

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: P568109

Luminaire Tested: **8SNX-90SL-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568109
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-L850-CD
Description: 8FT 9000 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

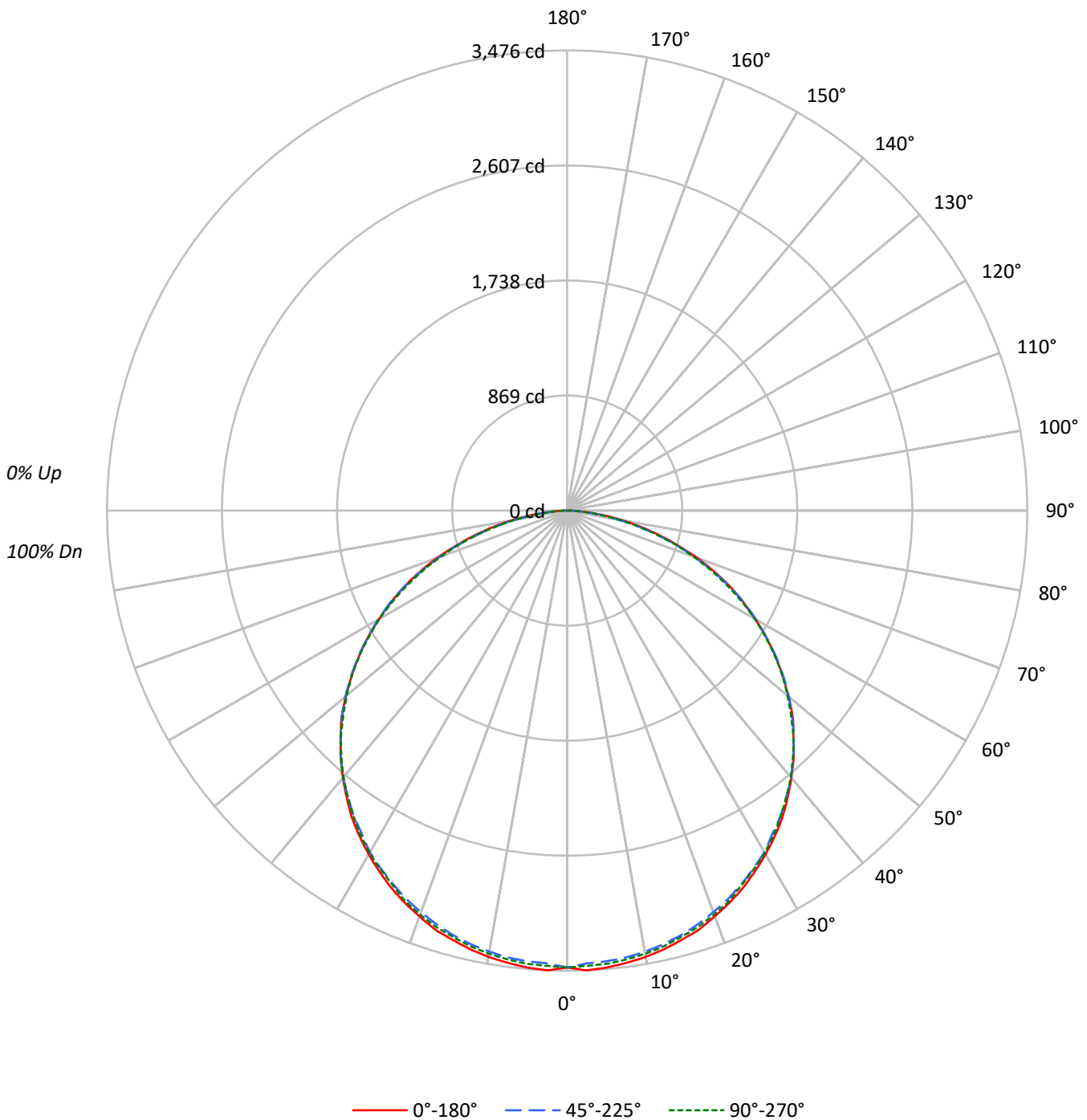
Lumens per Lamp: N/A
Luminaire Lumens: 10320.0 lumens
Efficiency: N/A
Efficacy: 173.2 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P568109

CATALOG NUMBER: 8SNX-90SL-UNV-L850-CD

Luminous Intensity Polar Plot





TEST NUMBER: P568109

CATALOG NUMBER: 8SNX-90SL-UNV-L850-CD

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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	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°	18576	18576	18576
5°	18714	18463	18563
10°	18710	18489	18574
15°	18695	18505	18574
20°	18684	18488	18595
25°	18671	18487	18524
30°	18633	18517	18556
35°	18619	18476	18496
40°	18514	18492	18470
45°	18403	18427	18403
50°	18270	18321	18192
55°	18028	18086	17999
60°	17674	17741	17640
65°	17313	17195	16958
70°	16460	16118	15923
75°	15038	14523	14587
80°	12986	12025	12314
85°	9775	9392	8435



TEST NUMBER: P568109

CATALOG NUMBER: 8SNX-90SL-UNV-L850-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	327.4	3.2
10°-20°	943.5	9.1
20°-30°	1443.6	14.0
30°-40°	1765.0	17.1
40°-50°	1867.1	18.1
50°-60°	1720.3	16.7
60°-70°	1325.6	12.8
70°-80°	742.8	7.2
80°-90°	184.6	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°	2714.5	26.3
0°-40°	4479.5	43.4
0°-60°	8067.0	78.2
0°-90°	10320.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10320.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3452	3452	3452	3452	3452	
5°	3464	3452	3417	3452	3436	329
15°	3355	3349	3321	3349	3334	948
25°	3144	3138	3113	3138	3119	1449
35°	2834	2828	2812	2821	2815	1771
45°	2418	2427	2421	2418	2418	1868
55°	1921	1937	1928	1928	1918	1716
65°	1360	1360	1350	1316	1332	1337
75°	723	714	698	674	702	767
85°	158	149	152	152	137	195
90°	0	0	0	0	0	



TEST NUMBER: P568109

CATALOG NUMBER: 8SNX-90SL-UNV-L850-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3451.5	3451.5	3451.5	3451.5	3451.5
2.5°	3476.3	3460.8	3423.6	3457.7	3442.2
5°	3463.9	3451.5	3417.4	3451.5	3436.0
7.5°	3445.3	3436.0	3405.0	3436.0	3420.5
10°	3423.6	3414.3	3383.2	3414.3	3398.8
12.5°	3392.5	3386.3	3355.3	3386.3	3370.8
15°	3355.3	3349.1	3321.2	3349.1	3333.6
17.5°	3318.0	3305.6	3277.7	3308.7	3296.3
20°	3262.2	3256.0	3228.0	3256.0	3246.7
22.5°	3206.3	3200.1	3175.3	3200.1	3193.9
25°	3144.2	3138.0	3113.2	3138.0	3119.4
27.5°	3072.8	3075.9	3048.0	3063.5	3054.2
30°	2998.3	2998.3	2979.7	2985.9	2985.9
32.5°	2917.6	2917.6	2889.7	2908.3	2905.2
35°	2833.8	2827.6	2812.1	2821.4	2815.2
37.5°	2734.5	2731.4	2722.1	2728.3	2722.1
40°	2635.2	2638.3	2632.1	2629.0	2629.0
42.5°	2532.8	2539.0	2529.7	2526.6	2523.5
45°	2417.9	2427.2	2421.0	2417.9	2417.9
47.5°	2312.4	2315.5	2306.2	2303.1	2293.8
50°	2182.0	2194.4	2188.2	2182.0	2172.7
52.5°	2051.7	2070.3	2057.9	2051.7	2051.7
55°	1921.3	1936.8	1927.5	1927.5	1918.2
57.5°	1784.7	1800.3	1787.8	1787.8	1775.4
60°	1642.0	1657.5	1648.2	1638.8	1638.8
62.5°	1499.2	1511.6	1508.5	1493.0	1483.7
65°	1359.5	1359.5	1350.2	1316.0	1331.6
67.5°	1201.2	1198.1	1185.7	1151.5	1173.3
70°	1046.0	1046.0	1024.3	983.9	1011.9
72.5°	878.4	887.7	859.8	831.8	859.8
75°	723.2	713.9	698.4	673.5	701.5
77.5°	574.2	558.7	540.1	527.7	543.2
80°	419.0	409.7	388.0	388.0	397.3
82.5°	285.6	276.2	260.7	263.8	251.4
85°	158.3	149.0	152.1	152.1	136.6
87.5°	65.2	65.2	65.2	59.0	52.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)