

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: P568065

Luminaire Tested: **8SNX-82SL-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568065
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-L950-CD
Description: 8FT 8200 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

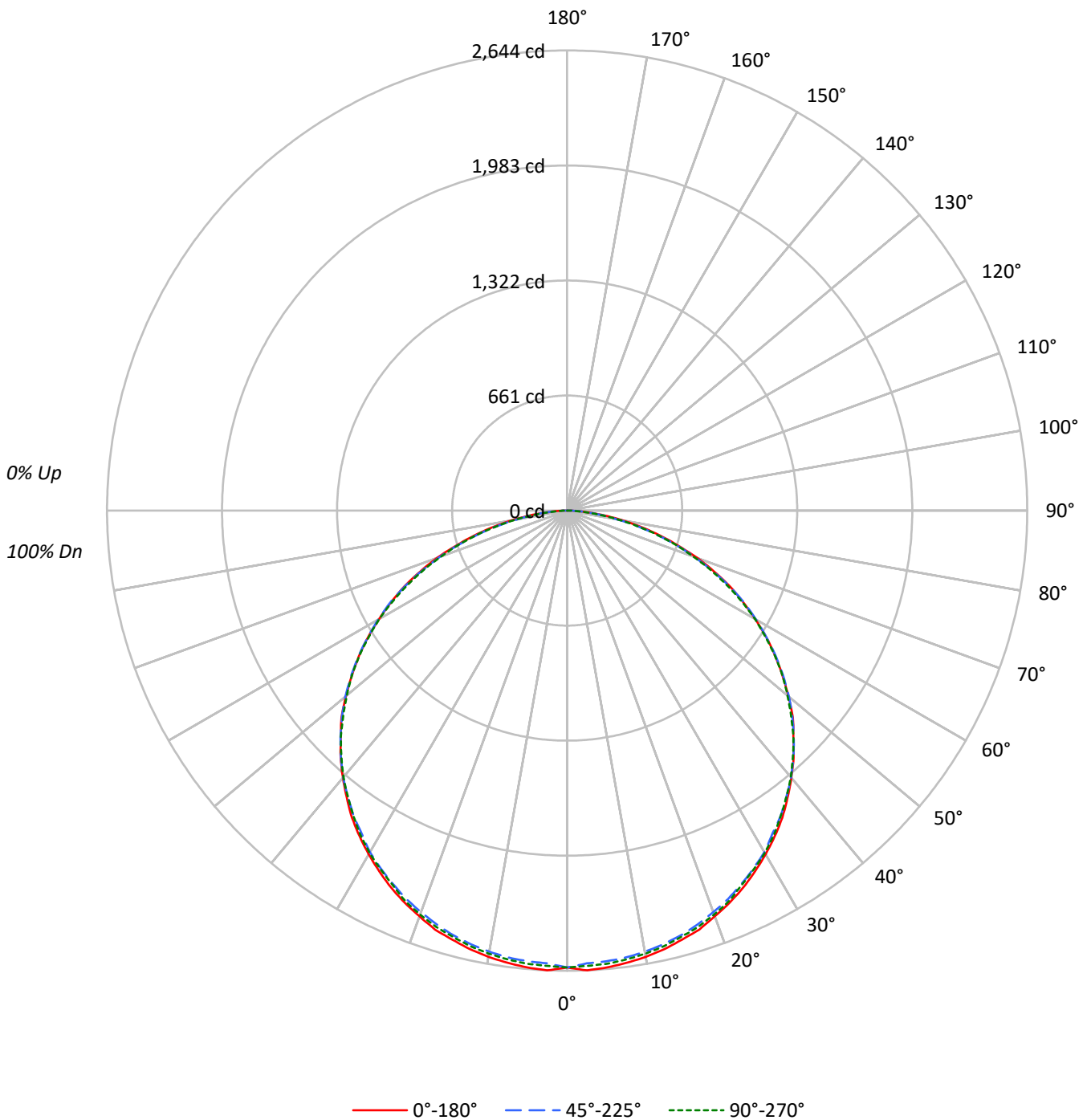
Lumens per Lamp: N/A
Luminaire Lumens: 7850.0 lumens
Efficiency: N/A
Efficacy: 149.2 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')
CIE Type: Direct

Input Watts (W): 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°	14130	14130	14130
5°	14235	14044	14120
10°	14232	14064	14129
15°	14220	14076	14128
20°	14212	14063	14144
25°	14203	14063	14090
30°	14174	14086	14115
35°	14163	14054	14069
40°	14083	14066	14050
45°	13999	14017	13999
50°	13897	13937	13838
55°	13713	13758	13691
60°	13444	13495	13418
65°	13169	13079	12899
70°	12521	12260	12112
75°	11439	11046	11096
80°	9878	9146	9366
85°	7435	7145	6416



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	249.1	3.2
10°-20°	717.7	9.1
20°-30°	1098.1	14.0
30°-40°	1342.6	17.1
40°-50°	1420.2	18.1
50°-60°	1308.6	16.7
60°-70°	1008.4	12.8
70°-80°	565.0	7.2
80°-90°	140.4	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°	2064.8	26.3
0°-40°	3407.4	43.4
0°-60°	6136.2	78.2
0°-90°	7850.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7850.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2625	2625	2625	2625	2625	
5°	2635	2625	2600	2625	2614	250
15°	2552	2548	2526	2548	2536	721
25°	2392	2387	2368	2387	2373	1102
35°	2156	2151	2139	2146	2141	1347
45°	1839	1846	1842	1839	1839	1421
55°	1462	1473	1466	1466	1459	1305
65°	1034	1034	1027	1001	1013	1017
75°	550	543	531	512	534	583
85°	120	113	116	116	104	149
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2625.4	2625.4	2625.4	2625.4	2625.4
2.5°	2644.3	2632.5	2604.2	2630.1	2618.3
5°	2634.9	2625.4	2599.5	2625.4	2613.6
7.5°	2620.7	2613.6	2590.0	2613.6	2601.8
10°	2604.2	2597.1	2573.5	2597.1	2585.3
12.5°	2580.6	2575.8	2552.2	2575.8	2564.0
15°	2552.2	2547.5	2526.3	2547.5	2535.7
17.5°	2523.9	2514.5	2493.2	2516.8	2507.4
20°	2481.4	2476.7	2455.4	2476.7	2469.6
22.5°	2438.9	2434.2	2415.3	2434.2	2429.5
25°	2391.7	2387.0	2368.1	2387.0	2372.8
27.5°	2337.4	2339.7	2318.5	2330.3	2323.2
30°	2280.7	2280.7	2266.6	2271.3	2271.3
32.5°	2219.3	2219.3	2198.1	2212.3	2209.9
35°	2155.6	2150.9	2139.1	2146.1	2141.4
37.5°	2080.0	2077.7	2070.6	2075.3	2070.6
40°	2004.5	2006.8	2002.1	1999.8	1999.8
42.5°	1926.6	1931.3	1924.2	1921.9	1919.5
45°	1839.2	1846.3	1841.6	1839.2	1839.2
47.5°	1758.9	1761.3	1754.2	1751.9	1744.8
50°	1659.8	1669.2	1664.5	1659.8	1652.7
52.5°	1560.6	1574.8	1565.3	1560.6	1560.6
55°	1461.5	1473.3	1466.2	1466.2	1459.1
57.5°	1357.6	1369.4	1359.9	1359.9	1350.5
60°	1249.0	1260.8	1253.7	1246.6	1246.6
62.5°	1140.4	1149.8	1147.4	1135.6	1128.6
65°	1034.1	1034.1	1027.0	1001.1	1012.9
67.5°	913.7	911.3	901.9	875.9	892.5
70°	795.7	795.7	779.1	748.4	769.7
72.5°	668.2	675.2	654.0	632.7	654.0
75°	550.1	543.0	531.2	512.3	533.6
77.5°	436.8	425.0	410.8	401.4	413.2
80°	318.7	311.7	295.1	295.1	302.2
82.5°	217.2	210.1	198.3	200.7	191.2
85°	120.4	113.3	115.7	115.7	103.9
87.5°	49.6	49.6	49.6	44.9	40.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)