

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: P566426

Luminaire Tested: **4SNX-45SL-FDL-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566426
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: 4SNX-45SL-FDL-UNV-L930-CD
Description: 4FT 4500 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

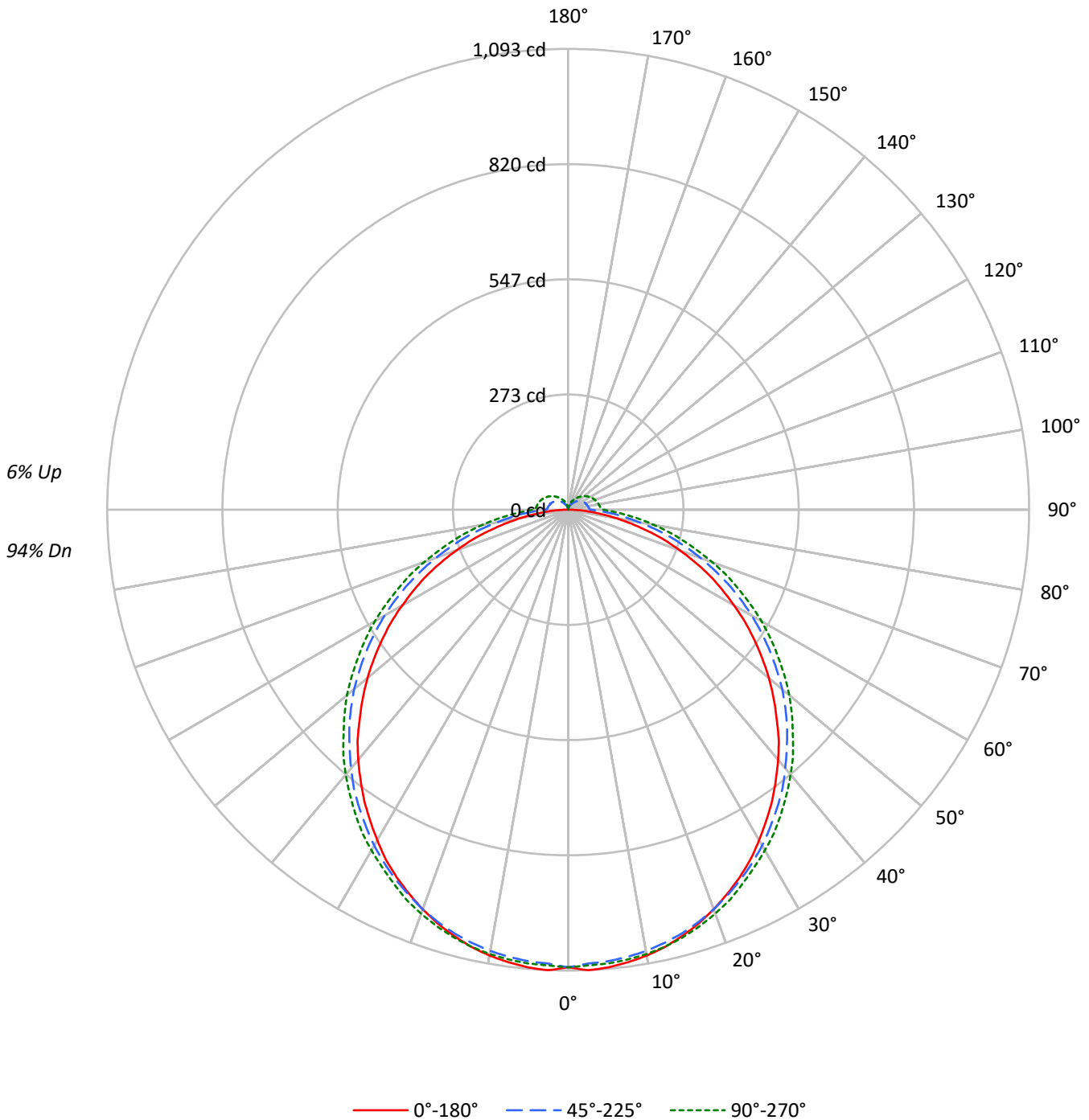
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3449.0 lumens
Efficiency: N/A
Efficacy: 115.7 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.04')
CIE Type: Direct

Input Watts (W): 29.8
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°	11682	11682	11682
5°	11762	11490	11506
10°	11714	11364	11362
15°	11626	11221	11200
20°	11507	11047	11009
25°	11370	10857	10783
30°	11184	10662	10574
35°	10996	10433	10356
40°	10788	10181	10112
45°	10526	9931	9826
50°	10275	9648	9566
55°	9961	9295	9203
60°	9609	8893	8845
65°	9235	8413	8355
70°	8597	7809	7845
75°	7822	7097	7236
80°	6684	6155	6558
85°	5253	5339	5765



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.9	3.0
10°-20°	295.4	8.6
20°-30°	447.6	13.0
30°-40°	540.3	15.7
40°-50°	564.3	16.4
50°-60°	518.4	15.0
60°-70°	409.9	11.9
70°-80°	259.4	7.5
80°-90°	111.5	3.2
90°-100°	49.1	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°	845.9	24.5
0°-40°	1386.2	40.2
0°-60°	2468.9	71.6
0°-90°	3249.7	94.2
90°-120°	130.1	3.8
90°-150°	191.1	5.5
90°-180°	199.0	5.8
0°-180°	3449.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1085	1085	1085	1085	1085	
5°	1090	1087	1075	1084	1080	103
15°	1046	1046	1041	1052	1050	295
25°	962	966	968	980	978	443
35°	843	853	864	877	880	527
45°	699	716	734	748	753	540
55°	539	561	584	603	607	482
65°	371	392	419	438	445	365
75°	195	219	250	272	282	207
85°	48	73	105	128	136	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	45	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°	1085.3	1085.3	1085.3	1085.3	1085.3
2.5°	1093.3	1089.6	1077.4	1085.9	1081.7
5°	1089.6	1086.6	1075.0	1084.1	1080.4
7.5°	1082.9	1080.4	1070.1	1079.8	1076.2
10°	1073.7	1071.9	1062.7	1072.5	1070.1
12.5°	1062.1	1061.5	1052.4	1063.3	1061.5
15°	1046.2	1046.2	1040.7	1051.7	1049.9
17.5°	1029.1	1029.8	1025.5	1037.1	1035.9
20°	1008.4	1011.4	1008.4	1020.6	1019.4
22.5°	985.8	990.1	988.8	1001.0	1001.7
25°	962.0	966.2	967.5	980.3	978.5
27.5°	935.7	942.4	944.9	956.5	955.9
30°	905.2	914.3	919.8	929.6	932.6
32.5°	874.0	885.0	891.7	905.2	908.8
35°	842.9	852.6	863.6	877.1	880.1
37.5°	808.7	819.7	834.3	847.1	850.8
40°	774.5	786.7	800.7	814.8	820.3
42.5°	739.0	751.9	767.1	783.6	789.1
45°	698.7	715.8	734.1	748.2	753.1
47.5°	660.2	679.2	698.7	714.0	719.5
50°	621.2	641.3	662.1	676.1	684.7
52.5°	580.2	602.2	623.0	640.7	646.2
55°	538.7	560.7	583.9	602.8	607.1
57.5°	498.4	519.8	543.0	560.7	569.2
60°	454.4	477.6	502.7	520.4	529.5
62.5°	411.7	434.3	461.1	480.1	487.4
65°	370.7	391.5	419.0	438.5	445.3
67.5°	325.5	349.4	375.6	398.2	406.8
70°	281.0	303.6	333.5	354.9	363.4
72.5°	239.4	261.4	291.3	312.7	320.7
75°	195.4	218.7	250.4	271.8	282.2
77.5°	153.3	179.0	209.5	232.7	244.3
80°	114.2	136.8	169.8	195.4	205.8
82.5°	77.6	102.0	136.2	160.0	171.6
85°	47.6	73.3	105.1	127.7	135.6
87.5°	22.6	47.0	76.3	98.3	108.1
90°	3.1	26.3	53.7	75.1	83.1
92.5°	0.6	22.6	49.5	69.6	77.0
95°	0.6	22.6	48.9	68.4	75.7
97.5°	0.6	22.0	48.3	67.8	74.5
100°	0.6	21.4	47.6	66.6	73.9
102.5°	0.6	21.4	46.4	65.4	72.1
105°	0.6	20.8	45.8	64.1	70.8
107.5°	0.6	20.2	44.6	62.9	69.6
110°	0.6	18.9	44.0	61.1	67.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.6	18.3	42.8	59.9	66.0
115°	0.6	17.7	41.5	58.0	64.1
117.5°	0.6	17.1	39.7	56.2	62.3
120°	1.2	17.1	38.5	54.4	59.9
122.5°	1.2	16.5	36.6	51.9	57.4
125°	1.2	15.9	34.8	50.1	55.6
127.5°	1.2	15.3	33.0	47.6	52.5
130°	1.2	14.0	31.8	45.2	50.1
132.5°	1.2	13.4	29.9	42.1	47.0
135°	1.2	12.2	28.1	39.7	44.6
137.5°	1.2	11.6	26.3	37.3	41.5
140°	1.2	11.0	23.8	34.8	39.1
142.5°	1.2	9.8	22.0	32.4	36.0
145°	1.2	9.2	19.5	29.9	33.0
147.5°	1.2	7.9	17.7	27.5	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	20.2
160°	1.8	4.9	9.8	14.0	17.1
162.5°	1.8	4.3	7.9	11.6	15.3
165°	1.8	4.3	6.7	9.2	12.8
167.5°	1.8	3.7	5.5	7.3	10.4
170°	1.8	3.1	4.9	5.5	7.9
172.5°	1.8	2.4	3.7	3.7	4.3
175°	1.8	2.4	3.1	3.1	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)