

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: P568010

Luminaire Tested: **8SNX-74SL-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568010
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-L830-CD
Description: 8FT 7400 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

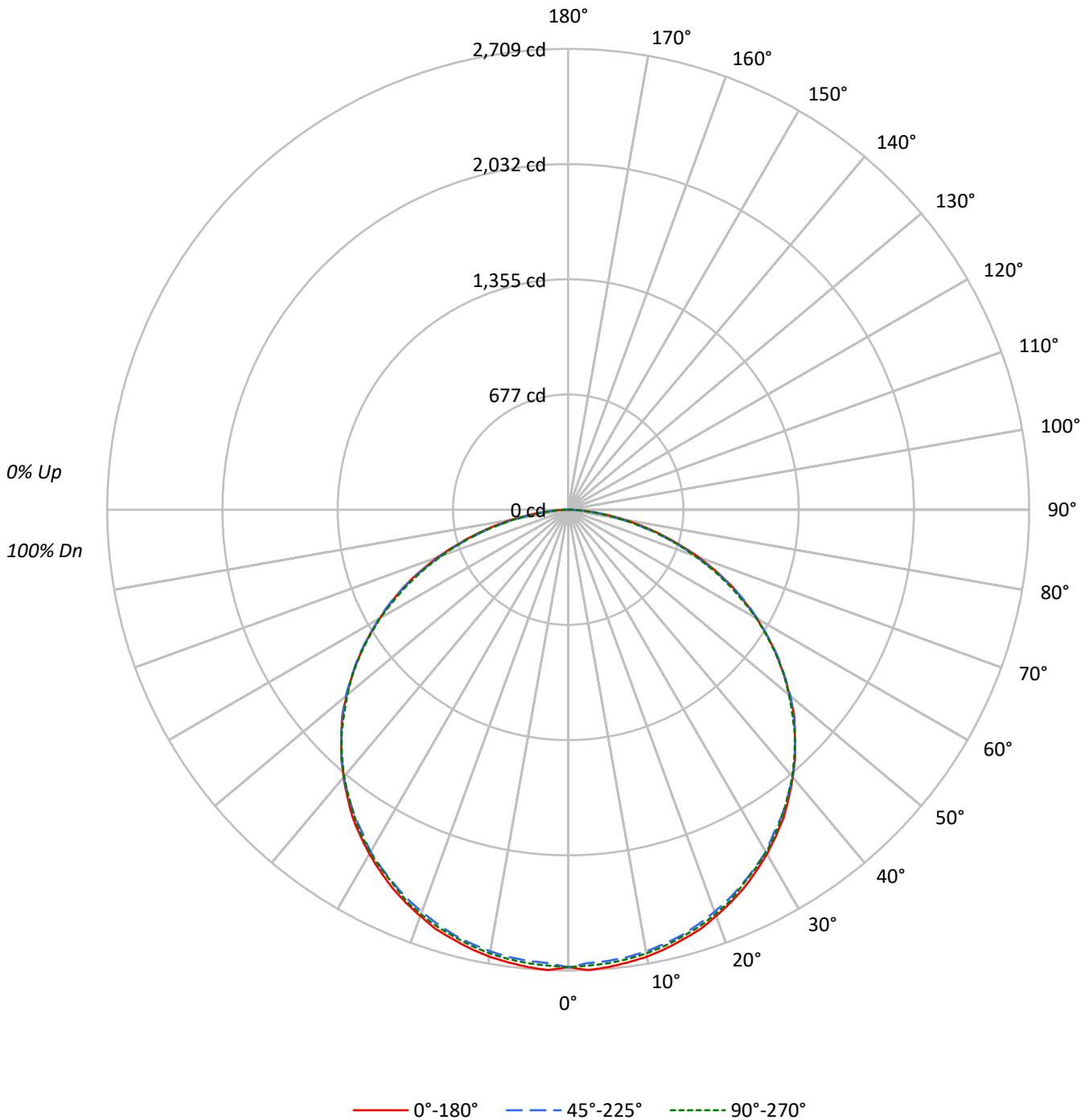
Lumens per Lamp: N/A
Luminaire Lumens: 8041.0 lumens
Efficiency: N/A
Efficacy: 167.5 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')
CIE Type: Direct

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°	14474	14474	14474
5°	14581	14385	14464
10°	14578	14406	14472
15°	14566	14418	14472
20°	14558	14405	14489
25°	14548	14405	14433
30°	14518	14428	14458
35°	14507	14396	14412
40°	14426	14408	14391
45°	14340	14358	14340
50°	14236	14276	14174
55°	14047	14093	14024
60°	13771	13823	13744
65°	13490	13397	13212
70°	12825	12559	12406
75°	11718	11314	11366
80°	10119	9369	9596
85°	7614	7317	6570



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	255.1	3.2
10°-20°	735.1	9.1
20°-30°	1124.8	14.0
30°-40°	1375.3	17.1
40°-50°	1454.8	18.1
50°-60°	1340.4	16.7
60°-70°	1032.9	12.8
70°-80°	578.7	7.2
80°-90°	143.8	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°	2115.0	26.3
0°-40°	3490.3	43.4
0°-60°	6285.5	78.2
0°-90°	8041.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8041.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2689	2689	2689	2689	2689	
5°	2699	2689	2663	2689	2677	257
15°	2614	2610	2588	2610	2597	739
25°	2450	2445	2426	2445	2430	1129
35°	2208	2203	2191	2198	2194	1380
45°	1884	1891	1886	1884	1884	1455
55°	1497	1509	1502	1502	1495	1337
65°	1059	1059	1052	1025	1038	1042
75°	564	556	544	525	547	597
85°	123	116	118	118	106	152
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2689.3	2689.3	2689.3	2689.3	2689.3
2.5°	2708.7	2696.6	2667.5	2694.1	2682.1
5°	2699.0	2689.3	2662.7	2689.3	2677.2
7.5°	2684.5	2677.2	2653.0	2677.2	2665.1
10°	2667.5	2660.3	2636.1	2660.3	2648.2
12.5°	2643.4	2638.5	2614.3	2638.5	2626.4
15°	2614.3	2609.5	2587.7	2609.5	2597.4
17.5°	2585.3	2575.6	2553.9	2578.1	2568.4
20°	2541.8	2536.9	2515.2	2536.9	2529.7
22.5°	2498.2	2493.4	2474.1	2493.4	2488.6
25°	2449.9	2445.0	2425.7	2445.0	2430.5
27.5°	2394.3	2396.7	2374.9	2387.0	2379.7
30°	2336.2	2336.2	2321.7	2326.5	2326.5
32.5°	2273.3	2273.3	2251.6	2266.1	2263.7
35°	2208.0	2203.2	2191.1	2198.4	2193.5
37.5°	2130.6	2128.2	2121.0	2125.8	2121.0
40°	2053.3	2055.7	2050.8	2048.4	2048.4
42.5°	1973.4	1978.3	1971.0	1968.6	1966.2
45°	1884.0	1891.2	1886.4	1884.0	1884.0
47.5°	1801.7	1804.2	1796.9	1794.5	1787.2
50°	1700.2	1709.8	1705.0	1700.2	1692.9
52.5°	1598.6	1613.1	1603.4	1598.6	1598.6
55°	1497.0	1509.1	1501.9	1501.9	1494.6
57.5°	1390.6	1402.7	1393.0	1393.0	1383.3
60°	1279.4	1291.4	1284.2	1276.9	1276.9
62.5°	1168.1	1177.8	1175.4	1163.3	1156.0
65°	1059.3	1059.3	1052.0	1025.4	1037.5
67.5°	935.9	933.5	923.8	897.2	914.2
70°	815.0	815.0	798.1	766.6	788.4
72.5°	684.4	691.7	669.9	648.1	669.9
75°	563.5	556.2	544.1	524.8	546.6
77.5°	447.4	435.3	420.8	411.1	423.2
80°	326.5	319.2	302.3	302.3	309.6
82.5°	222.5	215.2	203.1	205.6	195.9
85°	123.3	116.1	118.5	118.5	106.4
87.5°	50.8	50.8	50.8	46.0	41.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)