

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: P290049

Luminaire Tested: **8SSRK-RB-50-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290049
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-50-L835-CD1-U
Description: 5000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH ROUND BATWING LENS AND 80 CRI 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5010.0 lumens
Efficiency: N/A
Efficacy: 146.5 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

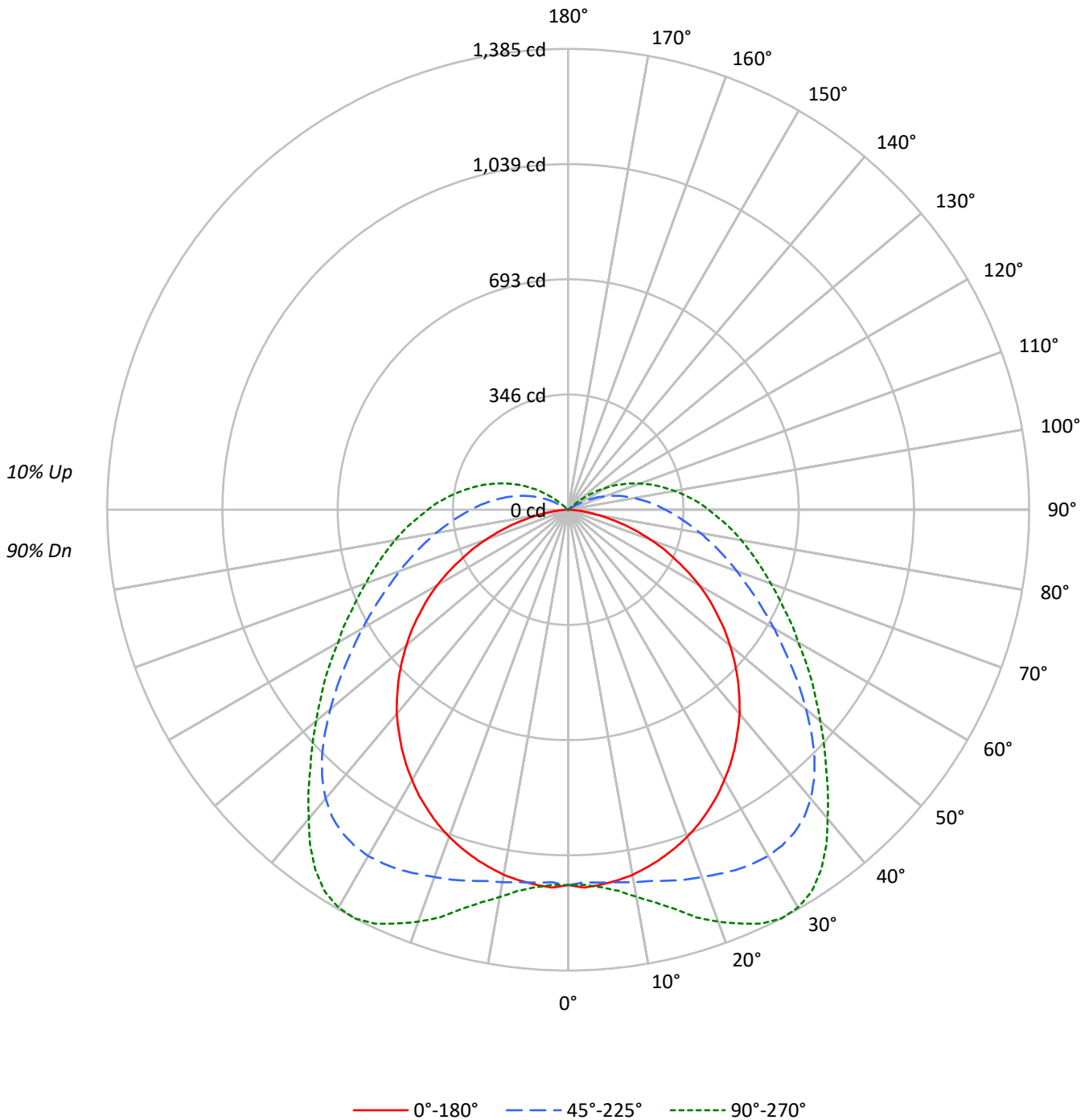
Input Watts (W): 34.1991
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	36431	36431	36431
5°	36601	29190	27352
10°	36400	24826	22720
15°	36051	21903	20047
20°	35678	19842	18438
25°	35156	18298	17074
30°	34560	16963	15559
35°	33896	15615	13724
40°	33197	14114	11733
45°	32232	12431	10004
50°	31088	10682	8610
55°	29823	9104	7485
60°	28362	7788	6498
65°	26038	6672	5729
70°	23549	5774	5100
75°	19900	5020	4582
80°	14951	4374	4149
85°	8169	3804	3753



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.5	2.2
10°-20°	330.0	6.6
20°-30°	549.4	11.0
30°-40°	710.6	14.2
40°-50°	750.5	15.0
50°-60°	692.0	13.8
60°-70°	581.5	11.6
70°-80°	455.6	9.1
80°-90°	335.2	6.7
90°-100°	238.8	4.8
100°-110°	153.4	3.1
110°-120°	80.5	1.6
120°-130°	23.4	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°	987.9	19.7
0°-40°	1698.5	33.9
0°-60°	3140.9	62.7
0°-90°	4513.2	90.1
90°-120°	472.8	9.4
90°-150°	496.7	9.9
90°-180°	497.0	9.9
0°-180°	5010.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1128	1128	1128	1128	1128	
5°	1131	1131	1124	1139	1139	107
15°	1084	1106	1154	1223	1242	306
25°	996	1052	1194	1331	1373	459
35°	872	970	1185	1306	1323	546
45°	720	849	1046	1091	1095	555
55°	546	678	818	874	892	488
65°	356	487	620	696	718	355
75°	172	317	467	556	585	183
85°	27	185	344	442	473	36
90°	1	136	292	391	422	1
95°	2	98	245	343	373	1
105°	2	32	160	248	278	2
115°	1	2	76	154	181	1
125°	1	1	0	55	82	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°	1128.2	1128.2	1128.2	1128.2	1128.2
2.5°	1136.7	1131.8	1120.9	1130.6	1128.2
5°	1131.2	1130.6	1124.5	1139.1	1139.1
7.5°	1123.9	1126.3	1129.4	1153.7	1155.5
10°	1114.2	1121.5	1136.7	1173.7	1181.6
12.5°	1100.2	1113.6	1142.7	1196.2	1209.0
15°	1084.4	1105.7	1154.3	1222.9	1242.4
17.5°	1066.2	1094.1	1165.8	1255.7	1284.9
20°	1046.1	1082.6	1174.9	1285.5	1317.7
22.5°	1023.1	1068.6	1184.7	1309.8	1346.3
25°	996.3	1052.2	1194.4	1331.1	1373.0
27.5°	969.6	1035.2	1199.8	1344.4	1385.1
30°	938.0	1016.4	1201.7	1346.3	1380.9
32.5°	907.0	995.7	1196.2	1333.5	1360.8
35°	872.4	969.6	1184.7	1305.5	1323.2
37.5°	836.5	941.6	1164.6	1262.4	1273.4
40°	801.3	915.5	1133.6	1207.7	1212.6
42.5°	760.6	882.1	1093.5	1150.0	1154.9
45°	720.5	848.7	1046.1	1091.1	1095.3
47.5°	678.0	810.4	990.2	1032.2	1042.5
50°	634.2	768.5	933.1	977.5	988.4
52.5°	591.7	725.4	875.4	925.9	938.6
55°	545.5	678.0	818.3	874.2	892.4
57.5°	501.2	631.2	763.0	825.0	845.1
60°	455.0	583.2	714.4	779.4	797.7
62.5°	406.4	534.6	664.6	737.5	760.6
65°	356.0	487.2	619.7	695.6	718.1
67.5°	311.7	441.7	576.5	656.7	682.2
70°	263.7	397.9	538.9	622.1	647.6
72.5°	216.9	357.2	501.2	588.7	616.0
75°	171.9	317.1	467.2	555.9	585.0
77.5°	128.2	280.1	433.8	526.1	555.3
80°	89.9	246.0	402.8	497.6	528.5
82.5°	55.9	215.7	372.4	469.6	501.2
85°	27.3	185.3	343.9	441.7	473.3
87.5°	7.9	158.6	317.1	414.9	445.9
90°	0.6	136.1	291.6	390.6	421.6
92.5°	1.2	116.0	269.7	366.3	399.1
95°	1.8	98.4	245.4	342.6	373.0
97.5°	1.8	81.4	223.0	318.9	348.7
100°	1.8	65.0	201.1	294.0	324.4
102.5°	1.8	49.2	179.8	271.0	300.1
105°	1.8	32.2	159.8	248.5	277.6
107.5°	1.8	14.0	138.5	224.2	253.3
110°	1.8	3.0	117.9	201.7	230.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.8	1.8	98.4	178.0	206.6
115°	1.2	1.8	76.5	154.3	181.0
117.5°	1.2	1.2	52.2	131.2	158.6
120°	1.2	1.2	27.3	108.1	133.0
122.5°	1.2	0.6	5.5	82.6	110.0
125°	1.2	0.6	0.0	55.3	82.0
127.5°	1.2	0.6	0.0	28.6	55.9
130°	0.6	0.6	0.0	4.3	26.7
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)