

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: P567783

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567783
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-L935-CD
Description: 8FT 4400 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

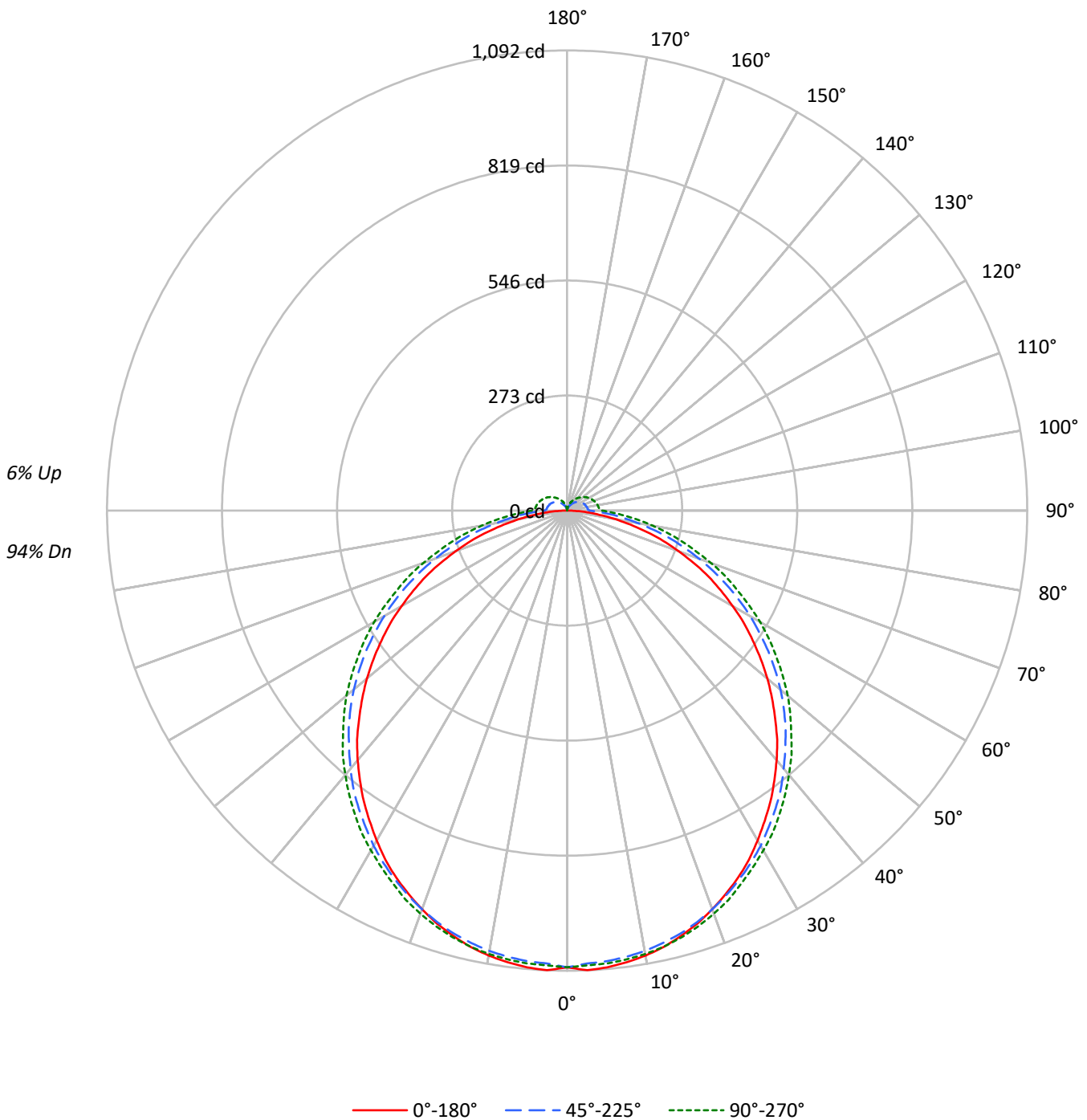
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3444.0 lumens
Efficiency: N/A
Efficacy: 124.8 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 (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

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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°	5833	5833	5833
5°	5875	5738	5745
10°	5854	5678	5673
15°	5813	5608	5592
20°	5756	5523	5496
25°	5691	5429	5383
30°	5600	5334	5280
35°	5509	5222	5170
40°	5409	5098	5049
45°	5283	4975	4906
50°	5162	4835	4776
55°	5010	4661	4594
60°	4841	4463	4417
65°	4662	4227	4171
70°	4352	3928	3917
75°	3982	3578	3613
80°	3432	3110	3274
85°	2774	2711	2878



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.8	3.0
10°-20°	294.9	8.6
20°-30°	447.0	13.0
30°-40°	539.6	15.7
40°-50°	563.4	16.4
50°-60°	517.6	15.0
60°-70°	409.3	11.9
70°-80°	259.1	7.5
80°-90°	111.4	3.2
90°-100°	49.0	1.4
100°-110°	43.9	1.3
110°-120°	37.1	1.1
120°-130°	28.9	0.8
130°-140°	20.0	0.6
140°-150°	12.0	0.3
150°-160°	5.9	0.2
160°-170°	2.0	0.1
170°-180°	0.3	0.0
0°-30°	844.7	24.5
0°-40°	1384.2	40.2
0°-60°	2465.3	71.6
0°-90°	3245.0	94.2
90°-120°	129.9	3.8
90°-150°	190.8	5.5
90°-180°	199.0	5.8
0°-180°	3444.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1084	1084	1084	1084	1084	
5°	1088	1085	1073	1082	1079	103
15°	1045	1045	1039	1050	1048	295
25°	961	965	966	979	977	442
35°	842	851	862	876	879	526
45°	698	715	733	747	752	539
55°	538	560	583	602	606	481
65°	370	391	418	438	445	365
75°	195	218	250	271	282	207
85°	48	73	105	128	135	53
90°	3	26	54	75	83	4
95°	1	23	49	68	76	0
105°	1	21	46	64	71	1
115°	1	18	42	58	64	1
125°	1	16	35	50	56	1
135°	1	12	28	40	44	1
145°	1	9	20	30	33	1
155°	1	6	13	19	23	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°	1083.8	1083.8	1083.8	1083.8	1083.8
2.5°	1091.7	1088.0	1075.8	1084.4	1080.1
5°	1088.0	1085.0	1073.4	1082.5	1078.9
7.5°	1081.3	1078.9	1068.5	1078.3	1074.6
10°	1072.2	1070.3	1061.2	1071.0	1068.5
12.5°	1060.6	1060.0	1050.8	1061.8	1060.0
15°	1044.7	1044.7	1039.2	1050.2	1048.4
17.5°	1027.7	1028.3	1024.0	1035.6	1034.4
20°	1006.9	1010.0	1006.9	1019.1	1017.9
22.5°	984.4	988.6	987.4	999.6	1000.2
25°	960.6	964.8	966.1	978.9	977.0
27.5°	934.3	941.0	943.5	955.1	954.5
30°	903.8	913.0	918.5	928.2	931.3
32.5°	872.7	883.7	890.4	903.8	907.5
35°	841.6	851.4	862.4	875.8	878.8
37.5°	807.5	818.5	833.1	845.9	849.6
40°	773.3	785.5	799.6	813.6	819.1
42.5°	738.0	750.8	766.0	782.5	788.0
45°	697.7	714.8	733.1	747.1	752.0
47.5°	659.3	678.2	697.7	713.0	718.4
50°	620.3	640.4	661.1	675.1	683.7
52.5°	579.4	601.3	622.1	639.8	645.3
55°	537.9	559.9	583.0	602.0	606.2
57.5°	497.7	519.0	542.2	559.9	568.4
60°	453.8	476.9	501.9	519.6	528.8
62.5°	411.1	433.6	460.5	479.4	486.7
65°	370.2	390.9	418.4	437.9	444.6
67.5°	325.1	348.9	375.1	397.6	406.2
70°	280.5	303.1	333.0	354.3	362.9
72.5°	239.1	261.0	290.9	312.3	320.2
75°	195.2	218.3	250.1	271.4	281.8
77.5°	153.1	178.7	209.2	232.4	244.0
80°	114.0	136.6	169.5	195.2	205.5
82.5°	77.5	101.9	136.0	159.8	171.4
85°	47.6	73.2	104.9	127.5	135.4
87.5°	22.6	47.0	76.2	98.2	107.9
90°	3.0	26.2	53.7	75.0	82.9
92.5°	0.6	22.6	49.4	69.5	76.8
95°	0.6	22.6	48.8	68.3	75.6
97.5°	0.6	22.0	48.2	67.7	74.4
100°	0.6	21.3	47.6	66.5	73.8
102.5°	0.6	21.3	46.4	65.3	72.0
105°	0.6	20.7	45.7	64.0	70.7
107.5°	0.6	20.1	44.5	62.8	69.5
110°	0.6	18.9	43.9	61.0	67.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.6	18.3	42.7	59.8	65.9
115°	0.6	17.7	41.5	57.9	64.0
117.5°	0.6	17.1	39.6	56.1	62.2
120°	1.2	17.1	38.4	54.3	59.8
122.5°	1.2	16.5	36.6	51.8	57.3
125°	1.2	15.9	34.8	50.0	55.5
127.5°	1.2	15.2	32.9	47.6	52.4
130°	1.2	14.0	31.7	45.1	50.0
132.5°	1.2	13.4	29.9	42.1	47.0
135°	1.2	12.2	28.1	39.6	44.5
137.5°	1.2	11.6	26.2	37.2	41.5
140°	1.2	11.0	23.8	34.8	39.0
142.5°	1.2	9.8	22.0	32.3	36.0
145°	1.2	9.1	19.5	29.9	32.9
147.5°	1.2	7.9	17.7	27.4	30.5
150°	1.2	7.3	15.9	25.0	28.1
152.5°	1.2	6.7	14.0	22.0	25.0
155°	1.2	6.1	12.8	18.9	22.6
157.5°	1.2	5.5	11.0	16.5	20.1
160°	1.8	4.9	9.8	14.0	17.1
162.5°	1.8	4.3	7.9	11.6	15.2
165°	1.8	4.3	6.7	9.1	12.8
167.5°	1.8	3.7	5.5	7.3	10.4
170°	1.8	3.0	4.9	5.5	7.9
172.5°	1.8	2.4	3.7	3.7	4.3
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)