

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: P568113

Luminaire Tested: **8SNX-90SL-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568113
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-L950-CD
Description: 8FT 9000 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

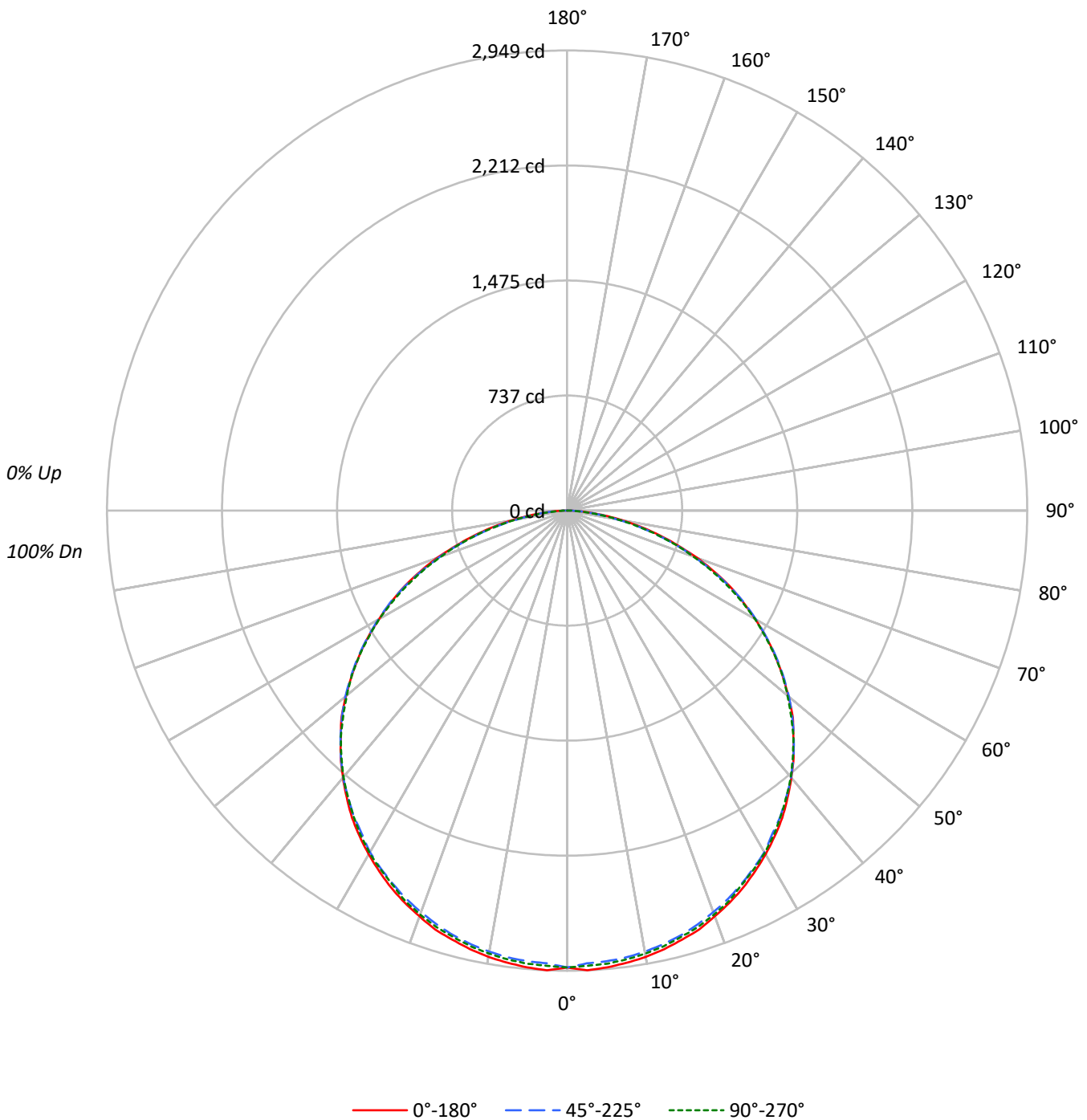
Lumens per Lamp: N/A
Luminaire Lumens: 8755.0 lumens
Efficiency: N/A
Efficacy: 146.9 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')
CIE Type: Direct

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°	15759	15759	15759
5°	15876	15662	15748
10°	15872	15686	15757
15°	15860	15699	15757
20°	15850	15684	15775
25°	15840	15684	15715
30°	15808	15710	15742
35°	15795	15674	15692
40°	15707	15688	15669
45°	15613	15633	15613
50°	15499	15543	15433
55°	15294	15343	15269
60°	14994	15050	14965
65°	14687	14586	14385
70°	13964	13674	13508
75°	12757	12321	12375
80°	11018	10200	10445
85°	8293	7966	7157



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	277.8	3.2
10°-20°	800.4	9.1
20°-30°	1224.7	14.0
30°-40°	1497.4	17.1
40°-50°	1584.0	18.1
50°-60°	1459.4	16.7
60°-70°	1124.6	12.8
70°-80°	630.1	7.2
80°-90°	156.6	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°	2302.9	26.3
0°-40°	3800.3	43.4
0°-60°	6843.6	78.2
0°-90°	8755.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8755.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2928	2928	2928	2928	2928	
5°	2939	2928	2899	2928	2915	279
15°	2846	2841	2818	2841	2828	804
25°	2667	2662	2641	2662	2646	1229
35°	2404	2399	2386	2394	2388	1502
45°	2051	2059	2054	2051	2051	1585
55°	1630	1643	1635	1635	1627	1455
65°	1153	1153	1145	1116	1130	1134
75°	614	606	592	571	595	650
85°	134	126	129	129	116	166
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2928.1	2928.1	2928.1	2928.1	2928.1
2.5°	2949.2	2936.0	2904.4	2933.4	2920.2
5°	2938.6	2928.1	2899.1	2928.1	2914.9
7.5°	2922.8	2914.9	2888.6	2914.9	2901.8
10°	2904.4	2896.5	2870.2	2896.5	2883.3
12.5°	2878.1	2872.8	2846.5	2872.8	2859.6
15°	2846.5	2841.2	2817.5	2841.2	2828.0
17.5°	2814.9	2804.3	2780.6	2807.0	2796.4
20°	2767.5	2762.2	2738.5	2762.2	2754.3
22.5°	2720.1	2714.8	2693.7	2714.8	2709.5
25°	2667.4	2662.2	2641.1	2662.2	2646.4
27.5°	2606.9	2609.5	2585.8	2599.0	2591.1
30°	2543.7	2543.7	2527.9	2533.1	2533.1
32.5°	2475.2	2475.2	2451.5	2467.3	2464.7
35°	2404.1	2398.8	2385.7	2393.6	2388.3
37.5°	2319.8	2317.2	2309.3	2314.6	2309.3
40°	2235.6	2238.2	2232.9	2230.3	2230.3
42.5°	2148.7	2153.9	2146.0	2143.4	2140.8
45°	2051.3	2059.2	2053.9	2051.3	2051.3
47.5°	1961.7	1964.4	1956.5	1953.8	1945.9
50°	1851.1	1861.7	1856.4	1851.1	1843.2
52.5°	1740.5	1756.3	1745.8	1740.5	1740.5
55°	1629.9	1643.1	1635.2	1635.2	1627.3
57.5°	1514.1	1527.2	1516.7	1516.7	1506.2
60°	1393.0	1406.1	1398.2	1390.3	1390.3
62.5°	1271.8	1282.4	1279.7	1266.6	1258.7
65°	1153.3	1153.3	1145.4	1116.5	1129.6
67.5°	1019.0	1016.4	1005.9	976.9	995.3
70°	887.4	887.4	869.0	834.7	858.4
72.5°	745.2	753.1	729.4	705.7	729.4
75°	613.5	605.6	592.5	571.4	595.1
77.5°	487.1	474.0	458.2	447.6	460.8
80°	355.5	347.6	329.1	329.1	337.0
82.5°	242.3	234.4	221.2	223.8	213.3
85°	134.3	126.4	129.0	129.0	115.9
87.5°	55.3	55.3	55.3	50.0	44.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)