

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: P567293

Luminaire Tested: **8SNX-120SL-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567293
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-L850-CD
Description: 8FT 12000 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

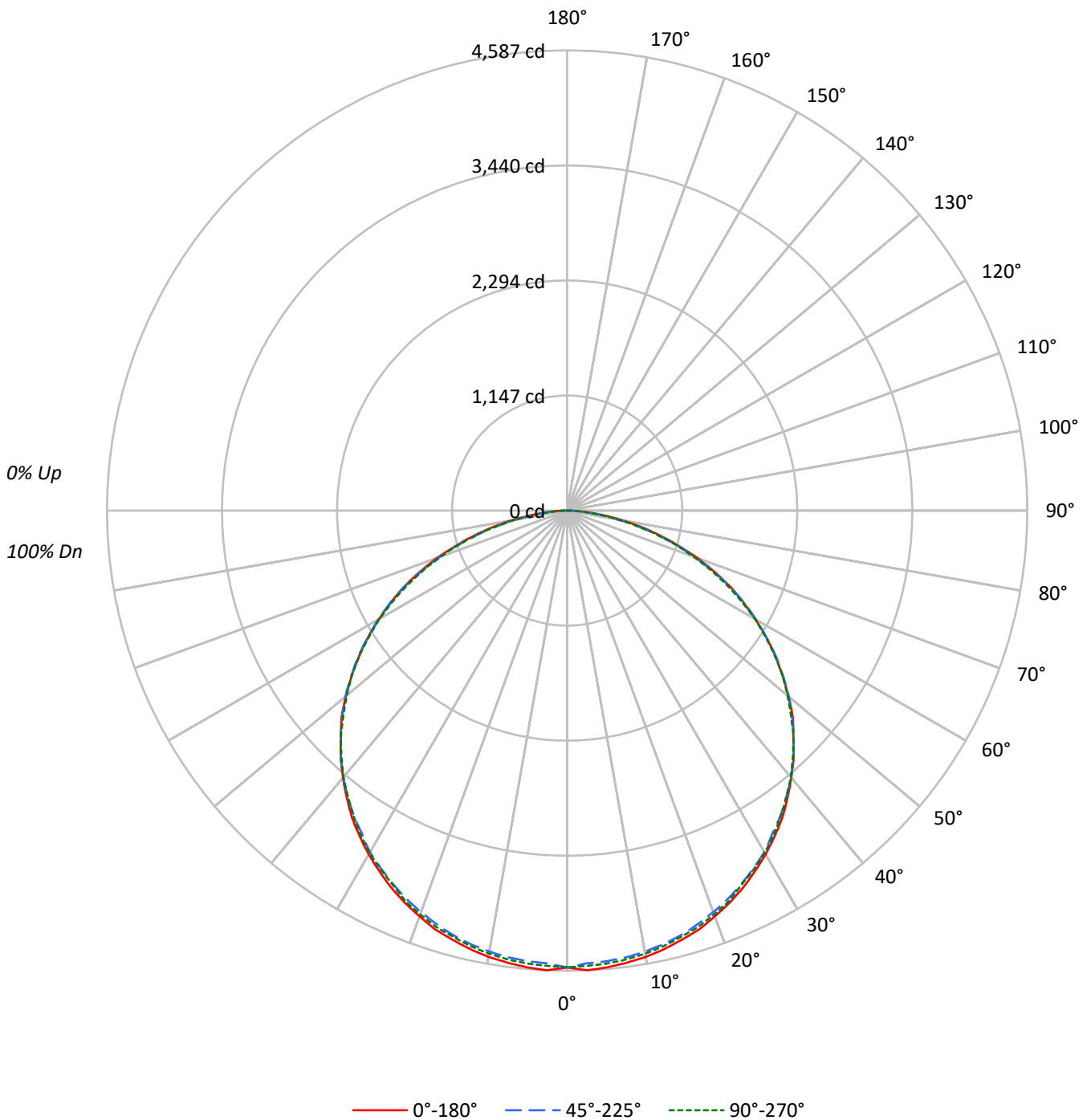
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13616.0 lumens
Efficiency: N/A
Efficacy: 162.1 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): 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	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°	24509	24509	24509
5°	24691	24359	24492
10°	24685	24395	24506
15°	24666	24415	24506
20°	24651	24393	24534
25°	24635	24392	24440
30°	24585	24432	24483
35°	24565	24377	24404
40°	24427	24398	24369
45°	24281	24313	24281
50°	24105	24173	24002
55°	23785	23862	23747
60°	23319	23407	23275
65°	22842	22686	22372
70°	21717	21265	21007
75°	19842	19160	19245
80°	17136	15866	16247
85°	12900	12393	11128



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	432.0	3.2
10°-20°	1244.8	9.1
20°-30°	1904.6	14.0
30°-40°	2328.8	17.1
40°-50°	2463.4	18.1
50°-60°	2269.7	16.7
60°-70°	1749.0	12.8
70°-80°	980.0	7.2
80°-90°	243.6	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°	3581.5	26.3
0°-40°	5910.2	43.4
0°-60°	10643.4	78.2
0°-90°	13616.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13616.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4554	4554	4554	4554	4554	
5°	4570	4554	4509	4554	4533	434
15°	4427	4419	4382	4419	4398	1251
25°	4148	4140	4108	4140	4116	1912
35°	3739	3731	3710	3722	3714	2336
45°	3190	3202	3194	3190	3190	2464
55°	2535	2555	2543	2543	2531	2264
65°	1794	1794	1781	1736	1757	1764
75°	954	942	921	889	926	1012
85°	209	197	201	201	180	258
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4553.9	4553.9	4553.9	4553.9	4553.9
2.5°	4586.6	4566.1	4517.0	4562.1	4541.6
5°	4570.2	4553.9	4508.8	4553.9	4533.4
7.5°	4545.7	4533.4	4492.4	4533.4	4512.9
10°	4517.0	4504.7	4463.8	4504.7	4484.2
12.5°	4476.1	4467.9	4426.9	4467.9	4447.4
15°	4426.9	4418.7	4381.9	4418.7	4398.2
17.5°	4377.8	4361.4	4324.5	4365.5	4349.1
20°	4304.1	4295.9	4259.0	4295.9	4283.6
22.5°	4230.3	4222.1	4189.4	4222.1	4214.0
25°	4148.4	4140.2	4107.5	4140.2	4115.7
27.5°	4054.2	4058.3	4021.5	4042.0	4029.7
30°	3956.0	3956.0	3931.4	3939.6	3939.6
32.5°	3849.5	3849.5	3812.6	3837.2	3833.1
35°	3738.9	3730.7	3710.2	3722.5	3714.3
37.5°	3607.9	3603.8	3591.5	3599.7	3591.5
40°	3476.8	3480.9	3472.7	3468.6	3468.6
42.5°	3341.7	3349.9	3337.6	3333.5	3329.4
45°	3190.2	3202.4	3194.3	3190.2	3190.2
47.5°	3050.9	3055.0	3042.7	3038.6	3026.4
50°	2878.9	2895.3	2887.1	2878.9	2866.6
52.5°	2706.9	2731.5	2715.1	2706.9	2706.9
55°	2534.9	2555.4	2543.1	2543.1	2530.8
57.5°	2354.7	2375.2	2358.8	2358.8	2342.5
60°	2166.4	2186.8	2174.6	2162.3	2162.3
62.5°	1978.0	1994.4	1990.3	1969.8	1957.5
65°	1793.7	1793.7	1781.4	1736.4	1756.8
67.5°	1584.8	1580.7	1564.4	1519.3	1548.0
70°	1380.1	1380.1	1351.4	1298.2	1335.0
72.5°	1158.9	1171.2	1134.4	1097.5	1134.4
75°	954.2	941.9	921.4	888.7	925.5
77.5°	757.6	737.1	712.6	696.2	716.7
80°	552.9	540.6	511.9	511.9	524.2
82.5°	376.8	364.5	344.0	348.1	331.7
85°	208.9	196.6	200.7	200.7	180.2
87.5°	86.0	86.0	86.0	77.8	69.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)