

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: P567353

Luminaire Tested: **8SNX-134SL-FDL-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567353
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-15)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-134SL-FDL-UNV-L950-CD
Description: 8FT 13400 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

Summary

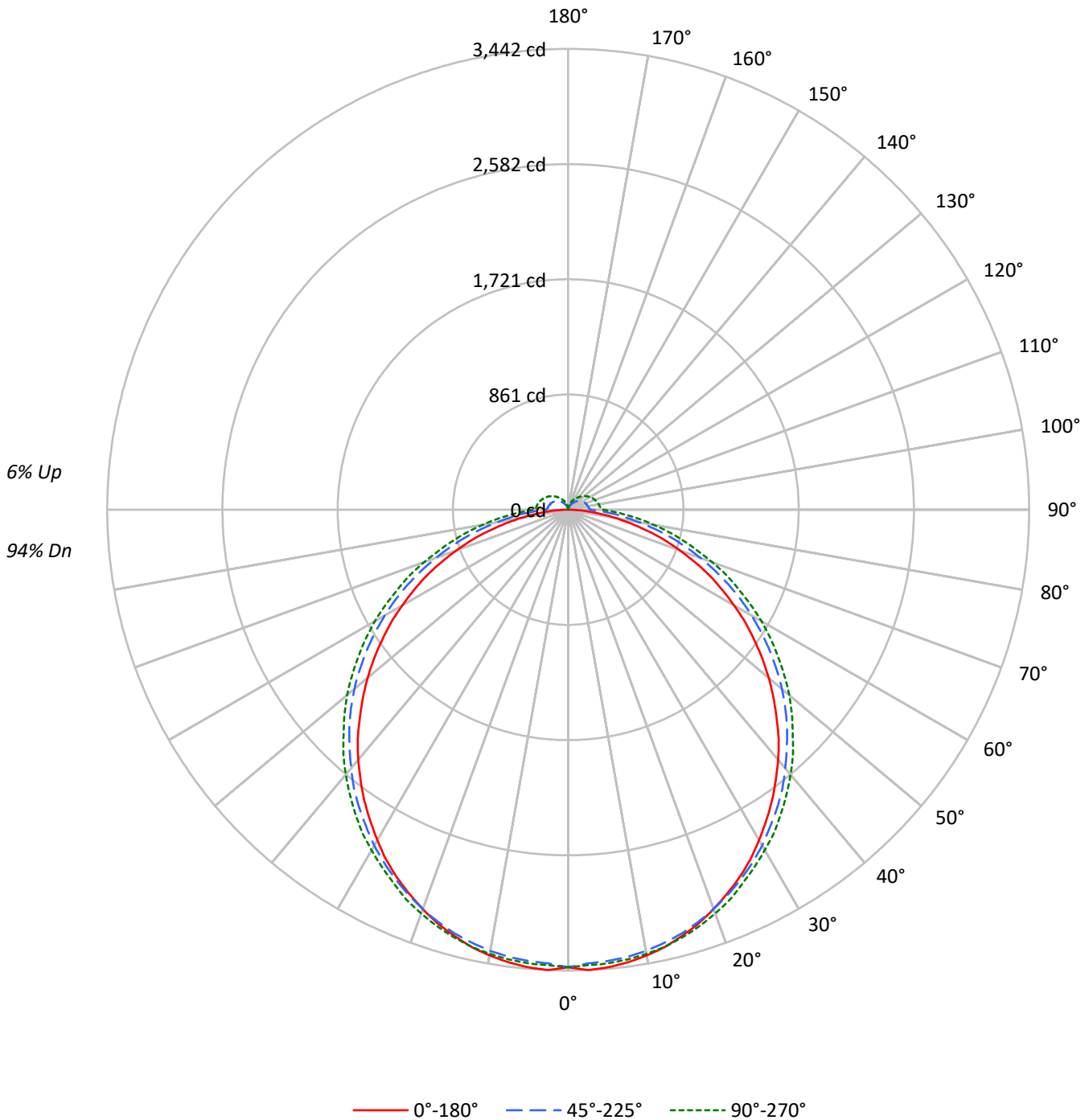
Lumens per Lamp: N/A
Luminaire Lumens: 10859.0 lumens
Efficiency: N/A
Efficacy: 113.4 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.04')
CIE Type: Direct

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

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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	97	97	97	94
1	107	102	97	93	103	99	95	91	93	90	87	88	86	83	84	82	80	77
2	97	88	81	75	93	86	79	74	81	76	71	77	73	69	73	69	66	64
3	88	77	69	62	85	75	67	61	71	65	59	68	62	57	64	60	56	53
4	80	68	59	52	78	66	58	52	63	56	50	60	54	49	57	52	48	45
5	74	61	52	45	71	59	51	44	56	49	43	54	47	42	51	46	41	39
6	68	55	46	39	66	53	45	39	51	43	38	49	42	37	47	41	36	34
7	63	49	41	34	61	48	40	34	46	39	33	44	38	33	43	37	32	30
8	59	45	36	31	57	44	36	30	42	35	30	41	34	29	39	33	29	27
9	55	41	33	27	53	40	33	27	39	32	27	37	31	26	36	30	26	24
10	51	38	30	25	50	37	30	25	36	29	24	35	28	24	33	28	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	18391	18391	18391
5°	18525	18092	18114
10°	18458	17902	17886
15°	18329	17681	17631
20°	18149	17413	17330
25°	17942	17118	16974
30°	17657	16817	16647
35°	17372	16464	16303
40°	17056	16073	15918
45°	16657	15686	15468
50°	16274	15245	15058
55°	15797	14699	14487
60°	15262	14073	13926
65°	14700	13326	13151
70°	13723	12385	12350
75°	12553	11279	11389
80°	10825	9809	10325
85°	8742	8550	9074



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	324.1	3.0
10°-20°	929.9	8.6
20°-30°	1409.3	13.0
30°-40°	1701.2	15.7
40°-50°	1776.5	16.4
50°-60°	1632.1	15.0
60°-70°	1290.6	11.9
70°-80°	816.8	7.5
80°-90°	351.1	3.2
90°-100°	154.5	1.4
100°-110°	138.3	1.3
110°-120°	116.8	1.1
120°-130°	91.1	0.8
130°-140°	63.0	0.6
140°-150°	37.8	0.3
150°-160°	18.5	0.2
160°-170°	6.4	0.1
170°-180°	0.9	0.0
0°-30°	2663.2	24.5
0°-40°	4364.5	40.2
0°-60°	7773.1	71.6
0°-90°	10231.6	94.2
90°-120°	409.6	3.8
90°-150°	601.6	5.5
90°-180°	627.0	5.8
0°-180°	10859.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3417	3417	3417	3417	3417	
5°	3431	3421	3384	3413	3402	326
15°	3294	3294	3277	3311	3306	929
25°	3029	3042	3046	3086	3081	1395
35°	2654	2684	2719	2761	2771	1659
45°	2200	2254	2311	2356	2371	1699
55°	1696	1765	1838	1898	1911	1517
65°	1167	1233	1319	1381	1402	1149
75°	615	688	788	856	888	652
85°	150	231	331	402	427	166
90°	10	83	169	236	262	13
95°	2	71	154	215	238	2
105°	2	65	144	202	223	2
115°	2	56	131	183	202	2
125°	4	50	110	158	175	3
135°	4	38	88	125	140	3
145°	4	29	62	94	104	2
155°	4	19	40	60	71	2
165°	6	14	21	29	40	2
175°	6	8	10	10	6	1
180°	6	6	6	6	6	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3417.1	3417.1	3417.1	3417.1	3417.1
2.5°	3442.1	3430.6	3392.1	3419.0	3405.6
5°	3430.6	3421.0	3384.4	3413.3	3401.7
7.5°	3409.4	3401.7	3369.0	3399.8	3388.3
10°	3380.6	3374.8	3346.0	3376.7	3369.0
12.5°	3344.0	3342.1	3313.3	3347.9	3342.1
15°	3294.1	3294.1	3276.7	3311.4	3305.6
17.5°	3240.2	3242.1	3228.7	3265.2	3261.4
20°	3174.8	3184.4	3174.8	3213.3	3209.4
22.5°	3103.7	3117.1	3113.3	3151.8	3153.7
25°	3028.7	3042.1	3046.0	3086.4	3080.6
27.5°	2946.0	2967.1	2974.8	3011.4	3009.5
30°	2849.8	2878.7	2896.0	2926.8	2936.4
32.5°	2751.8	2786.4	2807.5	2849.8	2861.4
35°	2653.7	2684.5	2719.1	2761.4	2771.0
37.5°	2546.0	2580.6	2626.8	2667.2	2678.7
40°	2438.3	2476.8	2521.0	2565.2	2582.6
42.5°	2326.8	2367.2	2415.3	2467.2	2484.5
45°	2199.9	2253.7	2311.4	2355.6	2371.0
47.5°	2078.7	2138.3	2199.9	2248.0	2265.3
50°	1955.7	2019.1	2084.5	2128.7	2155.7
52.5°	1826.8	1896.1	1961.4	2017.2	2034.5
55°	1696.1	1765.3	1838.4	1898.0	1911.4
57.5°	1569.1	1636.4	1709.5	1765.3	1792.2
60°	1430.7	1503.8	1582.6	1638.4	1667.2
62.5°	1296.1	1367.2	1451.8	1511.5	1534.5
65°	1167.2	1232.6	1319.2	1380.7	1401.8
67.5°	1024.9	1099.9	1182.6	1253.8	1280.7
70°	884.6	955.7	1049.9	1117.2	1144.2
72.5°	753.8	823.0	917.3	984.6	1009.6
75°	615.4	688.4	788.4	855.7	888.4
77.5°	482.7	563.4	659.6	732.7	769.2
80°	359.6	430.7	534.6	615.4	648.0
82.5°	244.2	321.1	428.8	503.8	540.4
85°	150.0	230.8	330.8	401.9	426.9
87.5°	71.1	148.1	240.4	309.6	340.4
90°	9.6	82.7	169.2	236.5	261.5
92.5°	1.9	71.1	155.8	219.2	242.3
95°	1.9	71.1	153.8	215.4	238.4
97.5°	1.9	69.2	151.9	213.4	234.6
100°	1.9	67.3	150.0	209.6	232.7
102.5°	1.9	67.3	146.1	205.8	226.9
105°	1.9	65.4	144.2	201.9	223.1
107.5°	1.9	63.5	140.4	198.1	219.2
110°	1.9	59.6	138.5	192.3	213.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.9	57.7	134.6	188.5	207.7
115°	1.9	55.8	130.8	182.7	201.9
117.5°	1.9	53.8	125.0	176.9	196.1
120°	3.8	53.8	121.1	171.1	188.5
122.5°	3.8	51.9	115.4	163.5	180.8
125°	3.8	50.0	109.6	157.7	175.0
127.5°	3.8	48.1	103.8	150.0	165.4
130°	3.8	44.2	100.0	142.3	157.7
132.5°	3.8	42.3	94.2	132.7	148.1
135°	3.8	38.5	88.5	125.0	140.4
137.5°	3.8	36.5	82.7	117.3	130.8
140°	3.8	34.6	75.0	109.6	123.1
142.5°	3.8	30.8	69.2	101.9	113.5
145°	3.8	28.8	61.5	94.2	103.8
147.5°	3.8	25.0	55.8	86.5	96.1
150°	3.8	23.1	50.0	78.8	88.5
152.5°	3.8	21.2	44.2	69.2	78.8
155°	3.8	19.2	40.4	59.6	71.1
157.5°	3.8	17.3	34.6	51.9	63.5
160°	5.8	15.4	30.8	44.2	53.8
162.5°	5.8	13.5	25.0	36.5	48.1
165°	5.8	13.5	21.2	28.8	40.4
167.5°	5.8	11.5	17.3	23.1	32.7
170°	5.8	9.6	15.4	17.3	25.0
172.5°	5.8	7.7	11.5	11.5	13.5
175°	5.8	7.7	9.6	9.6	5.8
177.5°	5.8	5.8	5.8	5.8	3.8
180°	5.8	5.8	5.8	5.8	5.8

(END OF REPORT)