

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: P567244

Luminaire Tested: **8SNX-114SL-UNV-L840-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567244  
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-114SL-UNV-L840-CD  
Description: 8FT 11400 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

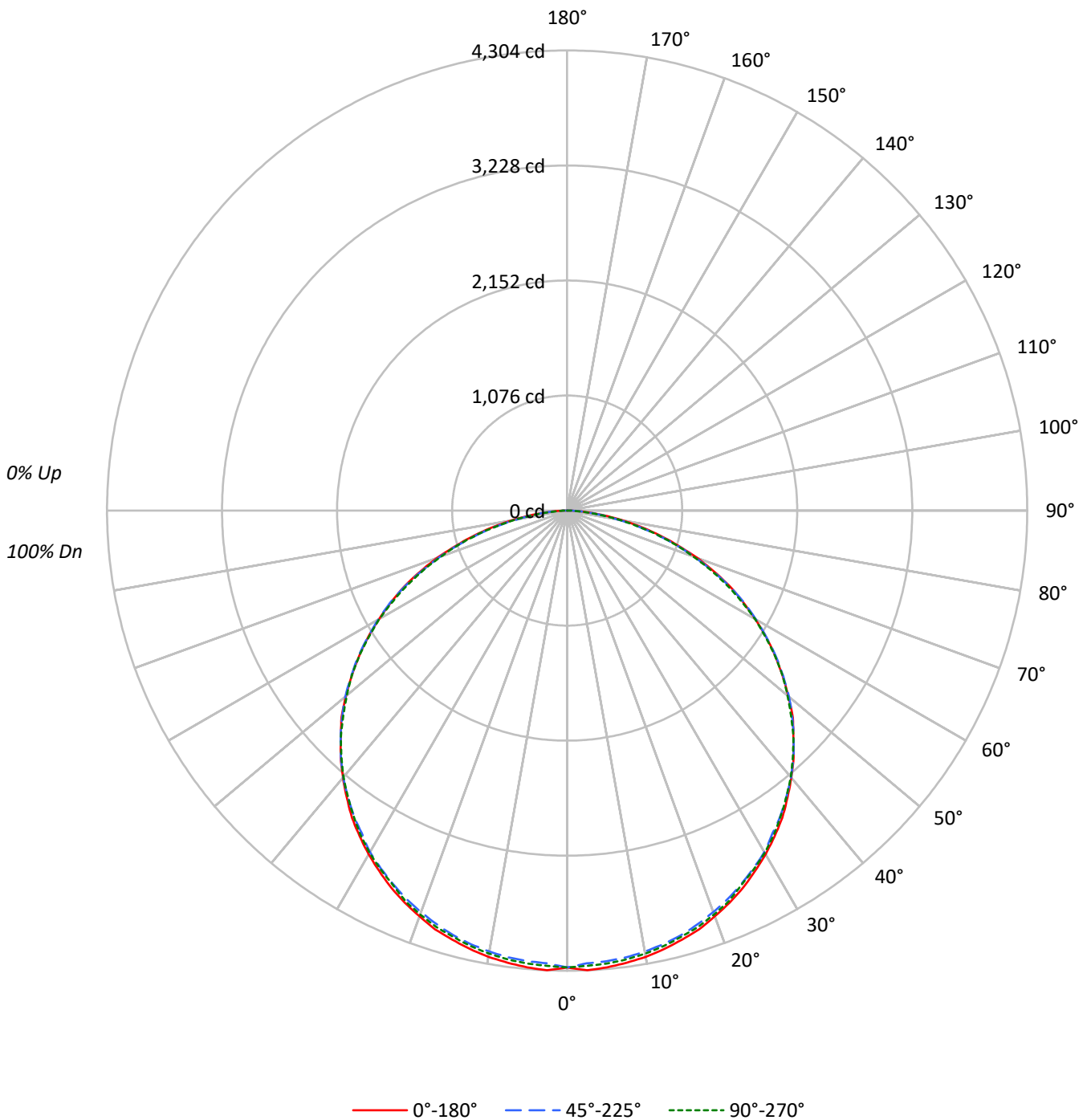
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12776.0 lumens  
Efficiency: N/A  
Efficacy: 160.9 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): 79.4  
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°	22997	22997	22997
5°	23168	22856	22981
10°	23162	22890	22994
15°	23144	22909	22994
20°	23130	22888	23020
25°	23115	22887	22933
30°	23068	22925	22972
35°	23050	22873	22898
40°	22920	22893	22866
45°	22783	22812	22783
50°	22618	22682	22521
55°	22318	22390	22282
60°	21880	21963	21839
65°	21433	21286	20993
70°	20376	19953	19712
75°	18617	17979	18058
80°	16076	14886	15243
85°	12103	11628	10442



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	405.3	3.2
10°-20°	1168.0	9.1
20°-30°	1787.1	14.0
30°-40°	2185.1	17.1
40°-50°	2311.5	18.1
50°-60°	2129.7	16.7
60°-70°	1641.1	12.8
70°-80°	919.5	7.2
80°-90°	228.5	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°	3360.5	26.3
0°-40°	5545.6	43.4
0°-60°	9986.8	78.2
0°-90°	12776.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12776.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4273	4273	4273	4273	4273	
5°	4288	4273	4231	4273	4254	408
15°	4154	4146	4112	4146	4127	1174
25°	3892	3885	3854	3885	3862	1794
35°	3508	3501	3481	3493	3485	2192
45°	2993	3005	2997	2993	2993	2312
55°	2378	2398	2386	2386	2375	2124
65°	1683	1683	1672	1629	1648	1655
75°	895	884	865	834	868	949
85°	196	184	188	188	169	242
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4272.9	4272.9	4272.9	4272.9	4272.9
2.5°	4303.7	4284.5	4238.3	4280.6	4261.4
5°	4288.3	4272.9	4230.7	4272.9	4253.7
7.5°	4265.2	4253.7	4215.3	4253.7	4234.5
10°	4238.3	4226.8	4188.4	4226.8	4207.6
12.5°	4199.9	4192.2	4153.8	4192.2	4173.0
15°	4153.8	4146.1	4111.5	4146.1	4126.9
17.5°	4107.7	4092.3	4057.7	4096.2	4080.8
20°	4038.5	4030.8	3996.3	4030.8	4019.3
22.5°	3969.4	3961.7	3930.9	3961.7	3954.0
25°	3892.5	3884.8	3854.1	3884.8	3861.8
27.5°	3804.1	3808.0	3773.4	3792.6	3781.1
30°	3711.9	3711.9	3688.9	3696.5	3696.5
32.5°	3612.0	3612.0	3577.4	3600.5	3596.6
35°	3508.3	3500.6	3481.4	3492.9	3485.2
37.5°	3385.3	3381.5	3369.9	3377.6	3369.9
40°	3262.3	3266.2	3258.5	3254.6	3254.6
42.5°	3135.5	3143.2	3131.7	3127.8	3124.0
45°	2993.4	3004.9	2997.2	2993.4	2993.4
47.5°	2862.7	2866.5	2855.0	2851.2	2839.6
50°	2701.3	2716.7	2709.0	2701.3	2689.8
52.5°	2539.9	2563.0	2547.6	2539.9	2539.9
55°	2378.5	2397.8	2386.2	2386.2	2374.7
57.5°	2209.5	2228.7	2213.3	2213.3	2197.9
60°	2032.7	2051.9	2040.4	2028.9	2028.9
62.5°	1856.0	1871.3	1867.5	1848.3	1836.7
65°	1683.0	1683.0	1671.5	1629.2	1648.5
67.5°	1487.1	1483.2	1467.9	1425.6	1452.5
70°	1294.9	1294.9	1268.0	1218.1	1252.7
72.5°	1087.4	1099.0	1064.4	1029.8	1064.4
75°	895.3	883.8	864.6	833.8	868.4
77.5°	710.9	691.7	668.6	653.2	672.4
80°	518.7	507.2	480.3	480.3	491.8
82.5°	353.5	342.0	322.8	326.6	311.2
85°	196.0	184.4	188.3	188.3	169.1
87.5°	80.7	80.7	80.7	73.0	65.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)