

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: P567292

Luminaire Tested: **8SNX-120SL-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567292
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-L840-CD
Description: 8FT 12000 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

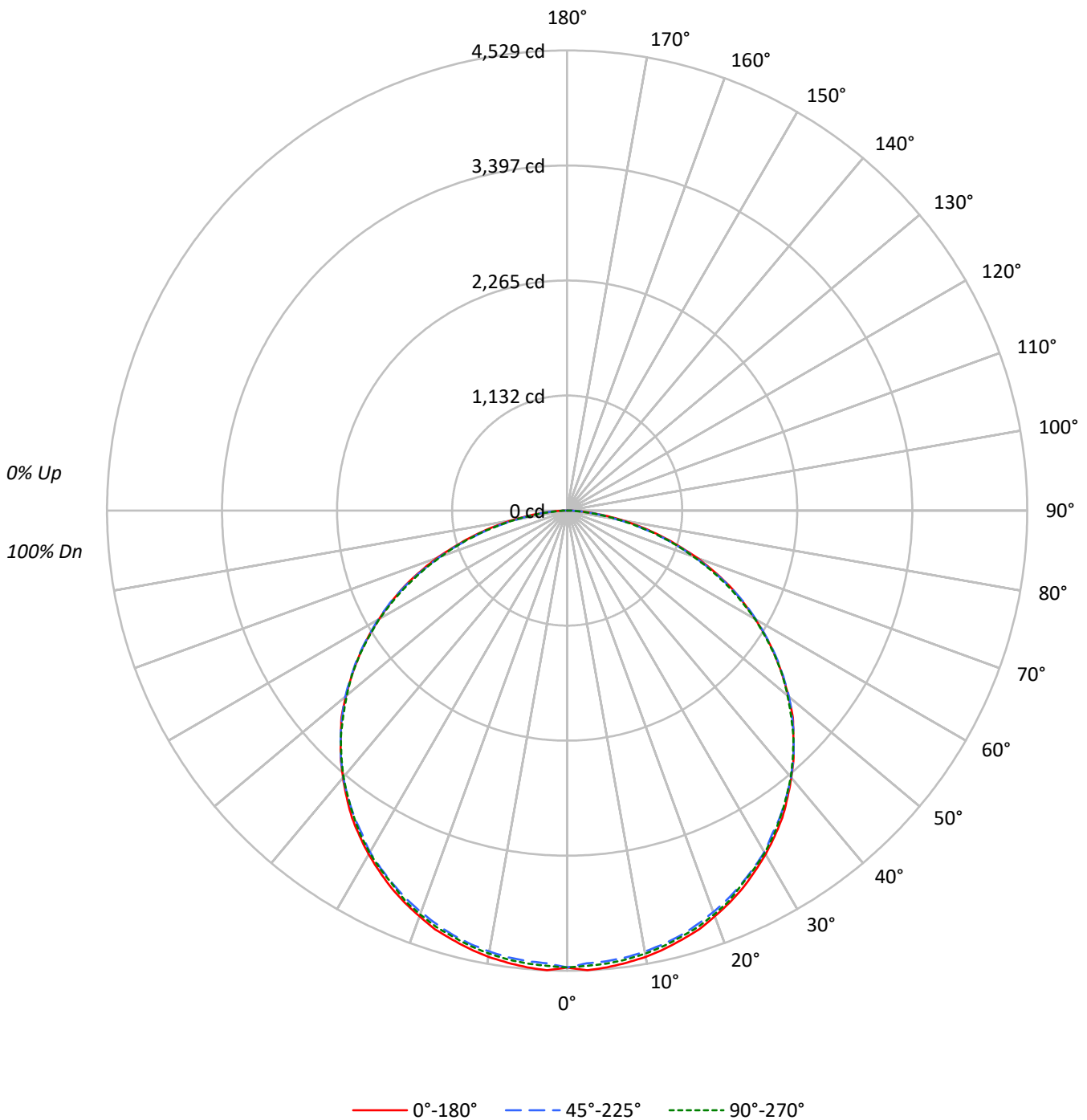
Lumens per Lamp: N/A
Luminaire Lumens: 13444.0 lumens
Efficiency: N/A
Efficacy: 160.0 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')
CIE Type: Direct

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°	24199	24199	24199
5°	24379	24051	24182
10°	24373	24086	24197
15°	24354	24106	24197
20°	24340	24085	24224
25°	24323	24084	24132
30°	24274	24123	24173
35°	24255	24069	24095
40°	24118	24090	24061
45°	23975	24005	23975
50°	23801	23868	23698
55°	23485	23561	23448
60°	23024	23111	22981
65°	22553	22399	22090
70°	21442	20996	20743
75°	19590	18919	19002
80°	16919	15664	16042
85°	12733	12233	10986



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	426.5	3.2
10°-20°	1229.1	9.1
20°-30°	1880.6	14.0
30°-40°	2299.4	17.1
40°-50°	2432.3	18.1
50°-60°	2241.1	16.7
60°-70°	1726.9	12.8
70°-80°	967.6	7.2
80°-90°	240.5	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°	3536.2	26.3
0°-40°	5835.6	43.4
0°-60°	10509.0	78.2
0°-90°	13444.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13444.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4496	4496	4496	4496	4496	
5°	4512	4496	4452	4496	4476	429
15°	4371	4363	4326	4363	4343	1235
25°	4096	4088	4056	4088	4064	1888
35°	3692	3684	3663	3676	3667	2307
45°	3150	3162	3154	3150	3150	2433
55°	2503	2523	2511	2511	2499	2235
65°	1771	1771	1759	1714	1735	1742
75°	942	930	910	877	914	999
85°	206	194	198	198	178	255
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4496.3	4496.3	4496.3	4496.3	4496.3
2.5°	4528.7	4508.5	4459.9	4504.4	4484.2
5°	4512.5	4496.3	4451.9	4496.3	4476.1
7.5°	4488.2	4476.1	4435.7	4476.1	4455.9
10°	4459.9	4447.8	4407.4	4447.8	4427.6
12.5°	4419.5	4411.4	4371.0	4411.4	4391.2
15°	4371.0	4362.9	4326.5	4362.9	4342.7
17.5°	4322.5	4306.3	4269.9	4310.3	4294.2
20°	4249.7	4241.6	4205.2	4241.6	4229.5
22.5°	4176.9	4168.8	4136.5	4168.8	4160.7
25°	4096.0	4087.9	4055.6	4087.9	4063.7
27.5°	4003.0	4007.1	3970.7	3990.9	3978.8
30°	3906.0	3906.0	3881.7	3889.8	3889.8
32.5°	3800.9	3800.9	3764.5	3788.7	3784.7
35°	3691.7	3683.6	3663.4	3675.5	3667.4
37.5°	3562.3	3558.3	3546.1	3554.2	3546.1
40°	3432.9	3436.9	3428.9	3424.8	3424.8
42.5°	3299.5	3307.6	3295.4	3291.4	3287.3
45°	3149.9	3162.0	3153.9	3149.9	3149.9
47.5°	3012.4	3016.4	3004.3	3000.3	2988.1
50°	2842.6	2858.7	2850.6	2842.6	2830.4
52.5°	2672.7	2697.0	2680.8	2672.7	2672.7
55°	2502.9	2523.1	2511.0	2511.0	2498.9
57.5°	2325.0	2345.2	2329.0	2329.0	2312.9
60°	2139.0	2159.2	2147.1	2135.0	2135.0
62.5°	1953.0	1969.2	1965.1	1944.9	1932.8
65°	1771.0	1771.0	1758.9	1714.4	1734.6
67.5°	1564.8	1560.8	1544.6	1500.1	1528.4
70°	1362.6	1362.6	1334.3	1281.8	1318.2
72.5°	1144.3	1156.4	1120.0	1083.6	1120.0
75°	942.1	930.0	909.8	877.4	913.8
77.5°	748.0	727.8	703.6	687.4	707.6
80°	545.9	533.7	505.4	505.4	517.6
82.5°	372.0	359.9	339.7	343.7	327.5
85°	206.2	194.1	198.1	198.1	177.9
87.5°	84.9	84.9	84.9	76.8	68.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)