

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: P290022

Luminaire Tested: **4SSRK-RB-60-L940-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P290022  
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-L940-CD1-U  
Description: 6000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH ROUND BATWING LENS AND 90 CRI 4000K CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5225.6 lumens  
Efficiency: N/A  
Efficacy: 116.6 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

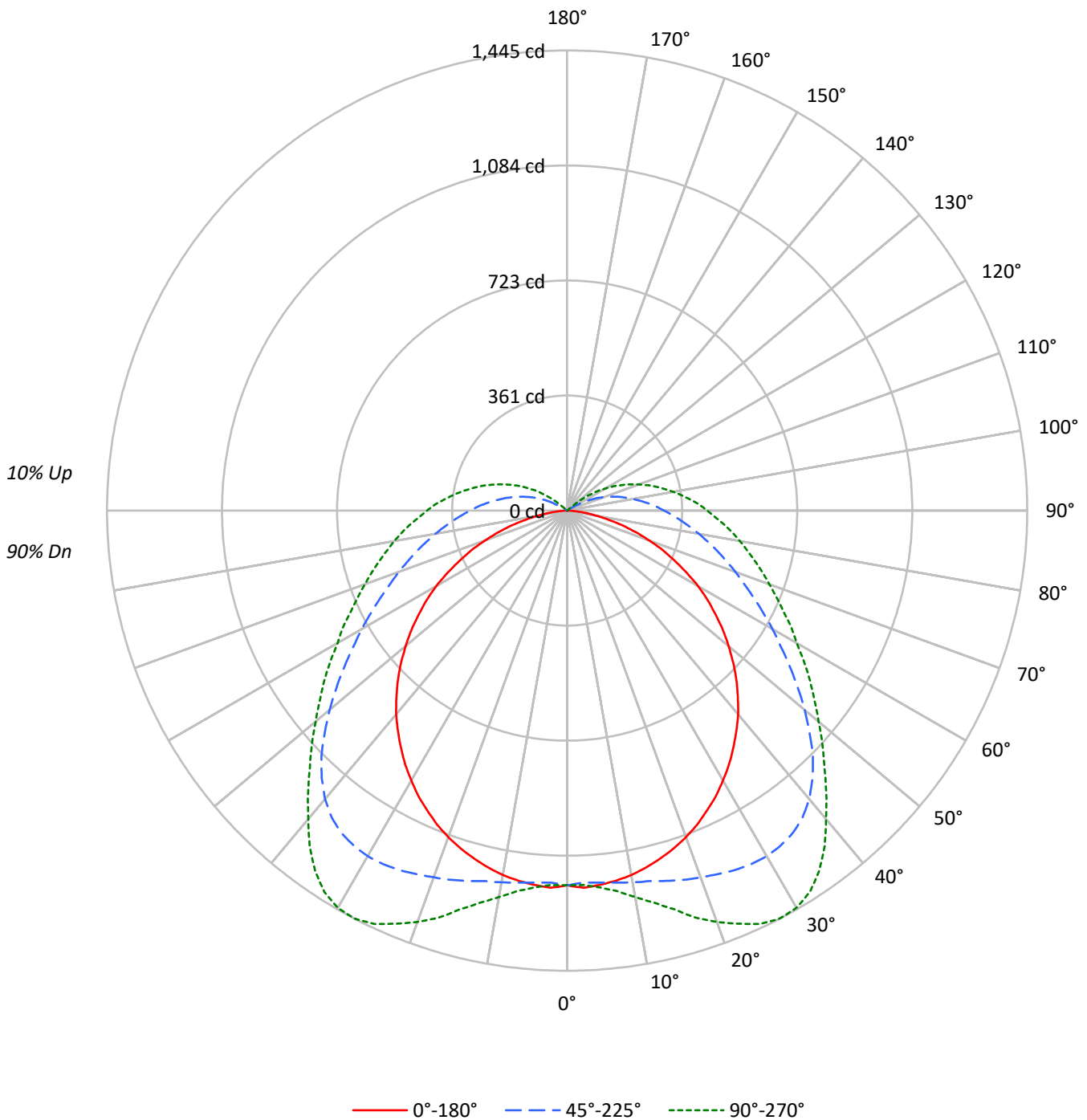
Input Watts (W): 44.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	75995	75995	75995
5°	76215	60829	57057
10°	75654	51699	47397
15°	74792	45586	41818
20°	73869	41284	38463
25°	72641	38058	35617
30°	71249	35272	32456
35°	69704	32460	28628
40°	68083	29336	24477
45°	65892	25832	20870
50°	63319	22195	17962
55°	60469	18912	15613
60°	57176	16177	13555
65°	52087	13855	11950
70°	46594	11988	10638
75°	38720	10423	9559
80°	28218	9080	8657
85°	14306	7893	7829



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	113.1	2.2
10°-20°	344.2	6.6
20°-30°	573.1	11.0
30°-40°	741.2	14.2
40°-50°	782.8	15.0
50°-60°	721.7	13.8
60°-70°	606.5	11.6
70°-80°	475.2	9.1
80°-90°	349.6	6.7
90°-100°	249.1	4.8
100°-110°	160.0	3.1
110°-120°	84.0	1.6
120°-130°	24.4	0.5
130°-140°	0.6	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°	1030.4	19.7
0°-40°	1771.6	33.9
0°-60°	3276.1	62.7
0°-90°	4707.4	90.1
90°-120°	493.2	9.4
90°-150°	518.2	9.9
90°-180°	518.0	9.9
0°-180°	5225.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1177	1177	1177	1177	1177	
5°	1180	1179	1173	1188	1188	112
15°	1131	1153	1204	1276	1296	319
25°	1039	1098	1246	1388	1432	479
35°	910	1011	1236	1362	1380	569
45°	752	885	1091	1138	1142	579
55°	569	707	854	912	931	509
65°	371	508	646	726	749	370
75°	179	331	487	580	610	191
85°	28	193	359	461	494	37
90°	1	142	304	407	440	1
95°	2	103	256	357	389	1
105°	2	34	167	259	290	2
115°	1	2	80	161	189	2
125°	1	1	0	58	86	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



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1176.7	1176.7	1176.7	1176.7	1176.7
2.5°	1185.6	1180.5	1169.1	1179.2	1176.7
5°	1179.9	1179.2	1172.9	1188.1	1188.1
7.5°	1172.3	1174.8	1178.0	1203.3	1205.2
10°	1162.1	1169.7	1185.6	1224.2	1232.5
12.5°	1147.5	1161.5	1191.9	1247.7	1261.0
15°	1131.1	1153.2	1203.9	1275.5	1295.8
17.5°	1112.1	1141.2	1216.0	1309.8	1340.2
20°	1091.1	1129.2	1225.5	1340.8	1374.4
22.5°	1067.1	1114.6	1235.6	1366.2	1404.2
25°	1039.2	1097.5	1245.8	1388.3	1432.1
27.5°	1011.3	1079.7	1251.5	1402.3	1444.7
30°	978.4	1060.1	1253.4	1404.2	1440.3
32.5°	946.0	1038.6	1247.7	1390.9	1419.4
35°	909.9	1011.3	1235.6	1361.7	1380.1
37.5°	872.5	982.2	1214.7	1316.7	1328.1
40°	835.8	954.9	1182.4	1259.7	1264.8
42.5°	793.3	920.1	1140.6	1199.5	1204.6
45°	751.5	885.2	1091.1	1138.0	1142.5
47.5°	707.2	845.3	1032.9	1076.6	1087.3
50°	661.5	801.6	973.3	1019.5	1031.0
52.5°	617.2	756.6	913.1	965.7	979.0
55°	569.0	707.2	853.5	911.8	930.8
57.5°	522.8	658.4	795.9	860.5	881.4
60°	474.6	608.3	745.2	813.0	832.0
62.5°	423.9	557.6	693.2	769.3	793.3
65°	371.3	508.2	646.3	725.5	749.0
67.5°	325.1	460.7	601.3	685.0	711.6
70°	275.0	415.0	562.0	648.9	675.5
72.5°	226.2	372.6	522.8	614.0	642.5
75°	179.3	330.8	487.3	579.8	610.2
77.5°	133.7	292.1	452.4	548.7	579.2
80°	93.8	256.6	420.1	519.0	551.3
82.5°	58.3	224.9	388.4	489.8	522.8
85°	28.5	193.3	358.6	460.7	493.6
87.5°	8.2	165.4	330.8	432.8	465.1
90°	0.6	141.9	304.2	407.4	439.8
92.5°	1.3	121.0	281.3	382.1	416.3
95°	1.9	102.7	256.0	357.4	389.1
97.5°	1.9	84.9	232.6	332.7	363.7
100°	1.9	67.8	209.7	306.7	338.4
102.5°	1.9	51.3	187.6	282.6	313.0
105°	1.9	33.6	166.7	259.2	289.6
107.5°	1.9	14.6	144.5	233.8	264.2
110°	1.9	3.2	122.9	210.4	240.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.9	1.9	102.7	185.7	215.4
115°	1.3	1.9	79.8	160.9	188.8
117.5°	1.3	1.3	54.5	136.9	165.4
120°	1.3	1.3	28.5	112.8	138.8
122.5°	1.3	0.6	5.7	86.2	114.7
125°	1.3	0.6	0.0	57.7	85.5
127.5°	1.3	0.6	0.0	29.8	58.3
130°	0.6	0.6	0.0	4.4	27.9
132.5°	0.6	0.6	0.0	0.0	1.3
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)