

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: P290349

Luminaire Tested: **4SSRK-SLN-20-L935-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P290349  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-15)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SSRK-SLN-20-L935-CD1-U  
Description: 2000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH SQUARE NARROW LENS AND 90 CRI 3500K CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1756.5 lumens  
Efficiency: N/A  
Efficacy: 128.2 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 0.98 / 1.11  
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 4' x H: 0.17')  
CIE Type: Direct

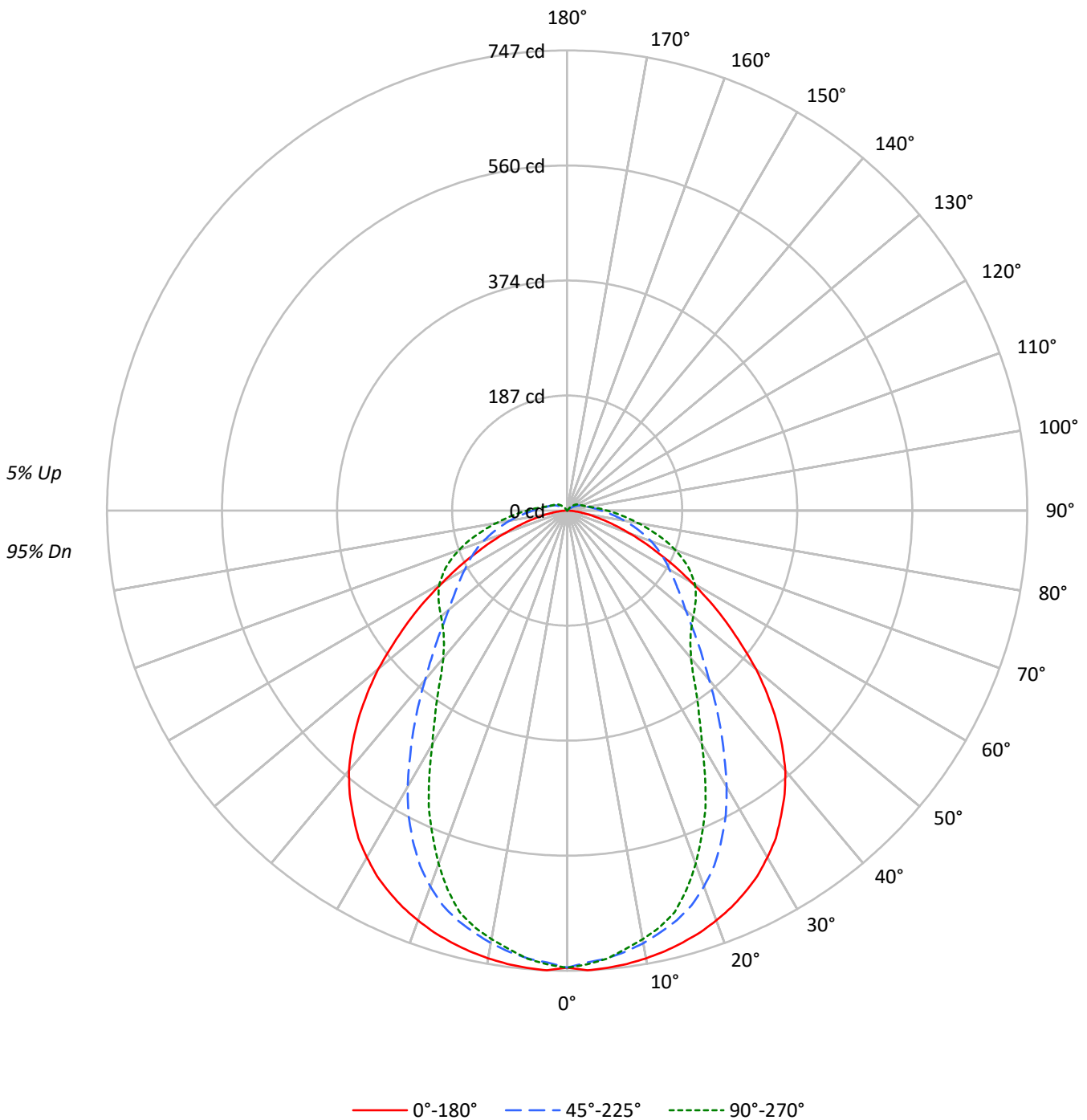
Input Watts (W): 13.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	50	30	10	50	30	10	50	30	10	0																			
RCR																																														
0	118	118	118	118	115	115	115	115	108	108	108	103	103	103	98	98	98	95																												
1	107	102	98	94	104	100	96	92	94	91	88	90	87	85	85	83	81	79																												
2	98	90	83	77	95	87	81	76	83	78	73	79	75	71	75	72	69	66																												
3	90	79	71	65	87	77	70	64	74	67	62	70	65	60	67	63	59	56																												
4	82	71	62	56	80	69	61	55	66	59	54	63	57	52	60	55	51	49																												
5	76	64	55	48	74	62	54	48	60	52	47	57	51	46	55	49	45	43																												
6	71	58	49	43	68	56	48	42	54	47	42	52	46	41	50	45	40	38																												
7	66	53	44	38	64	52	44	38	50	42	37	48	41	37	46	40	36	34																												
8	61	48	40	34	60	47	40	34	46	39	34	44	38	33	43	37	33	31																												
9	57	44	37	31	56	44	36	31	42	35	31	41	35	30	40	34	30	28																												
10	54	41	34	28	53	41	33	28	39	33	28	38	32	28	37	31	27	26																												

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	47914	47914	47914
5°	48136	37854	35081
10°	48051	31095	27165
15°	47985	26063	21774
20°	47932	21876	17076
25°	47778	18088	13219
30°	47334	14574	9863
35°	46370	11430	7607
40°	44884	8887	6052
45°	42078	7057	5179
50°	38307	5719	4657
55°	33444	4839	4276
60°	28118	4168	3905
65°	22922	3619	3461
70°	18146	3082	2937
75°	13713	2543	2372
80°	9597	2040	1833
85°	5622	1594	1394



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	69.7	4.0
10°-20°	195.3	11.1
20°-30°	274.6	15.6
30°-40°	287.6	16.4
40°-50°	260.4	14.8
50°-60°	221.6	12.6
60°-70°	175.2	10.0
70°-80°	119.3	6.8
80°-90°	68.1	3.9
90°-100°	37.8	2.1
100°-110°	23.1	1.3
110°-120°	14.0	0.8
120°-130°	7.6	0.4
130°-140°	2.3	0.1
140°-150°	0.1	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	539.6	30.7
0°-40°	827.2	47.1
0°-60°	1309.1	74.5
0°-90°	1671.7	95.2
90°-120°	74.8	4.3
90°-150°	84.8	4.8
90°-180°	85.0	4.8
0°-180°	1756.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	742	742	742	742	742	
5°	745	740	730	733	730	71
15°	726	712	688	681	675	205
25°	684	650	592	546	532	315
35°	605	537	435	381	367	378
45°	480	381	298	282	284	369
55°	315	240	218	244	255	281
65°	163	142	169	206	217	165
75°	64	77	119	146	151	69
85°	11	37	72	87	88	13
90°	0	26	55	64	64	1
95°	0	20	44	48	48	0
105°	0	12	29	30	29	0
115°	0	2	20	23	22	0
125°	0	0	9	16	17	0
135°	0	0	0	6	8	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	741.9	741.9	741.9	741.9	741.9
2.5°	747.0	742.9	734.4	739.9	737.4
5°	745.2	740.5	729.9	733.2	730.5
7.5°	742.3	736.0	722.4	723.4	718.4
10°	738.1	729.9	713.1	711.3	706.4
12.5°	732.6	721.4	701.1	698.7	693.0
15°	725.7	711.9	688.3	681.2	674.7
17.5°	718.0	700.5	671.9	656.1	644.9
20°	708.0	685.9	649.4	626.4	610.2
22.5°	696.9	670.1	624.0	589.5	571.0
25°	683.5	649.6	592.1	546.3	531.5
27.5°	668.7	628.3	557.4	503.9	484.2
30°	650.0	601.3	517.9	460.4	437.7
32.5°	630.5	572.3	474.9	417.0	399.4
35°	605.3	537.2	435.1	380.7	366.7
37.5°	580.0	499.6	395.5	348.2	335.8
40°	551.0	461.7	358.2	321.4	312.7
42.5°	516.5	423.1	326.5	298.9	295.9
45°	479.9	381.1	298.1	282.5	283.5
47.5°	440.2	343.0	272.3	269.3	274.4
50°	400.2	307.4	250.8	259.3	267.3
52.5°	355.7	273.1	233.8	251.2	260.8
55°	314.7	240.3	218.4	243.5	254.9
57.5°	274.0	212.3	205.0	235.6	247.6
60°	233.4	186.7	192.0	227.1	239.7
62.5°	198.1	162.3	180.6	217.5	228.5
65°	163.4	141.8	168.8	206.2	216.9
67.5°	134.5	123.6	157.1	192.6	202.3
70°	107.1	106.3	144.5	177.6	186.5
72.5°	83.6	90.7	131.3	161.9	170.5
75°	63.5	77.3	118.9	146.1	151.4
77.5°	46.5	64.7	106.3	130.1	133.7
80°	31.9	53.8	94.4	114.0	116.7
82.5°	20.1	44.4	82.8	99.6	101.5
85°	11.2	36.7	72.4	86.7	87.9
87.5°	4.3	30.2	63.1	75.3	76.3
90°	0.2	25.6	55.4	64.5	64.5
92.5°	0.2	22.3	49.1	56.0	56.4
95°	0.4	19.7	43.6	48.3	47.9
97.5°	0.4	17.9	38.6	42.4	41.2
100°	0.4	16.2	34.7	37.3	36.1
102.5°	0.4	14.4	31.7	33.3	31.9
105°	0.4	12.0	29.2	30.4	29.2
107.5°	0.4	9.5	26.6	28.2	27.0
110°	0.4	7.1	24.1	26.2	25.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.2	4.5	21.9	24.4	23.7
115°	0.4	1.6	19.7	22.9	22.3
117.5°	0.2	0.8	16.8	21.3	21.1
120°	0.2	0.6	14.2	19.9	19.9
122.5°	0.2	0.6	11.8	17.9	18.7
125°	0.2	0.4	8.9	15.8	16.8
127.5°	0.2	0.4	6.3	13.8	15.0
130°	0.2	0.4	3.2	11.4	13.0
132.5°	0.2	0.4	0.4	8.9	10.8
135°	0.4	0.4	0.4	6.5	8.5
137.5°	0.4	0.4	0.4	3.4	6.1
140°	0.4	0.4	0.2	0.2	2.8
142.5°	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)