

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: P568159

Luminaire Tested: **8SNX-96SL-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568159
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-96SL-UNV-L935-CD
Description: 8FT 9600 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

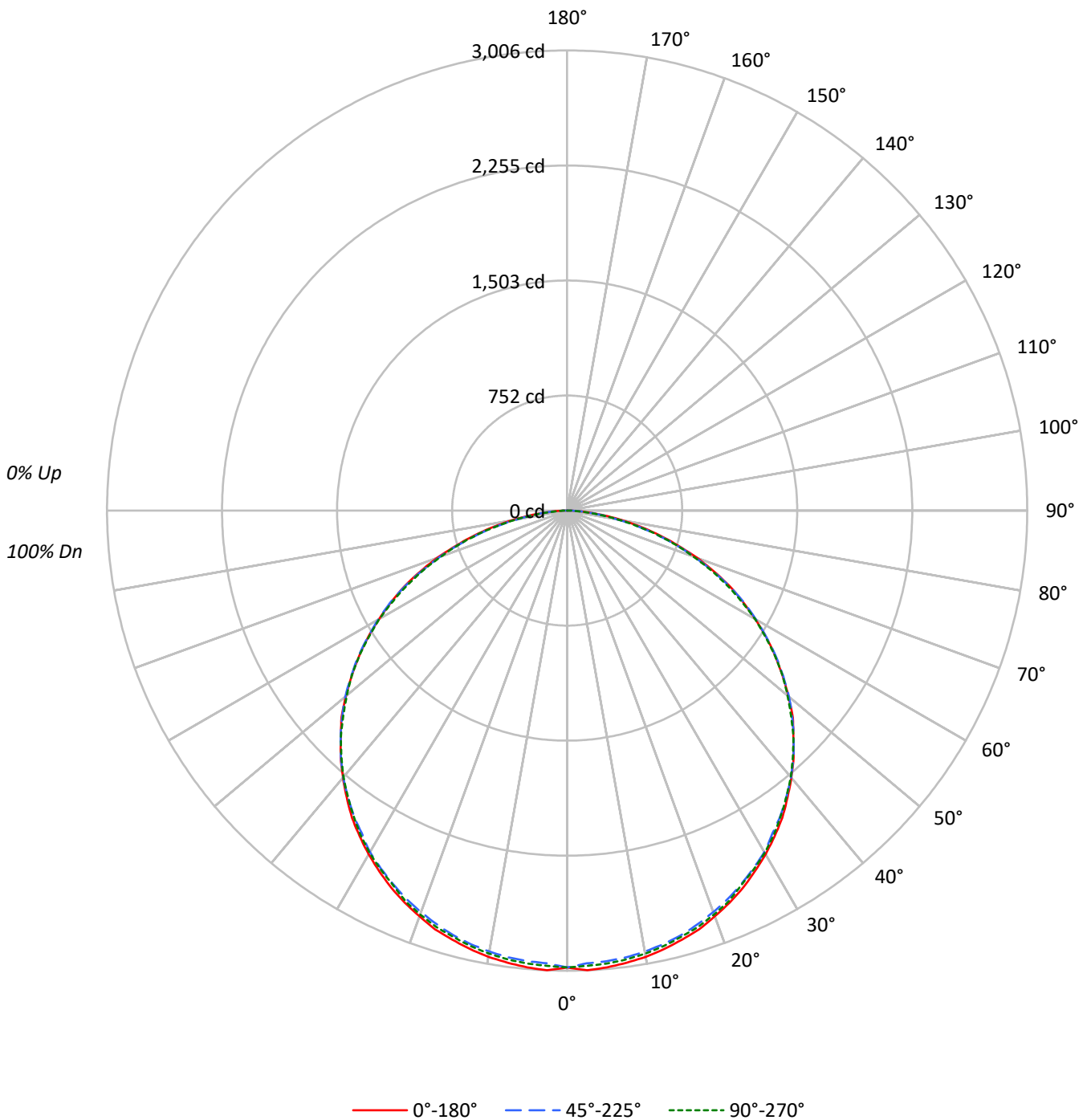
Lumens per Lamp: N/A
Luminaire Lumens: 8923.0 lumens
Efficiency: N/A
Efficacy: 139.0 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')
CIE Type: Direct

Input Watts (W): 64.2
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°	16061	16061	16061
5°	16181	15963	16050
10°	16177	15986	16060
15°	16164	16000	16060
20°	16155	15986	16078
25°	16144	15985	16016
30°	16111	16011	16044
35°	16098	15975	15992
40°	16008	15989	15970
45°	15912	15933	15912
50°	15797	15841	15729
55°	15587	15638	15562
60°	15282	15340	15252
65°	14970	14867	14662
70°	14231	13936	13767
75°	13003	12556	12612
80°	11229	10398	10646
85°	8454	8120	7293



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	283.1	3.2
10°-20°	815.8	9.1
20°-30°	1248.2	14.0
30°-40°	1526.1	17.1
40°-50°	1614.4	18.1
50°-60°	1487.4	16.7
60°-70°	1146.2	12.8
70°-80°	642.2	7.2
80°-90°	159.6	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°	2347.0	26.3
0°-40°	3873.2	43.4
0°-60°	6975.0	78.2
0°-90°	8923.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8923.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2984	2984	2984	2984	2984	
5°	2995	2984	2955	2984	2971	285
15°	2901	2896	2872	2896	2882	820
25°	2719	2713	2692	2713	2697	1253
35°	2450	2445	2431	2440	2434	1531
45°	2091	2099	2093	2091	2091	1615
55°	1661	1675	1667	1667	1658	1483
65°	1176	1176	1167	1138	1151	1156
75°	625	617	604	582	606	663
85°	137	129	132	132	118	169
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2984.3	2984.3	2984.3	2984.3	2984.3
2.5°	3005.8	2992.3	2960.1	2989.7	2976.2
5°	2995.0	2984.3	2954.8	2984.3	2970.9
7.5°	2978.9	2970.9	2944.0	2970.9	2957.5
10°	2960.1	2952.1	2925.2	2952.1	2938.7
12.5°	2933.3	2927.9	2901.1	2927.9	2914.5
15°	2901.1	2895.7	2871.6	2895.7	2882.3
17.5°	2868.9	2858.2	2834.0	2860.8	2850.1
20°	2820.6	2815.2	2791.1	2815.2	2807.2
22.5°	2772.3	2766.9	2745.4	2766.9	2761.5
25°	2718.6	2713.2	2691.8	2713.2	2697.1
27.5°	2656.9	2659.6	2635.4	2648.8	2640.8
30°	2592.5	2592.5	2576.4	2581.7	2581.7
32.5°	2522.7	2522.7	2498.5	2514.6	2512.0
35°	2450.2	2444.9	2431.4	2439.5	2434.1
37.5°	2364.4	2361.7	2353.6	2359.0	2353.6
40°	2278.5	2281.2	2275.8	2273.1	2273.1
42.5°	2189.9	2195.3	2187.2	2184.5	2181.9
45°	2090.6	2098.7	2093.3	2090.6	2090.6
47.5°	1999.4	2002.1	1994.0	1991.3	1983.3
50°	1886.7	1897.4	1892.0	1886.7	1878.6
52.5°	1773.9	1790.0	1779.3	1773.9	1773.9
55°	1661.2	1674.6	1666.6	1666.6	1658.5
57.5°	1543.1	1556.6	1545.8	1545.8	1535.1
60°	1419.7	1433.1	1425.1	1417.0	1417.0
62.5°	1296.2	1307.0	1304.3	1290.9	1282.8
65°	1175.5	1175.5	1167.4	1137.9	1151.3
67.5°	1038.6	1035.9	1025.2	995.7	1014.4
70°	904.4	904.4	885.6	850.7	874.9
72.5°	759.5	767.5	743.4	719.2	743.4
75°	625.3	617.3	603.8	582.4	606.5
77.5°	496.5	483.1	467.0	456.2	469.7
80°	362.3	354.3	335.5	335.5	343.5
82.5°	246.9	238.9	225.4	228.1	217.4
85°	136.9	128.8	131.5	131.5	118.1
87.5°	56.4	56.4	56.4	51.0	45.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)