

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: P567815

Luminaire Tested: **8SNX-44SL-SLW-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567815
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-SLW-UNV-L935-CD
Description: 8FT 4400 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

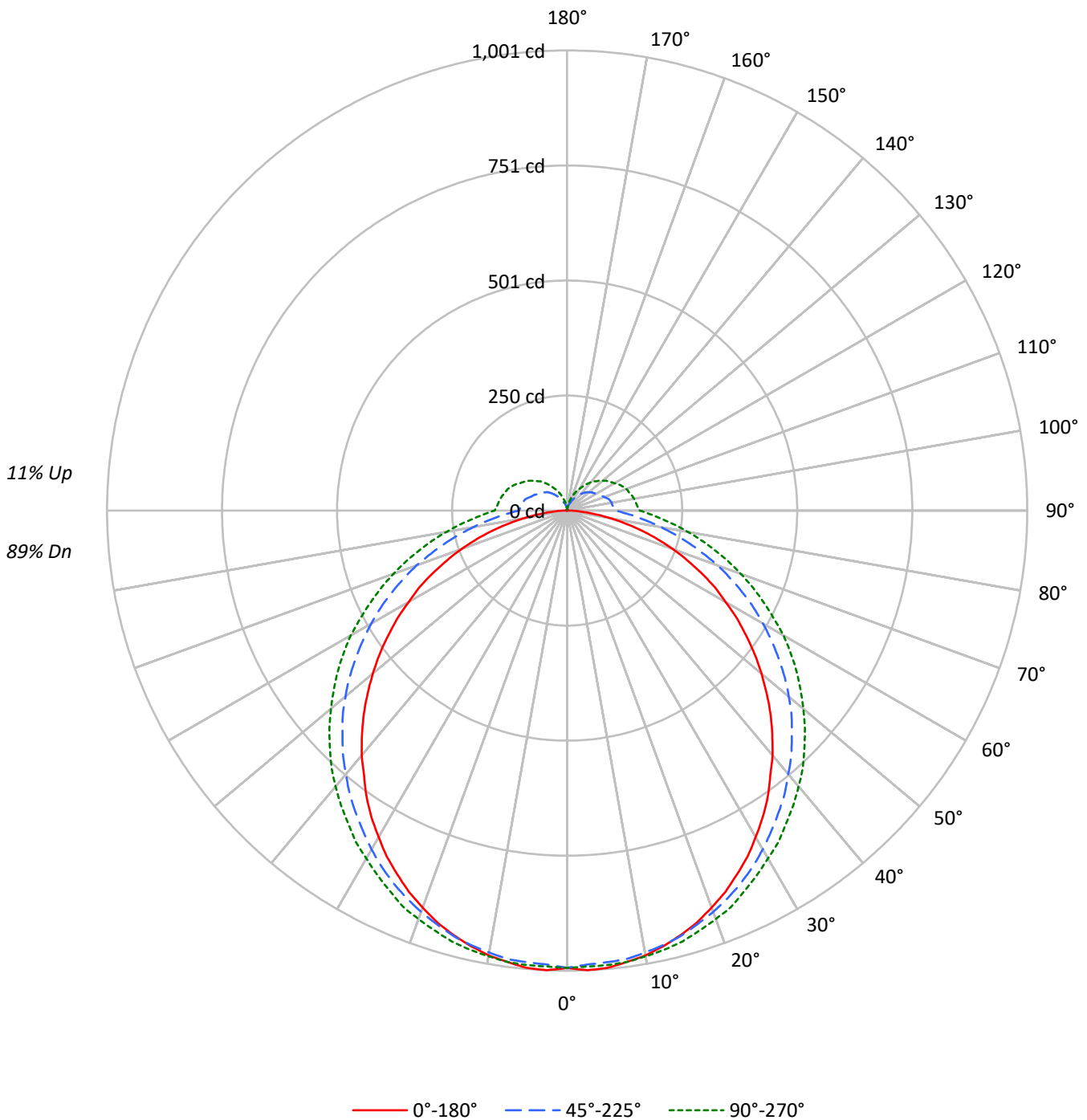
Lumens per Lamp: N/A
Luminaire Lumens: 3541.0 lumens
Efficiency: N/A
Efficacy: 128.3 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 27.6
Input Voltage (V): NR
Input Current (A_{in}): 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

TEST NUMBER: P567815

CATALOG NUMBER: 8SNX-44SL-SLW-UNV-L935-CD

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°	5353	5353	5353
5°	5391	5219	5211
10°	5359	5117	5082
15°	5310	5012	4964
20°	5243	4890	4831
25°	5163	4771	4693
30°	5068	4641	4556
35°	4963	4505	4428
40°	4842	4371	4305
45°	4712	4235	4172
50°	4563	4091	4023
55°	4399	3918	3877
60°	4207	3733	3714
65°	4011	3524	3509
70°	3735	3294	3308
75°	3367	3002	3085
80°	2760	2705	2866
85°	2037	2454	2641



TEST NUMBER: P567815

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.5	2.7
10°-20°	271.6	7.7
20°-30°	412.9	11.7
30°-40°	501.2	14.2
40°-50°	529.6	15.0
50°-60°	495.6	14.0
60°-70°	406.7	11.5
70°-80°	279.7	7.9
80°-90°	153.2	4.3
90°-100°	98.6	2.8
100°-110°	88.5	2.5
110°-120°	73.3	2.1
120°-130°	56.4	1.6
130°-140°	39.7	1.1
140°-150°	23.9	0.7
150°-160°	11.4	0.3
160°-170°	3.8	0.1
170°-180°	0.5	0.0
0°-30°	778.9	22.0
0°-40°	1280.2	36.2
0°-60°	2305.5	65.1
0°-90°	3145.0	88.8
90°-120°	260.4	7.4
90°-150°	380.4	10.7
90°-180°	396.0	11.2
0°-180°	3541.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	995	995	995	995	995	
5°	999	997	986	995	993	95
15°	956	960	958	970	970	269
25°	874	884	894	913	913	403
35°	761	779	802	824	831	475
45°	626	654	691	722	730	482
55°	476	515	562	597	609	426
65°	322	365	420	459	472	319
75°	168	213	275	318	332	177
85°	37	88	150	191	205	43
90°	0	49	105	144	158	3
95°	0	47	100	137	152	0
105°	0	39	94	129	142	1
115°	2	35	80	115	129	2
125°	2	29	68	98	111	2
135°	2	23	55	80	90	2
145°	2	16	39	62	68	1
155°	2	10	25	39	45	1
165°	2	6	12	18	23	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°	994.7	994.7	994.7	994.7	994.7
2.5°	1000.8	998.8	988.5	996.7	992.6
5°	998.8	996.7	986.5	994.7	992.6
7.5°	990.6	990.6	984.4	992.6	990.6
10°	982.4	982.4	976.2	986.5	984.4
12.5°	970.1	972.1	968.0	980.3	978.3
15°	955.7	959.8	957.8	970.1	970.1
17.5°	939.3	943.4	943.4	957.8	957.8
20°	918.8	924.9	929.0	945.5	945.5
22.5°	898.3	906.5	912.6	927.0	933.1
25°	873.7	883.9	894.2	912.6	912.6
27.5°	849.1	861.4	873.7	892.1	894.2
30°	820.4	834.7	851.1	869.6	873.7
32.5°	791.6	810.1	826.5	849.1	855.2
35°	760.9	779.3	801.9	824.5	830.6
37.5°	726.0	748.6	777.3	801.9	808.0
40°	695.2	719.9	748.6	777.3	783.4
42.5°	660.4	687.0	721.9	748.6	758.8
45°	625.5	654.2	691.1	721.9	730.1
47.5°	588.6	621.4	662.4	691.1	701.4
50°	551.7	586.6	629.6	662.4	670.6
52.5°	514.8	551.7	596.8	629.6	639.9
55°	475.8	514.8	561.9	596.8	609.1
57.5°	438.9	477.9	527.1	564.0	576.3
60°	397.9	443.0	492.2	529.1	543.5
62.5°	363.0	404.0	457.3	494.3	506.6
65°	322.0	365.1	420.4	459.4	471.7
67.5°	283.0	328.1	383.5	424.5	436.8
70°	244.1	289.2	348.6	387.6	402.0
72.5°	205.1	252.3	309.7	352.8	367.1
75°	168.2	213.3	274.8	317.9	332.2
77.5°	129.2	178.4	240.0	283.0	299.4
80°	94.3	145.6	207.1	250.2	266.6
82.5°	63.6	114.8	176.4	219.4	235.9
85°	36.9	88.2	149.7	190.7	205.1
87.5°	18.5	67.7	125.1	166.1	180.5
90°	0.0	49.2	104.6	143.6	157.9
92.5°	0.0	47.2	102.5	139.5	153.8
95°	0.0	47.2	100.5	137.4	151.8
97.5°	0.0	45.1	98.4	137.4	149.7
100°	0.0	43.1	98.4	135.4	147.7
102.5°	0.0	41.0	96.4	133.3	145.6
105°	0.0	39.0	94.3	129.2	141.5
107.5°	2.1	39.0	90.2	127.2	139.5
110°	2.1	36.9	86.1	125.1	137.4



TEST NUMBER: P567815

CATALOG NUMBER: 8SNX-44SL-SLW-UNV-L935-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.1	34.9	82.0	121.0	133.3
115°	2.1	34.9	80.0	114.8	129.2
117.5°	2.1	32.8	75.9	110.7	125.1
120°	2.1	32.8	73.8	106.6	119.0
122.5°	2.1	30.8	69.7	102.5	114.8
125°	2.1	28.7	67.7	98.4	110.7
127.5°	2.1	26.7	65.6	94.3	106.6
130°	2.1	24.6	61.5	90.2	100.5
132.5°	2.1	24.6	59.5	84.1	96.4
135°	2.1	22.6	55.4	80.0	90.2
137.5°	2.1	20.5	51.3	75.9	86.1
140°	2.1	18.5	47.2	71.8	80.0
142.5°	2.1	18.5	43.1	65.6	73.8
145°	2.1	16.4	39.0	61.5	67.7
147.5°	2.1	14.4	34.9	55.4	61.5
150°	2.1	14.4	30.8	49.2	55.4
152.5°	2.1	12.3	26.7	45.1	51.3
155°	2.1	10.3	24.6	39.0	45.1
157.5°	2.1	10.3	20.5	32.8	39.0
160°	2.1	8.2	18.5	26.7	32.8
162.5°	2.1	8.2	16.4	22.6	28.7
165°	2.1	6.2	12.3	18.5	22.6
167.5°	2.1	6.2	10.3	14.4	18.5
170°	2.1	4.1	8.2	10.3	14.4
172.5°	2.1	4.1	6.2	6.2	6.2
175°	2.1	2.1	4.1	4.1	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)