

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: P567782

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567782
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-15)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-44SL-FDL-UNV-L930-CD
Description: 8FT 4400 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

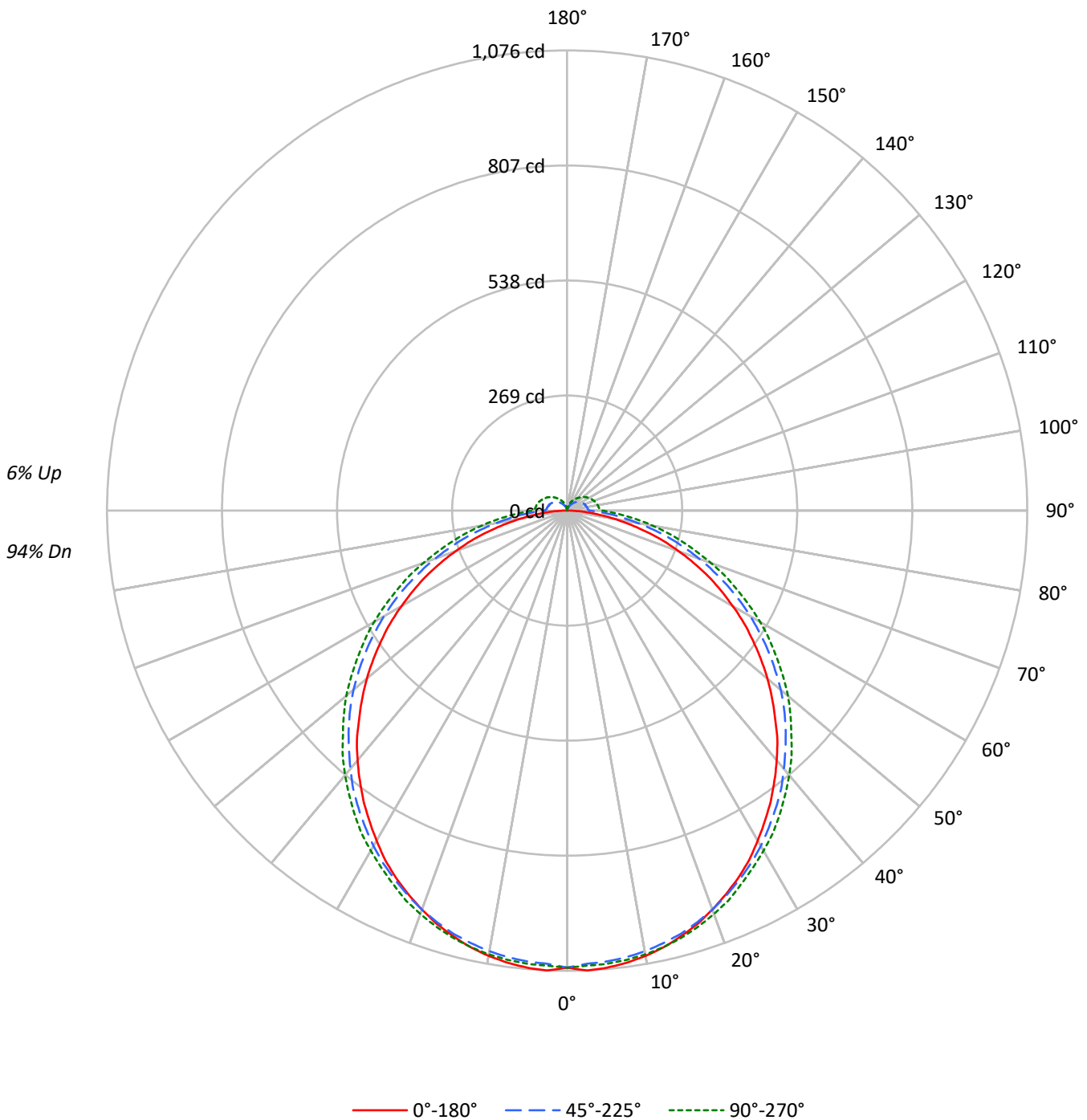
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3396.0 lumens
Efficiency: N/A
Efficacy: 123.0 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.04')
CIE Type: 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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	107	102	97	93	103	99	95	91	93	90	87	88	86	83	84	82	80	77
2	97	88	81	75	93	86	79	74	81	76	71	77	73	69	73	69	66	64
3	88	77	69	62	85	75	67	61	71	65	59	68	62	57	64	60	56	53
4	80	68	59	52	78	66	58	52	63	56	50	60	54	49	57	52	48	45
5	74	61	52	45	71	59	51	44	56	49	43	54	47	42	51	46	41	39
6	68	55	46	39	66	53	45	39	51	43	38	49	42	37	47	41	36	34
7	63	49	41	34	61	48	40	34	46	39	33	44	38	33	43	37	32	30
8	59	45	36	31	57	44	36	30	42	35	30	41	34	29	39	33	29	27
9	55	41	33	27	53	40	33	27	39	32	27	37	31	26	36	30	26	24
10	51	38	30	25	50	37	30	25	36	29	24	35	28	24	33	28	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5752	5752	5752
5°	5794	5658	5665
10°	5772	5599	5594
15°	5732	5530	5514
20°	5676	5446	5420
25°	5611	5353	5308
30°	5522	5259	5206
35°	5433	5149	5099
40°	5334	5026	4978
45°	5209	4906	4837
50°	5089	4768	4710
55°	4940	4597	4531
60°	4773	4401	4355
65°	4597	4167	4113
70°	4291	3874	3862
75°	3925	3528	3561
80°	3387	3068	3230
85°	2733	2673	2838



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.3	3.0
10°-20°	290.8	8.6
20°-30°	440.7	13.0
30°-40°	532.0	15.7
40°-50°	555.6	16.4
50°-60°	510.4	15.0
60°-70°	403.6	11.9
70°-80°	255.4	7.5
80°-90°	109.8	3.2
90°-100°	48.3	1.4
100°-110°	43.2	1.3
110°-120°	36.5	1.1
120°-130°	28.5	0.8
130°-140°	19.7	0.6
140°-150°	11.8	0.3
150°-160°	5.8	0.2
160°-170°	2.0	0.1
170°-180°	0.3	0.0
0°-30°	832.9	24.5
0°-40°	1364.9	40.2
0°-60°	2430.9	71.6
0°-90°	3199.8	94.2
90°-120°	128.1	3.8
90°-150°	188.1	5.5
90°-180°	196.0	5.8
0°-180°	3396.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1069	1069	1069	1069	1069	
5°	1073	1070	1058	1068	1064	102
15°	1030	1030	1025	1036	1034	291
25°	947	951	953	965	963	436
35°	830	840	850	864	867	519
45°	688	705	723	737	742	531
55°	530	552	575	594	598	475
65°	365	386	412	432	438	359
75°	192	215	247	268	278	204
85°	47	72	103	126	134	52
90°	3	26	53	74	82	4
95°	1	22	48	67	75	0
105°	1	20	45	63	70	1
115°	1	17	41	57	63	1
125°	1	16	34	49	55	1
135°	1	12	28	39	44	1
145°	1	9	19	30	32	1
155°	1	6	13	19	22	1
165°	2	4	7	9	13	1
175°	2	2	3	3	2	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1068.7	1068.7	1068.7	1068.7	1068.7
2.5°	1076.5	1072.9	1060.8	1069.3	1065.0
5°	1072.9	1069.9	1058.4	1067.5	1063.8
7.5°	1066.3	1063.8	1053.6	1063.2	1059.6
10°	1057.2	1055.4	1046.4	1056.0	1053.6
12.5°	1045.8	1045.2	1036.2	1047.0	1045.2
15°	1030.2	1030.2	1024.8	1035.6	1033.8
17.5°	1013.3	1013.9	1009.7	1021.1	1019.9
20°	992.9	995.9	992.9	1004.9	1003.7
22.5°	970.6	974.8	973.6	985.7	986.3
25°	947.2	951.4	952.6	965.2	963.4
27.5°	921.3	927.9	930.3	941.8	941.2
30°	891.2	900.3	905.7	915.3	918.3
32.5°	860.6	871.4	878.0	891.2	894.9
35°	829.9	839.5	850.4	863.6	866.6
37.5°	796.2	807.1	821.5	834.1	837.7
40°	762.6	774.6	788.4	802.2	807.7
42.5°	727.7	740.3	755.3	771.6	777.0
45°	688.0	704.8	722.9	736.7	741.5
47.5°	650.1	668.7	688.0	703.0	708.4
50°	611.6	631.5	651.9	665.7	674.2
52.5°	571.3	593.0	613.4	630.9	636.3
55°	530.4	552.1	574.9	593.6	597.8
57.5°	490.7	511.8	534.6	552.1	560.5
60°	447.4	470.3	494.9	512.4	521.4
62.5°	405.3	427.6	454.0	472.7	479.9
65°	365.0	385.5	412.5	431.8	438.4
67.5°	320.5	344.0	369.9	392.1	400.5
70°	276.6	298.9	328.4	349.4	357.8
72.5°	235.7	257.4	286.9	307.9	315.7
75°	192.4	215.3	246.6	267.6	277.8
77.5°	150.9	176.2	206.3	229.1	240.6
80°	112.5	134.7	167.2	192.4	202.7
82.5°	76.4	100.4	134.1	157.6	169.0
85°	46.9	72.2	103.4	125.7	133.5
87.5°	22.3	46.3	75.2	96.8	106.4
90°	3.0	25.9	52.9	74.0	81.8
92.5°	0.6	22.3	48.7	68.6	75.8
95°	0.6	22.3	48.1	67.4	74.6
97.5°	0.6	21.6	47.5	66.8	73.4
100°	0.6	21.0	46.9	65.6	72.8
102.5°	0.6	21.0	45.7	64.3	71.0
105°	0.6	20.4	45.1	63.1	69.8
107.5°	0.6	19.8	43.9	61.9	68.6
110°	0.6	18.6	43.3	60.1	66.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.6	18.0	42.1	58.9	64.9
115°	0.6	17.4	40.9	57.1	63.1
117.5°	0.6	16.8	39.1	55.3	61.3
120°	1.2	16.8	37.9	53.5	58.9
122.5°	1.2	16.2	36.1	51.1	56.5
125°	1.2	15.6	34.3	49.3	54.7
127.5°	1.2	15.0	32.5	46.9	51.7
130°	1.2	13.8	31.3	44.5	49.3
132.5°	1.2	13.2	29.5	41.5	46.3
135°	1.2	12.0	27.7	39.1	43.9
137.5°	1.2	11.4	25.9	36.7	40.9
140°	1.2	10.8	23.5	34.3	38.5
142.5°	1.2	9.6	21.6	31.9	35.5
145°	1.2	9.0	19.2	29.5	32.5
147.5°	1.2	7.8	17.4	27.1	30.1
150°	1.2	7.2	15.6	24.7	27.7
152.5°	1.2	6.6	13.8	21.6	24.7
155°	1.2	6.0	12.6	18.6	22.3
157.5°	1.2	5.4	10.8	16.2	19.8
160°	1.8	4.8	9.6	13.8	16.8
162.5°	1.8	4.2	7.8	11.4	15.0
165°	1.8	4.2	6.6	9.0	12.6
167.5°	1.8	3.6	5.4	7.2	10.2
170°	1.8	3.0	4.8	5.4	7.8
172.5°	1.8	2.4	3.6	3.6	4.2
175°	1.8	2.4	3.0	3.0	1.8
177.5°	1.8	1.8	1.8	1.8	1.2
180°	1.8	1.8	1.8	1.8	1.8

(END OF REPORT)