

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: P567806

Luminaire Tested: **8SNX-44SL-LW-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567806
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-L930-CD
Description: 8FT 4400 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

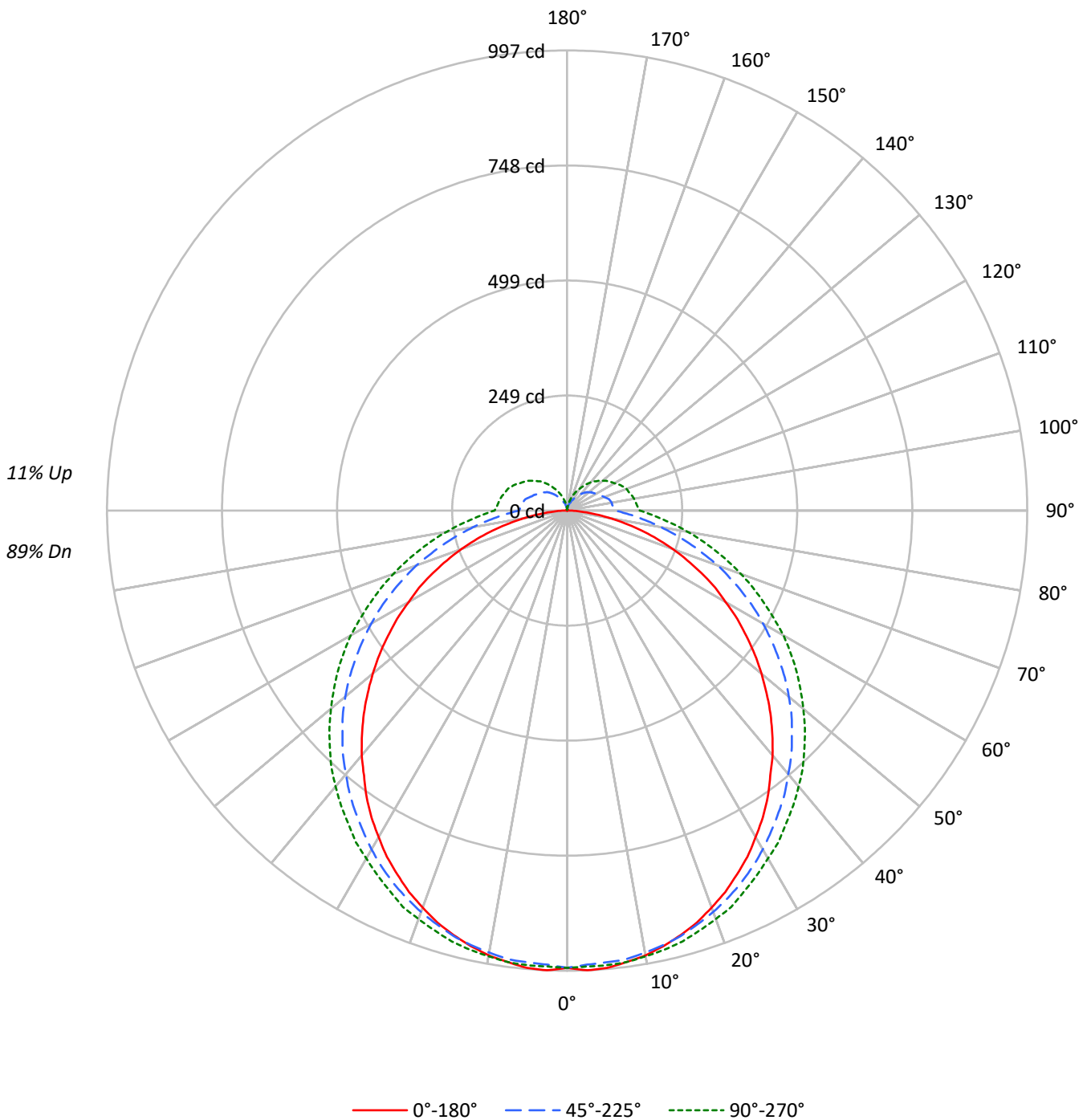
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3527.0 lumens
Efficiency: N/A
Efficacy: 127.8 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

TEST NUMBER: P567806
CATALOG NUMBER: 8SNX-44SL-LW-UNV-L930-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°	5332	5332	5332
5°	5365	5092	5047
10°	5328	4895	4795
15°	5274	4703	4568
20°	5202	4503	4340
25°	5118	4311	4118
30°	5018	4114	3905
35°	4908	3915	3706
40°	4782	3721	3516
45°	4645	3526	3321
50°	4489	3325	3117
55°	4318	3100	2916
60°	4117	2865	2704
65°	3909	2611	2462
70°	3618	2340	2225
75°	3232	2022	1973
80°	2606	1702	1722
85°	1835	1404	1464



TEST NUMBER: P567806

CATALOG NUMBER: 8SNX-44SL-LW-UNV-L930-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.1	2.7
10°-20°	270.5	7.7
20°-30°	411.3	11.7
30°-40°	499.2	14.2
40°-50°	527.6	15.0
50°-60°	493.7	14.0
60°-70°	405.1	11.5
70°-80°	278.6	7.9
80°-90°	152.6	4.3
90°-100°	98.3	2.8
100°-110°	88.2	2.5
110°-120°	73.0	2.1
120°-130°	56.2	1.6
130°-140°	39.5	1.1
140°-150°	23.8	0.7
150°-160°	11.4	0.3
160°-170°	3.7	0.1
170°-180°	0.4	0.0
0°-30°	775.9	22.0
0°-40°	1275.1	36.2
0°-60°	2296.3	65.1
0°-90°	3132.5	88.8
90°-120°	259.4	7.4
90°-150°	378.9	10.7
90°-180°	394.0	11.2
0°-180°	3527.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	991	991	991	991	991	
5°	995	993	983	991	989	94
15°	952	956	954	966	966	268
25°	870	880	891	909	909	401
35°	758	776	799	821	827	473
45°	623	652	688	719	727	480
55°	474	513	560	594	607	424
65°	321	364	419	458	470	318
75°	168	212	274	317	331	176
85°	37	88	149	190	204	42
90°	0	49	104	143	157	3
95°	0	47	100	137	151	0
105°	0	39	94	129	141	1
115°	2	35	80	114	129	2
125°	2	29	67	98	110	2
135°	2	22	55	80	90	2
145°	2	16	39	61	67	1
155°	2	10	24	39	45	1
165°	2	6	12	18	22	1
175°	2	2	4	4	2	0
180°	2	2	2	2	2	



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CATALOG NUMBER: 8SNX-44SL-LW-UNV-L930-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	990.7	990.7	990.7	990.7	990.7
2.5°	996.9	994.8	984.6	992.8	988.7
5°	994.8	992.8	982.6	990.7	988.7
7.5°	986.7	986.7	980.5	988.7	986.7
10°	978.5	978.5	972.4	982.6	980.5
12.5°	966.2	968.3	964.2	976.4	974.4
15°	951.9	956.0	954.0	966.2	966.2
17.5°	935.6	939.7	939.7	954.0	954.0
20°	915.2	921.3	925.4	941.7	941.7
22.5°	894.7	902.9	909.0	923.3	929.5
25°	870.2	880.4	890.6	909.0	909.0
27.5°	845.7	858.0	870.2	888.6	890.6
30°	817.1	831.4	847.7	866.1	870.2
32.5°	788.5	806.9	823.2	845.7	851.8
35°	757.9	776.3	798.7	821.2	827.3
37.5°	723.1	745.6	774.2	798.7	804.9
40°	692.5	717.0	745.6	774.2	780.3
42.5°	657.8	684.3	719.1	745.6	755.8
45°	623.0	651.6	688.4	719.1	727.2
47.5°	586.3	619.0	659.8	688.4	698.6
50°	549.5	584.2	627.1	659.8	668.0
52.5°	512.7	549.5	594.4	627.1	637.3
55°	473.9	512.7	559.7	594.4	606.7
57.5°	437.2	476.0	525.0	561.8	574.0
60°	396.3	441.2	490.3	527.0	541.3
62.5°	361.6	402.4	455.5	492.3	504.6
65°	320.7	363.6	418.8	457.6	469.8
67.5°	281.9	326.8	382.0	422.9	435.1
70°	243.1	288.0	347.3	386.1	400.4
72.5°	204.3	251.3	308.5	351.4	365.7
75°	167.5	212.4	273.7	316.6	330.9
77.5°	128.7	177.7	239.0	281.9	298.2
80°	94.0	145.0	206.3	249.2	265.6
82.5°	63.3	114.4	175.7	218.6	234.9
85°	36.8	87.8	149.1	190.0	204.3
87.5°	18.4	67.4	124.6	165.5	179.8
90°	0.0	49.0	104.2	143.0	157.3
92.5°	0.0	47.0	102.1	138.9	153.2
95°	0.0	47.0	100.1	136.9	151.2
97.5°	0.0	44.9	98.1	136.9	149.1
100°	0.0	42.9	98.1	134.8	147.1
102.5°	0.0	40.9	96.0	132.8	145.0
105°	0.0	38.8	94.0	128.7	141.0
107.5°	2.0	38.8	89.9	126.7	138.9
110°	2.0	36.8	85.8	124.6	136.9



TEST NUMBER: P567806

CATALOG NUMBER: 8SNX-44SL-LW-UNV-L930-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.0	34.7	81.7	120.5	132.8
115°	2.0	34.7	79.7	114.4	128.7
117.5°	2.0	32.7	75.6	110.3	124.6
120°	2.0	32.7	73.5	106.2	118.5
122.5°	2.0	30.6	69.5	102.1	114.4
125°	2.0	28.6	67.4	98.1	110.3
127.5°	2.0	26.6	65.4	94.0	106.2
130°	2.0	24.5	61.3	89.9	100.1
132.5°	2.0	24.5	59.2	83.8	96.0
135°	2.0	22.5	55.2	79.7	89.9
137.5°	2.0	20.4	51.1	75.6	85.8
140°	2.0	18.4	47.0	71.5	79.7
142.5°	2.0	18.4	42.9	65.4	73.5
145°	2.0	16.3	38.8	61.3	67.4
147.5°	2.0	14.3	34.7	55.2	61.3
150°	2.0	14.3	30.6	49.0	55.2
152.5°	2.0	12.3	26.6	44.9	51.1
155°	2.0	10.2	24.5	38.8	44.9
157.5°	2.0	10.2	20.4	32.7	38.8
160°	2.0	8.2	18.4	26.6	32.7
162.5°	2.0	8.2	16.3	22.5	28.6
165°	2.0	6.1	12.3	18.4	22.5
167.5°	2.0	6.1	10.2	14.3	18.4
170°	2.0	4.1	8.2	10.2	14.3
172.5°	2.0	4.1	6.1	6.1	6.1
175°	2.0	2.0	4.1	4.1	2.0
177.5°	2.0	2.0	2.0	2.0	2.0
180°	2.0	2.0	2.0	2.0	2.0

(END OF REPORT)