

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: P567199

Luminaire Tested: **8SNX-102SL-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567199
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-L935-CD
Description: 8FT 10200 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

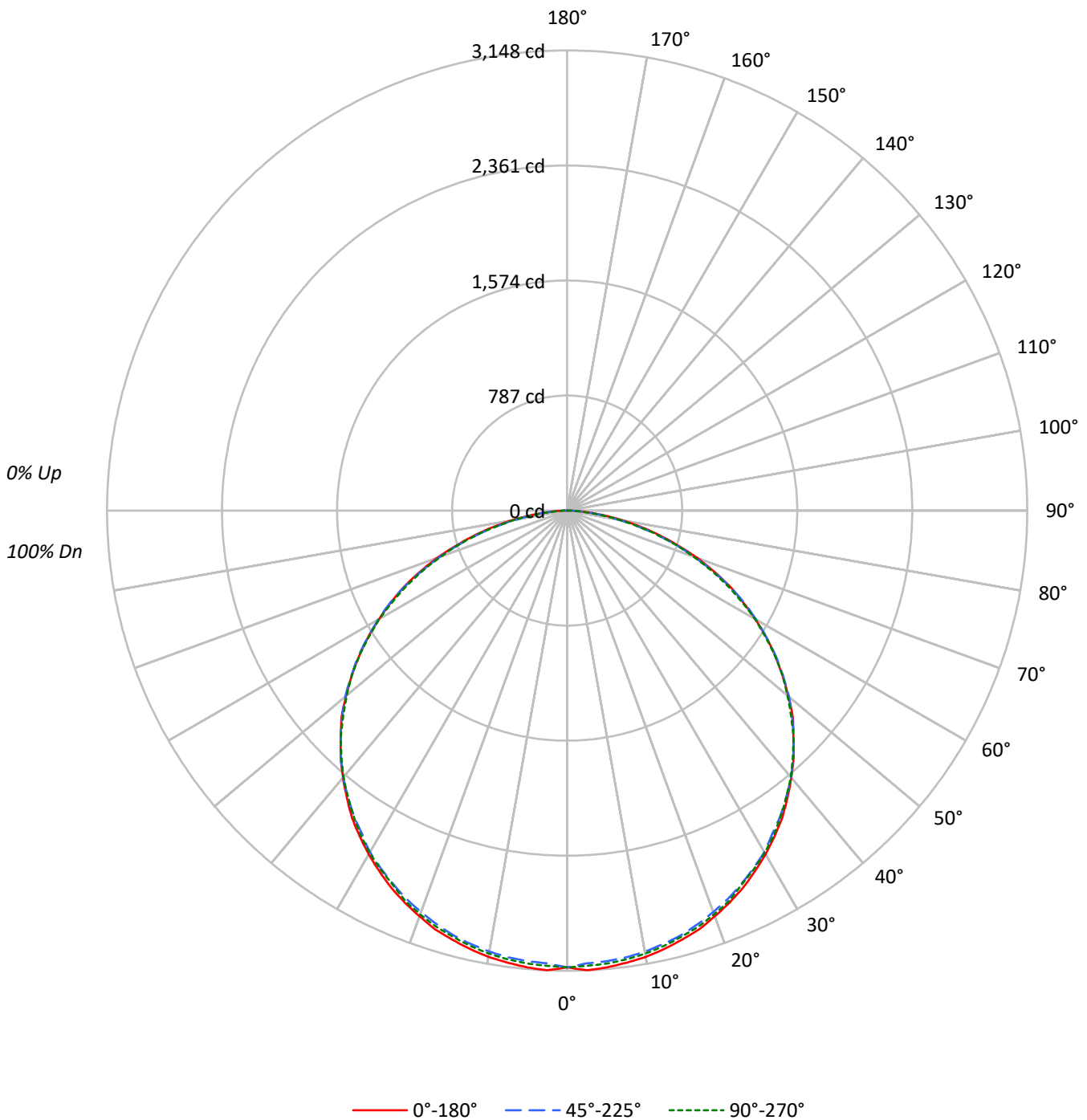
Lumens per Lamp: N/A
Luminaire Lumens: 9344.0 lumens
Efficiency: N/A
Efficacy: 133.5 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')
CIE Type: Direct

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°	16819	16819	16819
5°	16944	16716	16807
10°	16940	16741	16817
15°	16927	16755	16817
20°	16917	16739	16836
25°	16906	16739	16772
30°	16871	16766	16801
35°	16858	16729	16747
40°	16763	16744	16724
45°	16663	16685	16663
50°	16542	16589	16471
55°	16323	16375	16297
60°	16003	16063	15973
65°	15675	15568	15353
70°	14903	14593	14417
75°	13616	13148	13206
80°	11759	10888	11148
85°	8849	8503	7639



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	296.5	3.2
10°-20°	854.3	9.1
20°-30°	1307.1	14.0
30°-40°	1598.1	17.1
40°-50°	1690.5	18.1
50°-60°	1557.6	16.7
60°-70°	1200.3	12.8
70°-80°	672.5	7.2
80°-90°	167.2	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°	2457.8	26.3
0°-40°	4055.9	43.4
0°-60°	7304.1	78.2
0°-90°	9344.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9344.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3125	3125	3125	3125	3125	
5°	3136	3125	3094	3125	3111	298
15°	3038	3032	3007	3032	3018	858
25°	2847	2841	2819	2841	2824	1312
35°	2566	2560	2546	2555	2549	1603
45°	2189	2198	2192	2189	2189	1691
55°	1740	1754	1745	1745	1737	1553
65°	1231	1231	1222	1192	1206	1211
75°	655	646	632	610	635	694
85°	143	135	138	138	124	177
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3125.1	3125.1	3125.1	3125.1	3125.1
2.5°	3147.6	3133.5	3099.8	3130.7	3116.7
5°	3136.3	3125.1	3094.2	3125.1	3111.0
7.5°	3119.5	3111.0	3082.9	3111.0	3097.0
10°	3099.8	3091.4	3063.3	3091.4	3077.3
12.5°	3071.7	3066.1	3038.0	3066.1	3052.0
15°	3038.0	3032.4	3007.1	3032.4	3018.3
17.5°	3004.2	2993.0	2967.7	2995.8	2984.6
20°	2953.7	2948.0	2922.7	2948.0	2939.6
22.5°	2903.1	2897.5	2875.0	2897.5	2891.8
25°	2846.9	2841.2	2818.8	2841.2	2824.4
27.5°	2782.2	2785.0	2759.8	2773.8	2765.4
30°	2714.8	2714.8	2697.9	2703.5	2703.5
32.5°	2641.7	2641.7	2616.4	2633.3	2630.5
35°	2565.8	2560.2	2546.2	2554.6	2549.0
37.5°	2475.9	2473.1	2464.7	2470.3	2464.7
40°	2386.0	2388.8	2383.2	2380.4	2380.4
42.5°	2293.2	2298.9	2290.4	2287.6	2284.8
45°	2189.3	2197.7	2192.1	2189.3	2189.3
47.5°	2093.7	2096.5	2088.1	2085.3	2076.8
50°	1975.7	1986.9	1981.3	1975.7	1967.2
52.5°	1857.6	1874.5	1863.3	1857.6	1857.6
55°	1739.6	1753.6	1745.2	1745.2	1736.8
57.5°	1615.9	1630.0	1618.8	1618.8	1607.5
60°	1486.7	1500.7	1492.3	1483.9	1483.9
62.5°	1357.4	1368.6	1365.8	1351.8	1343.3
65°	1230.9	1230.9	1222.5	1191.6	1205.6
67.5°	1087.6	1084.8	1073.5	1042.6	1062.3
70°	947.1	947.1	927.4	890.9	916.2
72.5°	795.3	803.8	778.5	753.2	778.5
75°	654.8	646.4	632.3	609.8	635.1
77.5°	519.9	505.9	489.0	477.8	491.8
80°	379.4	371.0	351.3	351.3	359.7
82.5°	258.6	250.1	236.1	238.9	227.6
85°	143.3	134.9	137.7	137.7	123.7
87.5°	59.0	59.0	59.0	53.4	47.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)