

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: P568110

Luminaire Tested: **8SNX-90SL-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568110
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-90SL-UNV-L930-CD
Description: 8FT 9000 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

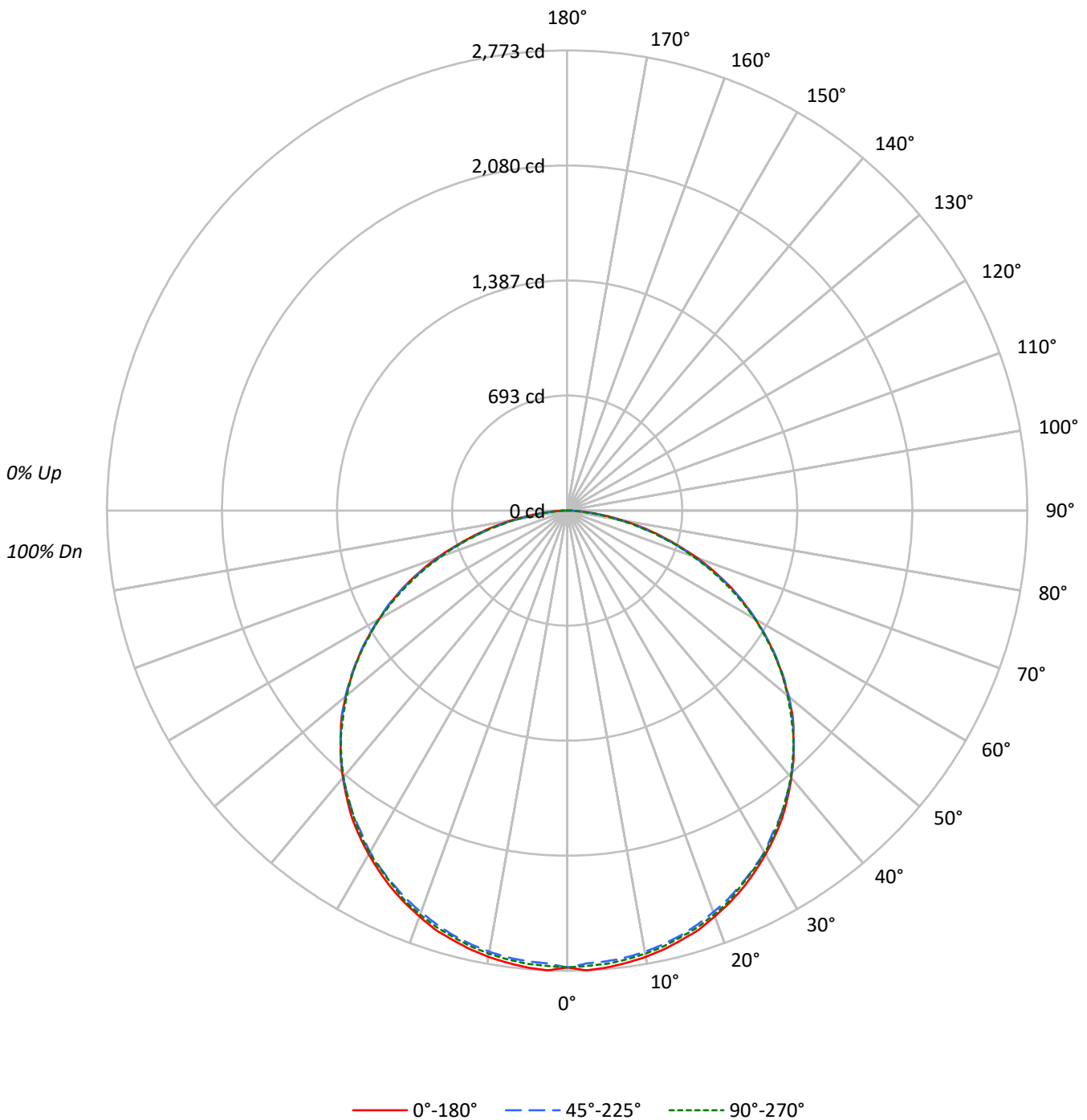
Lumens per Lamp: N/A
Luminaire Lumens: 8233.0 lumens
Efficiency: N/A
Efficacy: 138.1 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')
CIE Type: Direct

Input Watts (W): 59.6
Input Voltage (V): NR
Input Current (A_{in}): 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°	14819	14819	14819
5°	14929	14729	14809
10°	14926	14750	14818
15°	14915	14763	14818
20°	14905	14749	14834
25°	14896	14748	14778
30°	14865	14773	14804
35°	14854	14739	14756
40°	14770	14752	14735
45°	14682	14700	14682
50°	14575	14616	14513
55°	14383	14428	14359
60°	14100	14153	14073
65°	13812	13717	13528
70°	13132	12858	12702
75°	11998	11584	11636
80°	10361	9592	9825
85°	7799	7490	6731



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	261.2	3.2
10°-20°	752.7	9.1
20°-30°	1151.6	14.0
30°-40°	1408.1	17.1
40°-50°	1489.5	18.1
50°-60°	1372.4	16.7
60°-70°	1057.6	12.8
70°-80°	592.6	7.2
80°-90°	147.3	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°	2165.5	26.3
0°-40°	3573.7	43.4
0°-60°	6435.6	78.2
0°-90°	8233.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8233.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2754	2754	2754	2754	2754	
5°	2763	2754	2726	2754	2741	263
15°	2677	2672	2650	2672	2659	756
25°	2508	2503	2484	2503	2489	1156
35°	2261	2256	2243	2251	2246	1413
45°	1929	1936	1931	1929	1929	1490
55°	1533	1545	1538	1538	1530	1369
65°	1085	1085	1077	1050	1062	1067
75°	577	570	557	537	560	612
85°	126	119	121	121	109	156
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2753.5	2753.5	2753.5	2753.5	2753.5
2.5°	2773.3	2760.9	2731.2	2758.5	2746.1
5°	2763.4	2753.5	2726.3	2753.5	2741.1
7.5°	2748.6	2741.1	2716.4	2741.1	2728.8
10°	2731.2	2723.8	2699.0	2723.8	2711.4
12.5°	2706.5	2701.5	2676.8	2701.5	2689.1
15°	2676.8	2671.8	2649.5	2671.8	2659.4
17.5°	2647.0	2637.1	2614.9	2639.6	2629.7
20°	2602.5	2597.5	2575.2	2597.5	2590.1
22.5°	2557.9	2552.9	2533.1	2552.9	2548.0
25°	2508.4	2503.4	2483.6	2503.4	2488.6
27.5°	2451.4	2453.9	2431.6	2444.0	2436.6
30°	2392.0	2392.0	2377.1	2382.1	2382.1
32.5°	2327.6	2327.6	2305.3	2320.2	2317.7
35°	2260.8	2255.8	2243.4	2250.9	2245.9
37.5°	2181.5	2179.0	2171.6	2176.6	2171.6
40°	2102.3	2104.8	2099.8	2097.3	2097.3
42.5°	2020.6	2025.5	2018.1	2015.6	2013.1
45°	1929.0	1936.4	1931.4	1929.0	1929.0
47.5°	1844.8	1847.2	1839.8	1837.3	1829.9
50°	1740.8	1750.7	1745.7	1740.8	1733.3
52.5°	1636.8	1651.6	1641.7	1636.8	1636.8
55°	1532.8	1545.1	1537.7	1537.7	1530.3
57.5°	1423.8	1436.2	1426.3	1426.3	1416.4
60°	1309.9	1322.3	1314.9	1307.4	1307.4
62.5°	1196.0	1205.9	1203.4	1191.0	1183.6
65°	1084.6	1084.6	1077.1	1049.9	1062.3
67.5°	958.3	955.8	945.9	918.7	936.0
70°	834.5	834.5	817.1	785.0	807.2
72.5°	700.8	708.2	685.9	663.6	685.9
75°	577.0	569.5	557.1	537.3	559.6
77.5°	458.1	445.7	430.9	421.0	433.3
80°	334.3	326.9	309.5	309.5	317.0
82.5°	227.8	220.4	208.0	210.5	200.6
85°	126.3	118.9	121.3	121.3	109.0
87.5°	52.0	52.0	52.0	47.0	42.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)