

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: P567200

Luminaire Tested: **8SNX-102SL-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567200
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-L940-CD
Description: 8FT 10200 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

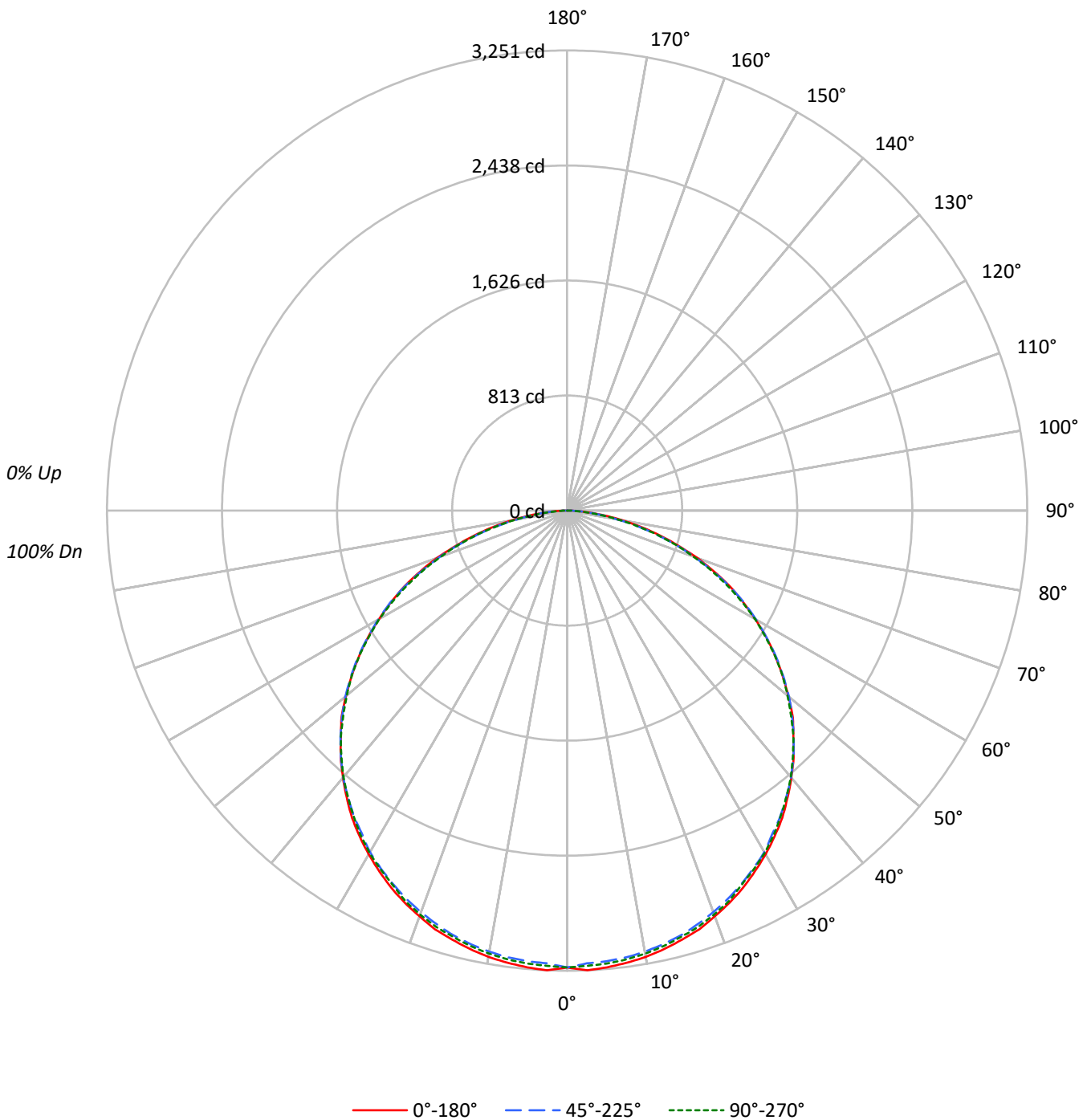
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9651.0 lumens
Efficiency: N/A
Efficacy: 137.9 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): 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

TEST NUMBER: P567200
CATALOG NUMBER: 8SNX-102SL-UNV-L940-CD

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	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					100			
1	109	104	99	95	106	101	98	94	97	94	91	93	91	88	90	88	86	83					83			
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69					69			
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58					58			
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49					49			
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42					42			
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37					37			
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33					33			
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29					29			
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26					26			
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23					23			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	17372	17372	17372
5°	17501	17265	17360
10°	17497	17291	17370
15°	17483	17305	17370
20°	17472	17290	17389
25°	17461	17289	17323
30°	17426	17317	17354
35°	17412	17278	17297
40°	17314	17294	17273
45°	17211	17233	17211
50°	17086	17134	17013
55°	16860	16914	16832
60°	16528	16590	16497
65°	16191	16080	15857
70°	15393	15073	14891
75°	14063	13581	13641
80°	12146	11244	11514
85°	9139	8781	7886



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	306.2	3.2
10°-20°	882.3	9.1
20°-30°	1350.0	14.0
30°-40°	1650.6	17.1
40°-50°	1746.1	18.1
50°-60°	1608.8	16.7
60°-70°	1239.7	12.8
70°-80°	694.6	7.2
80°-90°	172.6	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°	2538.5	26.3
0°-40°	4189.2	43.4
0°-60°	7544.1	78.2
0°-90°	9651.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9651.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3228	3228	3228	3228	3228	
5°	3239	3228	3196	3228	3213	308
15°	3138	3132	3106	3132	3118	887
25°	2940	2935	2911	2935	2917	1355
35°	2650	2644	2630	2638	2633	1656
45°	2261	2270	2264	2261	2261	1747
55°	1797	1811	1803	1803	1794	1604
65°	1271	1271	1263	1231	1245	1251
75°	676	668	653	630	656	717
85°	148	139	142	142	128	183
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3227.8	3227.8	3227.8	3227.8	3227.8
2.5°	3251.0	3236.5	3201.6	3233.6	3219.1
5°	3239.4	3227.8	3195.8	3227.8	3213.3
7.5°	3222.0	3213.3	3184.2	3213.3	3198.7
10°	3201.6	3192.9	3163.9	3192.9	3178.4
12.5°	3172.6	3166.8	3137.8	3166.8	3152.3
15°	3137.8	3132.0	3105.9	3132.0	3117.5
17.5°	3103.0	3091.3	3065.2	3094.2	3082.6
20°	3050.7	3044.9	3018.8	3044.9	3036.2
22.5°	2998.5	2992.7	2969.4	2992.7	2986.8
25°	2940.4	2934.6	2911.4	2934.6	2917.2
27.5°	2873.6	2876.5	2850.4	2864.9	2856.2
30°	2804.0	2804.0	2786.6	2792.4	2792.4
32.5°	2728.5	2728.5	2702.4	2719.8	2716.9
35°	2650.1	2644.3	2629.8	2638.5	2632.7
37.5°	2557.3	2554.4	2545.6	2551.4	2545.6
40°	2464.4	2467.3	2461.5	2458.6	2458.6
42.5°	2368.6	2374.4	2365.7	2362.8	2359.9
45°	2261.2	2269.9	2264.1	2261.2	2261.2
47.5°	2162.5	2165.4	2156.7	2153.8	2145.1
50°	2040.6	2052.2	2046.4	2040.6	2031.9
52.5°	1918.7	1936.1	1924.5	1918.7	1918.7
55°	1796.8	1811.3	1802.6	1802.6	1793.9
57.5°	1669.0	1683.5	1671.9	1671.9	1660.3
60°	1535.5	1550.0	1541.3	1532.6	1532.6
62.5°	1402.0	1413.6	1410.7	1396.2	1387.5
65°	1271.4	1271.4	1262.7	1230.7	1245.2
67.5°	1123.3	1120.4	1108.8	1076.9	1097.2
70°	978.2	978.2	957.9	920.1	946.3
72.5°	821.5	830.2	804.0	777.9	804.0
75°	676.3	667.6	653.1	629.9	656.0
77.5°	537.0	522.5	505.1	493.5	508.0
80°	391.9	383.2	362.8	362.8	371.5
82.5°	267.0	258.3	243.8	246.7	235.1
85°	148.0	139.3	142.2	142.2	127.7
87.5°	61.0	61.0	61.0	55.2	49.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)