

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: P290023

Luminaire Tested: **4SSRK-RB-60-L950-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290023
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-L950-CD1-U
Description: 6000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH ROUND BATWING LENS AND 90 CRI 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5565.3 lumens
Efficiency: N/A
Efficacy: 124.2 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

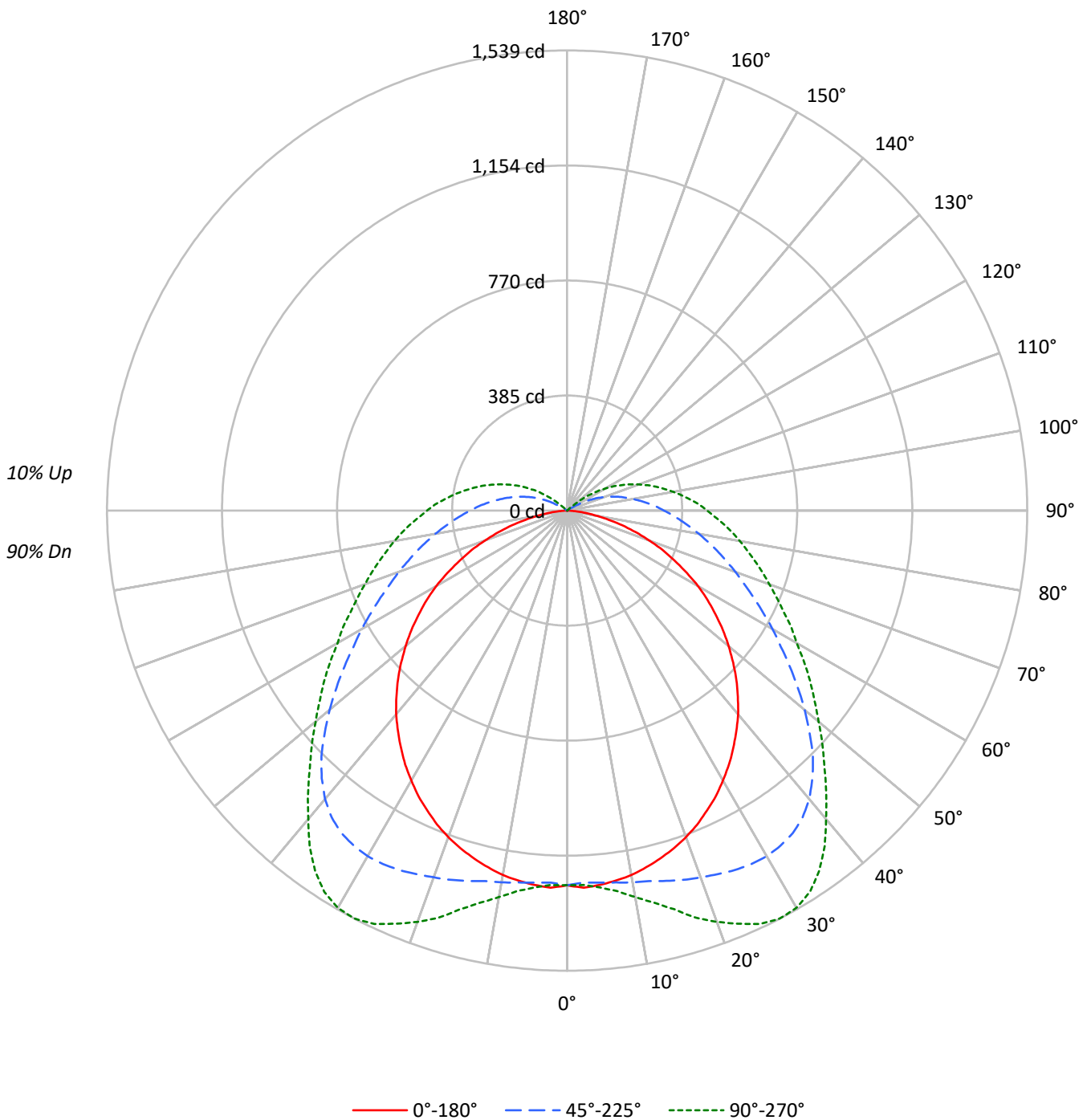
Input Watts (W): 44.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P290023

CATALOG NUMBER: 4SSRK-RB-60-L950-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P290023

CATALOG NUMBER: 4SSRK-RB-60-L950-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°	80935	80935	80935
5°	81169	64781	60764
10°	80575	55056	50477
15°	79652	48551	44539
20°	78675	43968	40962
25°	77367	40532	37932
30°	75881	37563	34565
35°	74239	34572	30488
40°	72507	31244	26068
45°	70180	27512	22227
50°	67435	23639	19130
55°	64401	20142	16630
60°	60898	17228	14436
65°	55481	14755	12727
70°	49627	12769	11330
75°	41246	11101	10181
80°	30053	9670	9219
85°	15259	8408	8338



TEST NUMBER: P290023

CATALOG NUMBER: 4SSRK-RB-60-L950-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.5	2.2
10°-20°	366.6	6.6
20°-30°	610.3	11.0
30°-40°	789.3	14.2
40°-50°	833.7	15.0
50°-60°	768.7	13.8
60°-70°	645.9	11.6
70°-80°	506.1	9.1
80°-90°	372.3	6.7
90°-100°	265.3	4.8
100°-110°	170.4	3.1
110°-120°	89.4	1.6
120°-130°	26.0	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°	1097.4	19.7
0°-40°	1886.8	33.9
0°-60°	3489.1	62.7
0°-90°	5013.5	90.1
90°-120°	525.2	9.4
90°-150°	551.8	9.9
90°-180°	552.0	9.9
0°-180°	5565.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1253	1253	1253	1253	1253	
5°	1257	1256	1249	1265	1265	119
15°	1205	1228	1282	1358	1380	340
25°	1107	1169	1327	1479	1525	510
35°	969	1077	1316	1450	1470	606
45°	800	943	1162	1212	1217	617
55°	606	753	909	971	991	542
65°	396	541	688	773	798	394
75°	191	352	519	618	650	203
85°	30	206	382	491	526	40
90°	1	151	324	434	468	2
95°	2	109	273	381	414	2
105°	2	36	178	276	308	2
115°	1	2	85	171	201	2
125°	1	1	0	61	91	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: P290023

CATALOG NUMBER: 4SSRK-RB-60-L950-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1253.2	1253.2	1253.2	1253.2	1253.2
2.5°	1262.6	1257.2	1245.1	1255.9	1253.2
5°	1256.6	1255.9	1249.1	1265.3	1265.3
7.5°	1248.5	1251.2	1254.5	1281.5	1283.6
10°	1237.7	1245.8	1262.6	1303.8	1312.6
12.5°	1222.1	1237.0	1269.4	1328.8	1342.9
15°	1204.6	1228.2	1282.2	1358.5	1380.1
17.5°	1184.4	1215.4	1295.0	1394.9	1427.3
20°	1162.1	1202.6	1305.2	1428.0	1463.7
22.5°	1136.4	1187.1	1316.0	1455.0	1495.5
25°	1106.8	1168.8	1326.8	1478.6	1525.2
27.5°	1077.1	1149.9	1332.8	1493.4	1538.7
30°	1042.0	1129.0	1334.8	1495.5	1533.9
32.5°	1007.5	1106.1	1328.8	1481.3	1511.7
35°	969.1	1077.1	1316.0	1450.2	1469.8
37.5°	929.3	1046.0	1293.7	1402.3	1414.5
40°	890.1	1017.0	1259.3	1341.6	1347.0
42.5°	844.9	979.9	1214.7	1277.5	1282.9
45°	800.4	942.8	1162.1	1212.0	1216.8
47.5°	753.1	900.2	1100.0	1146.6	1158.0
50°	704.5	853.7	1036.6	1085.8	1098.0
52.5°	657.3	805.8	972.5	1028.5	1042.6
55°	606.0	753.1	909.0	971.1	991.4
57.5°	556.7	701.2	847.6	916.4	938.7
60°	505.5	647.9	793.6	865.8	886.1
62.5°	451.5	593.9	738.3	819.3	844.9
65°	395.5	541.2	688.3	772.7	797.7
67.5°	346.2	490.6	640.4	729.5	757.9
70°	292.9	442.0	598.6	691.0	719.4
72.5°	240.9	396.8	556.7	653.9	684.3
75°	191.0	352.3	519.0	617.5	649.9
77.5°	142.4	311.1	481.8	584.4	616.8
80°	99.9	273.3	447.4	552.7	587.1
82.5°	62.1	239.6	413.7	521.7	556.7
85°	30.4	205.8	382.0	490.6	525.7
87.5°	8.8	176.1	352.3	460.9	495.3
90°	0.7	151.2	323.9	433.9	468.3
92.5°	1.3	128.9	299.6	406.9	443.4
95°	2.0	109.3	272.6	380.6	414.4
97.5°	2.0	90.4	247.7	354.3	387.4
100°	2.0	72.2	223.4	326.6	360.4
102.5°	2.0	54.7	199.8	301.0	333.4
105°	2.0	35.8	177.5	276.0	308.4
107.5°	2.0	15.5	153.9	249.0	281.4
110°	2.0	3.4	130.9	224.0	255.8



TEST NUMBER: P290023

CATALOG NUMBER: 4SSRK-RB-60-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.0	2.0	109.3	197.7	229.4
115°	1.3	2.0	85.0	171.4	201.1
117.5°	1.3	1.3	58.0	145.8	176.1
120°	1.3	1.3	30.4	120.1	147.8
122.5°	1.3	0.7	6.1	91.8	122.1
125°	1.3	0.7	0.0	61.4	91.1
127.5°	1.3	0.7	0.0	31.7	62.1
130°	0.7	0.7	0.0	4.7	29.7
132.5°	0.7	0.7	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)