

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: P567296

Luminaire Tested: **8SNX-120SL-UNV-L940-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567296  
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-L940-CD  
Description: 8FT 12000 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

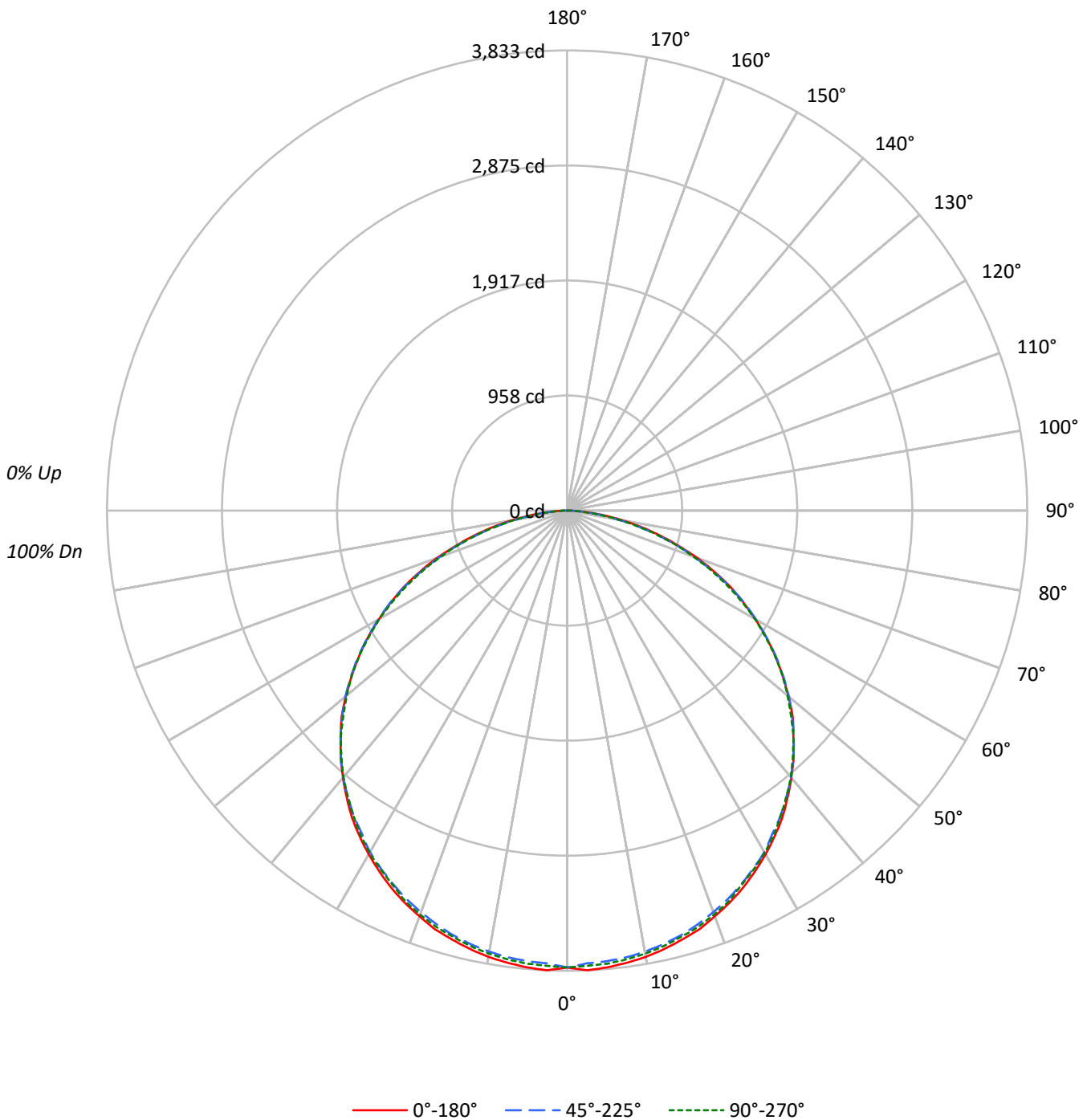
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11379.0 lumens  
Efficiency: N/A  
Efficacy: 135.5 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°	20482	20482	20482
5°	20634	20357	20468
10°	20630	20387	20480
15°	20613	20404	20480
20°	20601	20385	20503
25°	20588	20385	20425
30°	20545	20418	20460
35°	20529	20372	20394
40°	20414	20390	20366
45°	20292	20318	20292
50°	20144	20202	20059
55°	19878	19942	19845
60°	19487	19561	19450
65°	19089	18958	18697
70°	18148	17772	17556
75°	16581	16012	16084
80°	14319	13259	13578
85°	10776	10356	9300



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	361.0	3.2
10°-20°	1040.3	9.1
20°-30°	1591.7	14.0
30°-40°	1946.2	17.1
40°-50°	2058.7	18.1
50°-60°	1896.9	16.7
60°-70°	1461.7	12.8
70°-80°	819.0	7.2
80°-90°	203.6	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°	2993.0	26.3
0°-40°	4939.2	43.4
0°-60°	8894.8	78.2
0°-90°	11379.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11379.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3806	3806	3806	3806	3806	
5°	3819	3806	3768	3806	3789	363
15°	3700	3693	3662	3693	3676	1045
25°	3467	3460	3433	3460	3440	1598
35°	3125	3118	3101	3111	3104	1952
45°	2666	2676	2670	2666	2666	2059
55°	2118	2136	2125	2125	2115	1892
65°	1499	1499	1489	1451	1468	1474
75°	797	787	770	743	774	845
85°	174	164	168	168	151	215
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3805.7	3805.7	3805.7	3805.7	3805.7
2.5°	3833.1	3816.0	3774.9	3812.5	3795.4
5°	3819.4	3805.7	3768.1	3805.7	3788.6
7.5°	3798.9	3788.6	3754.4	3788.6	3771.5
10°	3774.9	3764.6	3730.4	3764.6	3747.5
12.5°	3740.7	3733.8	3699.6	3733.8	3716.7
15°	3699.6	3692.8	3662.0	3692.8	3675.6
17.5°	3658.5	3644.8	3614.0	3648.3	3634.6
20°	3596.9	3590.1	3559.3	3590.1	3579.8
22.5°	3535.3	3528.5	3501.1	3528.5	3521.6
25°	3466.9	3460.0	3432.7	3460.0	3439.5
27.5°	3388.2	3391.6	3360.8	3377.9	3367.6
30°	3306.0	3306.0	3285.5	3292.3	3292.3
32.5°	3217.0	3217.0	3186.2	3206.8	3203.4
35°	3124.6	3117.8	3100.7	3111.0	3104.1
37.5°	3015.1	3011.7	3001.4	3008.3	3001.4
40°	2905.6	2909.0	2902.2	2898.8	2898.8
42.5°	2792.7	2799.5	2789.2	2785.8	2782.4
45°	2666.0	2676.3	2669.5	2666.0	2666.0
47.5°	2549.7	2553.1	2542.8	2539.4	2529.1
50°	2405.9	2419.6	2412.8	2405.9	2395.7
52.5°	2262.2	2282.7	2269.0	2262.2	2262.2
55°	2118.5	2135.6	2125.3	2125.3	2115.0
57.5°	1967.9	1985.0	1971.3	1971.3	1957.6
60°	1810.4	1827.6	1817.3	1807.0	1807.0
62.5°	1653.0	1666.7	1663.3	1646.2	1635.9
65°	1499.0	1499.0	1488.7	1451.1	1468.2
67.5°	1324.5	1321.0	1307.4	1269.7	1293.7
70°	1153.3	1153.3	1129.4	1084.9	1115.7
72.5°	968.5	978.8	948.0	917.2	948.0
75°	797.4	787.1	770.0	742.7	773.5
77.5°	633.1	616.0	595.5	581.8	598.9
80°	462.0	451.8	427.8	427.8	438.1
82.5°	314.9	304.6	287.5	290.9	277.2
85°	174.5	164.3	167.7	167.7	150.6
87.5°	71.9	71.9	71.9	65.0	58.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)