

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: P568062

Luminaire Tested: **8SNX-82SL-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568062
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-L930-CD
Description: 8FT 8200 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

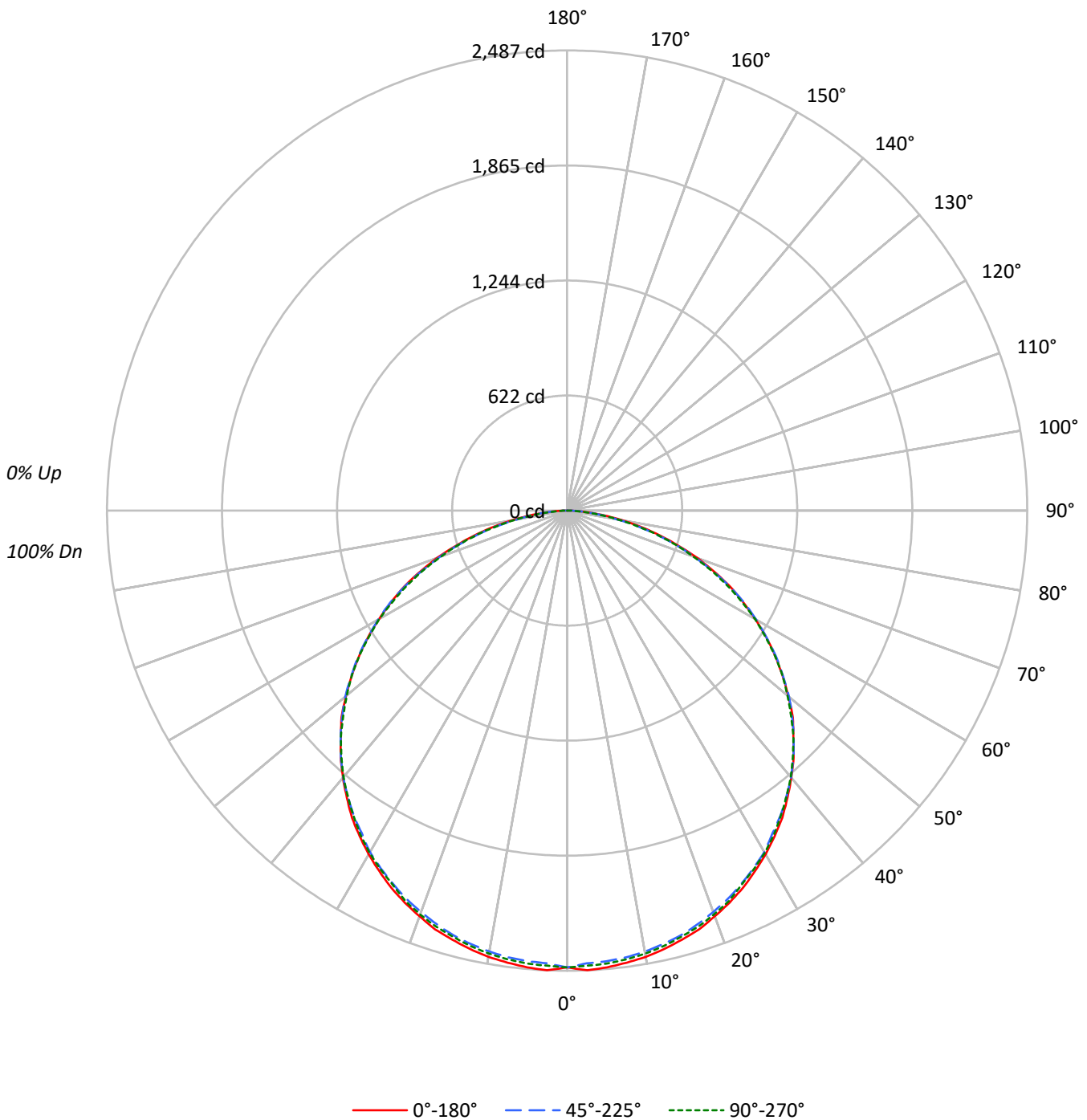
Lumens per Lamp: N/A
Luminaire Lumens: 7382.0 lumens
Efficiency: N/A
Efficacy: 140.3 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')
CIE Type: Direct

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

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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°	13288	13288	13288
5°	13386	13206	13278
10°	13383	13226	13286
15°	13373	13237	13286
20°	13365	13224	13301
25°	13356	13224	13250
30°	13328	13246	13274
35°	13318	13216	13231
40°	13243	13228	13212
45°	13164	13181	13164
50°	13068	13106	13013
55°	12895	12937	12875
60°	12642	12690	12619
65°	12385	12299	12130
70°	11774	11530	11390
75°	10757	10389	10435
80°	9289	8601	8808
85°	6990	6719	6033



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	234.2	3.2
10°-20°	674.9	9.1
20°-30°	1032.6	14.0
30°-40°	1262.6	17.1
40°-50°	1335.6	18.1
50°-60°	1230.6	16.7
60°-70°	948.2	12.8
70°-80°	531.3	7.2
80°-90°	132.0	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°	1941.7	26.3
0°-40°	3204.3	43.4
0°-60°	5770.4	78.2
0°-90°	7382.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7382.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2469	2469	2469	2469	2469	
5°	2478	2469	2444	2469	2458	236
15°	2400	2396	2376	2396	2384	678
25°	2249	2245	2227	2245	2231	1037
35°	2027	2023	2012	2018	2014	1267
45°	1730	1736	1732	1730	1730	1336
55°	1374	1385	1379	1379	1372	1227
65°	972	972	966	941	952	957
75°	517	511	500	482	502	548
85°	113	107	109	109	98	140
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2468.9	2468.9	2468.9	2468.9	2468.9
2.5°	2486.7	2475.6	2448.9	2473.3	2462.2
5°	2477.8	2468.9	2444.5	2468.9	2457.8
7.5°	2464.5	2457.8	2435.6	2457.8	2446.7
10°	2448.9	2442.3	2420.1	2442.3	2431.2
12.5°	2426.7	2422.3	2400.1	2422.3	2411.2
15°	2400.1	2395.6	2375.7	2395.6	2384.5
17.5°	2373.4	2364.6	2344.6	2366.8	2357.9
20°	2333.5	2329.0	2309.0	2329.0	2322.4
22.5°	2293.5	2289.1	2271.3	2289.1	2284.6
25°	2249.1	2244.7	2226.9	2244.7	2231.3
27.5°	2198.0	2200.3	2180.3	2191.4	2184.7
30°	2144.7	2144.7	2131.4	2135.9	2135.9
32.5°	2087.0	2087.0	2067.0	2080.4	2078.1
35°	2027.1	2022.6	2011.5	2018.2	2013.8
37.5°	1956.0	1953.8	1947.1	1951.6	1947.1
40°	1885.0	1887.2	1882.8	1880.5	1880.5
42.5°	1811.7	1816.2	1809.5	1807.3	1805.1
45°	1729.6	1736.2	1731.8	1729.6	1729.6
47.5°	1654.1	1656.3	1649.6	1647.4	1640.8
50°	1560.8	1569.7	1565.3	1560.8	1554.2
52.5°	1467.6	1480.9	1472.0	1467.6	1467.6
55°	1374.3	1385.4	1378.8	1378.8	1372.1
57.5°	1276.6	1287.7	1278.9	1278.9	1270.0
60°	1174.5	1185.6	1178.9	1172.3	1172.3
62.5°	1072.4	1081.3	1079.0	1067.9	1061.3
65°	972.5	972.5	965.8	941.4	952.5
67.5°	859.2	857.0	848.1	823.7	839.2
70°	748.2	748.2	732.7	703.8	723.8
72.5°	628.3	635.0	615.0	595.0	615.0
75°	517.3	510.7	499.6	481.8	501.8
77.5°	410.7	399.6	386.3	377.4	388.5
80°	299.7	293.1	277.5	277.5	284.2
82.5°	204.3	197.6	186.5	188.7	179.8
85°	113.2	106.6	108.8	108.8	97.7
87.5°	46.6	46.6	46.6	42.2	37.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)