

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: P567354

Luminaire Tested: **8SNX-134SL-LC-UNV-L830-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567354  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2205-663-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SNX-134SL-LC-UNV-L830-CD  
Description: 8FT 13400 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND LC LENS  
Light Source: -  
Ballast/Driver: -

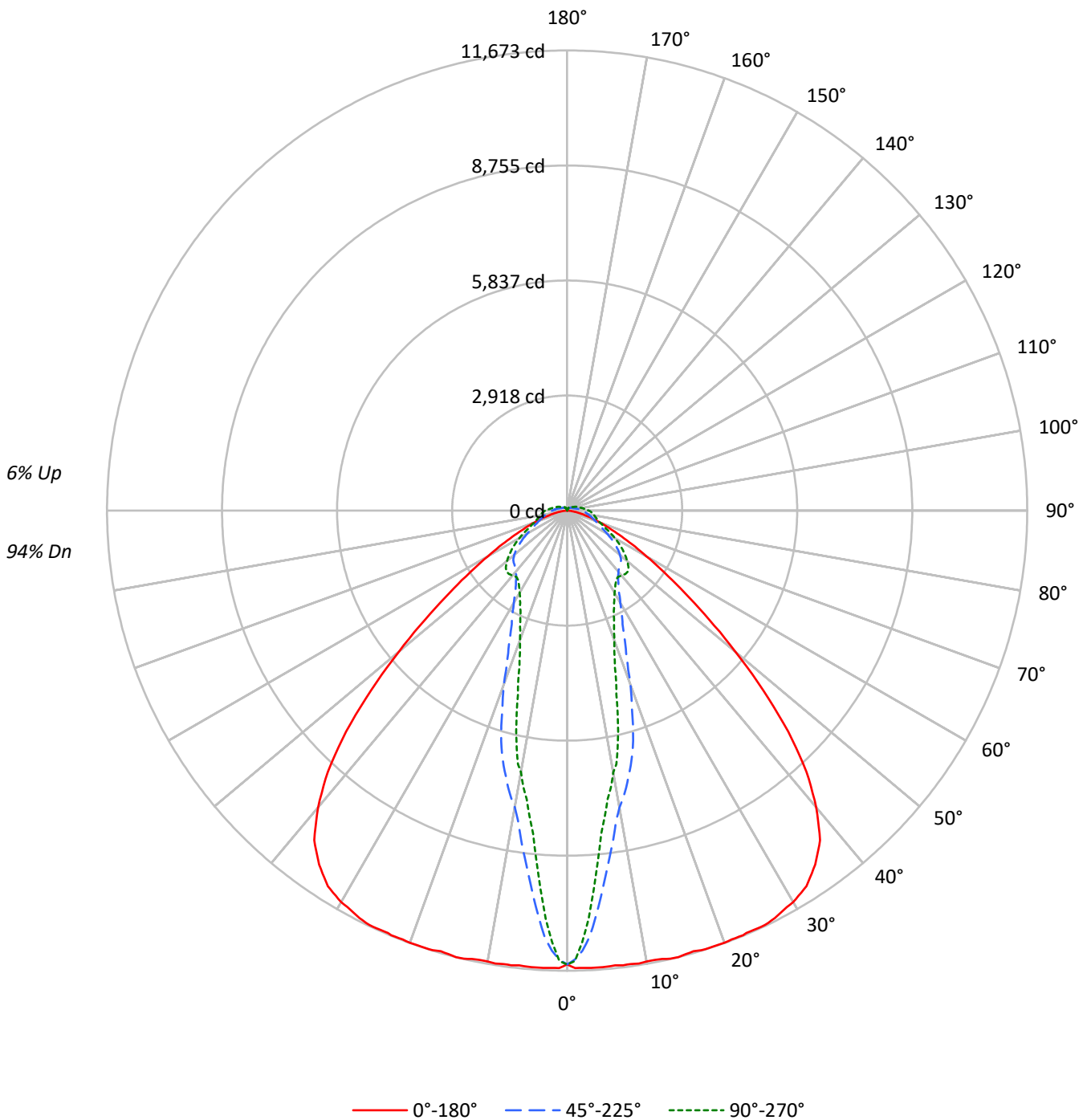
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14192.0 lumens  
Efficiency: N/A  
Efficacy: 148.1 lumens/watt  
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 95.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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

TEST NUMBER: P567354  
CATALOG NUMBER: 8SNX-134SL-LC-UNV-L830-CD

### 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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	96	96	96	94
1	108	103	99	96	105	101	97	94	95	92	90	90	88	86	86	84	82	80
2	99	92	86	80	96	89	84	79	85	80	76	81	77	74	77	74	71	69
3	92	82	75	69	89	80	73	68	76	71	66	73	68	64	70	66	62	60
4	85	74	66	60	82	72	65	59	69	63	58	66	61	56	63	59	55	53
5	79	67	59	53	76	66	58	52	63	56	51	60	55	50	58	53	49	47
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	53	48	44	42
7	69	56	48	43	67	55	48	42	53	46	42	51	45	41	50	44	40	38
8	64	52	44	39	63	51	44	39	49	43	38	48	42	37	46	41	37	35
9	61	48	41	36	59	47	40	35	46	39	35	44	39	34	43	38	34	32
10	57	45	38	33	56	44	37	33	43	37	32	42	36	32	40	35	31	30

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	61964	61964	61964
5°	62637	50957	45555
10°	63244	38512	32970
15°	64519	31515	22830
20°	66313	22828	16124
25°	68524	16372	12685
30°	70431	13094	10803
35°	71024	11087	9676
40°	67898	10089	9699
45°	59107	9759	9964
50°	45517	9292	9298
55°	33136	8137	8250
60°	24179	6800	6976
65°	17732	5759	5718
70°	13206	5096	4931
75°	9543	4729	4596
80°	6450	4440	4526
85°	3267	4247	4533



TEST NUMBER: P567354

CATALOG NUMBER: 8SNX-134SL-LC-UNV-L830-CD

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	905.4	6.4
10°-20°	1966.2	13.9
20°-30°	2250.6	15.9
30°-40°	2254.6	15.9
40°-50°	2134.3	15.0
50°-60°	1636.8	11.5
60°-70°	1055.0	7.4
70°-80°	672.8	4.7
80°-90°	446.8	3.1
90°-100°	300.3	2.1
100°-110°	197.9	1.4
110°-120°	137.7	1.0
120°-130°	96.0	0.7
130°-140°	66.7	0.5
140°-150°	40.8	0.3
150°-160°	20.7	0.1
160°-170°	8.0	0.1
170°-180°	1.5	0.0
0°-30°	5122.2	36.1
0°-40°	7376.8	52.0
0°-60°	11147.9	78.6
0°-90°	13322.4	93.9
90°-120°	635.9	4.5
90°-150°	839.4	5.9
90°-180°	870.0	6.1
0°-180°	14192.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	11513	11513	11513	11513	11513	
5°	11615	10975	9833	9171	8924	###
15°	11644	8386	6393	5251	4829	3303
25°	11651	5935	3382	2938	2800	5371
35°	10968	3302	2262	2189	2160	6805
45°	7928	2087	1906	2109	2182	6027
55°	3636	1491	1469	1651	1716	3344
65°	1455	938	924	1055	1091	1496
75°	495	509	640	735	771	544
85°	66	233	451	589	633	90
90°	0	160	378	524	546	3
95°	0	116	313	429	451	0
105°	0	87	204	291	313	5
115°	7	73	153	211	226	7
125°	7	66	131	153	160	7
135°	7	51	102	124	131	6
145°	7	36	73	94	102	5
155°	7	22	44	66	73	4
165°	14	14	29	36	44	4
175°	14	14	14	14	7	1
180°	14	14	14	14	14	



TEST NUMBER: P567354

CATALOG NUMBER: 8SNX-134SL-LC-UNV-L830-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	11513.2	11513.2	11513.2	11513.2	11513.2
1°	11607.8	11542.3	11389.6	11433.2	11426.0
2°	11607.8	11469.6	11171.4	11084.1	10953.2
3°	11615.1	11346.0	10836.8	10553.2	10371.4
4°	11615.1	11164.1	10342.3	9869.5	9636.8
5°	11615.1	10975.0	9833.2	9171.3	8924.0
6°	11600.5	10749.6	9316.8	8618.6	8247.6
7°	11622.3	10502.3	8851.3	8102.2	7811.3
8°	11615.1	10211.4	8422.2	7709.4	7389.4
9°	11636.9	9927.7	7956.7	7338.5	7098.5
10°	11615.1	9665.9	7651.2	6989.4	6742.1
11°	11615.1	9411.3	7433.1	6763.9	6553.0
12°	11629.6	9120.4	7193.0	6443.9	6153.0
13°	11666.0	8822.2	6916.7	6094.8	5753.0
14°	11673.2	8596.7	6662.1	5651.2	5294.8
15°	11644.2	8385.8	6393.0	5251.1	4829.3
16°	11629.6	8167.6	6073.0	4872.9	4494.7
17°	11658.7	7913.1	5709.3	4487.5	4138.4
18°	11666.0	7680.3	5323.9	4196.6	3891.1
19°	11666.0	7498.5	5011.1	3927.4	3665.6
20°	11666.0	7324.0	4691.1	3723.8	3498.3
21°	11651.4	7105.8	4327.5	3512.9	3323.8
22.5°	11658.7	6698.5	3912.9	3265.6	3112.9
23°	11636.9	6596.7	3811.1	3200.1	3040.1
24°	11644.2	6305.7	3592.9	3069.2	2916.5
25°	11651.4	5934.8	3382.0	2938.3	2800.1
26°	11636.9	5636.6	3207.4	2814.7	2720.1
27°	11600.5	5396.6	3083.8	2712.8	2625.6
28°	11549.6	5076.6	2952.9	2625.6	2545.6
29°	11498.7	4712.9	2821.9	2531.0	2472.8
30°	11469.6	4422.0	2698.3	2458.3	2407.4
32.5°	11295.0	3847.4	2443.7	2312.8	2269.2
35°	10967.8	3302.0	2261.9	2189.2	2160.1
37.5°	10538.7	2880.1	2123.7	2109.2	2116.5
40°	9833.2	2545.6	2021.9	2087.4	2152.8
42.5°	8989.5	2283.7	1949.2	2109.2	2181.9
45°	7927.6	2087.4	1905.5	2109.2	2181.9
47.5°	6749.4	1927.4	1854.6	2036.5	2109.2
50°	5571.2	1781.9	1752.8	1927.4	1992.8
52.5°	4531.1	1643.7	1621.9	1789.2	1854.6
55°	3636.5	1491.0	1469.2	1651.0	1716.4
57.5°	2916.5	1345.5	1323.7	1491.0	1556.4
60°	2327.4	1200.1	1163.7	1331.0	1396.4
62.5°	1854.6	1061.9	1040.0	1185.5	1243.7
65°	1454.6	938.2	923.7	1054.6	1091.0



TEST NUMBER: P567354

CATALOG NUMBER: 8SNX-134SL-LC-UNV-L830-CD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	1149.1	821.9	829.1	938.2	981.9
70°	887.3	712.8	756.4	858.2	887.3
72.5°	669.1	603.7	698.2	785.5	821.9
75°	494.6	509.1	640.0	734.6	770.9
77.5°	341.8	421.8	589.1	690.9	727.3
80°	232.7	341.8	538.2	654.6	698.2
82.5°	138.2	283.6	494.6	618.2	669.1
85°	65.5	232.7	450.9	589.1	632.8
87.5°	21.8	189.1	407.3	560.0	596.4
90°	0.0	160.0	378.2	523.7	545.5
92.5°	0.0	138.2	341.8	480.0	494.6
95°	0.0	116.4	312.7	429.1	450.9
97.5°	0.0	109.1	290.9	385.5	414.6
100°	0.0	101.8	261.8	349.1	378.2
102.5°	0.0	87.3	232.7	312.7	341.8
105°	0.0	87.3	203.6	290.9	312.7
107.5°	7.3	80.0	189.1	261.8	290.9
110°	7.3	80.0	167.3	247.3	269.1
112.5°	7.3	80.0	160.0	225.5	254.6
115°	7.3	72.7	152.7	210.9	225.5
117.5°	7.3	72.7	145.5	189.1	203.6
120°	7.3	65.5	138.2	174.6	181.8
122.5°	7.3	65.5	130.9	160.0	167.3
125°	7.3	65.5	130.9	152.7	160.0
127.5°	7.3	58.2	123.6	145.5	145.5
130°	7.3	58.2	116.4	138.2	138.2
132.5°	7.3	50.9	109.1	130.9	138.2
135°	7.3	50.9	101.8	123.6	130.9
137.5°	7.3	43.6	94.5	116.4	123.6
140°	7.3	43.6	87.3	109.1	116.4
142.5°	7.3	36.4	80.0	101.8	109.1
145°	7.3	36.4	72.7	94.5	101.8
147.5°	7.3	36.4	65.5	87.3	94.5
150°	7.3	29.1	58.2	80.0	87.3
152.5°	7.3	29.1	50.9	72.7	80.0
155°	7.3	21.8	43.6	65.5	72.7
157.5°	7.3	21.8	43.6	58.2	65.5
160°	14.5	21.8	36.4	50.9	58.2
162.5°	7.3	14.5	36.4	43.6	50.9
165°	14.5	14.5	29.1	36.4	43.6
167.5°	14.5	14.5	21.8	29.1	36.4
170°	14.5	14.5	21.8	21.8	29.1
172.5°	14.5	14.5	14.5	21.8	14.5
175°	14.5	14.5	14.5	14.5	7.3
177.5°	14.5	14.5	14.5	14.5	7.3



TEST NUMBER: P567354

CATALOG NUMBER: 8SNX-134SL-LC-UNV-L830-CD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	14.5	14.5	14.5	14.5	14.5

(END OF REPORT)