

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: P566458

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

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566458  
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: 4SNX-45SL-SLW-UNV-L930-CD  
Description: 4FT 4500 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND SLW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

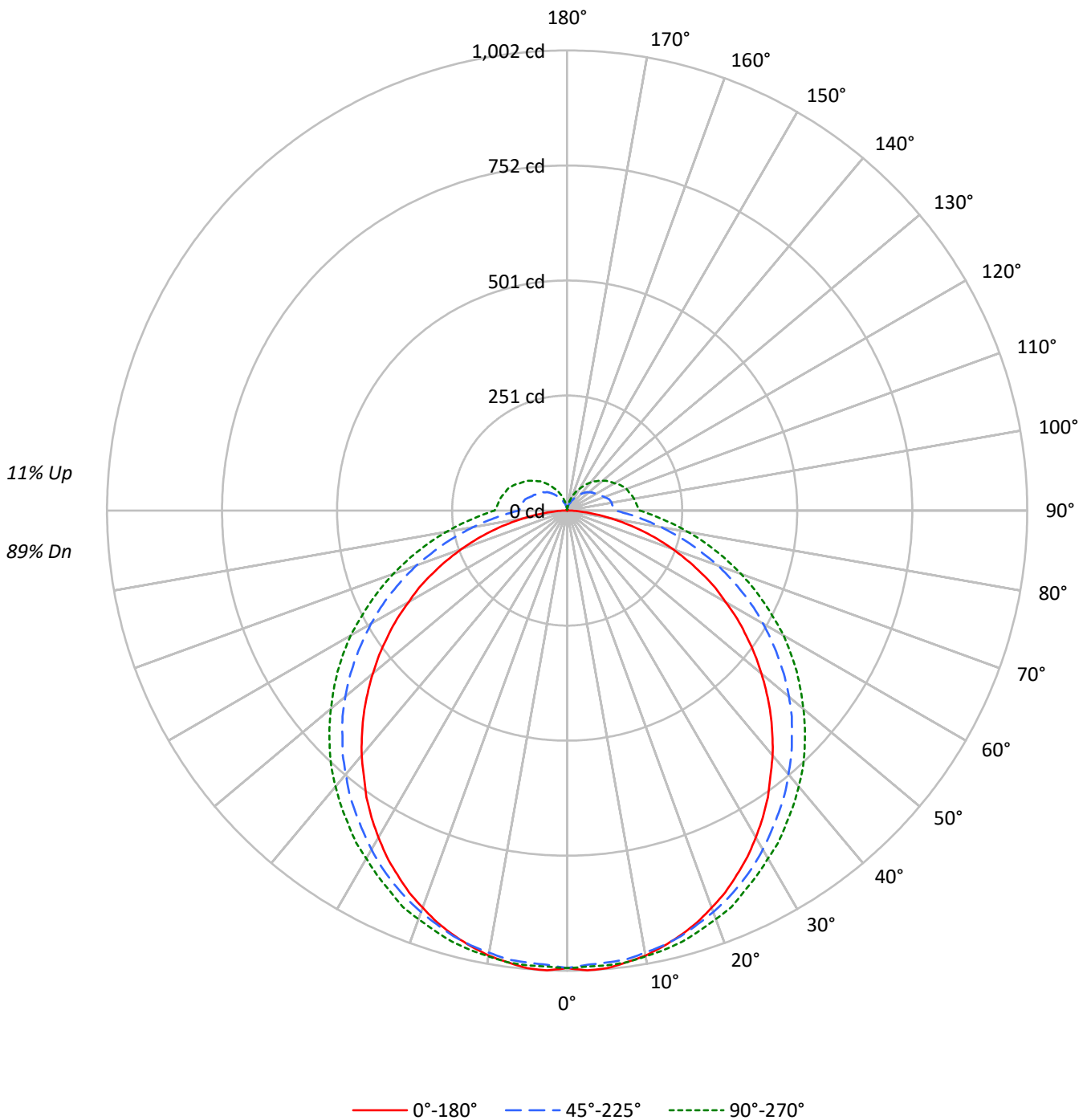
Lumens per Lamp: N/A  
Luminaire Lumens: 3546.0 lumens  
Efficiency: N/A  
Efficacy: 119.0 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')  
CIE Type: Semi-Direct

Input Watts (W): 29.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	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°	10722	10722	10722
5°	10788	10446	10437
10°	10714	10235	10179
15°	10607	10018	9941
20°	10460	9770	9676
25°	10291	9526	9399
30°	10090	9260	9125
35°	9868	8983	8868
40°	9615	8710	8621
45°	9342	8432	8355
50°	9029	8139	8058
55°	8685	7786	7765
60°	8279	7410	7438
65°	7862	6986	7028
70°	7277	6519	6625
75°	6500	5927	6180
80°	5241	5324	5741
85°	3694	4807	5291



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	94.6	2.7
10°-20°	271.9	7.7
20°-30°	413.5	11.7
30°-40°	501.9	14.2
40°-50°	530.4	15.0
50°-60°	496.3	14.0
60°-70°	407.2	11.5
70°-80°	280.1	7.9
80°-90°	153.4	4.3
90°-100°	98.8	2.8
100°-110°	88.6	2.5
110°-120°	73.4	2.1
120°-130°	56.5	1.6
130°-140°	39.7	1.1
140°-150°	23.9	0.7
150°-160°	11.5	0.3
160°-170°	3.8	0.1
170°-180°	0.5	0.0
0°-30°	780.0	22.0
0°-40°	1282.0	36.2
0°-60°	2308.7	65.1
0°-90°	3149.4	88.8
90°-120°	260.8	7.4
90°-150°	380.9	10.7
90°-180°	397.0	11.2
0°-180°	3546.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	996	996	996	996	996	
5°	1000	998	988	996	994	95
15°	957	961	959	971	971	270
25°	875	885	895	914	914	403
35°	762	780	803	826	832	476
45°	626	655	692	723	731	483
55°	476	516	563	598	610	426
65°	322	366	421	460	472	319
75°	168	214	275	318	333	177
85°	37	88	150	191	205	43
90°	0	49	105	144	158	3
95°	0	47	101	138	152	0
105°	0	39	94	129	142	1
115°	2	35	80	115	129	2
125°	2	29	68	99	111	2
135°	2	23	56	80	90	2
145°	2	16	39	62	68	1
155°	2	10	25	39	45	1
165°	2	6	12	18	23	1
175°	2	2	4	4	2	0
180°	2	2	2	2	2	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	996.1	996.1	996.1	996.1	996.1
2.5°	1002.2	1000.2	989.9	998.1	994.0
5°	1000.2	998.1	987.9	996.1	994.0
7.5°	992.0	992.0	985.8	994.0	992.0
10°	983.8	983.8	977.6	987.9	985.8
12.5°	971.4	973.5	969.4	981.7	979.6
15°	957.1	961.2	959.1	971.4	971.4
17.5°	940.6	944.7	944.7	959.1	959.1
20°	920.1	926.3	930.4	946.8	946.8
22.5°	899.6	907.8	913.9	928.3	934.5
25°	874.9	885.2	895.4	913.9	913.9
27.5°	850.3	862.6	874.9	893.4	895.4
30°	821.5	835.9	852.3	870.8	874.9
32.5°	792.8	811.2	827.7	850.3	856.4
35°	761.9	780.4	803.0	825.6	831.8
37.5°	727.0	749.6	778.4	803.0	809.2
40°	696.2	720.9	749.6	778.4	784.5
42.5°	661.3	688.0	722.9	749.6	759.9
45°	626.4	655.2	692.1	722.9	731.1
47.5°	589.4	622.3	663.4	692.1	702.4
50°	552.5	587.4	630.5	663.4	671.6
52.5°	515.5	552.5	597.6	630.5	640.8
55°	476.5	515.5	562.7	597.6	610.0
57.5°	439.5	478.5	527.8	564.8	577.1
60°	398.4	443.6	492.9	529.9	544.2
62.5°	363.5	404.6	458.0	495.0	507.3
65°	322.4	365.6	421.0	460.0	472.4
67.5°	283.4	328.6	384.1	425.1	437.5
70°	244.4	289.6	349.1	388.2	402.5
72.5°	205.4	252.6	310.1	353.2	367.6
75°	168.4	213.6	275.2	318.3	332.7
77.5°	129.4	178.7	240.3	283.4	299.9
80°	94.5	145.8	207.4	250.6	267.0
82.5°	63.7	115.0	176.6	219.8	236.2
85°	37.0	88.3	149.9	191.0	205.4
87.5°	18.5	67.8	125.3	166.4	180.7
90°	0.0	49.3	104.7	143.8	158.1
92.5°	0.0	47.2	102.7	139.7	154.0
95°	0.0	47.2	100.6	137.6	152.0
97.5°	0.0	45.2	98.6	137.6	149.9
100°	0.0	43.1	98.6	135.5	147.9
102.5°	0.0	41.1	96.5	133.5	145.8
105°	0.0	39.0	94.5	129.4	141.7
107.5°	2.1	39.0	90.4	127.3	139.7
110°	2.1	37.0	86.3	125.3	137.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	2.1	34.9	82.2	121.2	133.5
115°	2.1	34.9	80.1	115.0	129.4
117.5°	2.1	32.9	76.0	110.9	125.3
120°	2.1	32.9	73.9	106.8	119.1
122.5°	2.1	30.8	69.8	102.7	115.0
125°	2.1	28.8	67.8	98.6	110.9
127.5°	2.1	26.7	65.7	94.5	106.8
130°	2.1	24.6	61.6	90.4	100.6
132.5°	2.1	24.6	59.6	84.2	96.5
135°	2.1	22.6	55.5	80.1	90.4
137.5°	2.1	20.5	51.3	76.0	86.3
140°	2.1	18.5	47.2	71.9	80.1
142.5°	2.1	18.5	43.1	65.7	73.9
145°	2.1	16.4	39.0	61.6	67.8
147.5°	2.1	14.4	34.9	55.5	61.6
150°	2.1	14.4	30.8	49.3	55.5
152.5°	2.1	12.3	26.7	45.2	51.3
155°	2.1	10.3	24.6	39.0	45.2
157.5°	2.1	10.3	20.5	32.9	39.0
160°	2.1	8.2	18.5	26.7	32.9
162.5°	2.1	8.2	16.4	22.6	28.8
165°	2.1	6.2	12.3	18.5	22.6
167.5°	2.1	6.2	10.3	14.4	18.5
170°	2.1	4.1	8.2	10.3	14.4
172.5°	2.1	4.1	6.2	6.2	6.2
175°	2.1	2.1	4.1	4.1	2.1
177.5°	2.1	2.1	2.1	2.1	2.1
180°	2.1	2.1	2.1	2.1	2.1

(END OF REPORT)