

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: P567372

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567372
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-134SL-LW-UNV-L840-CD
Description: 8FT 13400 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

Summary

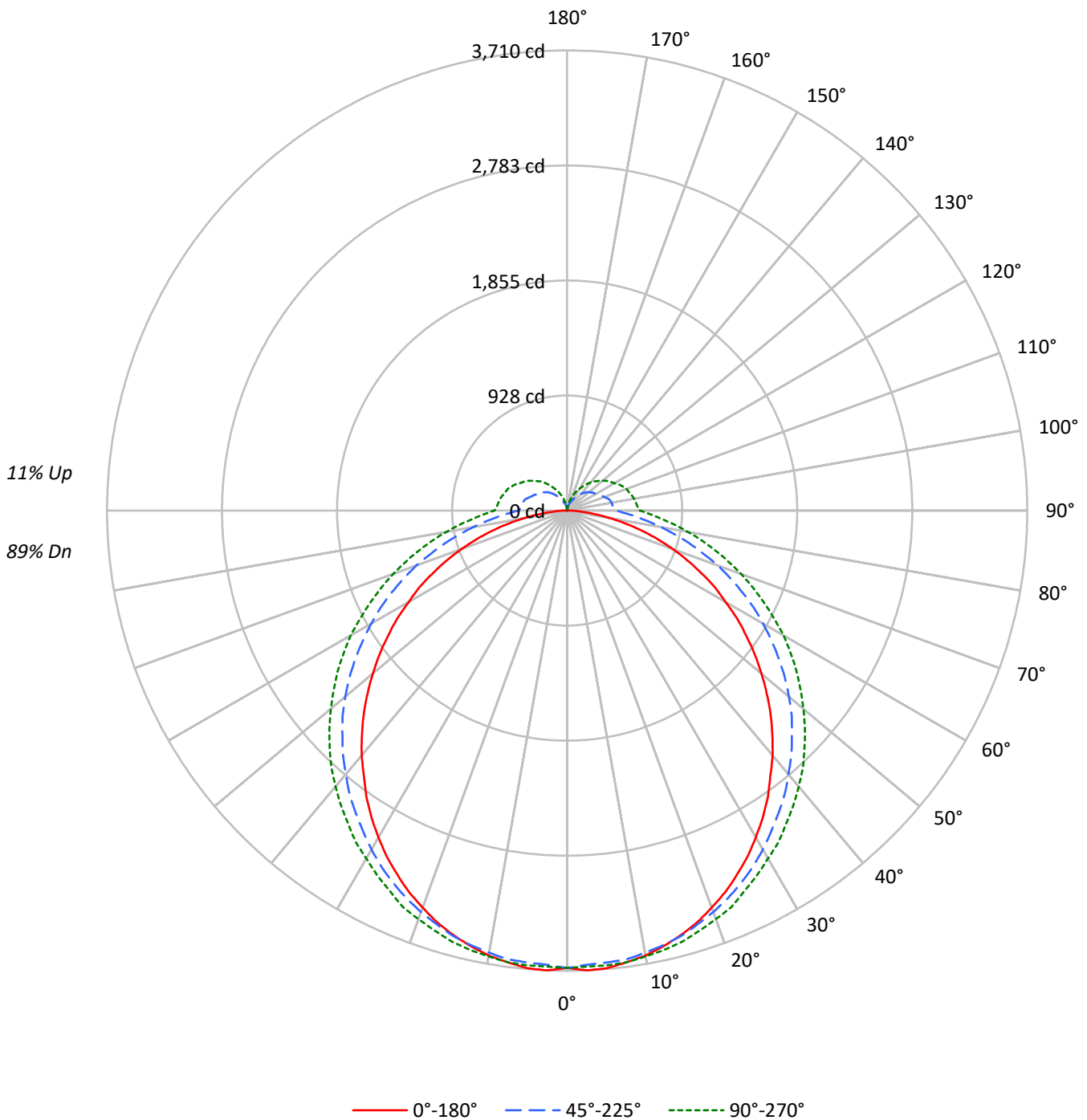
Lumens per Lamp: N/A
Luminaire Lumens: 13128.0 lumens
Efficiency: N/A
Efficacy: 137.0 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Semi-Direct

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	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89
1	105	100	95	90	101	96	92	88	90	86	83	84	81	79	79	76	74	71
2	95	86	79	73	91	83	76	71	78	72	68	73	68	64	68	65	61	58
3	86	75	67	60	83	73	65	59	68	61	56	64	58	54	60	55	51	49
4	79	66	57	50	75	64	56	49	60	53	47	57	50	46	53	48	44	41
5	72	59	50	43	69	57	49	42	54	46	41	51	44	39	48	42	38	35
6	67	53	44	37	64	51	43	37	48	41	35	46	39	34	43	38	33	31
7	62	48	39	33	59	47	38	32	44	37	31	42	35	30	39	34	29	27
8	57	44	35	29	55	42	34	29	40	33	28	38	32	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	28	24	22
10	50	37	29	24	48	36	28	23	34	27	23	32	26	22	31	25	21	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	19847	19847	19847
5°	19969	18953	18786
10°	19831	18218	17848
15°	19632	17504	17001
20°	19363	16761	16155
25°	19050	16048	15327
30°	18676	15312	14535
35°	18267	14573	13793
40°	17798	13849	13086
45°	17291	13123	12361
50°	16710	12375	11601
55°	16074	11538	10854
60°	15325	10663	10065
65°	14551	9718	9166
70°	13467	8708	8282
75°	12030	7528	7343
80°	9696	6336	6408
85°	6828	5228	5446



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	350.3	2.7
10°-20°	1006.8	7.7
20°-30°	1530.8	11.7
30°-40°	1858.3	14.2
40°-50°	1963.7	15.0
50°-60°	1837.5	14.0
60°-70°	1507.7	11.5
70°-80°	1037.0	7.9
80°-90°	567.9	4.3
90°-100°	365.7	2.8
100°-110°	328.2	2.5
110°-120°	271.6	2.1
120°-130°	209.2	1.6
130°-140°	147.0	1.1
140°-150°	88.6	0.7
150°-160°	42.4	0.3
160°-170°	13.9	0.1
170°-180°	1.7	0.0
0°-30°	2887.9	22.0
0°-40°	4746.1	36.2
0°-60°	8547.3	65.1
0°-90°	11659.9	88.8
90°-120°	965.5	7.4
90°-150°	1410.1	10.7
90°-180°	1468.0	11.2
0°-180°	13128.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3688	3688	3688	3688	3688	
5°	3703	3695	3657	3688	3680	351
15°	3543	3558	3551	3596	3596	999
25°	3239	3277	3315	3384	3384	1493
35°	2821	2889	2973	3057	3079	1762
45°	2319	2426	2562	2676	2707	1787
55°	1764	1908	2083	2213	2258	1579
65°	1194	1353	1559	1703	1749	1182
75°	624	791	1019	1178	1232	656
85°	137	327	555	707	760	158
90°	0	182	388	532	586	9
95°	0	175	373	509	563	0
105°	0	144	350	479	525	5
115°	8	129	296	426	479	8
125°	8	106	251	365	411	7
135°	8	84	205	296	335	6
145°	8	61	144	228	251	5
155°	8	38	91	144	167	4
165°	8	23	46	68	84	2
175°	8	8	15	15	8	1
180°	8	8	8	8	8	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3687.7	3687.7	3687.7	3687.7	3687.7
2.5°	3710.5	3702.9	3664.9	3695.3	3680.1
5°	3702.9	3695.3	3657.3	3687.7	3680.1
7.5°	3672.5	3672.5	3649.7	3680.1	3672.5
10°	3642.1	3642.1	3619.3	3657.3	3649.7
12.5°	3596.4	3604.0	3588.8	3634.5	3626.9
15°	3543.2	3558.4	3550.8	3596.4	3596.4
17.5°	3482.4	3497.6	3497.6	3550.8	3550.8
20°	3406.4	3429.2	3444.4	3505.2	3505.2
22.5°	3330.3	3360.7	3383.5	3436.8	3459.6
25°	3239.1	3277.1	3315.1	3383.5	3383.5
27.5°	3147.8	3193.5	3239.1	3307.5	3315.1
30°	3041.4	3094.6	3155.4	3223.9	3239.1
32.5°	2934.9	3003.4	3064.2	3147.8	3170.6
35°	2820.9	2889.3	2973.0	3056.6	3079.4
37.5°	2691.6	2775.3	2881.7	2973.0	2995.8
40°	2577.6	2668.8	2775.3	2881.7	2904.5
42.5°	2448.3	2547.2	2676.4	2775.3	2813.3
45°	2319.1	2425.5	2562.4	2676.4	2706.8
47.5°	2182.2	2303.9	2455.9	2562.4	2600.4
50°	2045.3	2174.6	2334.3	2455.9	2486.3
52.5°	1908.5	2045.3	2212.6	2334.3	2372.3
55°	1764.0	1908.5	2083.4	2212.6	2258.2
57.5°	1627.1	1771.6	1954.1	2091.0	2136.6
60°	1475.1	1642.4	1824.8	1961.7	2014.9
62.5°	1345.8	1497.9	1695.6	1832.4	1878.1
65°	1193.7	1353.4	1558.7	1703.2	1748.8
67.5°	1049.3	1216.6	1421.9	1573.9	1619.5
70°	904.8	1072.1	1292.6	1437.1	1490.3
72.5°	760.3	935.2	1148.1	1307.8	1361.0
75°	623.5	790.8	1018.9	1178.5	1231.8
77.5°	479.0	661.5	889.6	1049.3	1110.1
80°	349.8	539.8	768.0	927.6	988.5
82.5°	235.7	425.8	653.9	813.6	874.4
85°	136.9	326.9	555.1	707.1	760.3
87.5°	68.4	250.9	463.8	615.9	669.1
90°	0.0	182.5	387.8	532.2	585.5
92.5°	0.0	174.9	380.2	517.0	570.3
95°	0.0	174.9	372.6	509.4	562.7
97.5°	0.0	167.3	365.0	509.4	555.1
100°	0.0	159.7	365.0	501.8	547.5
102.5°	0.0	152.1	357.4	494.2	539.8
105°	0.0	144.5	349.8	479.0	524.6
107.5°	7.6	144.5	334.6	471.4	517.0
110°	7.6	136.9	319.3	463.8	509.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	7.6	129.3	304.1	448.6	494.2
115°	7.6	129.3	296.5	425.8	479.0
117.5°	7.6	121.7	281.3	410.6	463.8
120°	7.6	121.7	273.7	395.4	441.0
122.5°	7.6	114.1	258.5	380.2	425.8
125°	7.6	106.4	250.9	365.0	410.6
127.5°	7.6	98.8	243.3	349.8	395.4
130°	7.6	91.2	228.1	334.6	372.6
132.5°	7.6	91.2	220.5	311.7	357.4
135°	7.6	83.6	205.3	296.5	334.6
137.5°	7.6	76.0	190.1	281.3	319.3
140°	7.6	68.4	174.9	266.1	296.5
142.5°	7.6	68.4	159.7	243.3	273.7
145°	7.6	60.8	144.5	228.1	250.9
147.5°	7.6	53.2	129.3	205.3	228.1
150°	7.6	53.2	114.1	182.5	205.3
152.5°	7.6	45.6	98.8	167.3	190.1
155°	7.6	38.0	91.2	144.5	167.3
157.5°	7.6	38.0	76.0	121.7	144.5
160°	7.6	30.4	68.4	98.8	121.7
162.5°	7.6	30.4	60.8	83.6	106.4
165°	7.6	22.8	45.6	68.4	83.6
167.5°	7.6	22.8	38.0	53.2	68.4
170°	7.6	15.2	30.4	38.0	53.2
172.5°	7.6	15.2	22.8	22.8	22.8
175°	7.6	7.6	15.2	15.2	7.6
177.5°	7.6	7.6	7.6	7.6	7.6
180°	7.6	7.6	7.6	7.6	7.6

(END OF REPORT)