

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: P567295

Luminaire Tested: **8SNX-120SL-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567295
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-120SL-UNV-L935-CD
Description: 8FT 12000 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

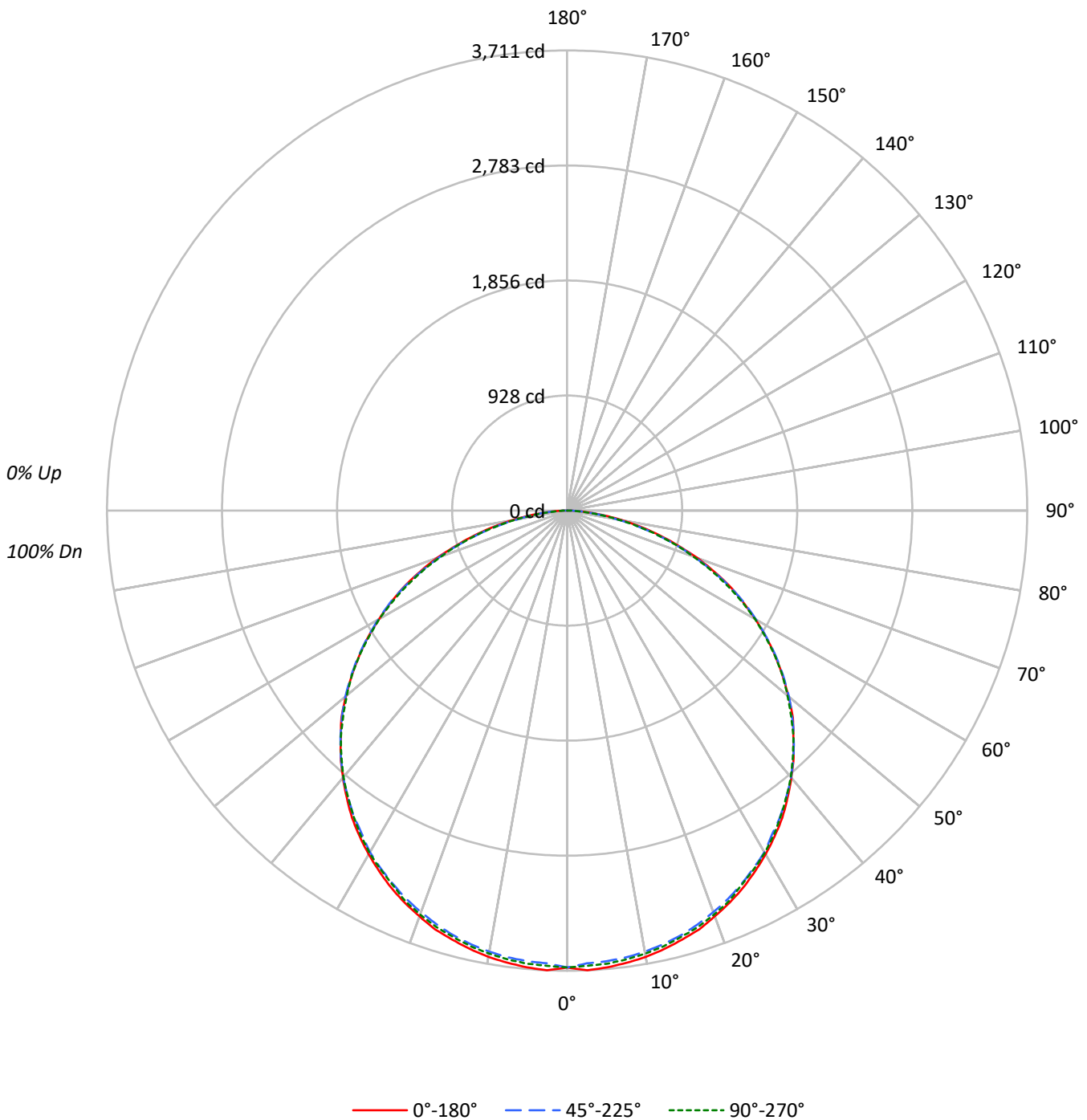
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11017.0 lumens
Efficiency: N/A
Efficacy: 131.2 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): 84
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: P567295
CATALOG NUMBER: 8SNX-120SL-UNV-L935-CD

Luminous Intensity Polar Plot





TEST NUMBER: P567295

CATALOG NUMBER: 8SNX-120SL-UNV-L935-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°	19830	19830	19830
5°	19978	19709	19817
10°	19973	19738	19829
15°	19958	19755	19828
20°	19946	19737	19850
25°	19933	19736	19775
30°	19892	19768	19809
35°	19876	19724	19746
40°	19765	19741	19717
45°	19646	19671	19646
50°	19504	19559	19421
55°	19246	19308	19215
60°	18867	18939	18831
65°	18482	18356	18103
70°	17572	17207	16998
75°	16053	15502	15573
80°	13863	12837	13144
85°	10436	10028	9003



TEST NUMBER: P567295

CATALOG NUMBER: 8SNX-120SL-UNV-L935-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	349.5	3.2
10°-20°	1007.2	9.1
20°-30°	1541.1	14.0
30°-40°	1884.3	17.1
40°-50°	1993.2	18.1
50°-60°	1836.5	16.7
60°-70°	1415.2	12.8
70°-80°	792.9	7.2
80°-90°	197.1	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°	2897.8	26.3
0°-40°	4782.1	43.4
0°-60°	8611.8	78.2
0°-90°	11017.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11017.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3685	3685	3685	3685	3685	
5°	3698	3685	3648	3685	3668	351
15°	3582	3575	3546	3575	3559	1012
25°	3357	3350	3324	3350	3330	1547
35°	3025	3019	3002	3012	3005	1890
45°	2581	2591	2584	2581	2581	1994
55°	2051	2068	2058	2058	2048	1832
65°	1451	1451	1441	1405	1422	1428
75°	772	762	746	719	749	819
85°	169	159	162	162	146	209
90°	0	0	0	0	0	



TEST NUMBER: P567295

CATALOG NUMBER: 8SNX-120SL-UNV-L935-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3684.6	3684.6	3684.6	3684.6	3684.6
2.5°	3711.1	3694.6	3654.8	3691.3	3674.7
5°	3697.9	3684.6	3648.2	3684.6	3668.1
7.5°	3678.0	3668.1	3634.9	3668.1	3651.5
10°	3654.8	3644.9	3611.7	3644.9	3628.3
12.5°	3621.7	3615.0	3581.9	3615.0	3598.5
15°	3581.9	3575.3	3545.5	3575.3	3558.7
17.5°	3542.1	3528.9	3499.1	3532.2	3519.0
20°	3482.5	3475.9	3446.1	3475.9	3465.9
22.5°	3422.9	3416.2	3389.7	3416.2	3409.6
25°	3356.6	3350.0	3323.5	3350.0	3330.1
27.5°	3280.4	3283.7	3253.9	3270.4	3260.5
30°	3200.9	3200.9	3181.0	3187.6	3187.6
32.5°	3114.7	3114.7	3084.9	3104.8	3101.4
35°	3025.2	3018.6	3002.0	3012.0	3005.4
37.5°	2919.2	2915.9	2906.0	2912.6	2906.0
40°	2813.2	2816.5	2809.9	2806.5	2806.5
42.5°	2703.8	2710.5	2700.5	2697.2	2693.9
45°	2581.2	2591.2	2584.5	2581.2	2581.2
47.5°	2468.6	2471.9	2461.9	2458.6	2448.7
50°	2329.4	2342.7	2336.0	2329.4	2319.5
52.5°	2190.2	2210.1	2196.9	2190.2	2190.2
55°	2051.1	2067.6	2057.7	2057.7	2047.8
57.5°	1905.3	1921.8	1908.6	1908.6	1895.3
60°	1752.8	1769.4	1759.5	1749.5	1749.5
62.5°	1600.4	1613.7	1610.4	1593.8	1583.9
65°	1451.3	1451.3	1441.4	1404.9	1421.5
67.5°	1282.3	1279.0	1265.8	1229.3	1252.5
70°	1116.7	1116.7	1093.5	1050.4	1080.2
72.5°	937.7	947.7	917.8	888.0	917.8
75°	772.0	762.1	745.5	719.0	748.9
77.5°	613.0	596.4	576.6	563.3	579.9
80°	447.3	437.4	414.2	414.2	424.1
82.5°	304.8	294.9	278.3	281.6	268.4
85°	169.0	159.0	162.4	162.4	145.8
87.5°	69.6	69.6	69.6	63.0	56.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)