

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: P568112

Luminaire Tested: **8SNX-90SL-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568112
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-L940-CD
Description: 8FT 9000 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

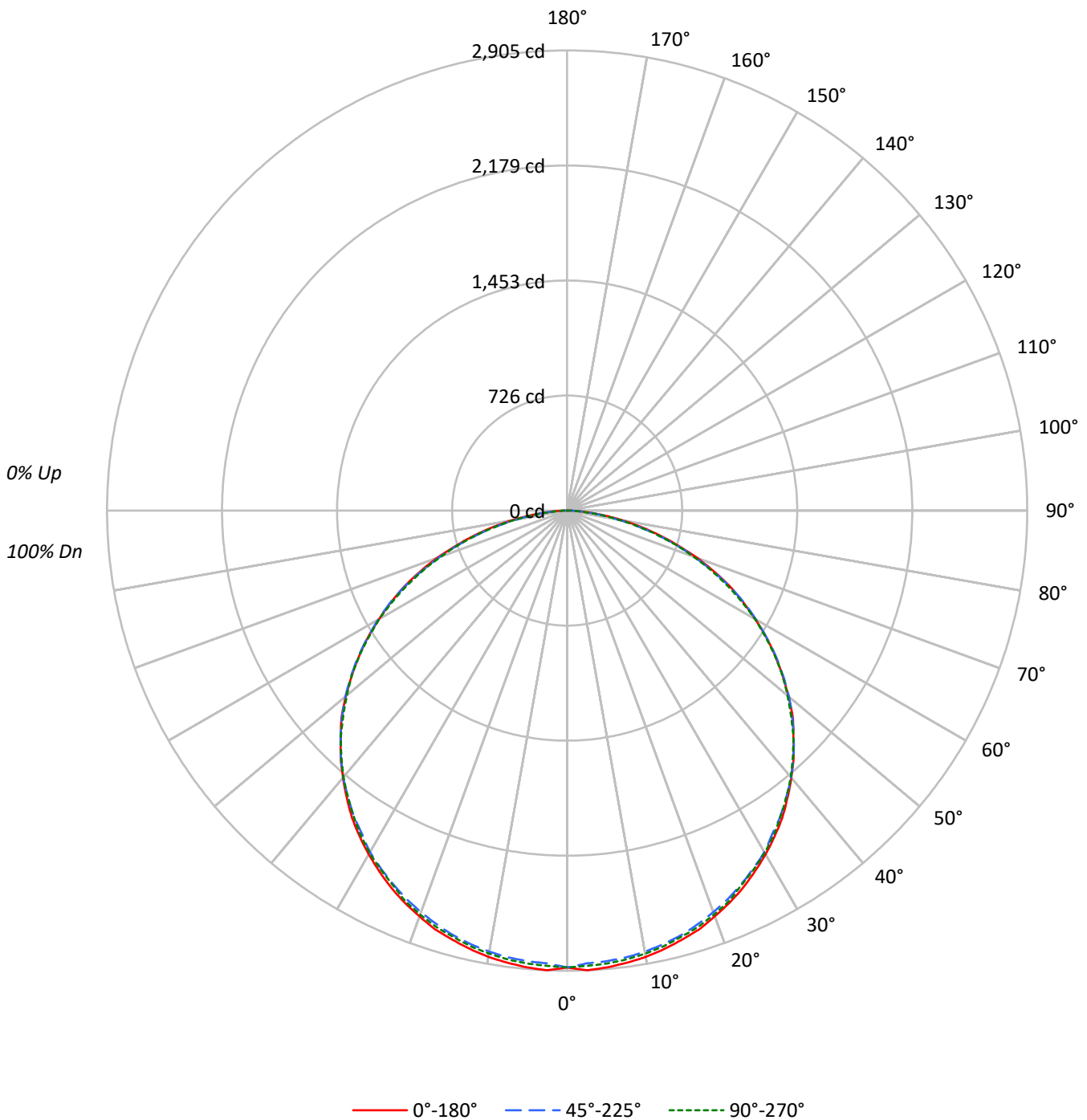
Lumens per Lamp: N/A
Luminaire Lumens: 8624.0 lumens
Efficiency: N/A
Efficacy: 144.7 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')
CIE Type: Direct

Input Watts (W): 59.6
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°	15523	15523	15523
5°	15639	15429	15512
10°	15635	15451	15522
15°	15623	15464	15521
20°	15613	15450	15539
25°	15603	15449	15480
30°	15571	15474	15507
35°	15559	15440	15457
40°	15471	15453	15435
45°	15379	15399	15379
50°	15267	15311	15203
55°	15066	15113	15041
60°	14769	14825	14741
65°	14468	14369	14170
70°	13755	13468	13306
75°	12568	12136	12190
80°	10854	10048	10290
85°	8170	7849	7046



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	273.6	3.2
10°-20°	788.4	9.1
20°-30°	1206.3	14.0
30°-40°	1475.0	17.1
40°-50°	1560.3	18.1
50°-60°	1437.6	16.7
60°-70°	1107.8	12.8
70°-80°	620.7	7.2
80°-90°	154.3	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°	2268.4	26.3
0°-40°	3743.4	43.4
0°-60°	6741.2	78.2
0°-90°	8624.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8624.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2884	2884	2884	2884	2884	
5°	2895	2884	2856	2884	2871	275
15°	2804	2799	2775	2799	2786	792
25°	2628	2622	2602	2622	2607	1211
35°	2368	2363	2350	2358	2353	1480
45°	2021	2028	2023	2021	2021	1561
55°	1606	1618	1611	1611	1603	1434
65°	1136	1136	1128	1100	1113	1117
75°	604	597	584	563	586	641
85°	132	124	127	127	114	163
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2884.3	2884.3	2884.3	2884.3	2884.3
2.5°	2905.0	2892.1	2860.9	2889.5	2876.5
5°	2894.7	2884.3	2855.8	2884.3	2871.3
7.5°	2879.1	2871.3	2845.4	2871.3	2858.4
10°	2860.9	2853.2	2827.2	2853.2	2840.2
12.5°	2835.0	2829.8	2803.9	2829.8	2816.9
15°	2803.9	2798.7	2775.4	2798.7	2785.7
17.5°	2772.8	2762.4	2739.0	2765.0	2754.6
20°	2726.1	2720.9	2697.5	2720.9	2713.1
22.5°	2679.4	2674.2	2653.4	2674.2	2669.0
25°	2627.5	2622.3	2601.6	2622.3	2606.8
27.5°	2567.8	2570.4	2547.1	2560.1	2552.3
30°	2505.6	2505.6	2490.0	2495.2	2495.2
32.5°	2438.2	2438.2	2414.8	2430.4	2427.8
35°	2368.1	2362.9	2350.0	2357.8	2352.6
37.5°	2285.1	2282.5	2274.8	2279.9	2274.8
40°	2202.1	2204.7	2199.5	2196.9	2196.9
42.5°	2116.5	2121.7	2113.9	2111.3	2108.7
45°	2020.6	2028.3	2023.2	2020.6	2020.6
47.5°	1932.4	1935.0	1927.2	1924.6	1916.8
50°	1823.4	1833.8	1828.6	1823.4	1815.7
52.5°	1714.5	1730.1	1719.7	1714.5	1714.5
55°	1605.6	1618.5	1610.7	1610.7	1603.0
57.5°	1491.4	1504.4	1494.0	1494.0	1483.6
60°	1372.1	1385.1	1377.3	1369.5	1369.5
62.5°	1252.8	1263.2	1260.6	1247.6	1239.8
65°	1136.1	1136.1	1128.3	1099.8	1112.7
67.5°	1003.8	1001.2	990.8	962.3	980.5
70°	874.1	874.1	855.9	822.2	845.6
72.5°	734.0	741.8	718.5	695.1	718.5
75°	604.4	596.6	583.6	562.9	586.2
77.5°	479.9	466.9	451.3	440.9	453.9
80°	350.2	342.4	324.2	324.2	332.0
82.5°	238.6	230.8	217.9	220.5	210.1
85°	132.3	124.5	127.1	127.1	114.1
87.5°	54.5	54.5	54.5	49.3	44.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)