

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: P567237

Luminaire Tested: **8SNX-114SL-SLW-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567237
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-114SL-SLW-UNV-L850-CD
Description: 8FT 11400 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

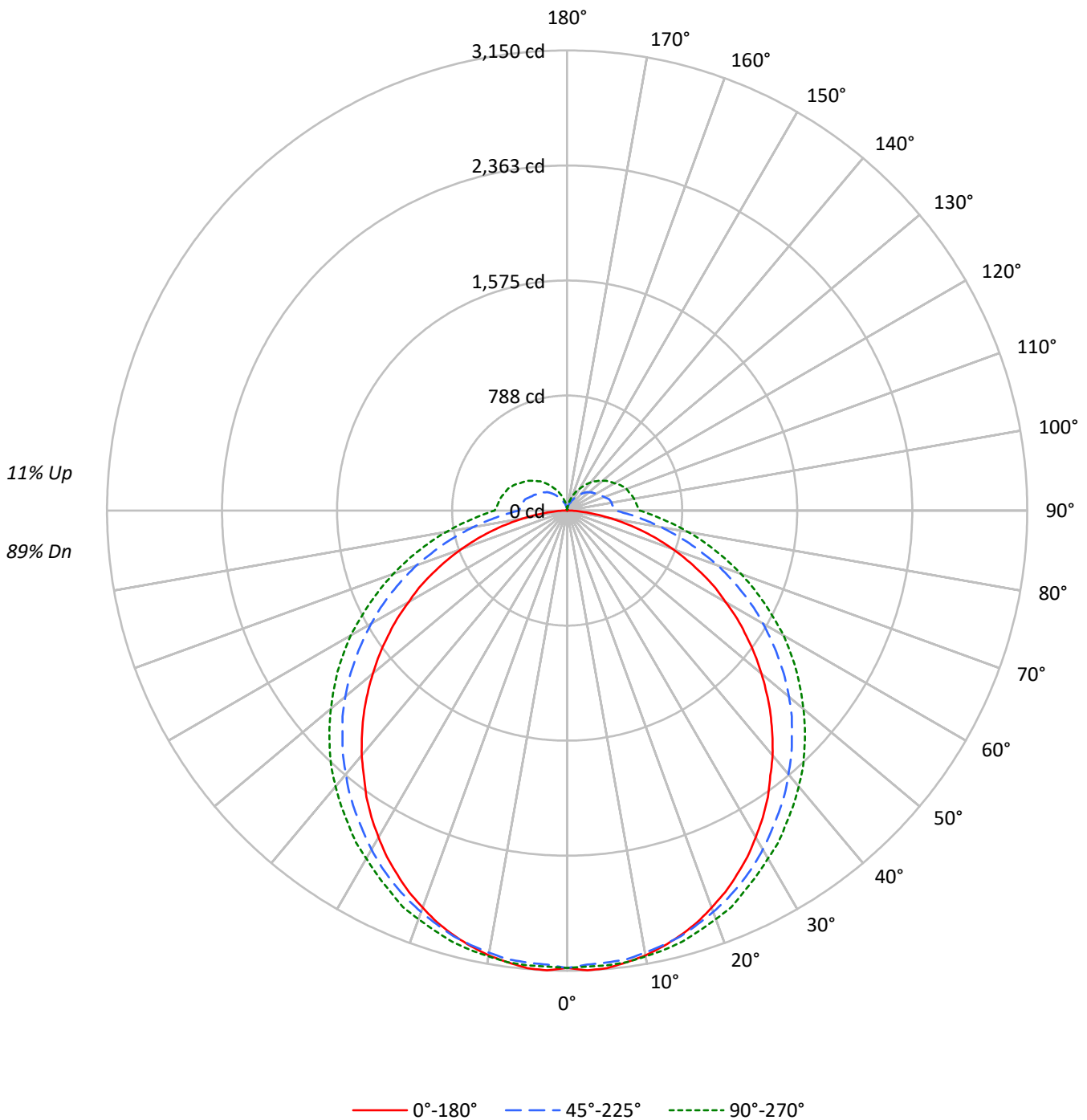
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11146.0 lumens
Efficiency: N/A
Efficacy: 140.4 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: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 79.4
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°	16850	16850	16850
5°	16969	16427	16404
10°	16868	16105	15998
15°	16715	15774	15624
20°	16502	15393	15207
25°	16252	15019	14772
30°	15952	14607	14342
35°	15622	14180	13938
40°	15242	13759	13550
45°	14832	13331	13132
50°	14362	12878	12664
55°	13848	12333	12204
60°	13243	11750	11691
65°	12626	11094	11045
70°	11753	10370	10413
75°	10598	9449	9712
80°	8694	8516	9022
85°	6415	7726	8315



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	297.4	2.7
10°-20°	854.8	7.7
20°-30°	1299.7	11.7
30°-40°	1577.7	14.2
40°-50°	1667.2	15.0
50°-60°	1560.1	14.0
60°-70°	1280.1	11.5
70°-80°	880.4	7.9
80°-90°	482.2	4.3
90°-100°	310.5	2.8
100°-110°	278.6	2.5
110°-120°	230.6	2.1
120°-130°	177.6	1.6
130°-140°	124.8	1.1
140°-150°	75.2	0.7
150°-160°	36.0	0.3
160°-170°	11.8	0.1
170°-180°	1.4	0.0
0°-30°	2451.9	22.0
0°-40°	4029.6	36.2
0°-60°	7256.9	65.1
0°-90°	9899.5	88.8
90°-120°	819.7	7.4
90°-150°	1197.3	10.7
90°-180°	1247.0	11.2
0°-180°	11146.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3131	3131	3131	3131	3131	
5°	3144	3137	3105	3131	3124	298
15°	3008	3021	3015	3054	3054	848
25°	2750	2782	2815	2873	2873	1267
35°	2395	2453	2524	2595	2614	1496
45°	1969	2059	2176	2272	2298	1518
55°	1498	1620	1769	1879	1917	1340
65°	1014	1149	1323	1446	1485	1004
75°	529	671	865	1001	1046	557
85°	116	278	471	600	646	134
90°	0	155	329	452	497	8
95°	0	148	316	432	478	0
105°	0	123	297	407	445	4
115°	6	110	252	362	407	6
125°	6	90	213	310	349	6
135°	6	71	174	252	284	5
145°	6	52	123	194	213	4
155°	6	32	78	123	142	3
165°	6	19	39	58	71	2
175°	6	6	13	13	6	1
180°	6	6	6	6	6	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3130.9	3130.9	3130.9	3130.9	3130.9
2.5°	3150.3	3143.8	3111.6	3137.4	3124.5
5°	3143.8	3137.4	3105.1	3130.9	3124.5
7.5°	3118.0	3118.0	3098.7	3124.5	3118.0
10°	3092.2	3092.2	3072.8	3105.1	3098.7
12.5°	3053.5	3059.9	3047.0	3085.7	3079.3
15°	3008.3	3021.2	3014.7	3053.5	3053.5
17.5°	2956.6	2969.5	2969.5	3014.7	3014.7
20°	2892.1	2911.4	2924.4	2976.0	2976.0
22.5°	2827.5	2853.3	2872.7	2917.9	2937.3
25°	2750.1	2782.3	2814.6	2872.7	2872.7
27.5°	2672.6	2711.3	2750.1	2808.2	2814.6
30°	2582.2	2627.4	2679.0	2737.1	2750.1
32.5°	2491.8	2549.9	2601.6	2672.6	2692.0
35°	2395.0	2453.1	2524.1	2595.1	2614.5
37.5°	2285.3	2356.3	2446.7	2524.1	2543.5
40°	2188.4	2265.9	2356.3	2446.7	2466.0
42.5°	2078.7	2162.6	2272.4	2356.3	2388.6
45°	1968.9	2059.3	2175.5	2272.4	2298.2
47.5°	1852.7	1956.0	2085.1	2175.5	2207.8
50°	1736.5	1846.3	1981.9	2085.1	2111.0
52.5°	1620.3	1736.5	1878.6	1981.9	2014.1
55°	1497.7	1620.3	1768.8	1878.6	1917.3
57.5°	1381.5	1504.1	1659.1	1775.3	1814.0
60°	1252.4	1394.4	1549.3	1665.5	1710.7
62.5°	1142.6	1271.7	1439.6	1555.8	1594.5
65°	1013.5	1149.1	1323.4	1446.0	1484.8
67.5°	890.9	1032.9	1207.2	1336.3	1375.0
70°	768.2	910.2	1097.4	1220.1	1265.3
72.5°	645.6	794.0	974.8	1110.4	1155.5
75°	529.4	671.4	865.0	1000.6	1045.8
77.5°	406.7	561.6	755.3	890.9	942.5
80°	297.0	458.3	652.0	787.6	839.2
82.5°	200.1	361.5	555.2	690.7	742.4
85°	116.2	277.6	471.3	600.4	645.6
87.5°	58.1	213.0	393.8	522.9	568.1
90°	0.0	154.9	329.2	451.9	497.1
92.5°	0.0	148.5	322.8	439.0	484.2
95°	0.0	148.5	316.3	432.5	477.7
97.5°	0.0	142.0	309.9	432.5	471.3
100°	0.0	135.6	309.9	426.1	464.8
102.5°	0.0	129.1	303.4	419.6	458.3
105°	0.0	122.7	297.0	406.7	445.4
107.5°	6.5	122.7	284.0	400.2	439.0
110°	6.5	116.2	271.1	393.8	432.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	6.5	109.7	258.2	380.9	419.6
115°	6.5	109.7	251.8	361.5	406.7
117.5°	6.5	103.3	238.9	348.6	393.8
120°	6.5	103.3	232.4	335.7	374.4
122.5°	6.5	96.8	219.5	322.8	361.5
125°	6.5	90.4	213.0	309.9	348.6
127.5°	6.5	83.9	206.6	297.0	335.7
130°	6.5	77.5	193.7	284.0	316.3
132.5°	6.5	77.5	187.2	264.7	303.4
135°	6.5	71.0	174.3	251.8	284.0
137.5°	6.5	64.6	161.4	238.9	271.1
140°	6.5	58.1	148.5	225.9	251.8
142.5°	6.5	58.1	135.6	206.6	232.4
145°	6.5	51.6	122.7	193.7	213.0
147.5°	6.5	45.2	109.7	174.3	193.7
150°	6.5	45.2	96.8	154.9	174.3
152.5°	6.5	38.7	83.9	142.0	161.4
155°	6.5	32.3	77.5	122.7	142.0
157.5°	6.5	32.3	64.6	103.3	122.7
160°	6.5	25.8	58.1	83.9	103.3
162.5°	6.5	25.8	51.6	71.0	90.4
165°	6.5	19.4	38.7	58.1	71.0
167.5°	6.5	19.4	32.3	45.2	58.1
170°	6.5	12.9	25.8	32.3	45.2
172.5°	6.5	12.9	19.4	19.4	19.4
175°	6.5	6.5	12.9	12.9	6.5
177.5°	6.5	6.5	6.5	6.5	6.5
180°	6.5	6.5	6.5	6.5	6.5

(END OF REPORT)