

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: P290020

Luminaire Tested: **4SSRK-RB-60-L930-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P290020  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-8)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SSRK-RB-60-L930-CD1-U  
Description: 6000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH ROUND BATWING LENS AND 90 CRI 3000K CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4806.5 lumens  
Efficiency: N/A  
Efficacy: 107.3 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.65 / 1.6  
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 4' x H: 0.17')  
CIE Type: Direct

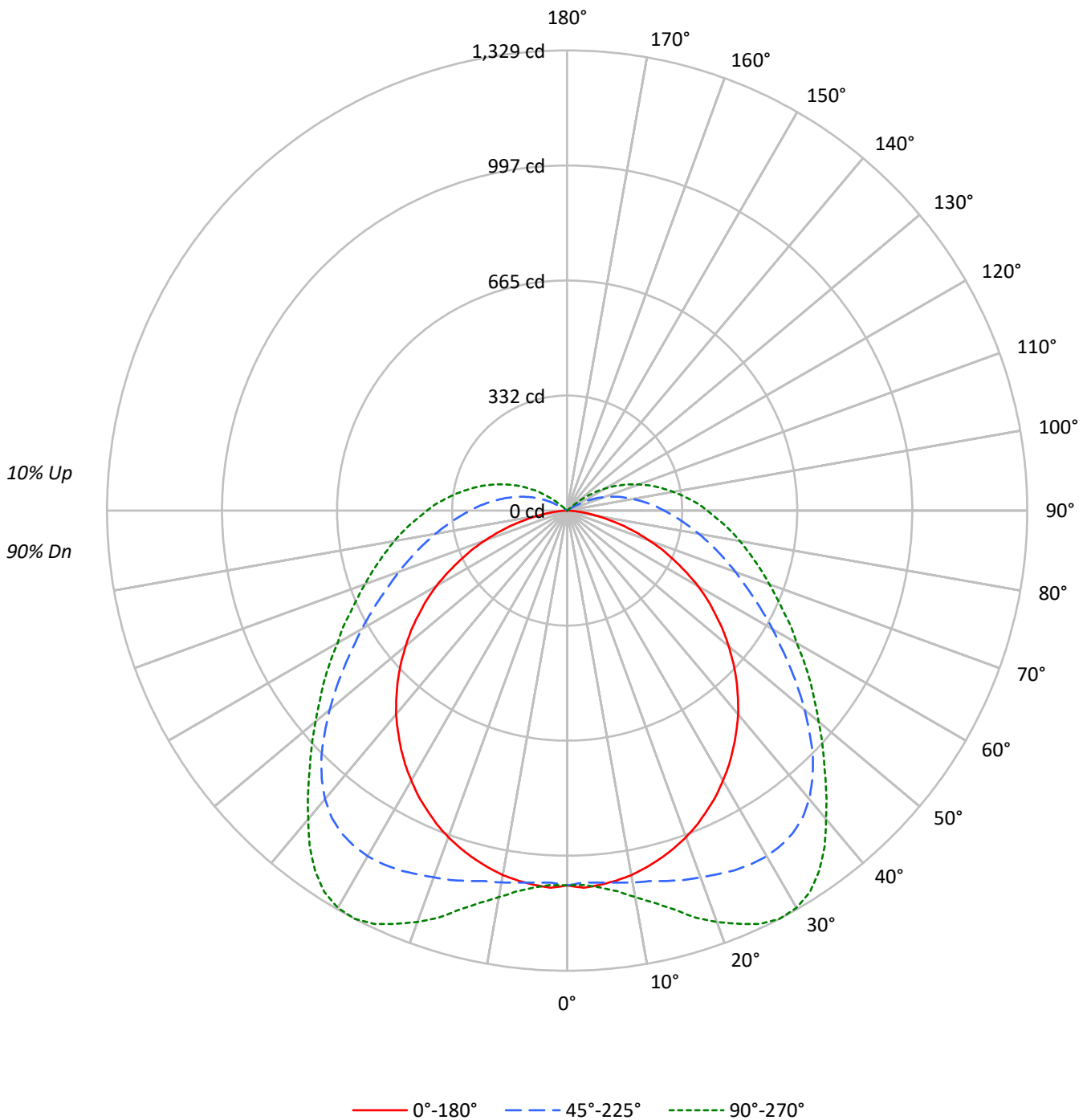
Input Watts (W): 44.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P290020

CATALOG NUMBER: 4SSRK-RB-60-L930-CD1-U

### Luminous Intensity Polar Plot





TEST NUMBER: P290020

CATALOG NUMBER: 4SSRK-RB-60-L930-CD1-U

**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	117	117	117	117	113	113	113	113	106	106	106		99	99	99		93	93	93	90
1	104	98	93	88	100	95	90	86	89	85	81		83	80	77		78	75	73	70
2	94	84	77	70	90	82	74	68	76	70	65		71	67	62		67	63	59	57
3	85	73	64	57	81	71	63	56	66	60	54		62	56	52		58	54	49	47
4	77	64	55	48	74	62	54	47	59	51	45		55	49	44		52	46	42	39
5	71	57	48	41	68	56	47	40	52	45	39		49	43	37		46	41	36	34
6	65	51	42	35	63	50	41	35	47	39	34		44	38	32		42	36	31	29
7	60	46	37	31	58	45	36	30	43	35	29		40	34	29		38	32	28	25
8	56	42	33	27	54	41	33	27	39	31	26		37	30	25		35	29	25	22
9	52	38	30	24	50	37	29	24	36	28	23		34	27	23		32	26	22	20
10	49	35	27	22	47	34	27	22	33	26	21		31	25	20		30	24	20	18

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

	0°	45°	90°
0°	69898	69898	69898
5°	70098	55949	52480
10°	69586	47552	43594
15°	68794	41932	38465
20°	67945	37972	35379
25°	66819	35006	32759
30°	65533	32441	29853
35°	64119	29857	26331
40°	62626	26984	22513
45°	60605	23760	19197
50°	58246	20414	16521
55°	55623	17397	14362
60°	52586	14879	12468
65°	47906	12744	10991
70°	42866	11029	9785
75°	35610	9587	8793
80°	25962	8351	7963
85°	13151	7261	7201



TEST NUMBER: P290020

CATALOG NUMBER: 4SSRK-RB-60-L930-CD1-U

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	104.1	2.2
10°-20°	316.6	6.6
20°-30°	527.1	11.0
30°-40°	681.7	14.2
40°-50°	720.0	15.0
50°-60°	663.8	13.8
60°-70°	557.9	11.6
70°-80°	437.1	9.1
80°-90°	321.6	6.7
90°-100°	229.1	4.8
100°-110°	147.2	3.1
110°-120°	77.2	1.6
120°-130°	22.5	0.5
130°-140°	0.5	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	947.8	19.7
0°-40°	1629.5	33.9
0°-60°	3013.4	62.7
0°-90°	4329.9	90.1
90°-120°	453.6	9.4
90°-150°	476.6	9.9
90°-180°	477.0	9.9
0°-180°	4806.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1082	1082	1082	1082	1082	
5°	1085	1085	1079	1093	1093	103
15°	1040	1061	1107	1173	1192	294
25°	956	1010	1146	1277	1317	441
35°	837	930	1136	1252	1269	524
45°	691	814	1004	1047	1051	533
55°	523	650	785	839	856	468
65°	342	467	594	667	689	340
75°	165	304	448	533	561	175
85°	26	178	330	424	454	34
90°	1	131	280	375	404	1
95°	2	94	236	329	358	1
105°	2	31	153	238	266	2
115°	1	2	73	148	174	1
125°	1	1	0	53	79	1
135°	0	0	0	0	0	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



TEST NUMBER: P290020

CATALOG NUMBER: 4SSRK-RB-60-L930-CD1-U

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1082.3	1082.3	1082.3	1082.3	1082.3
2.5°	1090.5	1085.8	1075.3	1084.7	1082.3
5°	1085.2	1084.7	1078.8	1092.8	1092.8
7.5°	1078.2	1080.6	1083.5	1106.8	1108.6
10°	1068.9	1075.9	1090.5	1126.0	1133.6
12.5°	1055.5	1068.3	1096.3	1147.6	1159.8
15°	1040.4	1060.8	1107.4	1173.2	1191.9
17.5°	1022.9	1049.7	1118.5	1204.7	1232.7
20°	1003.6	1038.6	1127.2	1233.3	1264.2
22.5°	981.5	1025.2	1136.5	1256.6	1291.6
25°	955.9	1009.5	1145.9	1277.0	1317.2
27.5°	930.2	993.2	1151.1	1289.8	1328.9
30°	899.9	975.1	1152.8	1291.6	1324.8
32.5°	870.2	955.3	1147.6	1279.3	1305.6
35°	837.0	930.2	1136.5	1252.5	1269.4
37.5°	802.6	903.4	1117.3	1211.1	1221.6
40°	768.8	878.3	1087.6	1158.7	1163.3
42.5°	729.7	846.3	1049.1	1103.3	1108.0
45°	691.2	814.2	1003.6	1046.8	1050.9
47.5°	650.4	777.5	950.0	990.2	1000.1
50°	608.5	737.3	895.2	937.8	948.3
52.5°	567.7	695.9	839.9	888.2	900.5
55°	523.4	650.4	785.1	838.7	856.2
57.5°	480.8	605.6	732.0	791.5	810.7
60°	436.5	559.5	685.4	747.8	765.3
62.5°	389.9	512.9	637.6	707.6	729.7
65°	341.5	467.4	594.5	667.3	688.9
67.5°	299.0	423.7	553.1	630.0	654.5
70°	253.0	381.8	517.0	596.8	621.3
72.5°	208.1	342.7	480.8	564.8	591.0
75°	164.9	304.2	448.2	533.3	561.3
77.5°	123.0	268.7	416.1	504.7	532.7
80°	86.3	236.0	386.4	477.3	507.1
82.5°	53.6	206.9	357.3	450.5	480.8
85°	26.2	177.8	329.9	423.7	454.0
87.5°	7.6	152.1	304.2	398.1	427.8
90°	0.6	130.6	279.8	374.8	404.5
92.5°	1.2	111.3	258.8	351.4	382.9
95°	1.7	94.4	235.5	328.7	357.9
97.5°	1.7	78.1	213.9	306.0	334.5
100°	1.7	62.4	192.9	282.1	311.2
102.5°	1.7	47.2	172.5	259.9	287.9
105°	1.7	30.9	153.3	238.4	266.4
107.5°	1.7	13.4	132.9	215.1	243.0
110°	1.7	2.9	113.1	193.5	220.9



TEST NUMBER: P290020

CATALOG NUMBER: 4SSRK-RB-60-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.7	1.7	94.4	170.8	198.2
115°	1.2	1.7	73.4	148.0	173.7
117.5°	1.2	1.2	50.1	125.9	152.1
120°	1.2	1.2	26.2	103.7	127.6
122.5°	1.2	0.6	5.2	79.3	105.5
125°	1.2	0.6	0.0	53.0	78.7
127.5°	1.2	0.6	0.0	27.4	53.6
130°	0.6	0.6	0.0	4.1	25.6
132.5°	0.6	0.6	0.0	0.0	1.2
135°	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
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)