

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: P290053

Luminaire Tested: **8SSRK-RB-60-L935-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290053
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-60-L935-CD1-U
Description: 6000 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: 5059.9 lumens
Efficiency: N/A
Efficacy: 122.3 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

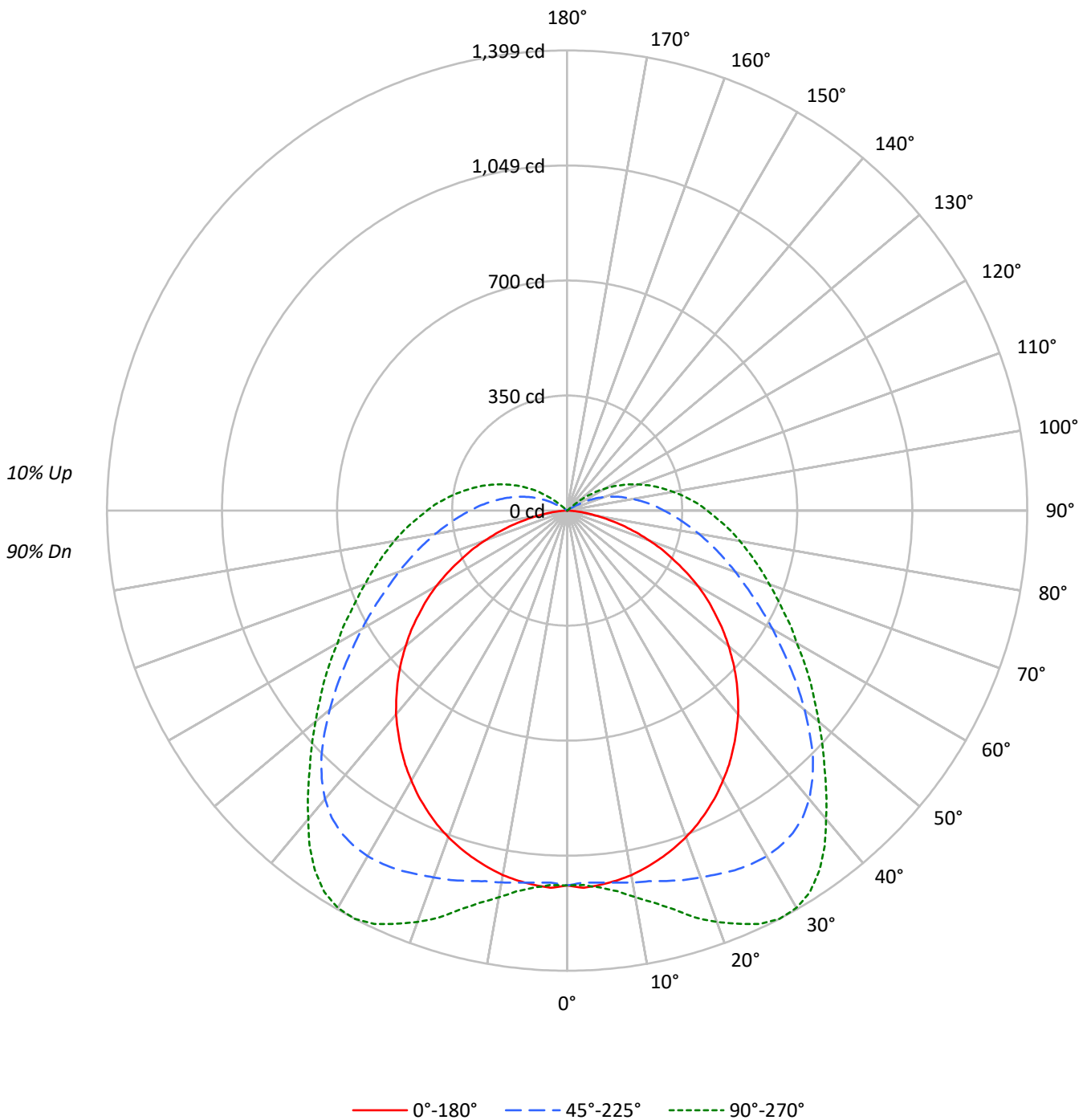
Input Watts (W): 41.3831
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	36793	36793	36793
5°	36967	29480	27626
10°	36763	25073	22947
15°	36410	22121	20248
20°	36036	20041	18621
25°	35509	18480	17244
30°	34906	17131	15714
35°	34234	15771	13861
40°	33529	14255	11851
45°	32554	12555	10104
50°	31402	10790	8696
55°	30124	9195	7559
60°	28649	7866	6562
65°	26301	6737	5785
70°	23781	5831	5151
75°	20097	5070	4629
80°	15101	4418	4191
85°	8259	3841	3791



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.6	2.2
10°-20°	333.3	6.6
20°-30°	554.9	11.0
30°-40°	717.7	14.2
40°-50°	758.0	15.0
50°-60°	698.9	13.8
60°-70°	587.3	11.6
70°-80°	460.2	9.1
80°-90°	338.5	6.7
90°-100°	241.2	4.8
100°-110°	155.0	3.1
110°-120°	81.3	1.6
120°-130°	23.6	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°	997.8	19.7
0°-40°	1715.4	33.9
0°-60°	3172.3	62.7
0°-90°	4558.3	90.1
90°-120°	477.5	9.4
90°-150°	501.7	9.9
90°-180°	502.0	9.9
0°-180°	5059.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1139	1139	1139	1139	1139	
5°	1142	1142	1136	1150	1150	108
15°	1095	1117	1166	1235	1255	309
25°	1006	1063	1206	1344	1387	464
35°	881	979	1196	1319	1336	551
45°	728	857	1057	1102	1106	561
55°	551	685	826	883	901	493
65°	360	492	626	702	725	358
75°	174	320	472	561	591	185
85°	28	187	347	446	478	36
90°	1	137	294	394	426	1
95°	2	99	248	346	377	1
105°	2	32	161	251	280	2
115°	1	2	77	156	183	1
125°	1	1	0	56	83	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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CATALOG NUMBER: 8SSRK-RB-60-L935-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1139.4	1139.4	1139.4	1139.4	1139.4
2.5°	1148.0	1143.1	1132.0	1141.9	1139.4
5°	1142.5	1141.9	1135.7	1150.5	1150.5
7.5°	1135.1	1137.6	1140.6	1165.2	1167.0
10°	1125.3	1132.7	1148.0	1185.4	1193.4
12.5°	1111.2	1124.7	1154.1	1208.1	1221.0
15°	1095.2	1116.7	1165.8	1235.1	1254.8
17.5°	1076.8	1105.0	1177.4	1268.3	1297.7
20°	1056.6	1093.4	1186.7	1298.3	1330.8
22.5°	1033.3	1079.3	1196.5	1322.9	1359.7
25°	1006.3	1062.7	1206.3	1344.3	1386.7
27.5°	979.3	1045.5	1211.8	1357.8	1398.9
30°	947.4	1026.5	1213.6	1359.7	1394.7
32.5°	916.1	1005.6	1208.1	1346.8	1374.4
35°	881.1	979.3	1196.5	1318.6	1336.4
37.5°	844.9	951.0	1176.2	1275.0	1286.1
40°	809.3	924.7	1144.9	1219.8	1224.7
42.5°	768.2	890.9	1104.4	1161.5	1166.4
45°	727.7	857.2	1056.6	1102.0	1106.3
47.5°	684.7	818.5	1000.1	1042.5	1052.9
50°	640.6	776.2	942.5	987.2	998.3
52.5°	597.6	732.6	884.2	935.1	948.0
55°	551.0	684.7	826.5	882.9	901.3
57.5°	506.2	637.5	770.6	833.2	853.5
60°	459.6	589.0	721.6	787.2	805.6
62.5°	410.5	539.9	671.3	744.9	768.2
65°	359.6	492.1	625.8	702.5	725.2
67.5°	314.8	446.1	582.3	663.3	689.0
70°	266.3	401.9	544.2	628.3	654.1
72.5°	219.0	360.8	506.2	594.6	622.2
75°	173.6	320.3	471.8	561.4	590.9
77.5°	129.5	282.9	438.1	531.4	560.8
80°	90.8	248.5	406.8	502.5	533.8
82.5°	56.4	217.8	376.1	474.3	506.2
85°	27.6	187.1	347.3	446.1	478.0
87.5°	8.0	160.1	320.3	419.1	450.4
90°	0.6	137.4	294.5	394.5	425.8
92.5°	1.2	117.2	272.4	370.0	403.1
95°	1.8	99.4	247.9	346.1	376.7
97.5°	1.8	82.2	225.2	322.1	352.2
100°	1.8	65.7	203.1	297.0	327.6
102.5°	1.8	49.7	181.6	273.7	303.1
105°	1.8	32.5	161.4	251.0	280.4
107.5°	1.8	14.1	139.9	226.4	255.9
110°	1.8	3.1	119.0	203.7	232.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.8	1.8	99.4	179.8	208.6
115°	1.2	1.8	77.3	155.8	182.8
117.5°	1.2	1.2	52.8	132.5	160.1
120°	1.2	1.2	27.6	109.2	134.4
122.5°	1.2	0.6	5.5	83.4	111.1
125°	1.2	0.6	0.0	55.8	82.8
127.5°	1.2	0.6	0.0	28.8	56.4
130°	0.6	0.6	0.0	4.3	27.0
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)