

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: P290054

Luminaire Tested: **8SSRK-RB-60-L940-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290054
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-L940-CD1-U
Description: 6000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH ROUND BATWING LENS AND 90 CRI 4000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5182.5 lumens
Efficiency: N/A
Efficacy: 125.2 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

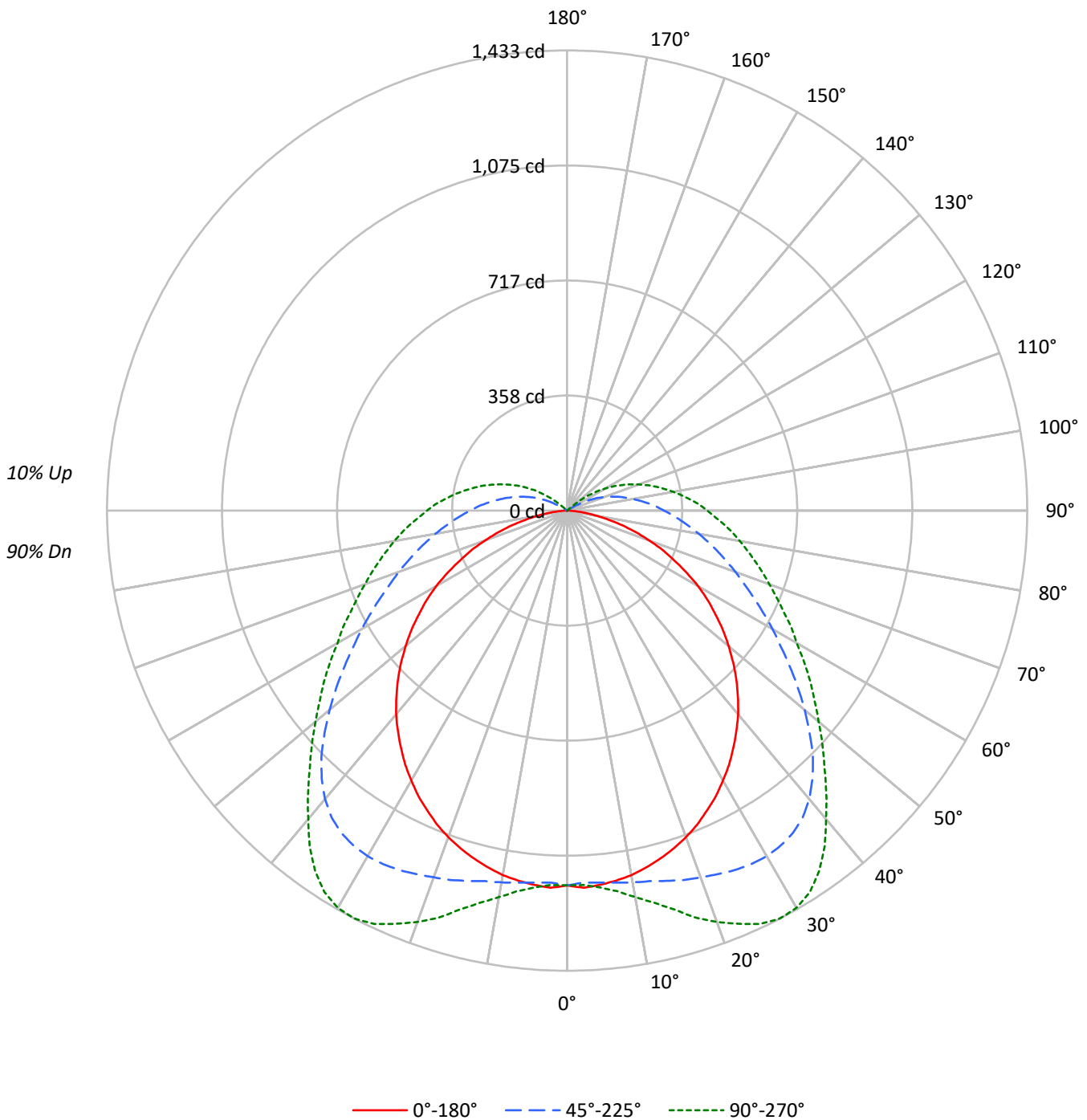
Input Watts (W): 41.3831
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									70									30									10									0
RW	70	50	30	10	70	50	30	10	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°	37684	37684	37684
5°	37860	30194	28293
10°	37655	25680	23502
15°	37294	22656	20738
20°	36909	20526	19073
25°	36367	18927	17662
30°	35750	17546	16094
35°	35062	16153	14196
40°	34341	14601	12138
45°	33341	12860	10349
50°	32162	11051	8907
55°	30851	9418	7743
60°	29340	8056	6721
65°	26938	6901	5926
70°	24353	5972	5275
75°	20583	5193	4741
80°	15467	4525	4292
85°	8469	3934	3883



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.2	2.2
10°-20°	341.4	6.6
20°-30°	568.3	11.0
30°-40°	735.1	14.2
40°-50°	776.3	15.0
50°-60°	715.8	13.8
60°-70°	601.5	11.6
70°-80°	471.3	9.1
80°-90°	346.7	6.7
90°-100°	247.1	4.8
100°-110°	158.7	3.1
110°-120°	83.3	1.6
120°-130°	24.2	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°	1022.0	19.7
0°-40°	1757.0	33.9
0°-60°	3249.1	62.7
0°-90°	4668.7	90.1
90°-120°	489.1	9.4
90°-150°	513.9	9.9
90°-180°	514.0	9.9
0°-180°	5182.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1167	1167	1167	1167	1167	
5°	1170	1170	1163	1178	1178	111
15°	1122	1144	1194	1265	1285	316
25°	1031	1088	1236	1377	1420	475
35°	902	1003	1226	1350	1369	565
45°	745	878	1082	1129	1133	574
55°	564	701	846	904	923	505
65°	368	504	641	720	743	367
75°	178	328	483	575	605	189
85°	28	192	356	457	490	37
90°	1	141	302	404	436	1
95°	2	102	254	354	386	1
105°	2	33	165	257	287	2
115°	1	2	79	160	187	2
125°	1	1	0	57	85	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°	1167.0	1167.0	1167.0	1167.0	1167.0
2.5°	1175.8	1170.8	1159.5	1169.5	1167.0
5°	1170.1	1169.5	1163.2	1178.3	1178.3
7.5°	1162.6	1165.1	1168.3	1193.4	1195.3
10°	1152.6	1160.1	1175.8	1214.1	1222.3
12.5°	1138.1	1151.9	1182.1	1237.4	1250.6
15°	1121.8	1143.8	1194.0	1265.0	1285.2
17.5°	1102.9	1131.8	1206.0	1299.0	1329.1
20°	1082.2	1119.9	1215.4	1329.8	1363.1
22.5°	1058.3	1105.4	1225.5	1354.9	1392.6
25°	1030.6	1088.5	1235.5	1376.9	1420.3
27.5°	1003.0	1070.9	1241.2	1390.7	1432.8
30°	970.3	1051.4	1243.0	1392.6	1428.4
32.5°	938.3	1030.0	1237.4	1379.4	1407.7
35°	902.4	1003.0	1225.5	1350.5	1368.7
37.5°	865.4	974.1	1204.7	1305.9	1317.2
40°	828.9	947.1	1172.7	1249.3	1254.4
42.5°	786.8	912.5	1131.2	1189.6	1194.7
45°	745.3	877.9	1082.2	1128.7	1133.1
47.5°	701.3	838.3	1024.4	1067.7	1078.4
50°	656.1	795.0	965.3	1011.2	1022.5
52.5°	612.1	750.4	905.6	957.7	970.9
55°	564.3	701.3	846.5	904.3	923.2
57.5°	518.5	652.9	789.3	853.4	874.2
60°	470.7	603.3	739.0	806.3	825.1
62.5°	420.4	553.0	687.5	762.9	786.8
65°	368.3	504.0	641.0	719.6	742.8
67.5°	322.4	456.9	596.4	679.3	705.7
70°	272.7	411.6	557.4	643.5	669.9
72.5°	224.4	369.5	518.5	609.0	637.2
75°	177.8	328.0	483.3	575.0	605.2
77.5°	132.6	289.7	448.7	544.2	574.4
80°	93.0	254.5	416.7	514.7	546.7
82.5°	57.8	223.1	385.2	485.8	518.5
85°	28.3	191.7	355.7	456.9	489.6
87.5°	8.2	164.0	328.0	429.2	461.3
90°	0.6	140.8	301.6	404.1	436.1
92.5°	1.3	120.0	279.0	378.9	412.9
95°	1.9	101.8	253.9	354.4	385.9
97.5°	1.9	84.2	230.6	329.9	360.7
100°	1.9	67.2	208.0	304.2	335.6
102.5°	1.9	50.9	186.0	280.3	310.4
105°	1.9	33.3	165.3	257.0	287.2
107.5°	1.9	14.5	143.3	231.9	262.1
110°	1.9	3.1	121.9	208.6	238.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.9	1.9	101.8	184.1	213.7
115°	1.3	1.9	79.2	159.6	187.3
117.5°	1.3	1.3	54.0	135.7	164.0
120°	1.3	1.3	28.3	111.9	137.6
122.5°	1.3	0.6	5.7	85.5	113.7
125°	1.3	0.6	0.0	57.2	84.8
127.5°	1.3	0.6	0.0	29.5	57.8
130°	0.6	0.6	0.0	4.4	27.7
132.5°	0.6	0.6	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)