX-74SL-UNV-L850-CD

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°	15347	15347	15347
5°	15461	15253	15336
10°	15457	15275	15345
15°	15445	15288	15345
20°	15436	15274	15362
25°	15425	15273	15304
30°	15394	15298	15331
35°	15382	15264	15281
40°	15296	15277	15260
45°	15204	15224	15204
50°	15094	15136	15029
55°	14894	14942	14869
60°	14601	14656	14574
65°	14304	14206	14010
70°	13599	13316	13155
75°	12425	11998	12050
80°	10730	9933	10172
85°	8077	7762	6966



TEST NUMBER: P568013

CATALOG NUMBER: 8SNX-74SL-UNV-L850-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	270.5	3.2
10°-20°	779.5	9.1
20°-30°	1192.6	14.0
30°-40°	1458.2	17.1
40°-50°	1542.5	18.1
50°-60°	1421.2	16.7
60°-70°	1095.2	12.8
70°-80°	613.6	7.2
80°-90°	152.5	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°	2242.6	26.3
0°-40°	3700.9	43.4
0°-60°	6664.6	78.2
0°-90°	8526.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8526.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2852	2852	2852	2852	2852	
5°	2862	2852	2823	2852	2839	272
15°	2772	2767	2744	2767	2754	783
25°	2598	2592	2572	2592	2577	1197
35°	2341	2336	2323	2331	2326	1463
45°	1998	2005	2000	1998	1998	1543
55°	1587	1600	1592	1592	1585	1417
65°	1123	1123	1116	1087	1100	1105
75°	598	590	577	556	580	634
85°	131	123	126	126	113	161
90°	0	0	0	0	0	



TEST NUMBER: P568013

CATALOG NUMBER: 8SNX-74SL-UNV-L850-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2851.5	2851.5	2851.5	2851.5	2851.5
2.5°	2872.0	2859.2	2828.4	2856.6	2843.8
5°	2861.8	2851.5	2823.3	2851.5	2838.7
7.5°	2846.4	2838.7	2813.0	2838.7	2825.9
10°	2828.4	2820.7	2795.1	2820.7	2807.9
12.5°	2802.8	2797.7	2772.0	2797.7	2784.8
15°	2772.0	2766.9	2743.8	2766.9	2754.1
17.5°	2741.2	2731.0	2707.9	2733.6	2723.3
20°	2695.1	2690.0	2666.9	2690.0	2682.3
22.5°	2648.9	2643.8	2623.3	2643.8	2638.7
25°	2597.6	2592.5	2572.0	2592.5	2577.1
27.5°	2538.7	2541.2	2518.2	2531.0	2523.3
30°	2477.1	2477.1	2461.7	2466.9	2466.9
32.5°	2410.5	2410.5	2387.4	2402.8	2400.2
35°	2341.2	2336.1	2323.3	2331.0	2325.8
37.5°	2259.2	2256.6	2248.9	2254.0	2248.9
40°	2177.1	2179.7	2174.5	2172.0	2172.0
42.5°	2092.5	2097.6	2089.9	2087.3	2084.8
45°	1997.6	2005.3	2000.2	1997.6	1997.6
47.5°	1910.4	1913.0	1905.3	1902.7	1895.0
50°	1802.7	1813.0	1807.8	1802.7	1795.0
52.5°	1695.0	1710.4	1700.1	1695.0	1695.0
55°	1587.3	1600.1	1592.4	1592.4	1584.7
57.5°	1474.5	1487.3	1477.0	1477.0	1466.8
60°	1356.5	1369.3	1361.6	1354.0	1354.0
62.5°	1238.6	1248.8	1246.3	1233.4	1225.7
65°	1123.2	1123.2	1115.5	1087.3	1100.1
67.5°	992.4	989.8	979.6	951.4	969.3
70°	864.2	864.2	846.2	812.9	836.0
72.5°	725.7	733.4	710.3	687.2	710.3
75°	597.5	589.8	577.0	556.5	579.5
77.5°	474.4	461.6	446.2	435.9	448.8
80°	346.2	338.5	320.5	320.5	328.2
82.5°	235.9	228.2	215.4	218.0	207.7
85°	130.8	123.1	125.7	125.7	112.8
87.5°	53.9	53.9	53.9	48.7	43.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)