

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: P567290

Luminaire Tested: **8SNX-120SL-UNV-L830-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567290  
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-L830-CD  
Description: 8FT 12000 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

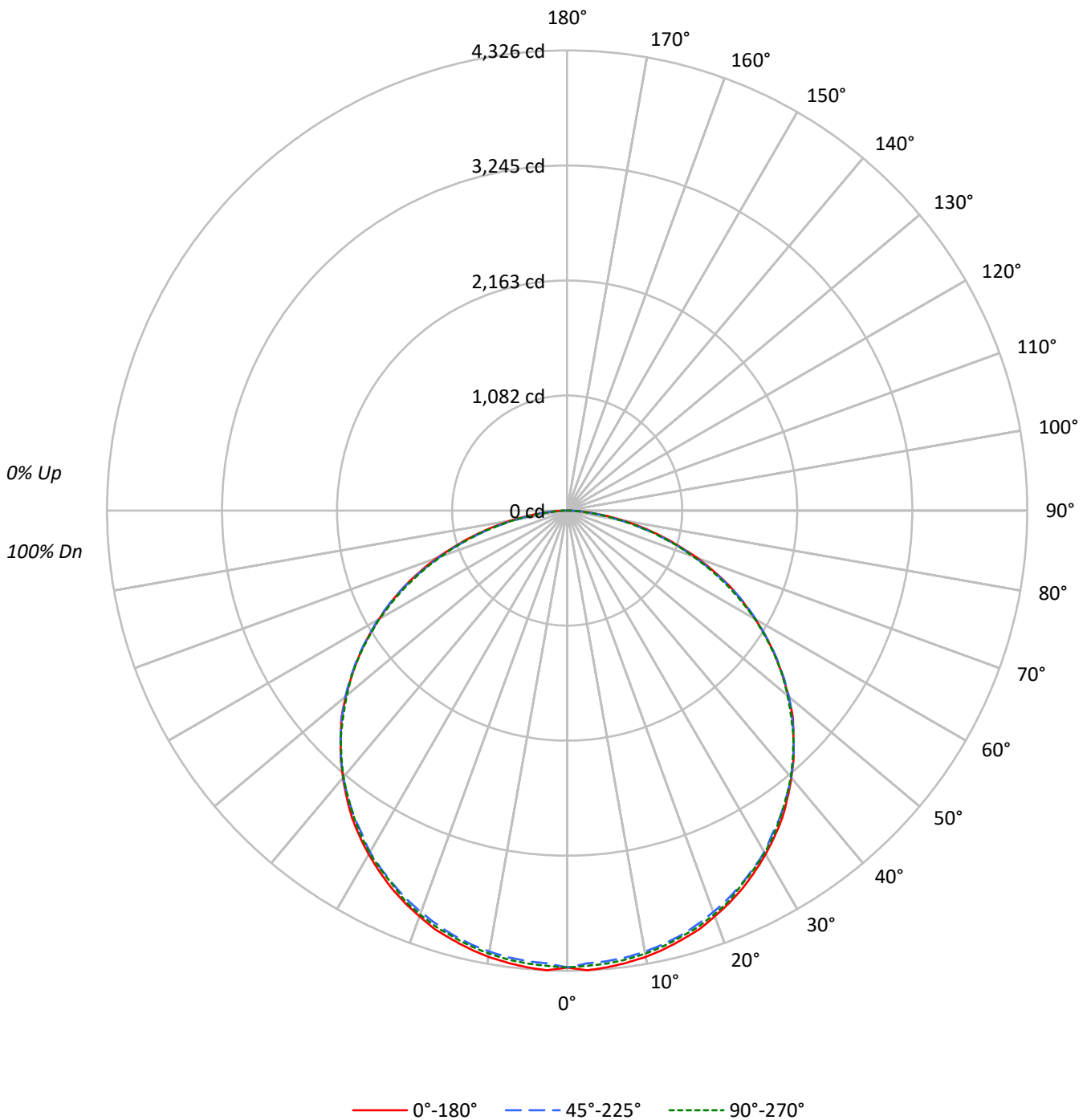
Lumens per Lamp: N/A  
Luminaire Lumens: 12842.0 lumens  
Efficiency: N/A  
Efficacy: 152.9 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41  
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')  
CIE Type: Direct

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	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°	23116	23116	23116
5°	23287	22974	23100
10°	23282	23008	23113
15°	23264	23027	23113
20°	23250	23006	23139
25°	23234	23005	23051
30°	23187	23043	23091
35°	23169	22991	23017
40°	23039	23011	22984
45°	22901	22930	22901
50°	22735	22799	22638
55°	22433	22506	22398
60°	21993	22076	21952
65°	21543	21396	21102
70°	20482	20057	19813
75°	18713	18070	18151
80°	16160	14964	15323
85°	12165	11689	10492



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	407.4	3.2
10°-20°	1174.1	9.1
20°-30°	1796.4	14.0
30°-40°	2196.4	17.1
40°-50°	2323.4	18.1
50°-60°	2140.7	16.7
60°-70°	1649.6	12.8
70°-80°	924.3	7.2
80°-90°	229.7	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°	3377.9	26.3
0°-40°	5574.3	43.4
0°-60°	10038.4	78.2
0°-90°	12842.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12842.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4295	4295	4295	4295	4295	
5°	4310	4295	4252	4295	4276	410
15°	4175	4168	4133	4168	4148	1180
25°	3913	3905	3874	3905	3882	1803
35°	3526	3519	3499	3511	3503	2203
45°	3009	3020	3013	3009	3009	2324
55°	2391	2410	2399	2399	2387	2135
65°	1692	1692	1680	1638	1657	1664
75°	900	888	869	838	873	954
85°	197	185	189	189	170	243
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4295.0	4295.0	4295.0	4295.0	4295.0
2.5°	4325.9	4306.6	4260.2	4302.7	4283.4
5°	4310.4	4295.0	4252.5	4295.0	4275.7
7.5°	4287.3	4275.7	4237.1	4275.7	4256.4
10°	4260.2	4248.6	4210.0	4248.6	4229.3
12.5°	4221.6	4213.9	4175.3	4213.9	4194.6
15°	4175.3	4167.5	4132.8	4167.5	4148.2
17.5°	4128.9	4113.5	4078.7	4117.3	4101.9
20°	4059.4	4051.7	4016.9	4051.7	4040.1
22.5°	3989.9	3982.1	3951.2	3982.1	3974.4
25°	3912.6	3904.9	3874.0	3904.9	3881.7
27.5°	3823.8	3827.6	3792.9	3812.2	3800.6
30°	3731.1	3731.1	3707.9	3715.6	3715.6
32.5°	3630.7	3630.7	3595.9	3619.1	3615.2
35°	3526.4	3518.7	3499.3	3510.9	3503.2
37.5°	3402.8	3398.9	3387.3	3395.1	3387.3
40°	3279.2	3283.0	3275.3	3271.5	3271.5
42.5°	3151.7	3159.4	3147.9	3144.0	3140.1
45°	3008.8	3020.4	3012.7	3008.8	3008.8
47.5°	2877.5	2881.4	2869.8	2865.9	2854.3
50°	2715.3	2730.7	2723.0	2715.3	2703.7
52.5°	2553.1	2576.2	2560.8	2553.1	2553.1
55°	2390.8	2410.1	2398.6	2398.6	2387.0
57.5°	2220.9	2240.2	2224.7	2224.7	2209.3
60°	2043.2	2062.5	2050.9	2039.4	2039.4
62.5°	1865.5	1881.0	1877.1	1857.8	1846.2
65°	1691.7	1691.7	1680.1	1637.7	1657.0
67.5°	1494.8	1490.9	1475.4	1433.0	1460.0
70°	1301.6	1301.6	1274.6	1224.4	1259.1
72.5°	1093.1	1104.6	1069.9	1035.1	1069.9
75°	899.9	888.4	869.0	838.1	872.9
77.5°	714.5	695.2	672.1	656.6	675.9
80°	521.4	509.8	482.8	482.8	494.4
82.5°	355.3	343.8	324.4	328.3	312.9
85°	197.0	185.4	189.3	189.3	169.9
87.5°	81.1	81.1	81.1	73.4	65.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)