

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: P567364

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567364
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-L840-CD
Description: 8FT 13400 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

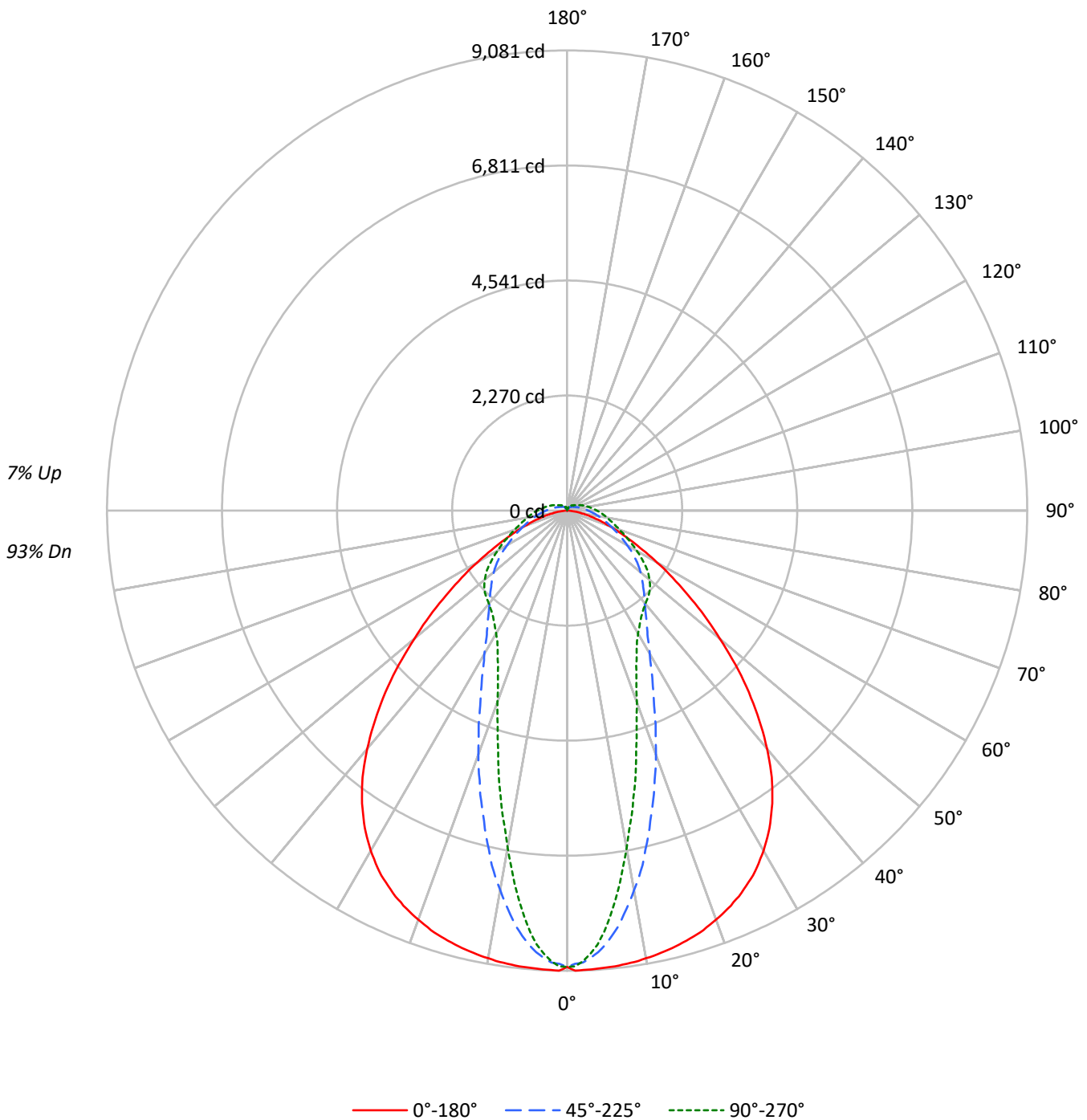
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14356.0 lumens
Efficiency: N/A
Efficacy: 149.9 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 (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: P567364
CATALOG NUMBER: 8SNX-134SL-LN-UNV-L840-CD

Luminous Intensity Polar Plot





TEST NUMBER: P567364

CATALOG NUMBER: 8SNX-134SL-LN-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	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°	48469	48469	48469
5°	48810	44603	42632
10°	48832	38287	33076
15°	48900	31266	24791
20°	48840	24933	18552
25°	48496	19559	14724
30°	47587	15845	12559
35°	45701	13424	11425
40°	42392	11864	10813
45°	37809	10866	10479
50°	32148	10012	9899
55°	26532	9084	9041
60°	21339	8002	7930
65°	16692	7037	6901
70°	13102	6235	6104
75°	10307	5615	5562
80°	7509	5152	5170
85°	4504	4818	4959



TEST NUMBER: P567364

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	797.5	5.6
10°-20°	1869.4	13.0
20°-30°	2219.0	15.5
30°-40°	2232.6	15.6
40°-50°	2075.3	14.5
50°-60°	1708.9	11.9
60°-70°	1204.1	8.4
70°-80°	786.7	5.5
80°-90°	502.3	3.5
90°-100°	329.4	2.3
100°-110°	223.6	1.6
110°-120°	153.3	1.1
120°-130°	106.0	0.7
130°-140°	71.4	0.5
140°-150°	44.0	0.3
150°-160°	22.8	0.2
160°-170°	8.2	0.1
170°-180°	1.4	0.0
0°-30°	4886.0	34.0
0°-40°	7118.6	49.6
0°-60°	10902.8	75.9
0°-90°	13395.9	93.3
90°-120°	706.3	4.9
90°-150°	927.6	6.5
90°-180°	960.0	6.7
0°-180°	14356.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9006	9006	9006	9006	9006	
5°	9051	8931	8607	8442	8351	862
15°	8825	7885	6342	5545	5244	2492
25°	8246	6094	4040	3393	3250	3795
35°	7057	4123	2739	2566	2551	4389
45°	5071	2716	2122	2235	2295	3893
55°	2912	1783	1640	1821	1881	2630
65°	1369	1076	1129	1272	1317	1389
75°	534	557	760	895	933	578
85°	90	256	512	662	692	114
90°	0	173	414	564	587	5
95°	0	128	346	474	497	0
105°	0	90	233	331	361	0
115°	8	75	166	241	256	6
125°	8	60	135	173	188	7
135°	8	53	105	135	143	6
145°	8	38	75	105	113	5
155°	8	30	53	75	83	3
165°	8	15	30	38	45	2
175°	15	15	15	15	8	1
180°	8	8	8	8	8	



TEST NUMBER: P567364

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

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9005.9	9005.9	9005.9	9005.9	9005.9
1°	9081.2	9043.6	8945.8	9013.5	8998.4
2°	9073.7	9036.0	8923.2	8953.3	8900.6
3°	9066.1	9013.5	8840.4	8832.9	8757.7
4°	9058.6	8975.9	8735.1	8644.8	8584.6
5°	9051.1	8930.7	8607.2	8441.7	8351.4
6°	9043.6	8878.0	8441.7	8193.4	8065.5
7°	9028.5	8795.3	8268.6	7930.1	7764.5
8°	9013.5	8720.0	8050.4	7644.1	7441.0
9°	8998.4	8622.2	7832.2	7335.7	7094.9
10°	8968.3	8524.4	7606.5	7019.7	6763.9
11°	8953.3	8411.6	7388.3	6718.7	6417.8
12°	8923.2	8291.2	7155.1	6402.7	6139.4
13°	8893.1	8163.3	6869.2	6131.9	5815.9
14°	8863.0	8027.9	6620.9	5830.9	5537.5
15°	8825.4	7884.9	6342.5	5545.0	5244.1
16°	8787.8	7719.4	6094.3	5251.6	4935.6
17°	8750.1	7561.4	5861.0	4980.7	4694.8
18°	8705.0	7403.4	5590.2	4717.4	4439.0
19°	8644.8	7222.8	5372.0	4476.6	4220.8
20°	8592.1	7057.3	5123.7	4250.9	4025.2
21°	8532.0	6854.2	4875.4	4040.3	3814.5
22.5°	8441.7	6568.2	4559.4	3776.9	3566.3
23°	8396.5	6485.5	4431.5	3679.1	3498.6
24°	8336.3	6267.3	4220.8	3528.6	3348.1
25°	8246.0	6094.3	4040.3	3393.2	3250.3
26°	8163.3	5883.6	3859.7	3272.8	3129.9
27°	8080.5	5680.4	3701.7	3144.9	3024.6
28°	7975.2	5469.8	3528.6	3039.6	2934.3
29°	7862.3	5274.2	3385.7	2949.3	2866.6
30°	7749.5	5056.0	3265.3	2866.6	2798.8
32.5°	7433.5	4574.5	2956.8	2708.6	2663.4
35°	7057.3	4123.0	2738.7	2565.6	2550.6
37.5°	6636.0	3709.2	2543.0	2452.7	2467.8
40°	6139.4	3333.0	2377.5	2370.0	2400.1
42.5°	5612.7	3009.5	2249.6	2302.3	2347.4
45°	5071.0	2716.1	2121.7	2234.6	2294.7
47.5°	4506.7	2460.3	2008.8	2151.8	2219.5
50°	3934.9	2212.0	1888.5	2054.0	2121.7
52.5°	3423.3	1993.8	1768.1	1941.1	2016.4
55°	2911.7	1783.1	1640.2	1820.8	1880.9
57.5°	2467.8	1587.5	1504.8	1685.3	1730.5
60°	2054.0	1399.4	1369.3	1534.8	1587.5
62.5°	1677.8	1233.9	1241.4	1399.4	1452.1
65°	1369.3	1075.9	1128.6	1271.5	1316.7



TEST NUMBER: P567364

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

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	1113.5	925.4	1015.7	1166.2	1203.8
70°	880.3	790.0	925.4	1060.9	1098.5
72.5°	699.7	669.6	835.1	978.1	1008.2
75°	534.2	556.8	759.9	895.3	932.9
77.5°	383.7	466.5	684.7	827.6	857.7
80°	270.9	383.7	624.5	767.4	797.5
82.5°	173.0	316.0	564.3	714.8	744.9
85°	90.3	255.8	511.6	662.1	692.2
87.5°	37.6	210.7	458.9	609.4	639.5
90°	0.0	173.0	413.8	564.3	586.9
92.5°	0.0	150.5	376.2	519.1	541.7
95°	0.0	127.9	346.1	474.0	496.6
97.5°	0.0	120.4	308.5	436.4	458.9
100°	0.0	105.3	278.4	398.8	428.9
102.5°	0.0	97.8	255.8	361.1	391.2
105°	0.0	90.3	233.2	331.0	361.1
107.5°	0.0	82.8	218.2	308.5	331.0
110°	0.0	82.8	195.6	285.9	308.5
112.5°	7.5	75.2	180.6	255.8	278.4
115°	7.5	75.2	165.5	240.8	255.8
117.5°	7.5	75.2	158.0	218.2	233.2
120°	7.5	67.7	150.5	203.1	218.2
122.5°	7.5	67.7	143.0	188.1	195.6
125°	7.5	60.2	135.4	173.0	188.1
127.5°	7.5	60.2	127.9	165.5	173.0
130°	7.5	60.2	120.4	150.5	165.5
132.5°	7.5	52.7	112.9	143.0	150.5
135°	7.5	52.7	105.3	135.4	143.0
137.5°	7.5	45.1	97.8	127.9	135.4
140°	7.5	45.1	90.3	120.4	127.9
142.5°	7.5	37.6	82.8	112.9	120.4
145°	7.5	37.6	75.2	105.3	112.9
147.5°	7.5	37.6	67.7	97.8	105.3
150°	7.5	30.1	60.2	90.3	97.8
152.5°	7.5	30.1	52.7	82.8	90.3
155°	7.5	30.1	52.7	75.2	82.8
157.5°	7.5	22.6	45.1	60.2	75.2
160°	7.5	22.6	37.6	52.7	67.7
162.5°	7.5	22.6	37.6	45.1	52.7
165°	7.5	15.0	30.1	37.6	45.1
167.5°	7.5	15.0	22.6	30.1	37.6
170°	7.5	15.0	22.6	22.6	30.1
172.5°	7.5	15.0	15.0	15.0	15.0
175°	15.0	15.0	15.0	15.0	7.5
177.5°	15.0	15.0	15.0	7.5	7.5



TEST NUMBER: P567364

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

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	7.5	7.5	7.5	7.5	7.5

(END OF REPORT)