

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: P568061

Luminaire Tested: **8SNX-82SL-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568061
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-82SL-UNV-L850-CD
Description: 8FT 8200 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

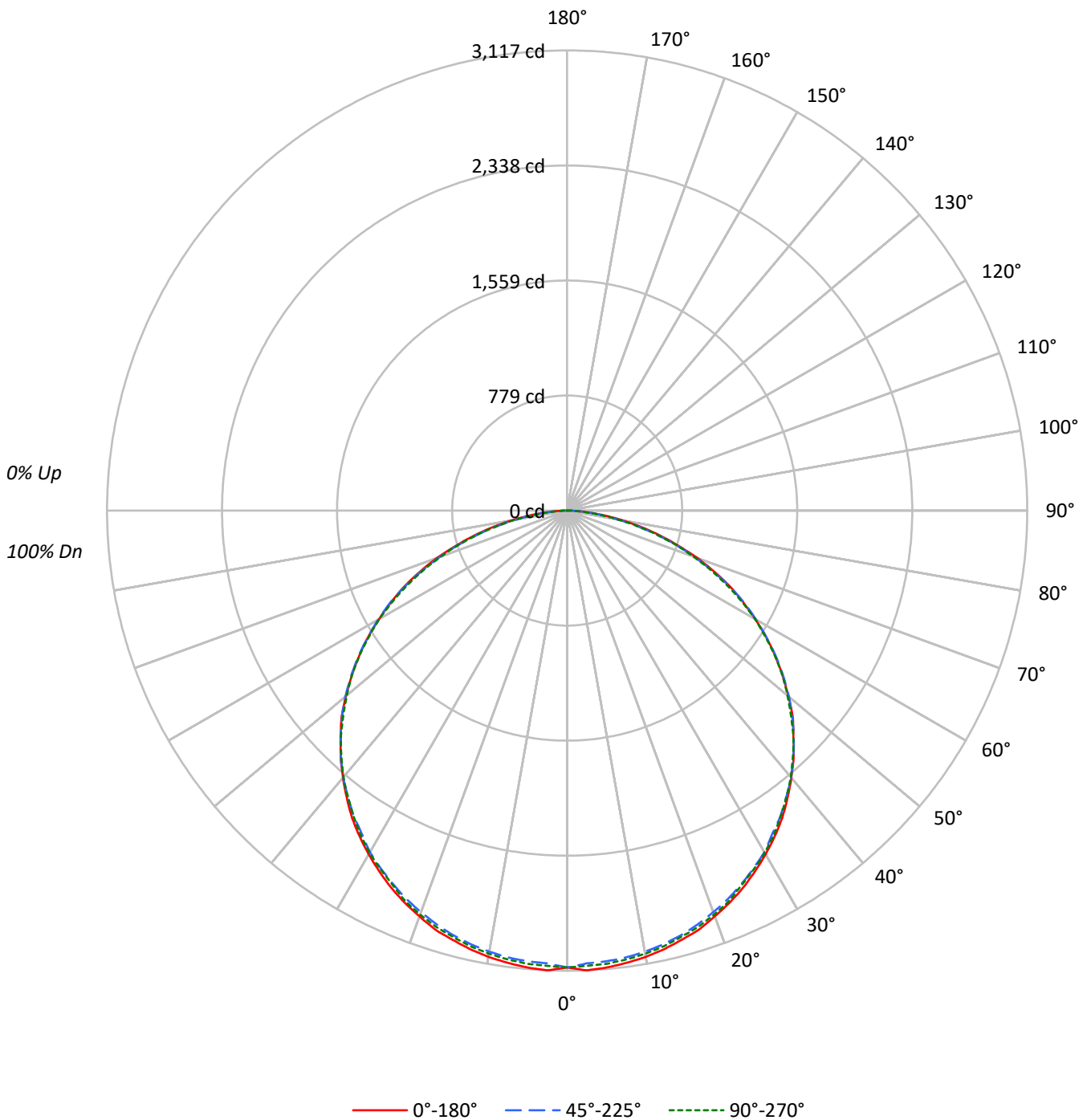
Lumens per Lamp: N/A
Luminaire Lumens: 9254.0 lumens
Efficiency: N/A
Efficacy: 175.9 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')
CIE Type: Direct

Input Watts (W): 52.6
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: P568061

CATALOG NUMBER: 8SNX-82SL-UNV-L850-CD

Luminous Intensity Polar Plot





TEST NUMBER: P568061

CATALOG NUMBER: 8SNX-82SL-UNV-L850-CD

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°	16657	16657	16657
5°	16781	16555	16646
10°	16777	16580	16656
15°	16764	16593	16655
20°	16754	16578	16674
25°	16743	16577	16611
30°	16708	16605	16639
35°	16695	16567	16586
40°	16602	16582	16562
45°	16503	16523	16503
50°	16382	16429	16313
55°	16165	16218	16140
60°	15848	15908	15819
65°	15525	15418	15205
70°	14760	14453	14277
75°	13485	13021	13080
80°	11644	10783	11043
85°	8762	8423	7565



TEST NUMBER: P568061

CATALOG NUMBER: 8SNX-82SL-UNV-L850-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	293.6	3.2
10°-20°	846.0	9.1
20°-30°	1294.5	14.0
30°-40°	1582.7	17.1
40°-50°	1674.2	18.1
50°-60°	1542.6	16.7
60°-70°	1188.7	12.8
70°-80°	666.0	7.2
80°-90°	165.5	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°	2434.1	26.3
0°-40°	4016.8	43.4
0°-60°	7233.7	78.2
0°-90°	9254.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9254.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3095	3095	3095	3095	3095	
5°	3106	3095	3064	3095	3081	295
15°	3009	3003	2978	3003	2989	850
25°	2819	2814	2792	2814	2797	1299
35°	2541	2536	2522	2530	2524	1588
45°	2168	2176	2171	2168	2168	1675
55°	1723	1737	1728	1728	1720	1538
65°	1219	1219	1211	1180	1194	1199
75°	648	640	626	604	629	688
85°	142	134	136	136	122	175
90°	0	0	0	0	0	



TEST NUMBER: P568061

CATALOG NUMBER: 8SNX-82SL-UNV-L850-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3095.0	3095.0	3095.0	3095.0	3095.0
2.5°	3117.3	3103.3	3069.9	3100.6	3086.6
5°	3106.1	3095.0	3064.4	3095.0	3081.1
7.5°	3089.4	3081.1	3053.2	3081.1	3067.2
10°	3069.9	3061.6	3033.8	3061.6	3047.7
12.5°	3042.1	3036.5	3008.7	3036.5	3022.6
15°	3008.7	3003.1	2978.1	3003.1	2989.2
17.5°	2975.3	2964.2	2939.1	2967.0	2955.8
20°	2925.2	2919.6	2894.6	2919.6	2911.3
22.5°	2875.1	2869.5	2847.3	2869.5	2864.0
25°	2819.4	2813.9	2791.6	2813.9	2797.2
27.5°	2755.4	2758.2	2733.2	2747.1	2738.7
30°	2688.6	2688.6	2671.9	2677.5	2677.5
32.5°	2616.3	2616.3	2591.2	2607.9	2605.1
35°	2541.1	2535.6	2521.6	2530.0	2524.4
37.5°	2452.1	2449.3	2440.9	2446.5	2440.9
40°	2363.0	2365.8	2360.2	2357.4	2357.4
42.5°	2271.1	2276.7	2268.4	2265.6	2262.8
45°	2168.2	2176.5	2170.9	2168.2	2168.2
47.5°	2073.5	2076.3	2068.0	2065.2	2056.8
50°	1956.6	1967.8	1962.2	1956.6	1948.3
52.5°	1839.7	1856.4	1845.3	1839.7	1839.7
55°	1722.8	1736.8	1728.4	1728.4	1720.1
57.5°	1600.4	1614.3	1603.2	1603.2	1592.0
60°	1472.3	1486.3	1477.9	1469.6	1469.6
62.5°	1344.3	1355.5	1352.7	1338.8	1330.4
65°	1219.1	1219.1	1210.7	1180.1	1194.0
67.5°	1077.1	1074.3	1063.2	1032.6	1052.1
70°	938.0	938.0	918.5	882.3	907.3
72.5°	787.7	796.0	771.0	745.9	771.0
75°	648.5	640.2	626.2	604.0	629.0
77.5°	514.9	501.0	484.3	473.2	487.1
80°	375.7	367.4	347.9	347.9	356.3
82.5°	256.1	247.7	233.8	236.6	225.4
85°	141.9	133.6	136.4	136.4	122.5
87.5°	58.4	58.4	58.4	52.9	47.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)