

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: P567227

Luminaire Tested: **8SNX-114SL-LW-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567227
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-LW-UNV-L835-CD
Description: 8FT 11400 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

Summary

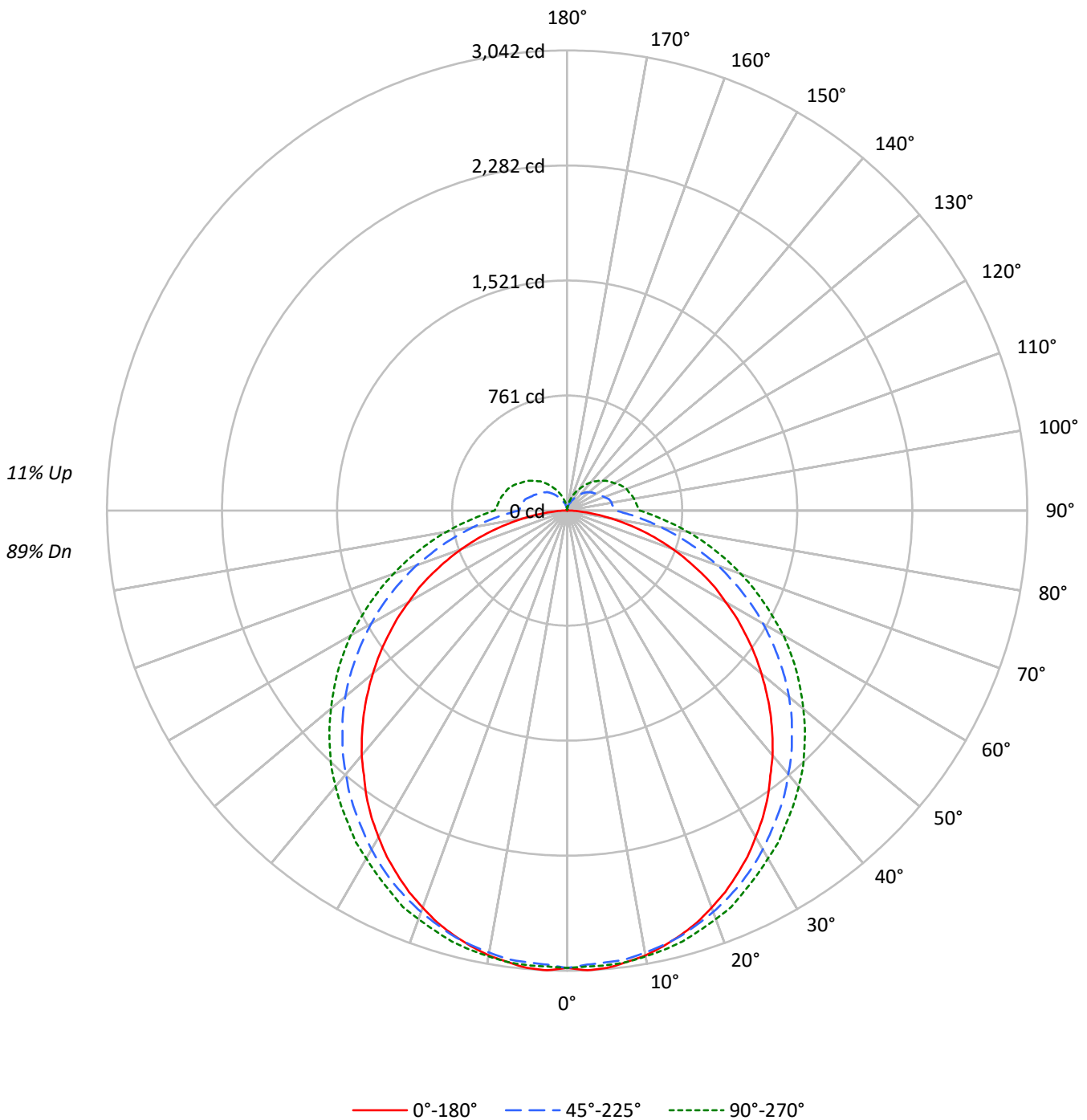
Lumens per Lamp: N/A
Luminaire Lumens: 10762.0 lumens
Efficiency: N/A
Efficacy: 135.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 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°	16270	16270	16270
5°	16369	15536	15400
10°	16257	14934	14631
15°	16094	14350	13938
20°	15873	13740	13244
25°	15616	13156	12565
30°	15311	12553	11915
35°	14975	11946	11307
40°	14590	11353	10728
45°	14174	10758	10134
50°	13699	10145	9510
55°	13177	9459	8898
60°	12562	8742	8252
65°	11929	7967	7514
70°	11039	7139	6789
75°	9861	6171	6020
80°	7947	5193	5253
85°	5596	4285	4465



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	287.1	2.7
10°-20°	825.3	7.7
20°-30°	1254.9	11.7
30°-40°	1523.4	14.2
40°-50°	1609.8	15.0
50°-60°	1506.3	14.0
60°-70°	1236.0	11.5
70°-80°	850.1	7.9
80°-90°	465.5	4.3
90°-100°	299.8	2.8
100°-110°	269.0	2.5
110°-120°	222.7	2.1
120°-130°	171.5	1.6
130°-140°	120.5	1.1
140°-150°	72.6	0.7
150°-160°	34.8	0.3
160°-170°	11.4	0.1
170°-180°	1.4	0.0
0°-30°	2367.4	22.0
0°-40°	3890.8	36.2
0°-60°	7006.9	65.1
0°-90°	9558.5	88.8
90°-120°	791.5	7.4
90°-150°	1156.0	10.7
90°-180°	1204.0	11.2
0°-180°	10762.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3023	3023	3023	3023	3023	
5°	3036	3029	2998	3023	3017	288
15°	2905	2917	2911	2948	2948	819
25°	2655	2686	2718	2774	2774	1224
35°	2312	2369	2437	2506	2524	1445
45°	1901	1988	2101	2194	2219	1465
55°	1446	1564	1708	1814	1851	1294
65°	979	1110	1278	1396	1434	969
75°	511	648	835	966	1010	538
85°	112	268	455	580	623	130
90°	0	150	318	436	480	8
95°	0	143	305	418	461	0
105°	0	118	287	393	430	4
115°	6	106	243	349	393	6
125°	6	87	206	299	337	6
135°	6	69	168	243	274	5
145°	6	50	118	187	206	4
155°	6	31	75	118	137	3
165°	6	19	37	56	69	2
175°	6	6	12	12	6	1
180°	6	6	6	6	6	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3023.1	3023.1	3023.1	3023.1	3023.1
2.5°	3041.8	3035.5	3004.4	3029.3	3016.8
5°	3035.5	3029.3	2998.1	3023.1	3016.8
7.5°	3010.6	3010.6	2991.9	3016.8	3010.6
10°	2985.7	2985.7	2967.0	2998.1	2991.9
12.5°	2948.3	2954.5	2942.0	2979.4	2973.2
15°	2904.6	2917.1	2910.9	2948.3	2948.3
17.5°	2854.8	2867.2	2867.2	2910.9	2910.9
20°	2792.4	2811.1	2823.6	2873.5	2873.5
22.5°	2730.1	2755.0	2773.7	2817.4	2836.1
25°	2655.3	2686.5	2717.6	2773.7	2773.7
27.5°	2580.5	2617.9	2655.3	2711.4	2717.6
30°	2493.3	2536.9	2586.8	2642.8	2655.3
32.5°	2406.0	2462.1	2512.0	2580.5	2599.2
35°	2312.5	2368.6	2437.2	2505.7	2524.4
37.5°	2206.5	2275.1	2362.4	2437.2	2455.9
40°	2113.0	2187.8	2275.1	2362.4	2381.1
42.5°	2007.1	2088.1	2194.1	2275.1	2306.3
45°	1901.1	1988.4	2100.6	2194.1	2219.0
47.5°	1788.9	1888.6	2013.3	2100.6	2131.7
50°	1676.7	1782.7	1913.6	2013.3	2038.2
52.5°	1564.5	1676.7	1813.8	1913.6	1944.7
55°	1446.1	1564.5	1707.9	1813.8	1851.2
57.5°	1333.9	1452.3	1601.9	1714.1	1751.5
60°	1209.2	1346.4	1496.0	1608.1	1651.8
62.5°	1103.3	1227.9	1390.0	1502.2	1539.6
65°	978.6	1109.5	1277.8	1396.2	1433.6
67.5°	860.2	997.3	1165.6	1290.3	1327.7
70°	741.7	878.9	1059.6	1178.1	1221.7
72.5°	623.3	766.7	941.2	1072.1	1115.7
75°	511.1	648.2	835.2	966.1	1009.8
77.5°	392.7	542.3	729.3	860.2	910.0
80°	286.7	442.6	629.5	760.4	810.3
82.5°	193.2	349.1	536.0	666.9	716.8
85°	112.2	268.0	455.0	579.7	623.3
87.5°	56.1	205.7	380.2	504.9	548.5
90°	0.0	149.6	317.9	436.3	480.0
92.5°	0.0	143.4	311.7	423.9	467.5
95°	0.0	143.4	305.4	417.6	461.3
97.5°	0.0	137.1	299.2	417.6	455.0
100°	0.0	130.9	299.2	411.4	448.8
102.5°	0.0	124.7	293.0	405.2	442.6
105°	0.0	118.4	286.7	392.7	430.1
107.5°	6.2	118.4	274.3	386.5	423.9
110°	6.2	112.2	261.8	380.2	417.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	6.2	106.0	249.3	367.8	405.2
115°	6.2	106.0	243.1	349.1	392.7
117.5°	6.2	99.7	230.6	336.6	380.2
120°	6.2	99.7	224.4	324.1	361.5
122.5°	6.2	93.5	211.9	311.7	349.1
125°	6.2	87.3	205.7	299.2	336.6
127.5°	6.2	81.0	199.5	286.7	324.1
130°	6.2	74.8	187.0	274.3	305.4
132.5°	6.2	74.8	180.8	255.6	293.0
135°	6.2	68.6	168.3	243.1	274.3
137.5°	6.2	62.3	155.8	230.6	261.8
140°	6.2	56.1	143.4	218.2	243.1
142.5°	6.2	56.1	130.9	199.5	224.4
145°	6.2	49.9	118.4	187.0	205.7
147.5°	6.2	43.6	106.0	168.3	187.0
150°	6.2	43.6	93.5	149.6	168.3
152.5°	6.2	37.4	81.0	137.1	155.8
155°	6.2	31.2	74.8	118.4	137.1
157.5°	6.2	31.2	62.3	99.7	118.4
160°	6.2	24.9	56.1	81.0	99.7
162.5°	6.2	24.9	49.9	68.6	87.3
165°	6.2	18.7	37.4	56.1	68.6
167.5°	6.2	18.7	31.2	43.6	56.1
170°	6.2	12.5	24.9	31.2	43.6
172.5°	6.2	12.5	18.7	18.7	18.7
175°	6.2	6.2	12.5	12.5	6.2
177.5°	6.2	6.2	6.2	6.2	6.2
180°	6.2	6.2	6.2	6.2	6.2

(END OF REPORT)