

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: P567356

Luminaire Tested: **8SNX-134SL-LC-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567356
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-L840-CD
Description: 8FT 13400 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

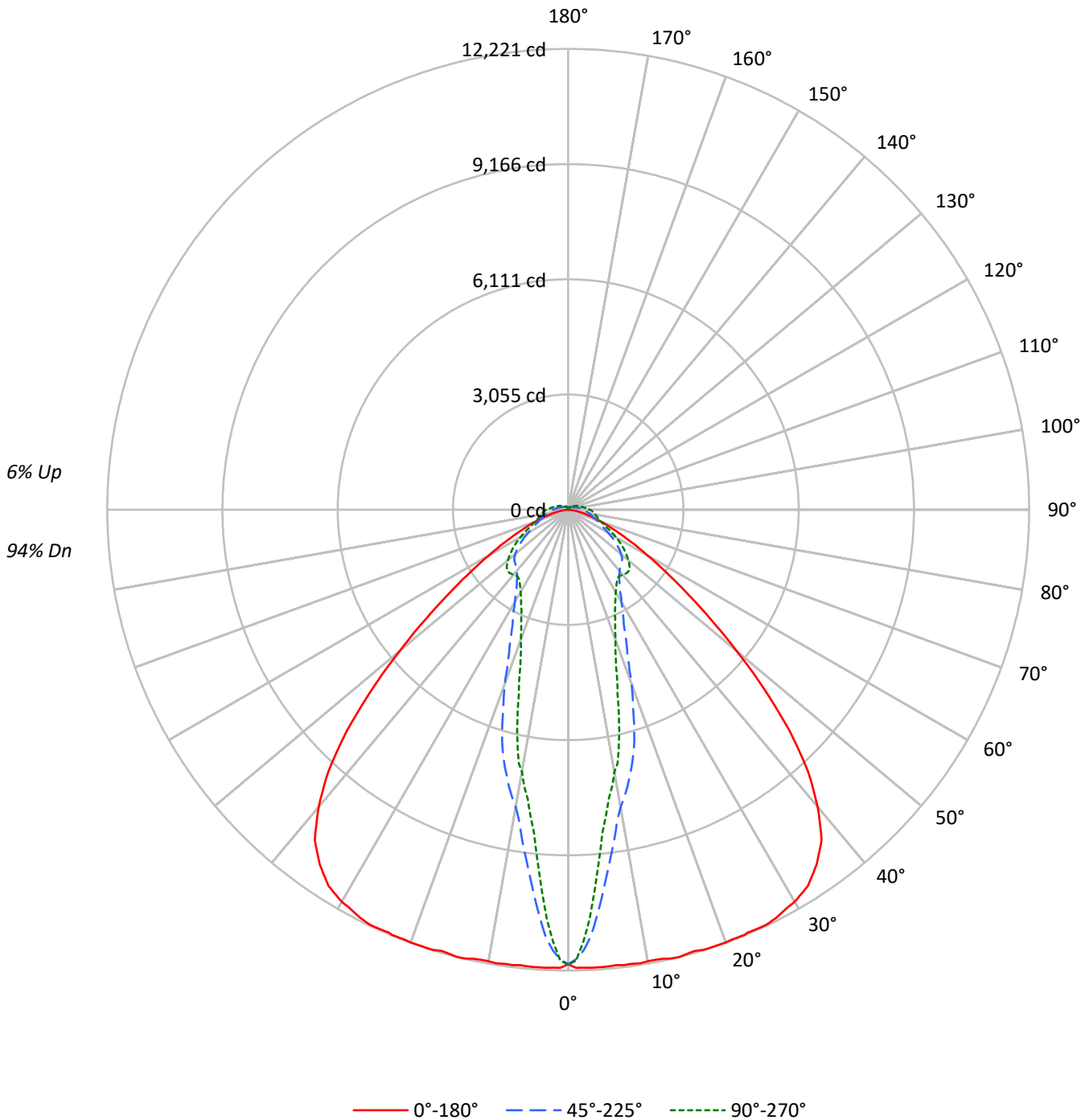
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14858.0 lumens
Efficiency: N/A
Efficacy: 155.1 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 (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

TEST NUMBER: P567356
CATALOG NUMBER: 8SNX-134SL-LC-UNV-L840-CD

Luminous Intensity Polar Plot





TEST NUMBER: P567356

CATALOG NUMBER: 8SNX-134SL-LC-UNV-L840-CD

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	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°	64871	64871	64871
5°	65576	53348	47693
10°	66212	40320	34517
15°	67547	32994	23901
20°	69424	23900	16880
25°	71740	17140	13280
30°	73736	13708	11310
35°	74357	11608	10130
40°	71084	10563	10155
45°	61882	10217	10432
50°	47652	9729	9734
55°	34691	8518	8638
60°	25314	7119	7303
65°	18564	6029	5987
70°	13827	5335	5162
75°	9990	4951	4812
80°	6755	4649	4739
85°	3416	4446	4745



TEST NUMBER: P567356

CATALOG NUMBER: 8SNX-134SL-LC-UNV-L840-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	947.9	6.4
10°-20°	2058.4	13.9
20°-30°	2356.2	15.9
30°-40°	2360.4	15.9
40°-50°	2234.4	15.0
50°-60°	1713.6	11.5
60°-70°	1104.6	7.4
70°-80°	704.4	4.7
80°-90°	467.7	3.1
90°-100°	314.4	2.1
100°-110°	207.2	1.4
110°-120°	144.1	1.0
120°-130°	100.5	0.7
130°-140°	69.8	0.5
140°-150°	42.7	0.3
150°-160°	21.7	0.1
160°-170°	8.3	0.1
170°-180°	1.6	0.0
0°-30°	5362.5	36.1
0°-40°	7722.9	52.0
0°-60°	11671.0	78.6
0°-90°	13947.7	93.9
90°-120°	665.7	4.5
90°-150°	878.7	5.9
90°-180°	910.0	6.1
0°-180°	14858.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12054	12054	12054	12054	12054	
5°	12160	11490	10295	9602	9343	###
15°	12191	8779	6693	5498	5056	3458
25°	12198	6213	3541	3076	2932	5623
35°	11482	3457	2368	2292	2262	7124
45°	8300	2185	1995	2208	2284	6310
55°	3807	1561	1538	1728	1797	3501
65°	1523	982	967	1104	1142	1566
75°	518	533	670	769	807	569
85°	68	244	472	617	662	94
90°	0	168	396	548	571	3
95°	0	122	327	449	472	0
105°	0	91	213	305	327	5
115°	8	76	160	221	236	8
125°	8	68	137	160	168	7
135°	8	53	107	129	137	6
145°	8	38	76	99	107	5
155°	8	23	46	68	76	4
165°	15	15	30	38	46	4
175°	15	15	15	15	8	1
180°	15	15	15	15	15	



TEST NUMBER: P567356

CATALOG NUMBER: 8SNX-134SL-LC-UNV-L840-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	12053.5	12053.5	12053.5	12053.5	12053.5
1°	12152.5	12084.0	11924.1	11969.8	11962.2
2°	12152.5	12007.8	11695.7	11604.3	11467.2
3°	12160.1	11878.4	11345.4	11048.4	10858.1
4°	12160.1	11688.0	10827.6	10332.7	10089.0
5°	12160.1	11490.1	10294.6	9601.7	9342.8
6°	12144.9	11254.0	9754.0	9023.0	8634.7
7°	12167.7	10995.1	9266.7	8482.4	8177.8
8°	12160.1	10690.6	8817.4	8071.2	7736.2
9°	12183.0	10393.6	8330.1	7682.9	7431.6
10°	12160.1	10119.5	8010.3	7317.4	7058.5
11°	12160.1	9853.0	7781.9	7081.4	6860.5
12°	12175.4	9548.4	7530.6	6746.3	6441.7
13°	12213.4	9236.2	7241.3	6380.8	6023.0
14°	12221.0	9000.2	6974.8	5916.4	5543.3
15°	12190.6	8779.4	6693.0	5497.6	5055.9
16°	12175.4	8550.9	6358.0	5101.6	4705.7
17°	12205.8	8284.4	5977.3	4698.1	4332.6
18°	12213.4	8040.8	5573.7	4393.5	4073.7
19°	12213.4	7850.4	5246.3	4111.8	3837.6
20°	12213.4	7667.7	4911.3	3898.6	3662.5
21°	12198.2	7439.2	4530.5	3677.7	3479.8
22.5°	12205.8	7012.8	4096.5	3418.8	3258.9
23°	12183.0	6906.2	3989.9	3350.3	3182.8
24°	12190.6	6601.6	3761.5	3213.3	3053.4
25°	12198.2	6213.3	3540.7	3076.2	2931.5
26°	12183.0	5901.1	3357.9	2946.8	2847.8
27°	12144.9	5649.9	3228.5	2840.2	2748.8
28°	12091.6	5314.8	3091.4	2748.8	2665.0
29°	12038.3	4934.1	2954.4	2649.8	2588.9
30°	12007.8	4629.5	2824.9	2573.7	2520.4
32.5°	11825.1	4028.0	2558.4	2421.4	2375.7
35°	11482.5	3456.9	2368.1	2291.9	2261.5
37.5°	11033.2	3015.3	2223.4	2208.2	2215.8
40°	10294.6	2665.0	2116.8	2185.3	2253.9
42.5°	9411.3	2390.9	2040.6	2208.2	2284.3
45°	8299.7	2185.3	1995.0	2208.2	2284.3
47.5°	7066.1	2017.8	1941.7	2132.0	2208.2
50°	5832.6	1865.5	1835.1	2017.8	2086.3
52.5°	4743.7	1720.8	1698.0	1873.1	1941.7
55°	3807.2	1560.9	1538.1	1728.5	1797.0
57.5°	3053.4	1408.7	1385.8	1560.9	1629.5
60°	2436.6	1256.4	1218.3	1393.4	1462.0
62.5°	1941.7	1111.7	1088.9	1241.1	1302.1
65°	1522.9	982.3	967.0	1104.1	1142.2



TEST NUMBER: P567356

CATALOG NUMBER: 8SNX-134SL-LC-UNV-L840-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	1203.1	860.4	868.0	982.3	1027.9
70°	929.0	746.2	791.9	898.5	929.0
72.5°	700.5	632.0	731.0	822.4	860.4
75°	517.8	533.0	670.1	769.1	807.1
77.5°	357.9	441.6	616.8	723.4	761.4
80°	243.7	357.9	563.5	685.3	731.0
82.5°	144.7	297.0	517.8	647.2	700.5
85°	68.5	243.7	472.1	616.8	662.4
87.5°	22.8	198.0	426.4	586.3	624.4
90°	0.0	167.5	395.9	548.2	571.1
92.5°	0.0	144.7	357.9	502.5	517.8
95°	0.0	121.8	327.4	449.2	472.1
97.5°	0.0	114.2	304.6	403.6	434.0
100°	0.0	106.6	274.1	365.5	395.9
102.5°	0.0	91.4	243.7	327.4	357.9
105°	0.0	91.4	213.2	304.6	327.4
107.5°	7.6	83.8	198.0	274.1	304.6
110°	7.6	83.8	175.1	258.9	281.7
112.5°	7.6	83.8	167.5	236.0	266.5
115°	7.6	76.1	159.9	220.8	236.0
117.5°	7.6	76.1	152.3	198.0	213.2
120°	7.6	68.5	144.7	182.7	190.4
122.5°	7.6	68.5	137.1	167.5	175.1
125°	7.6	68.5	137.1	159.9	167.5
127.5°	7.6	60.9	129.4	152.3	152.3
130°	7.6	60.9	121.8	144.7	144.7
132.5°	7.6	53.3	114.2	137.1	144.7
135°	7.6	53.3	106.6	129.4	137.1
137.5°	7.6	45.7	99.0	121.8	129.4
140°	7.6	45.7	91.4	114.2	121.8
142.5°	7.6	38.1	83.8	106.6	114.2
145°	7.6	38.1	76.1	99.0	106.6
147.5°	7.6	38.1	68.5	91.4	99.0
150°	7.6	30.5	60.9	83.8	91.4
152.5°	7.6	30.5	53.3	76.1	83.8
155°	7.6	22.8	45.7	68.5	76.1
157.5°	7.6	22.8	45.7	60.9	68.5
160°	15.2	22.8	38.1	53.3	60.9
162.5°	7.6	15.2	38.1	45.7	53.3
165°	15.2	15.2	30.5	38.1	45.7
167.5°	15.2	15.2	22.8	30.5	38.1
170°	15.2	15.2	22.8	22.8	30.5
172.5°	15.2	15.2	15.2	22.8	15.2
175°	15.2	15.2	15.2	15.2	7.6
177.5°	15.2	15.2	15.2	15.2	7.6



TEST NUMBER: P567356

CATALOG NUMBER: 8SNX-134SL-LC-UNV-L840-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	15.2	15.2	15.2	15.2	15.2

(END OF REPORT)