

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: P567294

Luminaire Tested: **8SNX-120SL-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567294
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-L930-CD
Description: 8FT 12000 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

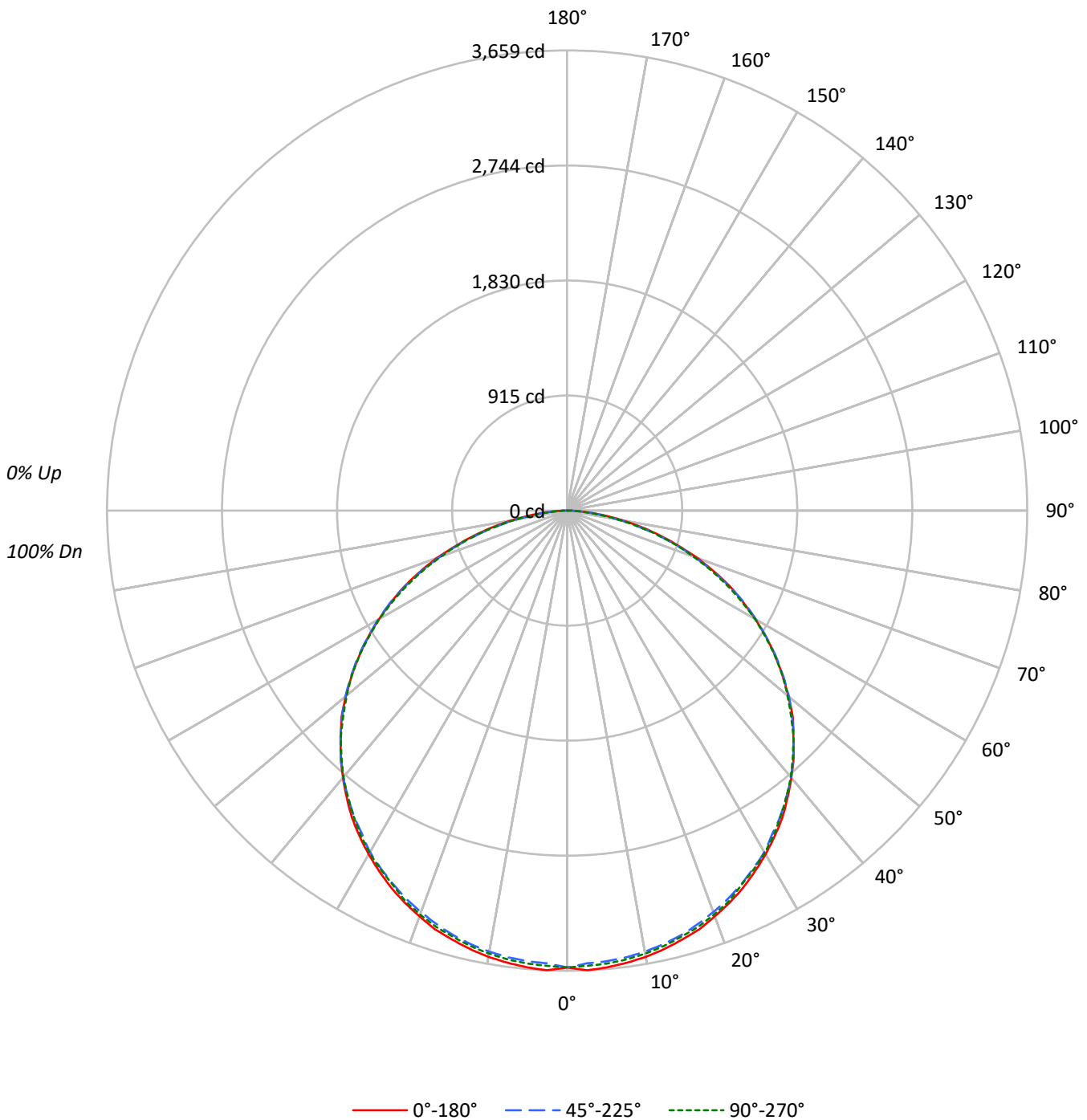
Lumens per Lamp: N/A
Luminaire Lumens: 10862.0 lumens
Efficiency: N/A
Efficacy: 129.3 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')
CIE Type: Direct

Input Watts (W): 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

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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	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					100			
1	109	104	99	95	106	101	98	94	97	94	91	93	91	88	90	88	86	83					83			
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69					69			
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58					58			
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49					49			
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42					42			
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37					37			
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33					33			
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29					29			
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26					26			
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23					23			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	19552	19552	19552
5°	19697	19432	19538
10°	19693	19460	19550
15°	19677	19477	19549
20°	19665	19459	19572
25°	19652	19458	19497
30°	19612	19490	19531
35°	19597	19446	19468
40°	19486	19463	19441
45°	19370	19395	19370
50°	19229	19284	19147
55°	18975	19036	18944
60°	18602	18672	18567
65°	18222	18097	17848
70°	17324	16965	16759
75°	15829	15286	15352
80°	13668	12658	12961
85°	10288	9886	8874



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	344.6	3.2
10°-20°	993.0	9.1
20°-30°	1519.4	14.0
30°-40°	1857.8	17.1
40°-50°	1965.2	18.1
50°-60°	1810.7	16.7
60°-70°	1395.3	12.8
70°-80°	781.8	7.2
80°-90°	194.3	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°	2857.1	26.3
0°-40°	4714.8	43.4
0°-60°	8490.7	78.2
0°-90°	10862.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10862.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3633	3633	3633	3633	3633	
5°	3646	3633	3597	3633	3616	347
15°	3532	3525	3496	3525	3509	998
25°	3309	3303	3277	3303	3283	1525
35°	2983	2976	2960	2970	2963	1864
45°	2545	2555	2548	2545	2545	1966
55°	2022	2038	2029	2029	2019	1806
65°	1431	1431	1421	1385	1402	1407
75°	761	751	735	709	738	807
85°	167	157	160	160	144	206
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3632.8	3632.8	3632.8	3632.8	3632.8
2.5°	3658.9	3642.6	3603.4	3639.3	3623.0
5°	3645.9	3632.8	3596.9	3632.8	3616.5
7.5°	3626.3	3616.5	3583.8	3616.5	3600.1
10°	3603.4	3593.6	3560.9	3593.6	3577.3
12.5°	3570.7	3564.2	3531.5	3564.2	3547.8
15°	3531.5	3525.0	3495.6	3525.0	3508.6
17.5°	3492.3	3479.2	3449.8	3482.5	3469.4
20°	3433.5	3427.0	3397.6	3427.0	3417.2
22.5°	3374.7	3368.2	3342.0	3368.2	3361.6
25°	3309.4	3302.8	3276.7	3302.8	3283.2
27.5°	3234.2	3237.5	3208.1	3224.4	3214.6
30°	3155.8	3155.8	3136.2	3142.8	3142.8
32.5°	3070.9	3070.9	3041.5	3061.1	3057.8
35°	2982.7	2976.1	2959.8	2969.6	2963.1
37.5°	2878.1	2874.9	2865.1	2871.6	2865.1
40°	2773.6	2776.9	2770.3	2767.1	2767.1
42.5°	2665.8	2672.3	2662.5	2659.3	2656.0
45°	2544.9	2554.7	2548.2	2544.9	2544.9
47.5°	2433.8	2437.1	2427.3	2424.0	2414.2
50°	2296.6	2309.7	2303.2	2296.6	2286.8
52.5°	2159.4	2179.0	2166.0	2159.4	2159.4
55°	2022.2	2038.5	2028.7	2028.7	2018.9
57.5°	1878.5	1894.8	1881.7	1881.7	1868.7
60°	1728.2	1744.5	1734.7	1724.9	1724.9
62.5°	1577.9	1591.0	1587.7	1571.4	1561.6
65°	1430.9	1430.9	1421.1	1385.2	1401.5
67.5°	1264.3	1261.0	1248.0	1212.0	1234.9
70°	1100.9	1100.9	1078.1	1035.6	1065.0
72.5°	924.5	934.3	904.9	875.5	904.9
75°	761.2	751.4	735.1	708.9	738.3
77.5°	604.4	588.0	568.4	555.4	571.7
80°	441.0	431.2	408.4	408.4	418.2
82.5°	300.6	290.8	274.4	277.7	264.6
85°	166.6	156.8	160.1	160.1	143.7
87.5°	68.6	68.6	68.6	62.1	55.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)