

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: P567201

Luminaire Tested: **8SNX-102SL-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567201
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-102SL-UNV-L950-CD
Description: 8FT 10200 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

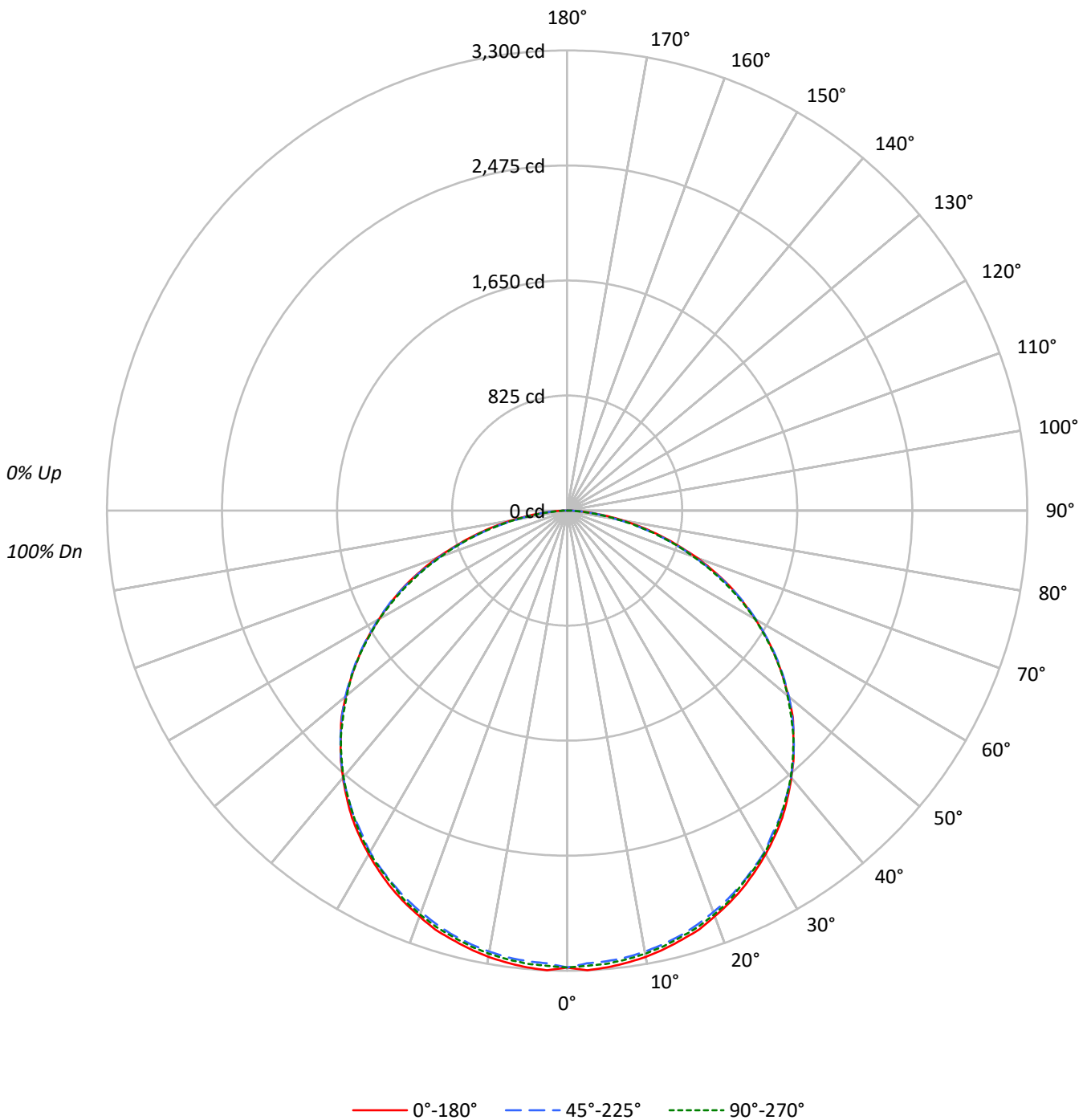
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9797.0 lumens
Efficiency: N/A
Efficacy: 140.0 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): 70
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°	17635	17635	17635
5°	17766	17527	17622
10°	17762	17552	17633
15°	17748	17567	17633
20°	17737	17551	17652
25°	17725	17550	17585
30°	17689	17579	17616
35°	17675	17540	17559
40°	17575	17555	17535
45°	17471	17493	17471
50°	17343	17393	17270
55°	17114	17169	17087
60°	16778	16841	16746
65°	16436	16323	16098
70°	15626	15301	15116
75°	14277	13787	13847
80°	12329	11415	11691
85°	9281	8917	8003



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	310.8	3.2
10°-20°	895.7	9.1
20°-30°	1370.4	14.0
30°-40°	1675.6	17.1
40°-50°	1772.5	18.1
50°-60°	1633.1	16.7
60°-70°	1258.5	12.8
70°-80°	705.1	7.2
80°-90°	175.3	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°	2576.9	26.3
0°-40°	4252.5	43.4
0°-60°	7658.2	78.2
0°-90°	9797.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9797.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3277	3277	3277	3277	3277	
5°	3288	3277	3244	3277	3262	313
15°	3185	3179	3153	3179	3165	900
25°	2985	2979	2955	2979	2961	1376
35°	2690	2684	2670	2678	2672	1681
45°	2295	2304	2298	2295	2295	1773
55°	1824	1839	1830	1830	1821	1629
65°	1291	1291	1282	1249	1264	1269
75°	687	678	663	639	666	728
85°	150	141	144	144	130	186
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3276.6	3276.6	3276.6	3276.6	3276.6
2.5°	3300.2	3285.4	3250.1	3282.5	3267.8
5°	3288.4	3276.6	3244.2	3276.6	3261.9
7.5°	3270.7	3261.9	3232.4	3261.9	3247.1
10°	3250.1	3241.2	3211.8	3241.2	3226.5
12.5°	3220.6	3214.7	3185.3	3214.7	3200.0
15°	3185.3	3179.4	3152.8	3179.4	3164.6
17.5°	3149.9	3138.1	3111.6	3141.1	3129.3
20°	3096.9	3091.0	3064.4	3091.0	3082.1
22.5°	3043.8	3037.9	3014.4	3037.9	3032.0
25°	2984.9	2979.0	2955.4	2979.0	2961.3
27.5°	2917.1	2920.1	2893.5	2908.3	2899.4
30°	2846.4	2846.4	2828.7	2834.6	2834.6
32.5°	2769.8	2769.8	2743.3	2760.9	2758.0
35°	2690.2	2684.3	2669.6	2678.4	2672.5
37.5°	2595.9	2593.0	2584.2	2590.0	2584.2
40°	2501.6	2504.6	2498.7	2495.8	2495.8
42.5°	2404.4	2410.3	2401.5	2398.5	2395.6
45°	2295.4	2304.2	2298.3	2295.4	2295.4
47.5°	2195.2	2198.2	2189.3	2186.4	2177.5
50°	2071.4	2083.2	2077.3	2071.4	2062.6
52.5°	1947.7	1965.4	1953.6	1947.7	1947.7
55°	1823.9	1838.7	1829.8	1829.8	1821.0
57.5°	1694.3	1709.0	1697.2	1697.2	1685.4
60°	1558.7	1573.5	1564.6	1555.8	1555.8
62.5°	1423.2	1435.0	1432.0	1417.3	1408.5
65°	1290.6	1290.6	1281.8	1249.4	1264.1
67.5°	1140.3	1137.4	1125.6	1093.2	1113.8
70°	993.0	993.0	972.4	934.1	960.6
72.5°	833.9	842.7	816.2	789.7	816.2
75°	686.6	677.7	663.0	639.4	665.9
77.5°	545.1	530.4	512.7	500.9	515.7
80°	397.8	388.9	368.3	368.3	377.2
82.5°	271.1	262.2	247.5	250.5	238.7
85°	150.3	141.4	144.4	144.4	129.6
87.5°	61.9	61.9	61.9	56.0	50.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)