

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: P567242

Luminaire Tested: **8SNX-114SL-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567242
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-L830-CD
Description: 8FT 11400 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

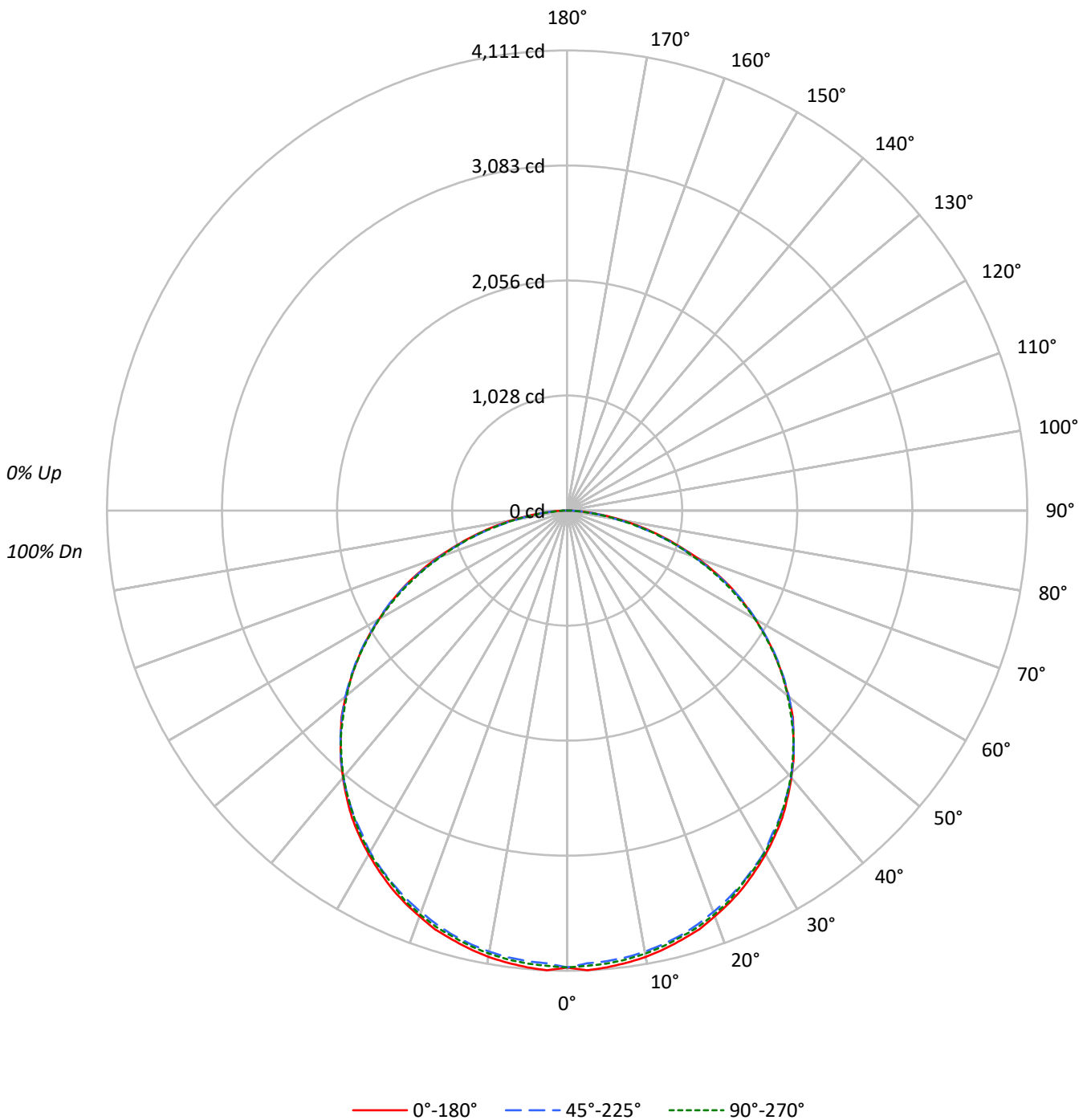
Lumens per Lamp: N/A
Luminaire Lumens: 12204.0 lumens
Efficiency: N/A
Efficacy: 153.7 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')
CIE Type: Direct

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	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°	21967	21967	21967
5°	22130	21833	21952
10°	22126	21865	21965
15°	22108	21883	21965
20°	22094	21863	21990
25°	22080	21862	21906
30°	22035	21898	21944
35°	22018	21849	21873
40°	21894	21868	21842
45°	21763	21791	21763
50°	21605	21666	21513
55°	21319	21388	21285
60°	20900	20979	20860
65°	20474	20334	20053
70°	19465	19061	18829
75°	17783	17174	17249
80°	15357	14220	14561
85°	11560	11109	9973



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	387.2	3.2
10°-20°	1115.7	9.1
20°-30°	1707.1	14.0
30°-40°	2087.3	17.1
40°-50°	2208.0	18.1
50°-60°	2034.4	16.7
60°-70°	1567.7	12.8
70°-80°	878.4	7.2
80°-90°	218.3	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°	3210.0	26.3
0°-40°	5297.3	43.4
0°-60°	9539.7	78.2
0°-90°	12204.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12204.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4082	4082	4082	4082	4082	
5°	4096	4082	4041	4082	4063	389
15°	3968	3960	3928	3960	3942	1121
25°	3718	3711	3682	3711	3689	1714
35°	3351	3344	3326	3336	3329	2094
45°	2859	2870	2863	2859	2859	2209
55°	2272	2290	2279	2279	2268	2029
65°	1608	1608	1597	1556	1575	1581
75°	855	844	826	796	830	907
85°	187	176	180	180	162	231
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4081.6	4081.6	4081.6	4081.6	4081.6
2.5°	4111.0	4092.6	4048.6	4089.0	4070.6
5°	4096.3	4081.6	4041.2	4081.6	4063.3
7.5°	4074.3	4063.3	4026.6	4063.3	4044.9
10°	4048.6	4037.6	4000.9	4037.6	4019.2
12.5°	4011.9	4004.5	3967.8	4004.5	3986.2
15°	3967.8	3960.5	3927.5	3960.5	3942.1
17.5°	3923.8	3909.1	3876.1	3912.8	3898.1
20°	3857.7	3850.4	3817.3	3850.4	3839.4
22.5°	3791.6	3784.3	3754.9	3784.3	3777.0
25°	3718.2	3710.9	3681.5	3710.9	3688.9
27.5°	3633.8	3637.5	3604.5	3622.8	3611.8
30°	3545.7	3545.7	3523.7	3531.0	3531.0
32.5°	3450.3	3450.3	3417.3	3439.3	3435.6
35°	3351.2	3343.8	3325.5	3336.5	3329.2
37.5°	3233.7	3230.1	3219.0	3226.4	3219.0
40°	3116.3	3119.9	3112.6	3108.9	3108.9
42.5°	2995.1	3002.5	2991.5	2987.8	2984.1
45°	2859.3	2870.3	2863.0	2859.3	2859.3
47.5°	2734.5	2738.2	2727.2	2723.5	2712.5
50°	2580.4	2595.1	2587.7	2580.4	2569.4
52.5°	2426.2	2448.2	2433.6	2426.2	2426.2
55°	2272.1	2290.4	2279.4	2279.4	2268.4
57.5°	2110.5	2128.9	2114.2	2114.2	2099.5
60°	1941.7	1960.1	1949.0	1938.0	1938.0
62.5°	1772.9	1787.5	1783.9	1765.5	1754.5
65°	1607.7	1607.7	1596.7	1556.3	1574.7
67.5°	1420.5	1416.8	1402.1	1361.8	1387.5
70°	1237.0	1237.0	1211.3	1163.6	1196.6
72.5°	1038.8	1049.8	1016.7	983.7	1016.7
75°	855.2	844.2	825.9	796.5	829.5
77.5°	679.0	660.7	638.7	624.0	642.3
80°	495.5	484.5	458.8	458.8	469.8
82.5°	337.7	326.7	308.3	312.0	297.3
85°	187.2	176.2	179.9	179.9	161.5
87.5°	77.1	77.1	77.1	69.7	62.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)