

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: P290037

Luminaire Tested: **8SSRK-RB-40-L935-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290037
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: 8SSRK-RB-40-L935-CD1-U
Description: 4000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH ROUND BATWING LENS AND 90 CRI 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3342.9 lumens
Efficiency: N/A
Efficacy: 123.7 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.65 / 1.6
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 8' x H: 0.17')
CIE Type: Direct

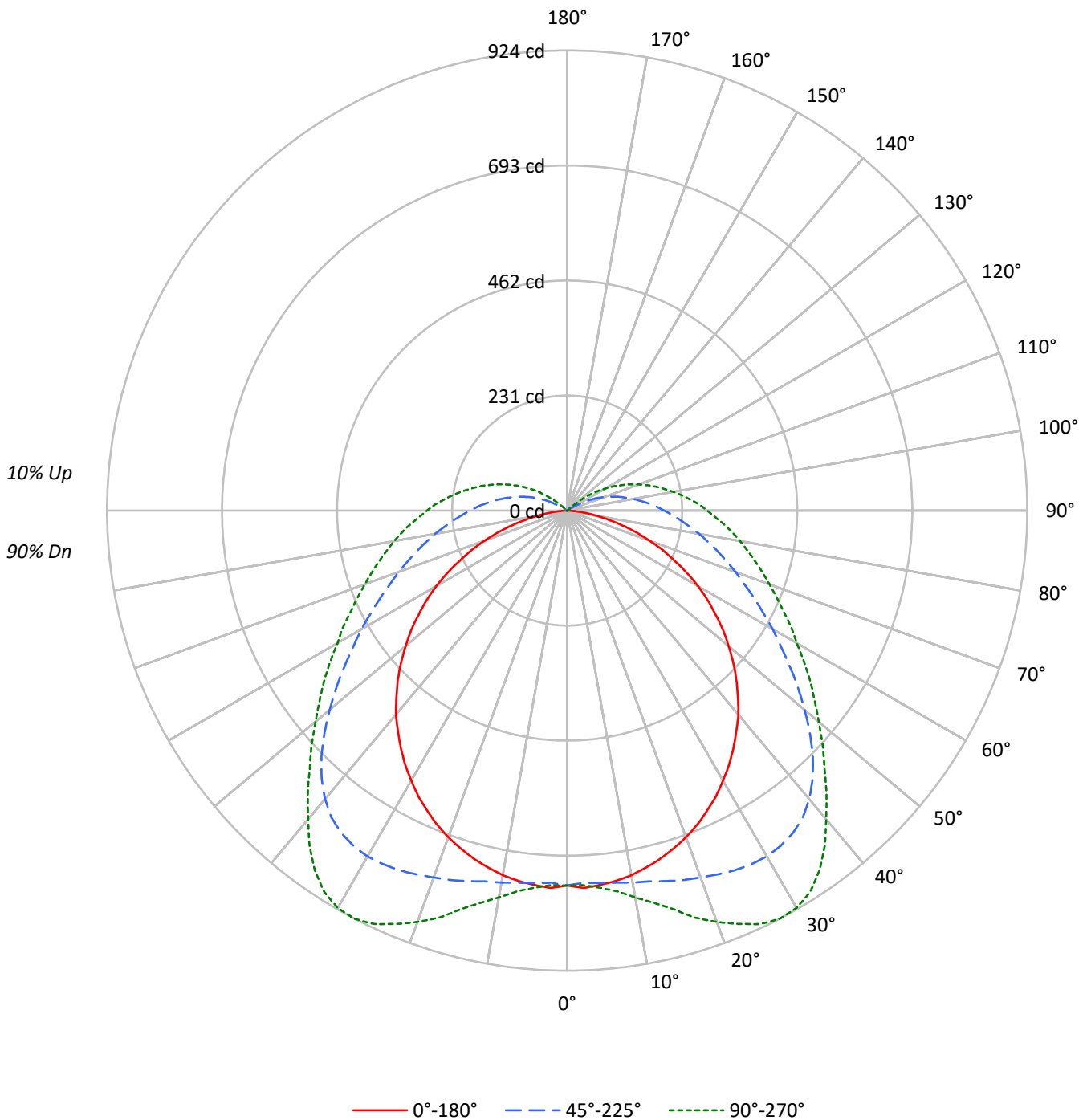
Input Watts (W): 27.0151
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P290037

CATALOG NUMBER: 8SSRK-RB-40-L935-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P290037

CATALOG NUMBER: 8SSRK-RB-40-L935-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°	24309	24309	24309
5°	24422	19476	18251
10°	24287	16564	15159
15°	24056	14615	13377
20°	23805	13240	12302
25°	23459	12208	11392
30°	23061	11318	10381
35°	22617	10419	9157
40°	22152	9418	7829
45°	21509	8294	6676
50°	20745	7127	5745
55°	19901	6074	4994
60°	18925	5197	4335
65°	17371	4452	3822
70°	15708	3853	3403
75°	13278	3349	3058
80°	9979	2919	2769
85°	5446	2537	2504



TEST NUMBER: P290037

CATALOG NUMBER: 8SSRK-RB-40-L935-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.4	2.2
10°-20°	220.2	6.6
20°-30°	366.6	11.0
30°-40°	474.1	14.2
40°-50°	500.8	15.0
50°-60°	461.7	13.8
60°-70°	388.0	11.6
70°-80°	304.0	9.1
80°-90°	223.6	6.7
90°-100°	159.4	4.8
100°-110°	102.4	3.1
110°-120°	53.7	1.6
120°-130°	15.6	0.5
130°-140°	0.4	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°	659.2	19.7
0°-40°	1133.3	33.9
0°-60°	2095.8	62.7
0°-90°	3011.4	90.1
90°-120°	315.5	9.4
90°-150°	331.5	9.9
90°-180°	331.0	9.9
0°-180°	3342.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	753	753	753	753	753	
5°	755	754	750	760	760	72
15°	724	738	770	816	829	204
25°	665	702	797	888	916	306
35°	582	647	790	871	883	364
45°	481	566	698	728	731	370
55°	364	452	546	583	596	326
65°	238	325	414	464	479	237
75°	115	212	312	371	390	122
85°	18	124	229	295	316	24
90°	0	91	195	261	281	1
95°	1	66	164	229	249	1
105°	1	22	107	166	185	1
115°	1	1	51	103	121	1
125°	1	0	0	37	55	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: P290037

CATALOG NUMBER: 8SSRK-RB-40-L935-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	752.8	752.8	752.8	752.8	752.8
2.5°	758.4	755.2	747.9	754.4	752.8
5°	754.8	754.4	750.3	760.1	760.1
7.5°	749.9	751.5	753.6	769.8	771.0
10°	743.4	748.3	758.4	783.2	788.4
12.5°	734.1	743.0	762.5	798.2	806.7
15°	723.6	737.8	770.2	816.0	829.0
17.5°	711.4	730.1	777.9	837.9	857.3
20°	698.0	722.4	784.0	857.7	879.2
22.5°	682.6	713.0	790.5	874.0	898.3
25°	664.8	702.1	796.9	888.1	916.1
27.5°	647.0	690.7	800.6	897.1	924.2
30°	625.9	678.2	801.8	898.3	921.4
32.5°	605.2	664.4	798.2	889.8	908.0
35°	582.1	647.0	790.5	871.1	882.9
37.5°	558.2	628.3	777.1	842.3	849.6
40°	534.7	610.9	756.4	805.9	809.1
42.5°	507.5	588.6	729.7	767.4	770.6
45°	480.8	566.3	698.0	728.0	730.9
47.5°	452.4	540.8	660.7	688.7	695.6
50°	423.2	512.8	622.6	652.2	659.5
52.5°	394.8	484.0	584.1	617.8	626.3
55°	364.0	452.4	546.0	583.3	595.5
57.5°	334.4	421.2	509.1	550.5	563.9
60°	303.6	389.1	476.7	520.1	532.2
62.5°	271.2	356.7	443.5	492.1	507.5
65°	237.5	325.1	413.5	464.1	479.1
67.5°	208.0	294.7	384.7	438.2	455.2
70°	175.9	265.5	359.6	415.1	432.1
72.5°	144.7	238.4	334.4	392.8	411.0
75°	114.7	211.6	311.7	370.9	390.4
77.5°	85.5	186.9	289.4	351.0	370.5
80°	60.0	164.2	268.8	332.0	352.7
82.5°	37.3	143.9	248.5	313.3	334.4
85°	18.2	123.6	229.4	294.7	315.8
87.5°	5.3	105.8	211.6	276.9	297.5
90°	0.4	90.8	194.6	260.6	281.3
92.5°	0.8	77.4	180.0	244.4	266.3
95°	1.2	65.7	163.8	228.6	248.9
97.5°	1.2	54.3	148.8	212.8	232.7
100°	1.2	43.4	134.2	196.2	216.5
102.5°	1.2	32.8	120.0	180.8	200.2
105°	1.2	21.5	106.6	165.8	185.3
107.5°	1.2	9.3	92.4	149.6	169.0
110°	1.2	2.0	78.6	134.6	153.6



TEST NUMBER: P290037

CATALOG NUMBER: 8SSRK-RB-40-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.2	1.2	65.7	118.8	137.8
115°	0.8	1.2	51.1	103.0	120.8
117.5°	0.8	0.8	34.9	87.6	105.8
120°	0.8	0.8	18.2	72.2	88.8
122.5°	0.8	0.4	3.6	55.1	73.4
125°	0.8	0.4	0.0	36.9	54.7
127.5°	0.8	0.4	0.0	19.1	37.3
130°	0.4	0.4	0.0	2.8	17.8
132.5°	0.4	0.4	0.0	0.0	0.8
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)