

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: P567357

Luminaire Tested: **8SNX-134SL-LC-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567357
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-L850-CD
Description: 8FT 13400 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

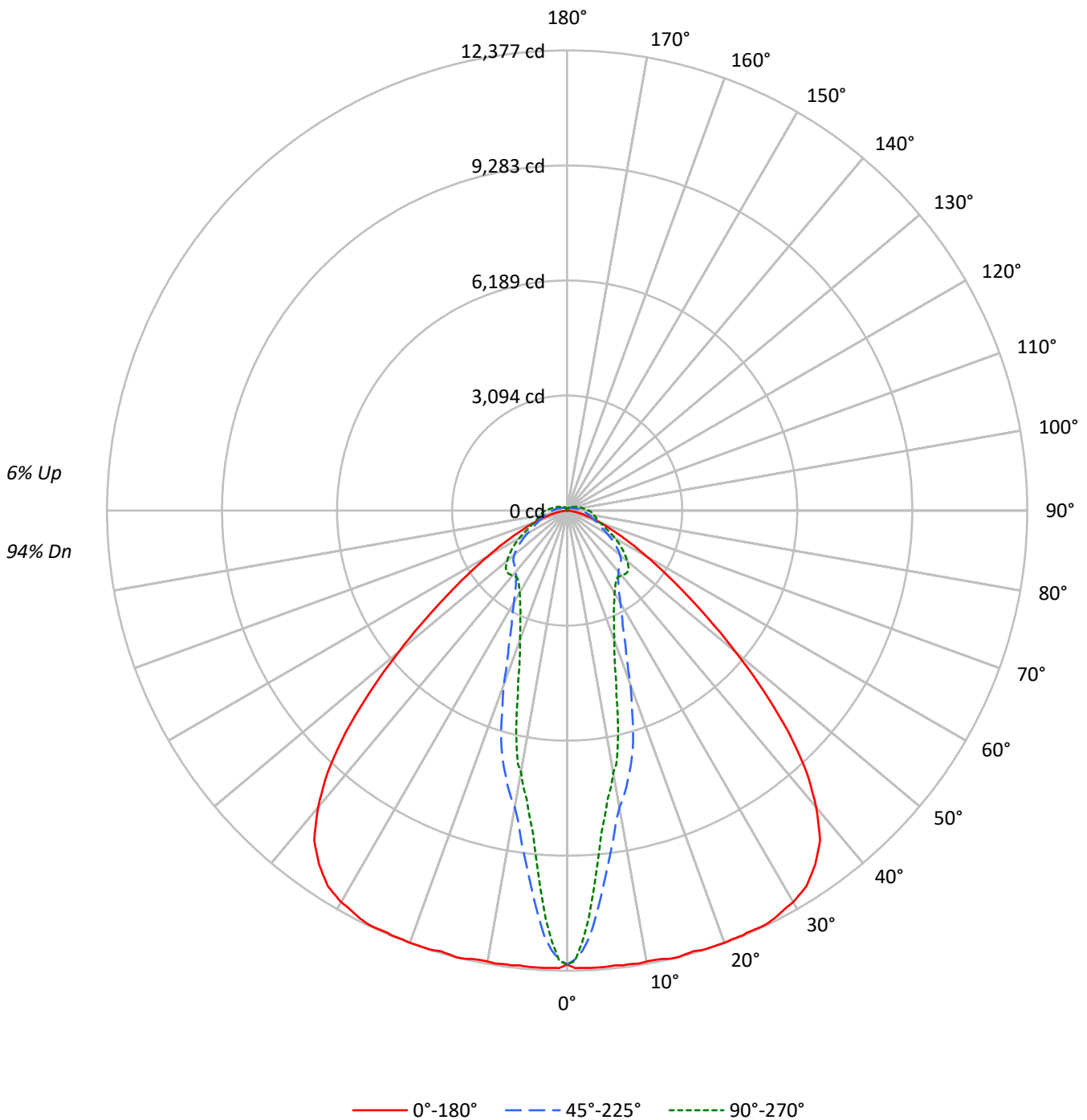
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15048.0 lumens
Efficiency: N/A
Efficacy: 157.1 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

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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	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°	65701	65701	65701
5°	66414	54030	48303
10°	67058	40835	34959
15°	68410	33416	24207
20°	70312	24205	17096
25°	72657	17360	13450
30°	74679	13884	11454
35°	75308	11756	10259
40°	71993	10698	10284
45°	62673	10348	10565
50°	48262	9853	9859
55°	35135	8627	8748
60°	25638	7210	7397
65°	18801	6106	6063
70°	14003	5403	5228
75°	10118	5014	4873
80°	6841	4708	4799
85°	3461	4503	4806



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	960.0	6.4
10°-20°	2084.8	13.9
20°-30°	2386.3	15.9
30°-40°	2390.6	15.9
40°-50°	2263.0	15.0
50°-60°	1735.5	11.5
60°-70°	1118.7	7.4
70°-80°	713.4	4.7
80°-90°	473.7	3.1
90°-100°	318.4	2.1
100°-110°	209.8	1.4
110°-120°	145.9	1.0
120°-130°	101.8	0.7
130°-140°	70.7	0.5
140°-150°	43.3	0.3
150°-160°	21.9	0.1
160°-170°	8.4	0.1
170°-180°	1.6	0.0
0°-30°	5431.1	36.1
0°-40°	7821.7	52.0
0°-60°	11820.2	78.6
0°-90°	14126.0	93.9
90°-120°	674.2	4.5
90°-150°	890.0	5.9
90°-180°	922.0	6.1
0°-180°	15048.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12208	12208	12208	12208	12208	
5°	12316	11637	10426	9724	9462	###
15°	12346	8892	6779	5568	5121	3502
25°	12354	6293	3586	3116	2969	5695
35°	11629	3501	2398	2321	2290	7215
45°	8406	2213	2020	2236	2314	6391
55°	3856	1581	1558	1751	1820	3546
65°	1542	995	979	1118	1157	1586
75°	524	540	679	779	817	577
85°	69	247	478	625	671	95
90°	0	170	401	555	578	3
95°	0	123	332	455	478	0
105°	0	92	216	308	332	5
115°	8	77	162	224	239	8
125°	8	69	139	162	170	7
135°	8	54	108	131	139	6
145°	8	39	77	100	108	5
155°	8	23	46	69	77	4
165°	15	15	31	39	46	4
175°	15	15	15	15	8	1
180°	15	15	15	15	15	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	12207.7	12207.7	12207.7	12207.7	12207.7
1°	12307.9	12238.5	12076.6	12122.8	12115.1
2°	12307.9	12161.4	11845.2	11752.7	11613.9
3°	12315.6	12030.3	11490.5	11189.7	10996.9
4°	12315.6	11837.5	10966.1	10464.8	10218.0
5°	12315.6	11637.0	10426.3	9724.5	9462.3
6°	12300.2	11397.9	9878.7	9138.4	8745.1
7°	12323.3	11135.7	9385.2	8590.9	8282.4
8°	12315.6	10827.3	8930.2	8174.4	7835.1
9°	12338.8	10526.5	8436.6	7781.1	7526.6
10°	12315.6	10248.9	8112.7	7411.0	7148.8
11°	12315.6	9979.0	7881.4	7171.9	6948.3
12°	12331.1	9670.5	7626.9	6832.6	6524.1
13°	12369.6	9354.3	7333.9	6462.4	6100.0
14°	12377.3	9115.3	7063.9	5992.0	5614.1
15°	12346.5	8891.6	6778.6	5567.9	5120.6
16°	12331.1	8660.3	6439.3	5166.9	4765.8
17°	12361.9	8390.4	6053.7	4758.1	4388.0
18°	12369.6	8143.6	5645.0	4449.7	4125.8
19°	12369.6	7950.8	5313.4	4164.3	3886.7
20°	12369.6	7765.7	4974.1	3948.4	3709.3
21°	12354.2	7534.4	4588.5	3724.8	3524.3
22.5°	12361.9	7102.5	4148.9	3462.6	3300.6
23°	12338.8	6994.5	4040.9	3393.2	3223.5
24°	12346.5	6686.1	3809.6	3254.3	3092.4
25°	12354.2	6292.8	3586.0	3115.5	2969.0
26°	12338.8	5976.6	3400.9	2984.4	2884.2
27°	12300.2	5722.1	3269.8	2876.5	2783.9
28°	12246.2	5382.8	3131.0	2783.9	2699.1
29°	12192.2	4997.2	2992.2	2683.7	2622.0
30°	12161.4	4688.7	2861.1	2606.6	2552.6
32.5°	11976.3	4079.5	2591.1	2452.3	2406.1
35°	11629.3	3501.1	2398.3	2321.2	2290.4
37.5°	11174.3	3053.8	2251.8	2236.4	2244.1
40°	10426.3	2699.1	2143.9	2213.3	2282.7
42.5°	9531.7	2421.5	2066.7	2236.4	2313.5
45°	8405.8	2213.3	2020.5	2236.4	2313.5
47.5°	7156.5	2043.6	1966.5	2159.3	2236.4
50°	5907.2	1889.4	1858.5	2043.6	2113.0
52.5°	4804.4	1742.9	1719.7	1897.1	1966.5
55°	3855.9	1580.9	1557.8	1750.6	1820.0
57.5°	3092.4	1426.7	1403.5	1580.9	1650.3
60°	2467.8	1272.4	1233.9	1411.2	1480.7
62.5°	1966.5	1125.9	1102.8	1257.0	1318.7
65°	1542.3	994.8	979.4	1118.2	1156.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	1218.5	871.4	879.1	994.8	1041.1
70°	940.8	755.7	802.0	910.0	940.8
72.5°	709.5	640.1	740.3	832.9	871.4
75°	524.4	539.8	678.6	778.9	817.4
77.5°	362.5	447.3	624.7	732.6	771.2
80°	246.8	362.5	570.7	694.1	740.3
82.5°	146.5	300.8	524.4	655.5	709.5
85°	69.4	246.8	478.1	624.7	670.9
87.5°	23.1	200.5	431.9	593.8	632.4
90°	0.0	169.7	401.0	555.2	578.4
92.5°	0.0	146.5	362.5	509.0	524.4
95°	0.0	123.4	331.6	455.0	478.1
97.5°	0.0	115.7	308.5	408.7	439.6
100°	0.0	108.0	277.6	370.2	401.0
102.5°	0.0	92.5	246.8	331.6	362.5
105°	0.0	92.5	215.9	308.5	331.6
107.5°	7.7	84.8	200.5	277.6	308.5
110°	7.7	84.8	177.4	262.2	285.3
112.5°	7.7	84.8	169.7	239.1	269.9
115°	7.7	77.1	161.9	223.6	239.1
117.5°	7.7	77.1	154.2	200.5	215.9
120°	7.7	69.4	146.5	185.1	192.8
122.5°	7.7	69.4	138.8	169.7	177.4
125°	7.7	69.4	138.8	161.9	169.7
127.5°	7.7	61.7	131.1	154.2	154.2
130°	7.7	61.7	123.4	146.5	146.5
132.5°	7.7	54.0	115.7	138.8	146.5
135°	7.7	54.0	108.0	131.1	138.8
137.5°	7.7	46.3	100.3	123.4	131.1
140°	7.7	46.3	92.5	115.7	123.4
142.5°	7.7	38.6	84.8	108.0	115.7
145°	7.7	38.6	77.1	100.3	108.0
147.5°	7.7	38.6	69.4	92.5	100.3
150°	7.7	30.8	61.7	84.8	92.5
152.5°	7.7	30.8	54.0	77.1	84.8
155°	7.7	23.1	46.3	69.4	77.1
157.5°	7.7	23.1	46.3	61.7	69.4
160°	15.4	23.1	38.6	54.0	61.7
162.5°	7.7	15.4	38.6	46.3	54.0
165°	15.4	15.4	30.8	38.6	46.3
167.5°	15.4	15.4	23.1	30.8	38.6
170°	15.4	15.4	23.1	23.1	30.8
172.5°	15.4	15.4	15.4	23.1	15.4
175°	15.4	15.4	15.4	15.4	7.7
177.5°	15.4	15.4	15.4	15.4	7.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	15.4	15.4	15.4	15.4	15.4

(END OF REPORT)