

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: P567805

Luminaire Tested: **8SNX-44SL-LW-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567805
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-44SL-LW-UNV-L850-CD
Description: 8FT 4400 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

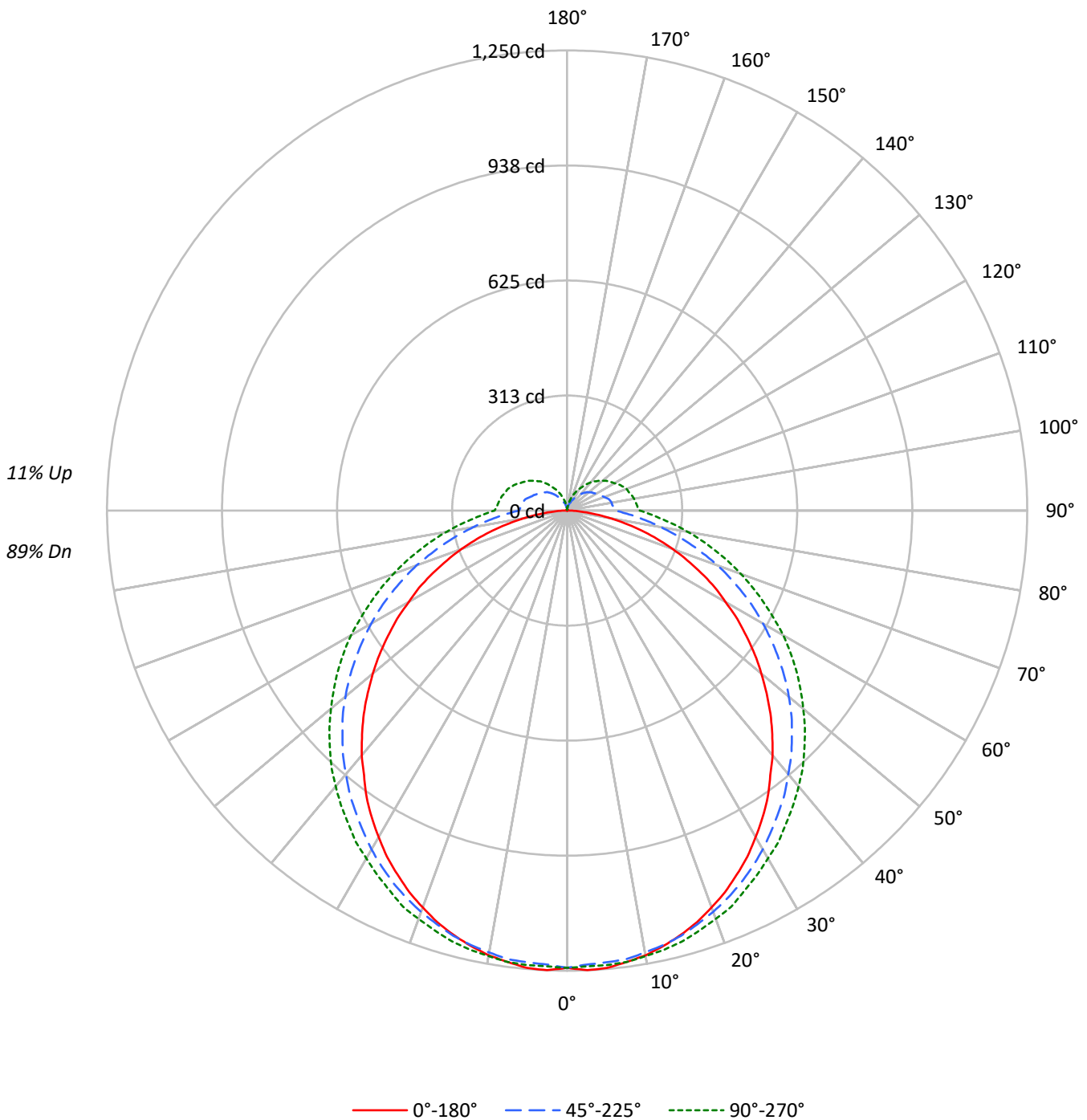
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4421.0 lumens
Efficiency: N/A
Efficacy: 160.2 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): 27.6
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°	6684	6684	6684
5°	6725	6382	6326
10°	6678	6135	6010
15°	6611	5895	5725
20°	6520	5644	5440
25°	6415	5404	5162
30°	6289	5156	4895
35°	6152	4908	4645
40°	5993	4664	4407
45°	5823	4419	4163
50°	5627	4167	3907
55°	5413	3886	3655
60°	5160	3591	3389
65°	4900	3273	3087
70°	4535	2933	2789
75°	4052	2535	2473
80°	3265	2133	2158
85°	2299	1760	1835



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.0	2.7
10°-20°	339.0	7.7
20°-30°	515.5	11.7
30°-40°	625.8	14.2
40°-50°	661.3	15.0
50°-60°	618.8	14.0
60°-70°	507.7	11.5
70°-80°	349.2	7.9
80°-90°	191.2	4.3
90°-100°	123.2	2.8
100°-110°	110.5	2.5
110°-120°	91.5	2.1
120°-130°	70.4	1.6
130°-140°	49.5	1.1
140°-150°	29.8	0.7
150°-160°	14.3	0.3
160°-170°	4.7	0.1
170°-180°	0.6	0.0
0°-30°	972.5	22.0
0°-40°	1598.3	36.2
0°-60°	2878.4	65.1
0°-90°	3926.6	88.8
90°-120°	325.1	7.4
90°-150°	474.9	10.7
90°-180°	494.0	11.2
0°-180°	4421.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1242	1242	1242	1242	1242	
5°	1247	1244	1232	1242	1239	118
15°	1193	1198	1196	1211	1211	336
25°	1091	1104	1116	1139	1139	503
35°	950	973	1001	1029	1037	593
45°	781	817	863	901	912	602
55°	594	643	702	745	760	532
65°	402	456	525	574	589	398
75°	210	266	343	397	415	221
85°	46	110	187	238	256	53
90°	0	62	131	179	197	3
95°	0	59	126	172	190	0
105°	0	49	118	161	177	2
115°	3	44	100	143	161	3
125°	3	36	84	123	138	2
135°	3	28	69	100	113	2
145°	3	20	49	77	84	2
155°	3	13	31	49	56	1
165°	3	8	15	23	28	1
175°	3	3	5	5	3	0
180°	3	3	3	3	3	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1241.9	1241.9	1241.9	1241.9	1241.9
2.5°	1249.6	1247.0	1234.2	1244.4	1239.3
5°	1247.0	1244.4	1231.6	1241.9	1239.3
7.5°	1236.7	1236.7	1229.1	1239.3	1236.7
10°	1226.5	1226.5	1218.8	1231.6	1229.1
12.5°	1211.1	1213.7	1208.6	1223.9	1221.4
15°	1193.2	1198.3	1195.8	1211.1	1211.1
17.5°	1172.7	1177.9	1177.9	1195.8	1195.8
20°	1147.1	1154.8	1159.9	1180.4	1180.4
22.5°	1121.5	1131.8	1139.4	1157.4	1165.1
25°	1090.8	1103.6	1116.4	1139.4	1139.4
27.5°	1060.1	1075.4	1090.8	1113.8	1116.4
30°	1024.2	1042.1	1062.6	1085.7	1090.8
32.5°	988.4	1011.4	1031.9	1060.1	1067.8
35°	950.0	973.0	1001.2	1029.3	1037.0
37.5°	906.4	934.6	970.5	1001.2	1008.9
40°	868.0	898.8	934.6	970.5	978.1
42.5°	824.5	857.8	901.3	934.6	947.4
45°	781.0	816.8	862.9	901.3	911.6
47.5°	734.9	775.8	827.1	862.9	875.7
50°	688.8	732.3	786.1	827.1	837.3
52.5°	642.7	688.8	745.1	786.1	798.9
55°	594.0	642.7	701.6	745.1	760.5
57.5°	548.0	596.6	658.1	704.2	719.5
60°	496.7	553.1	614.5	660.6	678.5
62.5°	453.2	504.4	571.0	617.1	632.5
65°	402.0	455.8	524.9	573.6	588.9
67.5°	353.4	409.7	478.8	530.0	545.4
70°	304.7	361.0	435.3	483.9	501.9
72.5°	256.1	314.9	386.6	440.4	458.3
75°	210.0	266.3	343.1	396.9	414.8
77.5°	161.3	222.8	299.6	353.4	373.8
80°	117.8	181.8	258.6	312.4	332.9
82.5°	79.4	143.4	220.2	274.0	294.5
85°	46.1	110.1	186.9	238.1	256.1
87.5°	23.0	84.5	156.2	207.4	225.3
90°	0.0	61.5	130.6	179.2	197.2
92.5°	0.0	58.9	128.0	174.1	192.0
95°	0.0	58.9	125.5	171.6	189.5
97.5°	0.0	56.3	122.9	171.6	186.9
100°	0.0	53.8	122.9	169.0	184.4
102.5°	0.0	51.2	120.3	166.4	181.8
105°	0.0	48.7	117.8	161.3	176.7
107.5°	2.6	48.7	112.7	158.8	174.1
110°	2.6	46.1	107.5	156.2	171.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.6	43.5	102.4	151.1	166.4
115°	2.6	43.5	99.9	143.4	161.3
117.5°	2.6	41.0	94.7	138.3	156.2
120°	2.6	41.0	92.2	133.1	148.5
122.5°	2.6	38.4	87.1	128.0	143.4
125°	2.6	35.8	84.5	122.9	138.3
127.5°	2.6	33.3	81.9	117.8	133.1
130°	2.6	30.7	76.8	112.7	125.5
132.5°	2.6	30.7	74.3	105.0	120.3
135°	2.6	28.2	69.1	99.9	112.7
137.5°	2.6	25.6	64.0	94.7	107.5
140°	2.6	23.0	58.9	89.6	99.9
142.5°	2.6	23.0	53.8	81.9	92.2
145°	2.6	20.5	48.7	76.8	84.5
147.5°	2.6	17.9	43.5	69.1	76.8
150°	2.6	17.9	38.4	61.5	69.1
152.5°	2.6	15.4	33.3	56.3	64.0
155°	2.6	12.8	30.7	48.7	56.3
157.5°	2.6	12.8	25.6	41.0	48.7
160°	2.6	10.2	23.0	33.3	41.0
162.5°	2.6	10.2	20.5	28.2	35.8
165°	2.6	7.7	15.4	23.0	28.2
167.5°	2.6	7.7	12.8	17.9	23.0
170°	2.6	5.1	10.2	12.8	17.9
172.5°	2.6	5.1	7.7	7.7	7.7
175°	2.6	2.6	5.1	5.1	2.6
177.5°	2.6	2.6	2.6	2.6	2.6
180°	2.6	2.6	2.6	2.6	2.6

(END OF REPORT)