

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: P290052

Luminaire Tested: **8SSRK-RB-60-L930-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290052
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-L930-CD1-U
Description: 6000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH ROUND BATWING LENS AND 90 CRI 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4766.9 lumens
Efficiency: N/A
Efficacy: 115.2 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

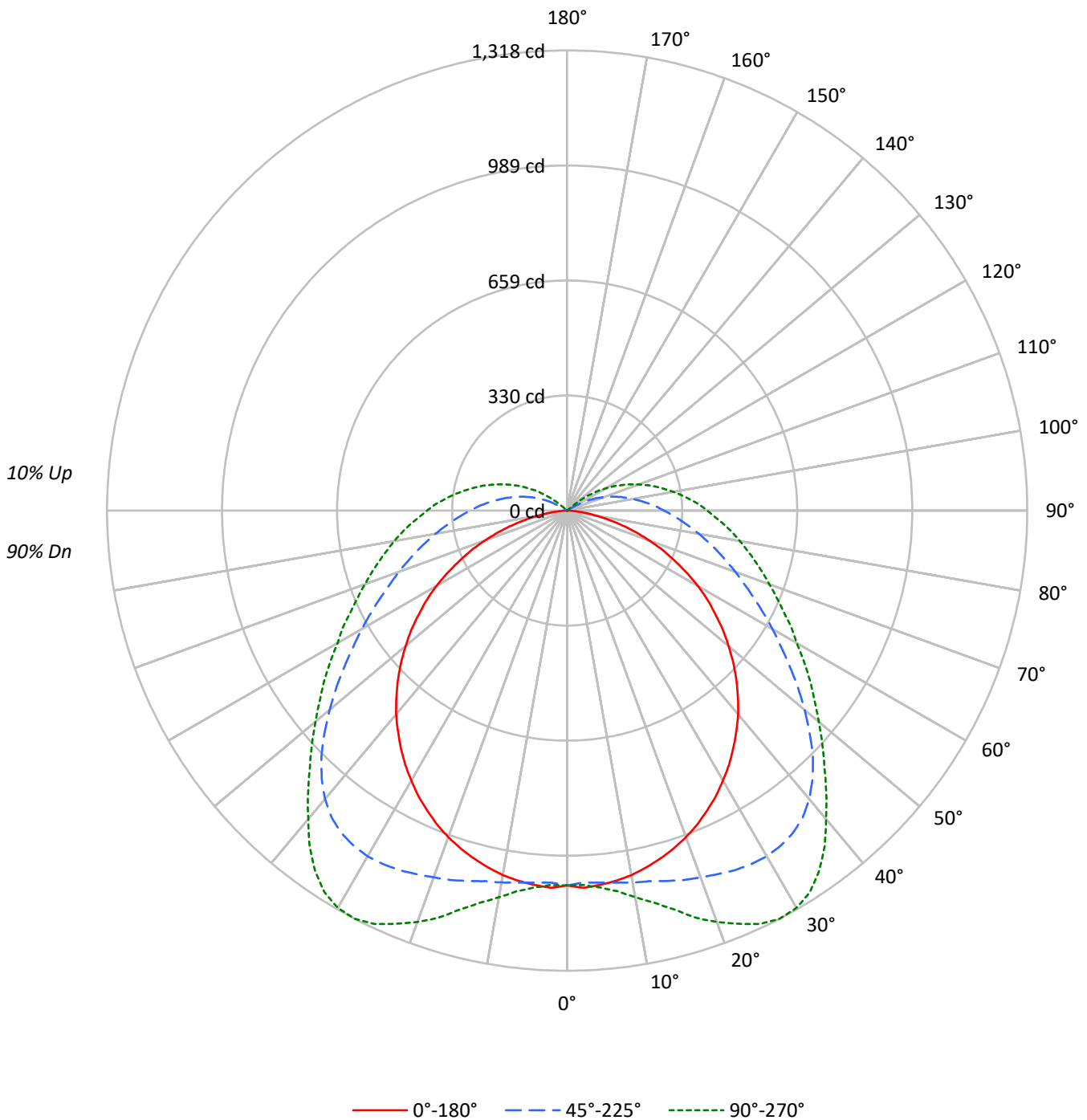
Input Watts (W): 41.3831
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	34662	34662	34662
5°	34825	27772	26024
10°	34633	23621	21618
15°	34302	20840	19074
20°	33948	18879	17544
25°	33452	17409	16245
30°	32883	16140	14804
35°	32253	14857	13058
40°	31586	13429	11164
45°	30670	11828	9519
50°	29583	10164	8193
55°	28380	8662	7121
60°	26990	7411	6183
65°	24773	6348	5450
70°	22406	5494	4852
75°	18939	4776	4361
80°	14219	4161	3948
85°	7780	3619	3571



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.2	2.2
10°-20°	314.0	6.6
20°-30°	522.8	11.0
30°-40°	676.1	14.2
40°-50°	714.1	15.0
50°-60°	658.4	13.8
60°-70°	553.3	11.6
70°-80°	433.5	9.1
80°-90°	318.9	6.7
90°-100°	227.3	4.8
100°-110°	146.0	3.1
110°-120°	76.6	1.6
120°-130°	22.3	0.5
130°-140°	0.5	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°	940.0	19.7
0°-40°	1616.1	33.9
0°-60°	2988.6	62.7
0°-90°	4294.3	90.1
90°-120°	449.9	9.4
90°-150°	472.7	9.9
90°-180°	473.0	9.9
0°-180°	4766.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1073	1073	1073	1073	1073	
5°	1076	1076	1070	1084	1084	102
15°	1032	1052	1098	1164	1182	291
25°	948	1001	1136	1266	1306	437
35°	830	922	1127	1242	1259	519
45°	686	808	995	1038	1042	528
55°	519	645	779	832	849	464
65°	339	464	590	662	683	337
75°	164	302	444	529	557	174
85°	26	176	327	420	450	34
90°	1	130	278	372	401	1
95°	2	94	234	326	355	1
105°	2	31	152	236	264	2
115°	1	2	73	147	172	1
125°	1	1	0	53	78	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°	1073.4	1073.4	1073.4	1073.4	1073.4
2.5°	1081.5	1076.9	1066.5	1075.7	1073.4
5°	1076.3	1075.7	1069.9	1083.8	1083.8
7.5°	1069.4	1071.7	1074.6	1097.7	1099.4
10°	1060.1	1067.1	1081.5	1116.8	1124.3
12.5°	1046.8	1059.5	1087.3	1138.2	1150.3
15°	1031.8	1052.0	1098.3	1163.6	1182.1
17.5°	1014.5	1041.0	1109.3	1194.8	1222.5
20°	995.4	1030.1	1117.9	1223.1	1253.8
22.5°	973.4	1016.8	1127.2	1246.2	1280.9
25°	948.0	1001.2	1136.4	1266.5	1306.4
27.5°	922.5	985.0	1141.6	1279.2	1317.9
30°	892.5	967.1	1143.4	1280.9	1313.9
32.5°	863.0	947.4	1138.2	1268.8	1294.8
35°	830.1	922.5	1127.2	1242.2	1259.0
37.5°	796.0	896.0	1108.1	1201.2	1211.6
40°	762.4	871.1	1078.6	1149.1	1153.8
42.5°	723.7	839.3	1040.5	1094.2	1098.8
45°	685.6	807.5	995.4	1038.2	1042.2
47.5°	645.1	771.1	942.2	982.1	991.9
50°	603.5	731.2	887.9	930.1	940.5
52.5°	563.0	690.2	833.0	880.9	893.1
55°	519.1	645.1	778.6	831.8	849.1
57.5°	476.9	600.6	726.0	785.0	804.1
60°	433.0	554.9	679.8	741.6	759.0
62.5°	386.7	508.7	632.4	701.7	723.7
65°	338.7	463.6	589.6	661.9	683.2
67.5°	296.5	420.2	548.6	624.9	649.1
70°	250.9	378.6	512.7	591.9	616.2
72.5°	206.4	339.9	476.9	560.1	586.1
75°	163.6	301.7	444.5	528.9	556.7
77.5°	122.0	266.5	412.7	500.6	528.3
80°	85.5	234.1	383.2	473.4	502.9
82.5°	53.2	205.2	354.3	446.8	476.9
85°	26.0	176.3	327.2	420.2	450.3
87.5°	7.5	150.9	301.7	394.8	424.3
90°	0.6	129.5	277.5	371.7	401.2
92.5°	1.2	110.4	256.6	348.6	379.8
95°	1.7	93.6	233.5	326.0	354.9
97.5°	1.7	77.5	212.1	303.5	331.8
100°	1.7	61.9	191.3	279.8	308.7
102.5°	1.7	46.8	171.1	257.8	285.6
105°	1.7	30.6	152.0	236.4	264.2
107.5°	1.7	13.3	131.8	213.3	241.0
110°	1.7	2.9	112.1	191.9	219.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.7	1.7	93.6	169.4	196.5
115°	1.2	1.7	72.8	146.8	172.3
117.5°	1.2	1.2	49.7	124.9	150.9
120°	1.2	1.2	26.0	102.9	126.6
122.5°	1.2	0.6	5.2	78.6	104.6
125°	1.2	0.6	0.0	52.6	78.0
127.5°	1.2	0.6	0.0	27.2	53.2
130°	0.6	0.6	0.0	4.0	25.4
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)