

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: P567291

Luminaire Tested: **8SNX-120SL-UNV-L835-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567291  
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-L835-CD  
Description: 8FT 12000 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

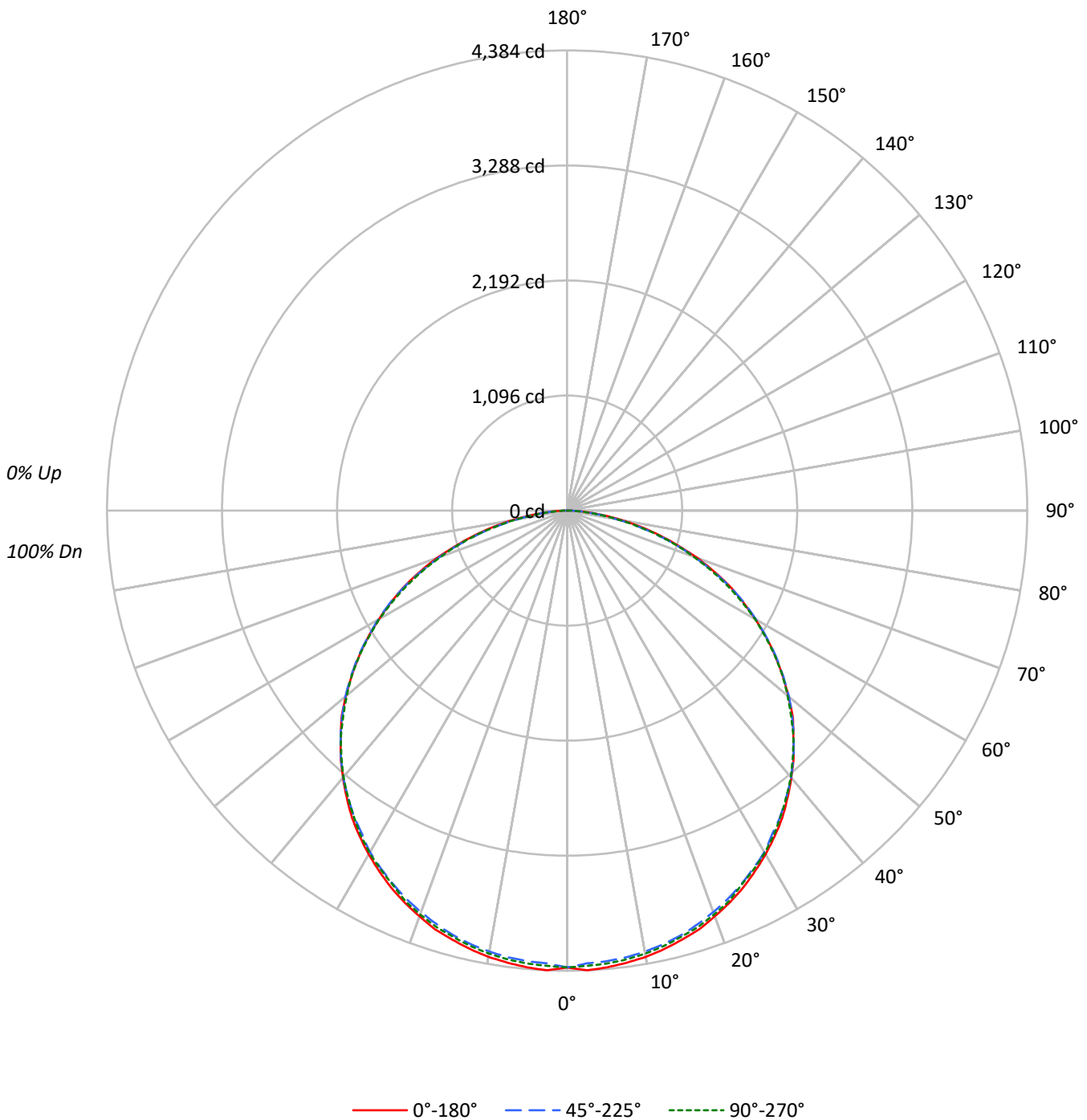
Lumens per Lamp: N/A  
Luminaire Lumens: 13014.0 lumens  
Efficiency: N/A  
Efficacy: 154.9 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41  
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')  
CIE Type: Direct

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°	23425	23425	23425
5°	23599	23282	23409
10°	23594	23316	23423
15°	23575	23335	23423
20°	23561	23314	23449
25°	23545	23313	23360
30°	23498	23352	23400
35°	23479	23299	23325
40°	23347	23320	23292
45°	23207	23237	23207
50°	23039	23105	22941
55°	22734	22808	22697
60°	22288	22372	22246
65°	21833	21684	21384
70°	20757	20326	20079
75°	18964	18314	18395
80°	16377	15165	15528
85°	12326	11844	10634



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	412.9	3.2
10°-20°	1189.8	9.1
20°-30°	1820.4	14.0
30°-40°	2225.8	17.1
40°-50°	2354.5	18.1
50°-60°	2169.4	16.7
60°-70°	1671.7	12.8
70°-80°	936.7	7.2
80°-90°	232.8	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°	3423.1	26.3
0°-40°	5648.9	43.4
0°-60°	10172.8	78.2
0°-90°	13014.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13014.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4352	4352	4352	4352	4352	
5°	4368	4352	4310	4352	4333	415
15°	4231	4223	4188	4223	4204	1195
25°	3965	3957	3926	3957	3934	1827
35°	3574	3566	3546	3558	3550	2233
45°	3049	3061	3053	3049	3049	2355
55°	2423	2442	2431	2431	2419	2163
65°	1714	1714	1703	1660	1679	1686
75°	912	900	881	849	885	967
85°	200	188	192	192	172	246
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4352.5	4352.5	4352.5	4352.5	4352.5
2.5°	4383.8	4364.3	4317.3	4360.4	4340.8
5°	4368.2	4352.5	4309.5	4352.5	4333.0
7.5°	4344.7	4333.0	4293.8	4333.0	4313.4
10°	4317.3	4305.6	4266.4	4305.6	4286.0
12.5°	4278.2	4270.3	4231.2	4270.3	4250.8
15°	4231.2	4223.4	4188.1	4223.4	4203.8
17.5°	4184.2	4168.6	4133.3	4172.5	4156.8
20°	4113.8	4105.9	4070.7	4105.9	4094.2
22.5°	4043.3	4035.5	4004.2	4035.5	4027.6
25°	3965.0	3957.2	3925.9	3957.2	3933.7
27.5°	3875.0	3878.9	3843.7	3863.3	3851.5
30°	3781.1	3781.1	3757.6	3765.4	3765.4
32.5°	3679.3	3679.3	3644.1	3667.5	3663.6
35°	3573.6	3565.8	3546.2	3558.0	3550.1
37.5°	3448.4	3444.4	3432.7	3440.5	3432.7
40°	3323.1	3327.0	3319.2	3315.3	3315.3
42.5°	3193.9	3201.8	3190.0	3186.1	3182.2
45°	3049.1	3060.9	3053.0	3049.1	3049.1
47.5°	2916.0	2919.9	2908.2	2904.3	2892.5
50°	2751.6	2767.3	2759.5	2751.6	2739.9
52.5°	2587.2	2610.7	2595.1	2587.2	2587.2
55°	2422.9	2442.4	2430.7	2430.7	2418.9
57.5°	2250.6	2270.2	2254.5	2254.5	2238.9
60°	2070.6	2090.2	2078.4	2066.7	2066.7
62.5°	1890.5	1906.2	1902.3	1882.7	1871.0
65°	1714.4	1714.4	1702.7	1659.6	1679.2
67.5°	1514.8	1510.9	1495.2	1452.1	1479.5
70°	1319.1	1319.1	1291.7	1240.8	1276.0
72.5°	1107.7	1119.4	1084.2	1049.0	1084.2
75°	912.0	900.3	880.7	849.4	884.6
77.5°	724.1	704.5	681.1	665.4	685.0
80°	528.4	516.7	489.3	489.3	501.0
82.5°	360.1	348.4	328.8	332.7	317.0
85°	199.6	187.9	191.8	191.8	172.2
87.5°	82.2	82.2	82.2	74.4	66.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)