

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: P290293

Luminaire Tested: **4SSRK-SLC-80-L935-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P290293  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-16)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SSRK-SLC-80-L935-CD1-U  
Description: 8000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH SQUARE CLEAR LENS AND 90 CRI 3500K CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7395.5 lumens  
Efficiency: N/A  
Efficacy: 117.6 lumens/watt  
Spacing Criteria (0/90/45): 1.44 / 0.89 / 0.98  
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 4' x H: 0.17')  
CIE Type: Direct

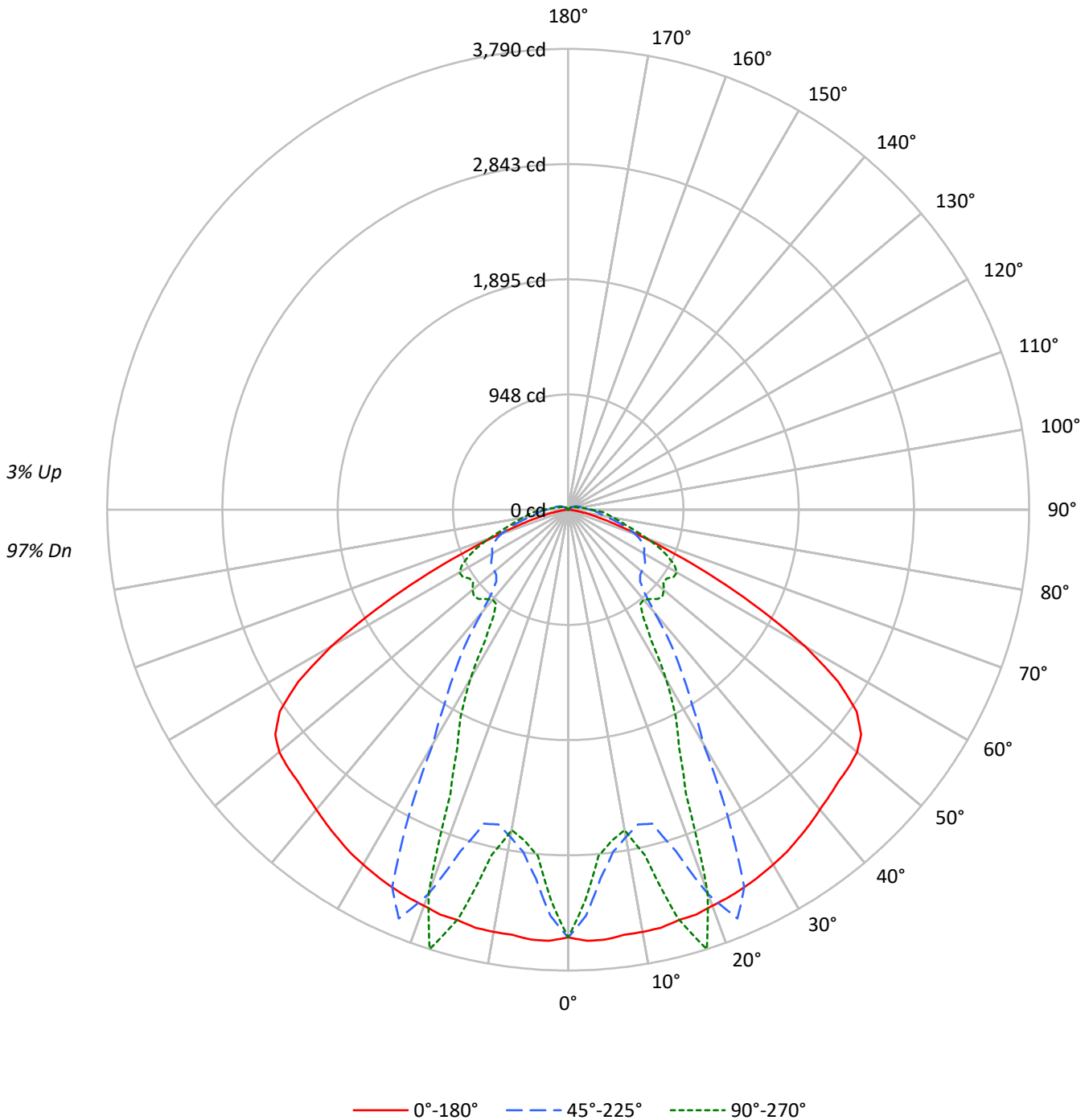
Input Watts (W): 62.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	0	
RCR																						
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	99	97	
1	108	103	99	95	105	101	97	93	96	93	90	91	89	87	87	85	83	87	85	83	81	
2	99	91	84	79	96	89	83	78	85	80	75	81	77	73	77	74	71	77	74	71	69	
3	91	81	73	67	88	79	72	66	75	69	64	72	67	63	69	65	61	69	65	61	59	
4	84	72	64	57	81	71	63	57	68	61	56	65	59	54	62	57	53	62	57	53	51	
5	77	65	56	50	75	64	56	50	61	54	49	59	53	48	57	51	47	57	51	47	45	
6	72	59	50	44	70	58	50	44	56	49	43	54	47	43	52	46	42	52	46	42	40	
7	67	54	45	40	65	53	45	39	51	44	39	49	43	38	48	42	38	48	42	38	36	
8	62	49	41	36	61	49	41	35	47	40	35	46	39	35	44	38	34	44	38	34	32	
9	58	46	38	32	57	45	37	32	44	37	32	42	36	32	41	35	31	41	35	31	29	
10	55	42	35	30	54	42	34	30	40	34	29	39	33	29	38	33	29	38	33	29	27	

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

	0°	45°	90°
0°	227145	227145	227145
5°	229213	157817	137290
10°	229500	119148	102885
15°	231139	101240	112172
20°	234645	113414	93756
25°	239496	104590	53556
30°	245418	62620	36278
35°	252785	42640	22206
40°	262274	27421	18671
45°	276221	19830	18981
50°	296732	17970	17901
55°	307501	17113	16558
60°	270868	15617	16822
65°	188174	14697	14391
70°	108182	12492	10823
75°	60466	9435	7700
80°	33302	6659	5953
85°	14908	5344	4874



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	292.2	4.0
10°-20°	877.5	11.9
20°-30°	1291.7	17.5
30°-40°	1261.8	17.1
40°-50°	1046.1	14.1
50°-60°	960.4	13.0
60°-70°	761.0	10.3
70°-80°	422.5	5.7
80°-90°	223.8	3.0
90°-100°	117.7	1.6
100°-110°	70.8	1.0
110°-120°	40.5	0.5
120°-130°	22.4	0.3
130°-140°	7.1	0.1
140°-150°	0.2	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2461.4	33.3
0°-40°	3723.2	50.3
0°-60°	5729.6	77.5
0°-90°	7136.9	96.5
90°-120°	229.0	3.1
90°-150°	258.6	3.5
90°-180°	259.0	3.5
0°-180°	7395.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3517	3517	3517	3517	3517	
5°	3548	3349	3043	2913	2859	337
15°	3496	2792	2674	3274	3476	992
25°	3426	2666	3424	2334	2153	1583
35°	3300	3182	1623	1160	1070	2071
45°	3150	1439	838	956	1039	2443
55°	2894	641	772	925	987	2513
65°	1341	416	686	870	902	1358
75°	280	254	441	471	492	332
85°	30	125	243	295	307	41
90°	1	91	178	194	192	1
95°	2	72	138	144	137	1
105°	2	48	97	83	75	2
115°	2	6	63	60	55	2
125°	2	2	29	46	45	2
135°	2	2	2	20	25	1
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°	3517.1	3517.1	3517.1	3517.1	3517.1
2.5°	3548.5	3484.9	3343.6	3247.8	3215.6
5°	3548.5	3349.4	3043.0	2913.3	2858.8
7.5°	3527.0	3177.6	2837.3	2781.1	2745.6
10°	3525.3	2994.2	2732.4	2685.3	2675.4
12.5°	3521.2	2892.6	2651.4	2818.3	2908.3
15°	3495.6	2791.9	2673.7	3274.2	3475.8
17.5°	3491.5	2716.7	2944.7	3704.6	3789.7
20°	3465.9	2657.2	3366.7	3650.1	3350.2
22.5°	3449.3	2615.9	3638.5	2936.4	2528.4
25°	3426.2	2665.5	3423.7	2334.3	2153.4
27.5°	3399.8	2824.9	2838.1	2031.9	1912.2
30°	3370.1	3074.3	2225.2	1775.9	1609.9
32.5°	3340.3	3256.9	1894.0	1457.9	1262.9
35°	3299.8	3181.7	1623.1	1159.7	1070.5
37.5°	3261.8	2834.8	1376.1	1001.1	975.5
40°	3219.7	2283.9	1105.2	938.3	964.8
42.5°	3184.2	1810.6	928.4	931.7	997.0
45°	3150.3	1438.9	837.6	955.7	1039.1
47.5°	3130.5	1144.0	801.2	984.6	1051.5
50°	3100.0	916.9	788.0	990.4	1027.5
52.5°	3035.5	755.8	783.9	959.8	985.4
55°	2893.5	641.0	772.3	925.1	987.1
57.5°	2631.6	569.9	745.9	932.5	1027.5
60°	2248.4	514.6	719.4	956.5	1032.5
62.5°	1789.1	464.2	705.4	936.7	983.8
65°	1341.4	416.3	685.6	869.8	902.0
67.5°	939.2	375.0	641.0	786.3	803.7
70°	638.5	335.4	585.6	679.8	687.2
72.5°	429.5	295.7	517.1	569.9	581.5
75°	280.0	253.6	441.1	470.8	491.5
77.5°	178.4	215.6	365.9	403.9	430.3
80°	110.7	178.4	308.1	362.6	379.1
82.5°	61.9	148.7	266.8	323.8	332.9
85°	29.7	124.7	242.8	294.9	307.3
87.5°	7.4	105.7	213.9	244.5	244.5
90°	0.8	90.9	177.6	194.1	192.5
92.5°	0.8	80.1	154.5	165.2	161.9
95°	1.7	71.9	137.9	143.7	137.1
97.5°	1.7	67.7	127.2	123.1	113.2
100°	1.7	62.8	115.6	104.9	94.2
102.5°	1.7	56.2	105.7	92.5	83.4
105°	1.7	47.9	96.6	83.4	75.2
107.5°	1.7	38.0	86.7	76.0	69.4
110°	1.7	27.3	77.6	70.2	65.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.7	16.5	70.2	65.3	61.1
115°	1.7	5.8	62.8	59.5	55.3
117.5°	1.7	2.5	55.3	57.0	52.0
120°	1.7	2.5	46.3	53.7	49.6
122.5°	1.7	2.5	38.0	50.4	47.9
125°	1.7	1.7	28.9	46.3	45.4
127.5°	1.7	1.7	19.8	40.5	42.1
130°	1.7	1.7	9.9	33.0	37.2
132.5°	1.7	1.7	1.7	27.3	30.6
135°	1.7	1.7	1.7	19.8	24.8
137.5°	1.7	1.7	1.7	9.9	18.2
140°	1.7	1.7	1.7	1.7	7.4
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)