

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: P567365

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567365
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-6)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-134SL-LN-UNV-L850-CD
Description: 8FT 13400 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

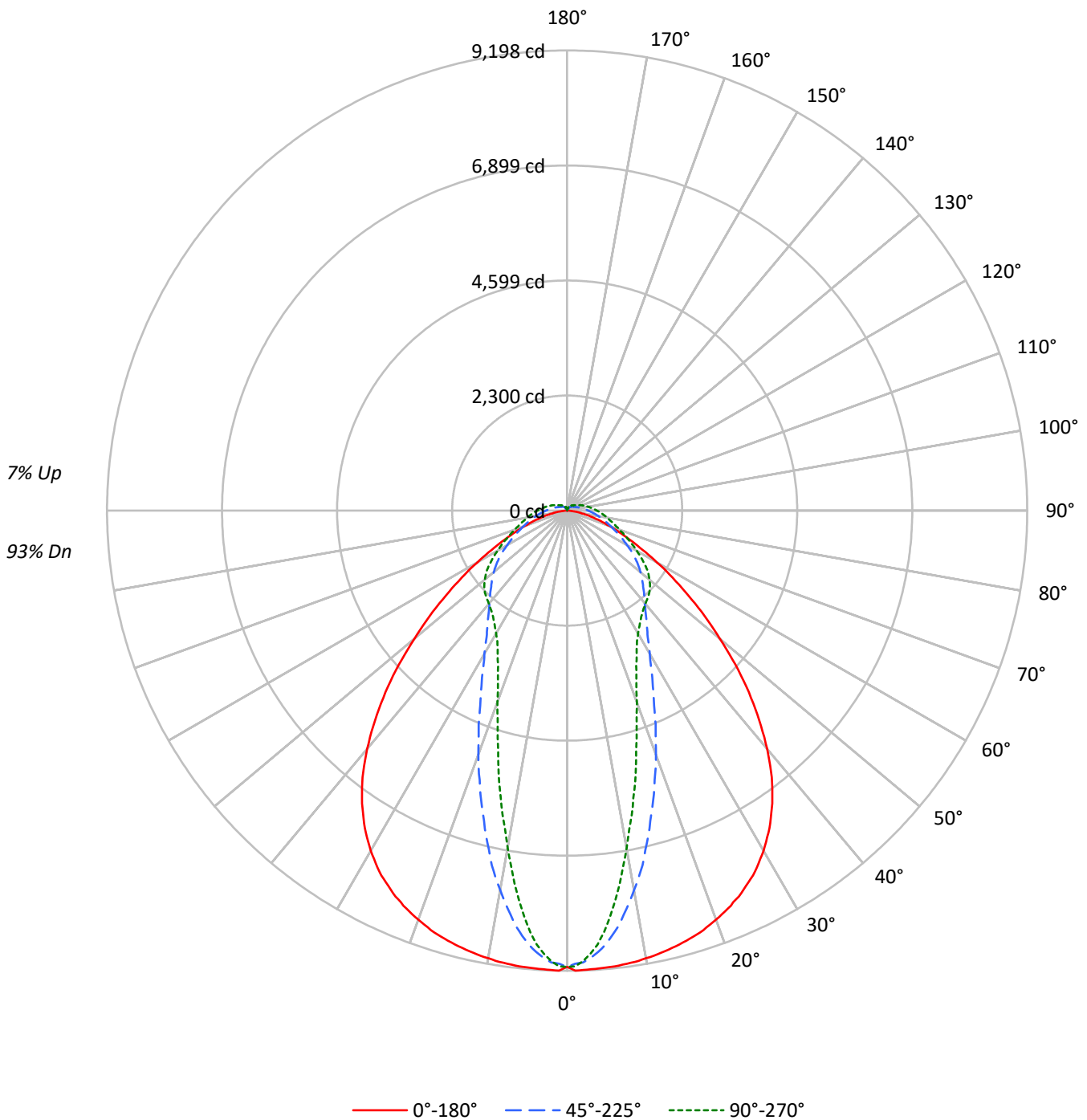
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14540.0 lumens
Efficiency: N/A
Efficacy: 151.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78
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_{in}): 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: P567365
CATALOG NUMBER: 8SNX-134SL-LN-UNV-L850-CD

Luminous Intensity Polar Plot





TEST NUMBER: P567365

CATALOG NUMBER: 8SNX-134SL-LN-UNV-L850-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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93				
1	107	103	99	95	104	100	96	93	94	91	88	89	87	85	85	83	81	78				
2	99	91	84	79	95	88	82	77	84	79	75	79	75	72	76	72	69	67				
3	91	81	73	67	88	79	72	66	75	69	64	71	66	62	68	64	60	58				
4	84	73	64	58	81	71	63	57	67	61	56	64	59	54	62	57	53	51				
5	78	66	57	51	75	64	56	51	61	55	49	59	53	48	56	51	47	45				
6	72	60	51	45	70	59	51	45	56	49	44	54	48	43	52	46	42	40				
7	67	55	47	41	65	54	46	41	52	45	40	50	44	39	48	42	38	36				
8	63	51	43	37	61	50	42	37	48	41	36	46	40	36	44	39	35	33				
9	59	47	39	34	58	46	39	34	44	38	33	43	37	33	41	36	32	30				
10	56	44	36	31	54	43	36	31	41	35	31	40	34	30	39	34	30	28				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	49091	49091	49091
5°	49435	45175	43178
10°	49458	38778	33500
15°	49527	31667	25108
20°	49466	25253	18790
25°	49118	19809	14912
30°	48197	16048	12720
35°	46286	13596	11571
40°	42936	12016	10952
45°	38294	11006	10614
50°	32561	10140	10026
55°	26871	9200	9157
60°	21612	8104	8032
65°	16907	7126	6989
70°	13270	6315	6182
75°	10438	5686	5633
80°	7603	5218	5236
85°	4559	4880	5022



TEST NUMBER: P567365

CATALOG NUMBER: 8SNX-134SL-LN-UNV-L850-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	807.8	5.6
10°-20°	1893.4	13.0
20°-30°	2247.5	15.5
30°-40°	2261.2	15.6
40°-50°	2101.9	14.5
50°-60°	1730.8	11.9
60°-70°	1219.6	8.4
70°-80°	796.8	5.5
80°-90°	508.7	3.5
90°-100°	333.6	2.3
100°-110°	226.5	1.6
110°-120°	155.2	1.1
120°-130°	107.4	0.7
130°-140°	72.3	0.5
140°-150°	44.5	0.3
150°-160°	23.1	0.2
160°-170°	8.4	0.1
170°-180°	1.4	0.0
0°-30°	4948.6	34.0
0°-40°	7209.9	49.6
0°-60°	11042.5	75.9
0°-90°	13567.5	93.3
90°-120°	715.3	4.9
90°-150°	939.5	6.5
90°-180°	972.0	6.7
0°-180°	14540.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9121	9121	9121	9121	9121	
5°	9167	9045	8718	8550	8458	873
15°	8938	7986	6424	5616	5311	2524
25°	8352	6172	4092	3437	3292	3843
35°	7148	4176	2774	2598	2583	4445
45°	5136	2751	2149	2263	2324	3943
55°	2949	1806	1661	1844	1905	2663
65°	1387	1090	1143	1288	1334	1407
75°	541	564	770	907	945	585
85°	91	259	518	671	701	115
90°	0	175	419	572	594	5
95°	0	130	350	480	503	0
105°	0	91	236	335	366	0
115°	8	76	168	244	259	7
125°	8	61	137	175	190	7
135°	8	53	107	137	145	6
145°	8	38	76	107	114	5
155°	8	30	53	76	84	4
165°	8	15	30	38	46	2
175°	15	15	15	15	8	1
180°	8	8	8	8	8	



TEST NUMBER: P567365

CATALOG NUMBER: 8SNX-134SL-LN-UNV-L850-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9121.4	9121.4	9121.4	9121.4	9121.4
1°	9197.6	9159.5	9060.4	9129.0	9113.8
2°	9190.0	9151.9	9037.6	9068.0	9014.7
3°	9182.3	9129.0	8953.7	8946.1	8869.9
4°	9174.7	9090.9	8847.1	8755.6	8694.6
5°	9167.1	9045.2	8717.5	8549.9	8458.4
6°	9159.5	8991.8	8549.9	8298.4	8168.9
7°	9144.2	8908.0	8374.6	8031.7	7864.0
8°	9129.0	8831.8	8153.6	7742.1	7536.4
9°	9113.8	8732.7	7932.6	7429.7	7185.8
10°	9083.3	8633.7	7704.0	7109.6	6850.6
11°	9068.0	8519.4	7483.0	6804.8	6500.0
12°	9037.6	8397.5	7246.8	6484.8	6218.1
13°	9007.1	8267.9	6957.2	6210.5	5890.4
14°	8976.6	8130.8	6705.8	5905.7	5608.5
15°	8938.5	7986.0	6423.8	5616.1	5311.3
16°	8900.4	7818.3	6172.4	5318.9	4998.9
17°	8862.3	7658.3	5936.1	5044.6	4755.0
18°	8816.6	7498.3	5661.8	4777.9	4495.9
19°	8755.6	7315.4	5440.8	4534.0	4274.9
20°	8702.3	7147.7	5189.4	4305.4	4076.8
21°	8641.3	6942.0	4937.9	4092.0	3863.4
22.5°	8549.9	6652.4	4617.8	3825.3	3612.0
23°	8504.1	6568.6	4488.3	3726.3	3543.4
24°	8443.2	6347.6	4274.9	3573.9	3391.0
25°	8351.7	6172.4	4092.0	3436.7	3291.9
26°	8267.9	5959.0	3909.2	3314.8	3170.0
27°	8184.1	5753.2	3749.1	3185.2	3063.3
28°	8077.4	5539.9	3573.9	3078.6	2971.9
29°	7963.1	5341.8	3429.1	2987.1	2903.3
30°	7848.8	5120.8	3307.2	2903.3	2834.7
32.5°	7528.8	4633.1	2994.7	2743.3	2697.6
35°	7147.7	4175.9	2773.8	2598.5	2583.2
37.5°	6721.0	3756.8	2575.6	2484.2	2499.4
40°	6218.1	3375.7	2408.0	2400.4	2430.8
42.5°	5684.7	3048.1	2278.4	2331.8	2377.5
45°	5136.0	2750.9	2148.9	2263.2	2324.2
47.5°	4564.5	2491.8	2034.6	2179.4	2248.0
50°	3985.4	2240.3	1912.7	2080.3	2148.9
52.5°	3467.2	2019.4	1790.7	1966.0	2042.2
55°	2949.0	1806.0	1661.2	1844.1	1905.0
57.5°	2499.4	1607.9	1524.0	1706.9	1752.6
60°	2080.3	1417.4	1386.9	1554.5	1607.9
62.5°	1699.3	1249.7	1257.3	1417.4	1470.7
65°	1386.9	1089.7	1143.0	1287.8	1333.5



TEST NUMBER: P567365

CATALOG NUMBER: 8SNX-134SL-LN-UNV-L850-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	1127.8	937.3	1028.7	1181.1	1219.2
70°	891.6	800.1	937.3	1074.4	1112.5
72.5°	708.7	678.2	845.8	990.6	1021.1
75°	541.0	563.9	769.6	906.8	944.9
77.5°	388.6	472.5	693.4	838.2	868.7
80°	274.3	388.6	632.5	777.3	807.7
82.5°	175.3	320.0	571.5	723.9	754.4
85°	91.4	259.1	518.2	670.6	701.1
87.5°	38.1	213.4	464.8	617.2	647.7
90°	0.0	175.3	419.1	571.5	594.4
92.5°	0.0	152.4	381.0	525.8	548.7
95°	0.0	129.5	350.5	480.1	502.9
97.5°	0.0	121.9	312.4	442.0	464.8
100°	0.0	106.7	281.9	403.9	434.4
102.5°	0.0	99.1	259.1	365.8	396.3
105°	0.0	91.4	236.2	335.3	365.8
107.5°	0.0	83.8	221.0	312.4	335.3
110°	0.0	83.8	198.1	289.6	312.4
112.5°	7.6	76.2	182.9	259.1	281.9
115°	7.6	76.2	167.6	243.8	259.1
117.5°	7.6	76.2	160.0	221.0	236.2
120°	7.6	68.6	152.4	205.7	221.0
122.5°	7.6	68.6	144.8	190.5	198.1
125°	7.6	61.0	137.2	175.3	190.5
127.5°	7.6	61.0	129.5	167.6	175.3
130°	7.6	61.0	121.9	152.4	167.6
132.5°	7.6	53.3	114.3	144.8	152.4
135°	7.6	53.3	106.7	137.2	144.8
137.5°	7.6	45.7	99.1	129.5	137.2
140°	7.6	45.7	91.4	121.9	129.5
142.5°	7.6	38.1	83.8	114.3	121.9
145°	7.6	38.1	76.2	106.7	114.3
147.5°	7.6	38.1	68.6	99.1	106.7
150°	7.6	30.5	61.0	91.4	99.1
152.5°	7.6	30.5	53.3	83.8	91.4
155°	7.6	30.5	53.3	76.2	83.8
157.5°	7.6	22.9	45.7	61.0	76.2
160°	7.6	22.9	38.1	53.3	68.6
162.5°	7.6	22.9	38.1	45.7	53.3
165°	7.6	15.2	30.5	38.1	45.7
167.5°	7.6	15.2	22.9	30.5	38.1
170°	7.6	15.2	22.9	22.9	30.5
172.5°	7.6	15.2	15.2	15.2	15.2
175°	15.2	15.2	15.2	15.2	7.6
177.5°	15.2	15.2	15.2	7.6	7.6



TEST NUMBER: P567365

CATALOG NUMBER: 8SNX-134SL-LN-UNV-L850-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	7.6	7.6	7.6	7.6	7.6

(END OF REPORT)