

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: P567785

Luminaire Tested: **8SNX-44SL-FDL-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567785
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-L950-CD
Description: 8FT 4400 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

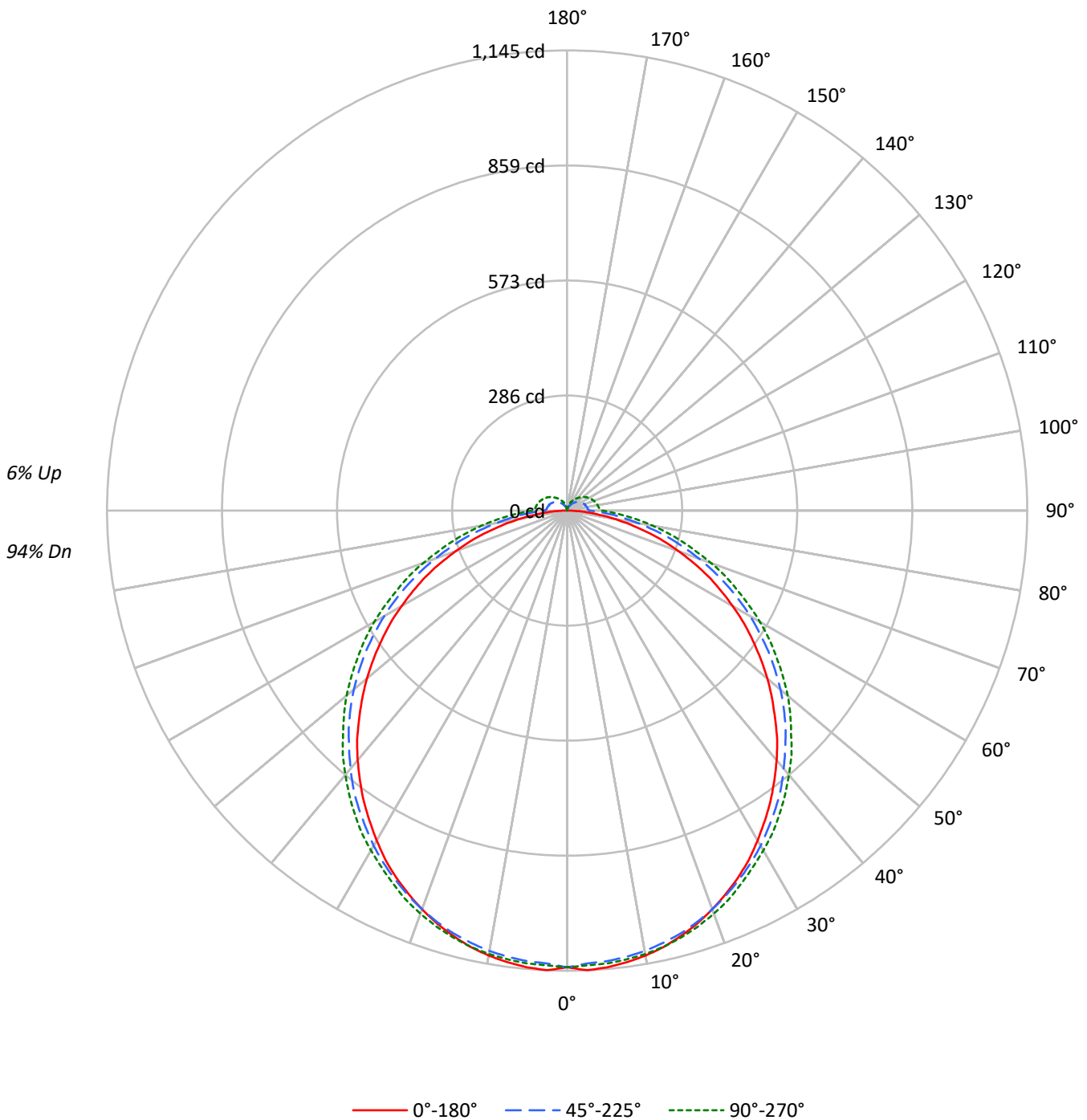
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3611.0 lumens
Efficiency: N/A
Efficacy: 130.8 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°	6116	6116	6116
5°	6160	6016	6023
10°	6138	5953	5948
15°	6095	5880	5863
20°	6035	5790	5763
25°	5966	5692	5645
30°	5872	5592	5535
35°	5776	5475	5422
40°	5672	5345	5293
45°	5539	5216	5143
50°	5411	5070	5007
55°	5253	4888	4817
60°	5076	4680	4631
65°	4888	4432	4374
70°	4563	4118	4107
75°	4173	3751	3787
80°	3600	3262	3434
85°	2908	2843	3018



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.8	3.0
10°-20°	309.2	8.6
20°-30°	468.6	13.0
30°-40°	565.7	15.7
40°-50°	590.7	16.4
50°-60°	542.7	15.0
60°-70°	429.2	11.9
70°-80°	271.6	7.5
80°-90°	116.8	3.2
90°-100°	51.4	1.4
100°-110°	46.0	1.3
110°-120°	38.8	1.1
120°-130°	30.3	0.8
130°-140°	21.0	0.6
140°-150°	12.6	0.3
150°-160°	6.1	0.2
160°-170°	2.1	0.1
170°-180°	0.3	0.0
0°-30°	885.6	24.5
0°-40°	1451.3	40.2
0°-60°	2584.8	71.6
0°-90°	3402.4	94.2
90°-120°	136.2	3.8
90°-150°	200.0	5.5
90°-180°	209.0	5.8
0°-180°	3611.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1136	1136	1136	1136	1136	
5°	1141	1138	1125	1135	1131	108
15°	1095	1095	1090	1101	1099	309
25°	1007	1012	1013	1026	1024	464
35°	882	893	904	918	922	552
45°	732	749	769	783	788	565
55°	564	587	611	631	636	505
65°	388	410	439	459	466	382
75°	205	229	262	285	295	217
85°	50	77	110	134	142	55
90°	3	28	56	79	87	4
95°	1	24	51	72	79	0
105°	1	22	48	67	74	1
115°	1	18	44	61	67	1
125°	1	17	36	52	58	1
135°	1	13	29	42	47	1
145°	1	10	20	31	34	1
155°	1	6	13	20	24	1
165°	2	4	7	10	13	1
175°	2	3	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°	1136.3	1136.3	1136.3	1136.3	1136.3
2.5°	1144.6	1140.8	1128.0	1137.0	1132.5
5°	1140.8	1137.6	1125.4	1135.0	1131.2
7.5°	1133.8	1131.2	1120.3	1130.6	1126.7
10°	1124.2	1122.2	1112.7	1122.9	1120.3
12.5°	1112.0	1111.4	1101.8	1113.3	1111.4
15°	1095.4	1095.4	1089.6	1101.1	1099.2
17.5°	1077.5	1078.1	1073.6	1085.8	1084.5
20°	1055.7	1058.9	1055.7	1068.5	1067.3
22.5°	1032.1	1036.6	1035.3	1048.1	1048.7
25°	1007.1	1011.6	1012.9	1026.3	1024.4
27.5°	979.6	986.7	989.2	1001.4	1000.7
30°	947.7	957.3	963.0	973.3	976.4
32.5°	915.1	926.6	933.6	947.7	951.5
35°	882.4	892.7	904.2	918.3	921.5
37.5°	846.6	858.2	873.5	886.9	890.8
40°	810.8	823.6	838.3	853.0	858.8
42.5°	773.7	787.2	803.2	820.4	826.2
45°	731.5	749.4	768.6	783.3	788.4
47.5°	691.3	711.1	731.5	747.5	753.3
50°	650.3	671.4	693.2	707.9	716.8
52.5°	607.5	630.5	652.2	670.8	676.5
55°	564.0	587.0	611.3	631.1	635.6
57.5°	521.8	544.2	568.5	587.0	596.0
60°	475.8	500.1	526.3	544.8	554.4
62.5°	431.0	454.7	482.8	502.6	510.3
65°	388.1	409.9	438.7	459.1	466.2
67.5°	340.8	365.8	393.3	416.9	425.9
70°	294.1	317.8	349.1	371.5	380.5
72.5°	250.7	273.7	305.0	327.4	335.7
75°	204.6	228.9	262.2	284.6	295.4
77.5°	160.5	187.4	219.3	243.6	255.8
80°	119.6	143.2	177.8	204.6	215.5
82.5°	81.2	106.8	142.6	167.5	179.7
85°	49.9	76.7	110.0	133.6	142.0
87.5°	23.7	49.2	79.9	103.0	113.2
90°	3.2	27.5	56.3	78.7	87.0
92.5°	0.6	23.7	51.8	72.9	80.6
95°	0.6	23.7	51.2	71.6	79.3
97.5°	0.6	23.0	50.5	71.0	78.0
100°	0.6	22.4	49.9	69.7	77.4
102.5°	0.6	22.4	48.6	68.4	75.5
105°	0.6	21.7	48.0	67.1	74.2
107.5°	0.6	21.1	46.7	65.9	72.9
110°	0.6	19.8	46.0	63.9	71.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.6	19.2	44.8	62.7	69.1
115°	0.6	18.5	43.5	60.7	67.1
117.5°	0.6	17.9	41.6	58.8	65.2
120°	1.3	17.9	40.3	56.9	62.7
122.5°	1.3	17.3	38.4	54.4	60.1
125°	1.3	16.6	36.4	52.4	58.2
127.5°	1.3	16.0	34.5	49.9	55.0
130°	1.3	14.7	33.3	47.3	52.4
132.5°	1.3	14.1	31.3	44.1	49.2
135°	1.3	12.8	29.4	41.6	46.7
137.5°	1.3	12.1	27.5	39.0	43.5
140°	1.3	11.5	24.9	36.4	40.9
142.5°	1.3	10.2	23.0	33.9	37.7
145°	1.3	9.6	20.5	31.3	34.5
147.5°	1.3	8.3	18.5	28.8	32.0
150°	1.3	7.7	16.6	26.2	29.4
152.5°	1.3	7.0	14.7	23.0	26.2
155°	1.3	6.4	13.4	19.8	23.7
157.5°	1.3	5.8	11.5	17.3	21.1
160°	1.9	5.1	10.2	14.7	17.9
162.5°	1.9	4.5	8.3	12.1	16.0
165°	1.9	4.5	7.0	9.6	13.4
167.5°	1.9	3.8	5.8	7.7	10.9
170°	1.9	3.2	5.1	5.8	8.3
172.5°	1.9	2.6	3.8	3.8	4.5
175°	1.9	2.6	3.2	3.2	1.9
177.5°	1.9	1.9	1.9	1.9	1.3
180°	1.9	1.9	1.9	1.9	1.9

(END OF REPORT)