

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: P568059

Luminaire Tested: **8SNX-82SL-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568059
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-L835-CD
Description: 8FT 8200 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

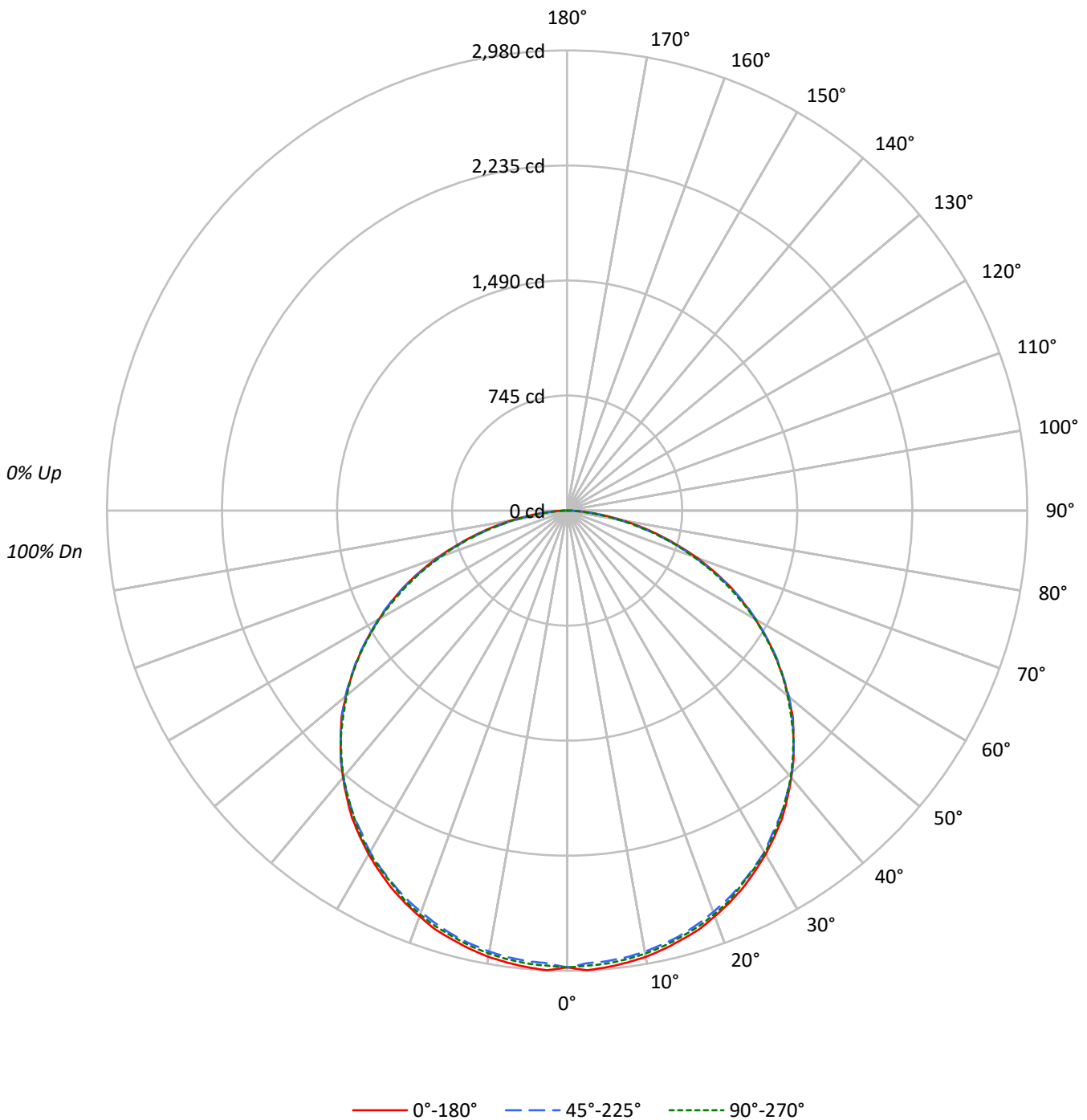
Lumens per Lamp: N/A
Luminaire Lumens: 8845.0 lumens
Efficiency: N/A
Efficacy: 168.2 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')
CIE Type: Direct

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°	15921	15921	15921
5°	16039	15823	15910
10°	16036	15847	15919
15°	16023	15860	15919
20°	16013	15846	15937
25°	16003	15845	15877
30°	15970	15871	15904
35°	15958	15835	15853
40°	15868	15849	15830
45°	15773	15793	15773
50°	15659	15703	15592
55°	15451	15501	15426
60°	15148	15205	15119
65°	14839	14737	14533
70°	14107	13814	13646
75°	12888	12447	12502
80°	11130	10305	10553
85°	8380	8052	7231



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	280.6	3.2
10°-20°	808.6	9.1
20°-30°	1237.3	14.0
30°-40°	1512.8	17.1
40°-50°	1600.3	18.1
50°-60°	1474.4	16.7
60°-70°	1136.2	12.8
70°-80°	636.6	7.2
80°-90°	158.2	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°	2326.5	26.3
0°-40°	3839.3	43.4
0°-60°	6914.0	78.2
0°-90°	8845.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8845.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2958	2958	2958	2958	2958	
5°	2969	2958	2929	2958	2945	282
15°	2876	2870	2846	2870	2857	812
25°	2695	2690	2668	2690	2674	1242
35°	2429	2424	2410	2418	2413	1518
45°	2072	2080	2075	2072	2072	1601
55°	1647	1660	1652	1652	1644	1470
65°	1165	1165	1157	1128	1141	1146
75°	620	612	599	577	601	657
85°	136	128	130	130	117	167
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2958.2	2958.2	2958.2	2958.2	2958.2
2.5°	2979.5	2966.2	2934.3	2963.5	2950.2
5°	2968.8	2958.2	2928.9	2958.2	2944.9
7.5°	2952.9	2944.9	2918.3	2944.9	2931.6
10°	2934.3	2926.3	2899.7	2926.3	2913.0
12.5°	2907.7	2902.3	2875.7	2902.3	2889.0
15°	2875.7	2870.4	2846.5	2870.4	2857.1
17.5°	2843.8	2833.2	2809.2	2835.8	2825.2
20°	2795.9	2790.6	2766.7	2790.6	2782.6
22.5°	2748.0	2742.7	2721.4	2742.7	2737.4
25°	2694.8	2689.5	2668.2	2689.5	2673.6
27.5°	2633.7	2636.3	2612.4	2625.7	2617.7
30°	2569.8	2569.8	2553.8	2559.2	2559.2
32.5°	2500.6	2500.6	2476.7	2492.7	2490.0
35°	2428.8	2423.5	2410.2	2418.2	2412.9
37.5°	2343.7	2341.0	2333.0	2338.4	2333.0
40°	2258.6	2261.2	2255.9	2253.2	2253.2
42.5°	2170.8	2176.1	2168.1	2165.4	2162.8
45°	2072.3	2080.3	2075.0	2072.3	2072.3
47.5°	1981.9	1984.6	1976.6	1973.9	1965.9
50°	1870.2	1880.8	1875.5	1870.2	1862.2
52.5°	1758.4	1774.4	1763.7	1758.4	1758.4
55°	1646.7	1660.0	1652.0	1652.0	1644.0
57.5°	1529.6	1542.9	1532.3	1532.3	1521.7
60°	1407.3	1420.6	1412.6	1404.6	1404.6
62.5°	1284.9	1295.5	1292.9	1279.6	1271.6
65°	1165.2	1165.2	1157.2	1127.9	1141.2
67.5°	1029.5	1026.9	1016.2	987.0	1005.6
70°	896.5	896.5	877.9	843.3	867.2
72.5°	752.9	760.8	736.9	712.9	736.9
75°	619.8	611.9	598.6	577.3	601.2
77.5°	492.1	478.8	462.9	452.2	465.5
80°	359.1	351.2	332.5	332.5	340.5
82.5°	244.7	236.8	223.5	226.1	215.5
85°	135.7	127.7	130.4	130.4	117.1
87.5°	55.9	55.9	55.9	50.5	45.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)