

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: P568111

Luminaire Tested: **8SNX-90SL-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568111
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-L935-CD
Description: 8FT 9000 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

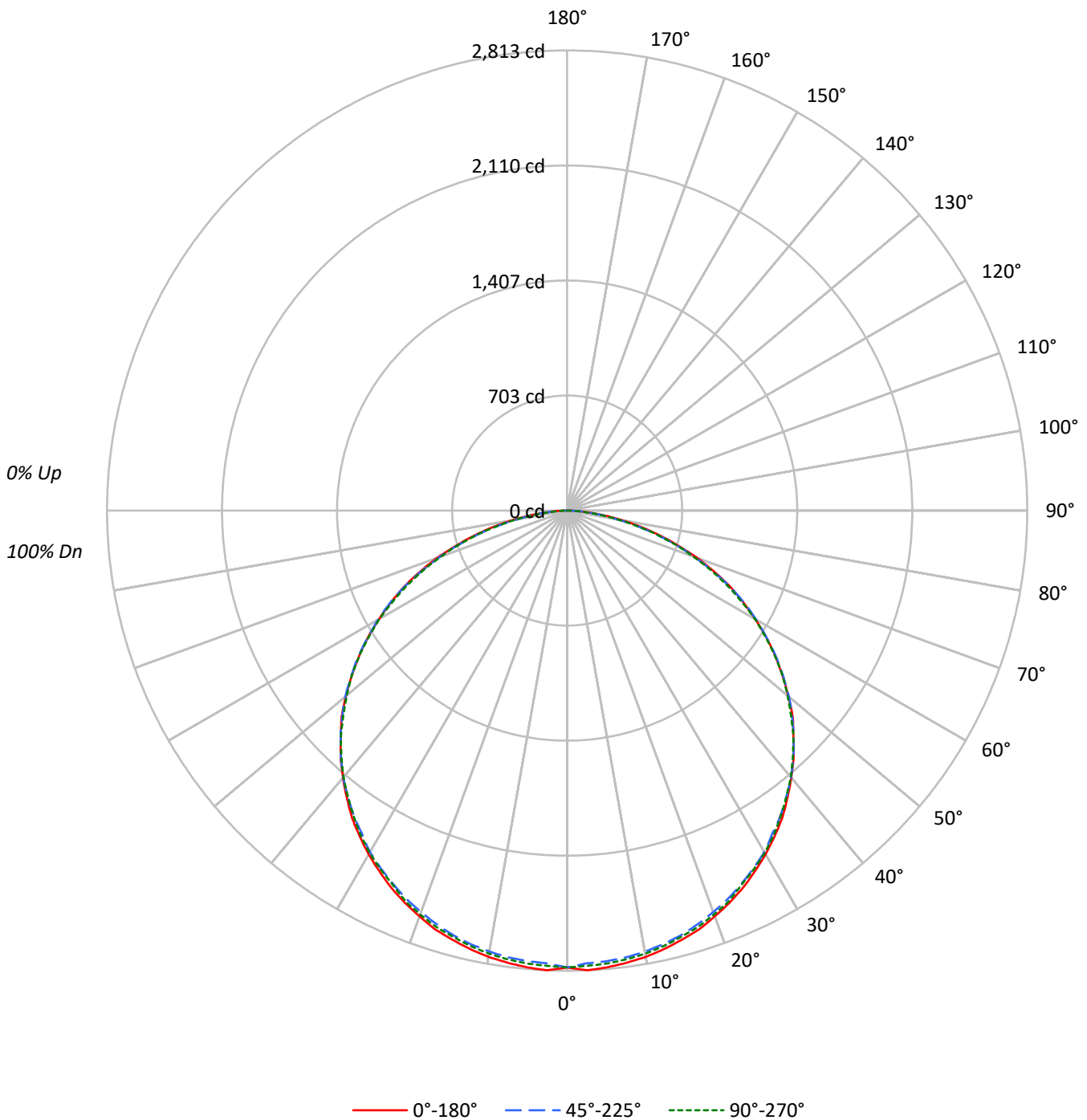
Lumens per Lamp: N/A
Luminaire Lumens: 8350.0 lumens
Efficiency: N/A
Efficacy: 140.1 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')
CIE Type: Direct

Input Watts (W): 59.6
Input Voltage (V): NR
Input Current (A_{in}): 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: P568111

CATALOG NUMBER: 8SNX-90SL-UNV-L935-CD

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°	15030	15030	15030
5°	15142	14938	15020
10°	15138	14960	15029
15°	15126	14973	15028
20°	15117	14959	15045
25°	15107	14958	14988
30°	15076	14983	15014
35°	15065	14949	14966
40°	14980	14962	14944
45°	14891	14910	14891
50°	14782	14824	14719
55°	14586	14634	14563
60°	14300	14354	14273
65°	14008	13911	13720
70°	13317	13042	12883
75°	12169	11751	11803
80°	10507	9729	9964
85°	7910	7602	6823



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	264.9	3.2
10°-20°	763.4	9.1
20°-30°	1168.0	14.0
30°-40°	1428.1	17.1
40°-50°	1510.7	18.1
50°-60°	1391.9	16.7
60°-70°	1072.6	12.8
70°-80°	601.0	7.2
80°-90°	149.4	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°	2196.3	26.3
0°-40°	3624.4	43.4
0°-60°	6527.1	78.2
0°-90°	8350.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8350.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2793	2793	2793	2793	2793	
5°	2803	2793	2765	2793	2780	266
15°	2715	2710	2687	2710	2697	767
25°	2544	2539	2519	2539	2524	1172
35°	2293	2288	2275	2283	2278	1433
45°	1956	1964	1959	1956	1956	1511
55°	1554	1567	1560	1560	1552	1388
65°	1100	1100	1092	1065	1077	1082
75°	585	578	565	545	568	620
85°	128	120	123	123	110	158
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2792.7	2792.7	2792.7	2792.7	2792.7
2.5°	2812.7	2800.2	2770.0	2797.7	2785.1
5°	2802.7	2792.7	2765.0	2792.7	2780.1
7.5°	2787.6	2780.1	2755.0	2780.1	2767.5
10°	2770.0	2762.5	2737.4	2762.5	2750.0
12.5°	2744.9	2739.9	2714.8	2739.9	2727.4
15°	2714.8	2709.8	2687.2	2709.8	2697.2
17.5°	2684.7	2674.6	2652.0	2677.1	2667.1
20°	2639.5	2634.4	2611.8	2634.4	2626.9
22.5°	2594.3	2589.2	2569.1	2589.2	2584.2
25°	2544.0	2539.0	2518.9	2539.0	2523.9
27.5°	2486.3	2488.8	2466.2	2478.7	2471.2
30°	2426.0	2426.0	2410.9	2415.9	2415.9
32.5°	2360.7	2360.7	2338.1	2353.2	2350.6
35°	2292.9	2287.9	2275.3	2282.8	2277.8
37.5°	2212.5	2210.0	2202.5	2207.5	2202.5
40°	2132.2	2134.7	2129.6	2127.1	2127.1
42.5°	2049.3	2054.3	2046.8	2044.3	2041.7
45°	1956.4	1963.9	1958.9	1956.4	1956.4
47.5°	1871.0	1873.5	1866.0	1863.4	1855.9
50°	1765.5	1775.5	1770.5	1765.5	1758.0
52.5°	1660.0	1675.1	1665.0	1660.0	1660.0
55°	1554.5	1567.1	1559.6	1559.6	1552.0
57.5°	1444.0	1456.6	1446.6	1446.6	1436.5
60°	1328.5	1341.1	1333.5	1326.0	1326.0
62.5°	1213.0	1223.0	1220.5	1208.0	1200.4
65°	1100.0	1100.0	1092.4	1064.8	1077.4
67.5°	971.9	969.4	959.3	931.7	949.3
70°	846.3	846.3	828.8	796.1	818.7
72.5°	710.7	718.3	695.7	673.0	695.7
75°	585.2	577.6	565.1	545.0	567.6
77.5°	464.6	452.0	437.0	426.9	439.5
80°	339.0	331.5	313.9	313.9	321.5
82.5°	231.0	223.5	211.0	213.5	203.4
85°	128.1	120.5	123.1	123.1	110.5
87.5°	52.7	52.7	52.7	47.7	42.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)