

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: P567808

Luminaire Tested: **8SNX-44SL-LW-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567808
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-L940-CD
Description: 8FT 4400 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

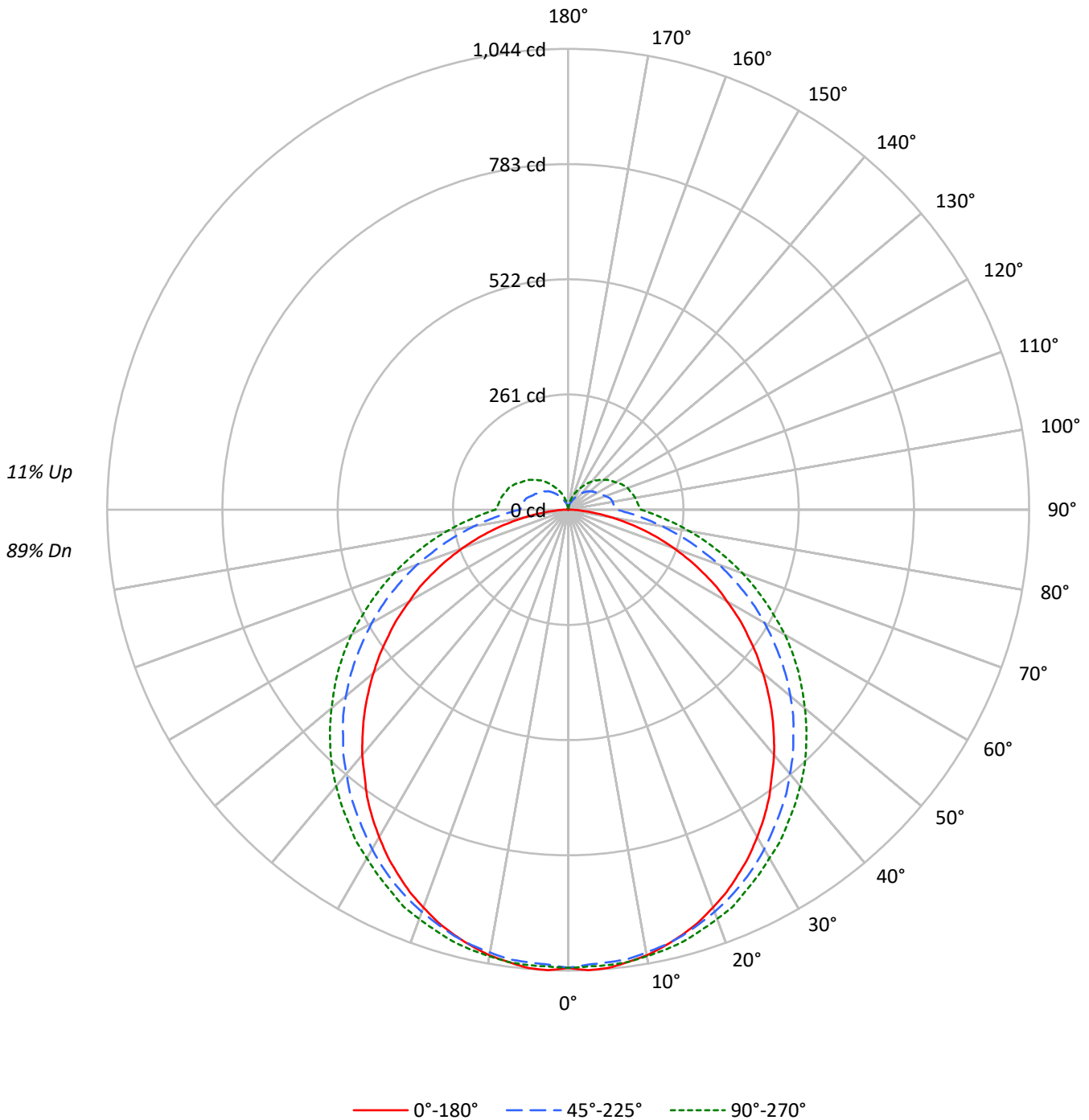
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3695.0 lumens
Efficiency: N/A
Efficacy: 133.9 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	77	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°	5586	5586	5586
5°	5620	5334	5288
10°	5582	5128	5023
15°	5526	4927	4785
20°	5450	4718	4547
25°	5362	4517	4314
30°	5256	4310	4091
35°	5142	4102	3882
40°	5010	3898	3683
45°	4866	3694	3479
50°	4703	3483	3265
55°	4524	3248	3055
60°	4314	3001	2833
65°	4096	2735	2580
70°	3791	2451	2331
75°	3386	2119	2067
80°	2727	1783	1803
85°	1920	1471	1533



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.6	2.7
10°-20°	283.4	7.7
20°-30°	430.9	11.7
30°-40°	523.0	14.2
40°-50°	552.7	15.0
50°-60°	517.2	14.0
60°-70°	424.3	11.5
70°-80°	291.9	7.9
80°-90°	159.8	4.3
90°-100°	102.9	2.8
100°-110°	92.4	2.5
110°-120°	76.4	2.1
120°-130°	58.9	1.6
130°-140°	41.4	1.1
140°-150°	24.9	0.7
150°-160°	11.9	0.3
160°-170°	3.9	0.1
170°-180°	0.5	0.0
0°-30°	812.8	22.0
0°-40°	1335.9	36.2
0°-60°	2405.7	65.1
0°-90°	3281.8	88.8
90°-120°	271.7	7.4
90°-150°	396.9	10.7
90°-180°	413.0	11.2
0°-180°	3695.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1038	1038	1038	1038	1038	
5°	1042	1040	1029	1038	1036	99
15°	997	1002	999	1012	1012	281
25°	912	922	933	952	952	420
35°	794	813	837	860	867	496
45°	653	683	721	753	762	503
55°	496	537	586	623	636	444
65°	336	381	439	479	492	333
75°	176	223	287	332	347	185
85°	38	92	156	199	214	44
90°	0	51	109	150	165	3
95°	0	49	105	143	158	0
105°	0	41	98	135	148	1
115°	2	36	84	120	135	2
125°	2	30	71	103	116	2
135°	2	24	58	84	94	2
145°	2	17	41	64	71	1
155°	2	11	26	41	47	1
165°	2	6	13	19	24	1
175°	2	2	4	4	2	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1037.9	1037.9	1037.9	1037.9	1037.9
2.5°	1044.4	1042.2	1031.5	1040.1	1035.8
5°	1042.2	1040.1	1029.4	1037.9	1035.8
7.5°	1033.7	1033.7	1027.2	1035.8	1033.7
10°	1025.1	1025.1	1018.7	1029.4	1027.2
12.5°	1012.3	1014.4	1010.1	1023.0	1020.8
15°	997.3	1001.6	999.4	1012.3	1012.3
17.5°	980.2	984.4	984.4	999.4	999.4
20°	958.8	965.2	969.5	986.6	986.6
22.5°	937.4	945.9	952.3	967.3	973.7
25°	911.7	922.4	933.1	952.3	952.3
27.5°	886.0	898.8	911.7	930.9	933.1
30°	856.0	871.0	888.1	907.4	911.7
32.5°	826.1	845.3	862.4	886.0	892.4
35°	794.0	813.2	836.8	860.3	866.7
37.5°	757.6	781.1	811.1	836.8	843.2
40°	725.5	751.2	781.1	811.1	817.5
42.5°	689.1	716.9	753.3	781.1	791.8
45°	652.7	682.7	721.2	753.3	761.9
47.5°	614.2	648.4	691.2	721.2	731.9
50°	575.7	612.1	657.0	691.2	699.8
52.5°	537.2	575.7	622.8	657.0	667.7
55°	496.5	537.2	586.4	622.8	635.6
57.5°	458.0	498.6	550.0	588.5	601.4
60°	415.2	462.3	513.6	552.1	567.1
62.5°	378.8	421.6	477.2	515.8	528.6
65°	336.0	380.9	438.7	479.4	492.2
67.5°	295.3	342.4	400.2	443.0	455.8
70°	254.7	301.7	363.8	404.5	419.5
72.5°	214.0	263.2	323.2	368.1	383.1
75°	175.5	222.6	286.8	331.7	346.7
77.5°	134.8	186.2	250.4	295.3	312.5
80°	98.4	151.9	216.1	261.1	278.2
82.5°	66.3	119.8	184.0	229.0	246.1
85°	38.5	92.0	156.2	199.0	214.0
87.5°	19.3	70.6	130.5	173.3	188.3
90°	0.0	51.4	109.1	149.8	164.8
92.5°	0.0	49.2	107.0	145.5	160.5
95°	0.0	49.2	104.9	143.4	158.4
97.5°	0.0	47.1	102.7	143.4	156.2
100°	0.0	44.9	102.7	141.2	154.1
102.5°	0.0	42.8	100.6	139.1	151.9
105°	0.0	40.7	98.4	134.8	147.7
107.5°	2.1	40.7	94.2	132.7	145.5
110°	2.1	38.5	89.9	130.5	143.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.1	36.4	85.6	126.3	139.1
115°	2.1	36.4	83.5	119.8	134.8
117.5°	2.1	34.2	79.2	115.6	130.5
120°	2.1	34.2	77.0	111.3	124.1
122.5°	2.1	32.1	72.8	107.0	119.8
125°	2.1	30.0	70.6	102.7	115.6
127.5°	2.1	27.8	68.5	98.4	111.3
130°	2.1	25.7	64.2	94.2	104.9
132.5°	2.1	25.7	62.1	87.7	100.6
135°	2.1	23.5	57.8	83.5	94.2
137.5°	2.1	21.4	53.5	79.2	89.9
140°	2.1	19.3	49.2	74.9	83.5
142.5°	2.1	19.3	44.9	68.5	77.0
145°	2.1	17.1	40.7	64.2	70.6
147.5°	2.1	15.0	36.4	57.8	64.2
150°	2.1	15.0	32.1	51.4	57.8
152.5°	2.1	12.8	27.8	47.1	53.5
155°	2.1	10.7	25.7	40.7	47.1
157.5°	2.1	10.7	21.4	34.2	40.7
160°	2.1	8.6	19.3	27.8	34.2
162.5°	2.1	8.6	17.1	23.5	30.0
165°	2.1	6.4	12.8	19.3	23.5
167.5°	2.1	6.4	10.7	15.0	19.3
170°	2.1	4.3	8.6	10.7	15.0
172.5°	2.1	4.3	6.4	6.4	6.4
175°	2.1	2.1	4.3	4.3	2.1
177.5°	2.1	2.1	2.1	2.1	2.1
180°	2.1	2.1	2.1	2.1	2.1

(END OF REPORT)