

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: P290025

Luminaire Tested: **4SSRK-RB-60-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290025
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: 4SSRK-RB-60-L835-CD1-U
Description: 6000 LUMEN, 4 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: 6073.8 lumens
Efficiency: N/A
Efficacy: 135.6 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.65 / 1.6
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 4' x H: 0.17')
CIE Type: Direct

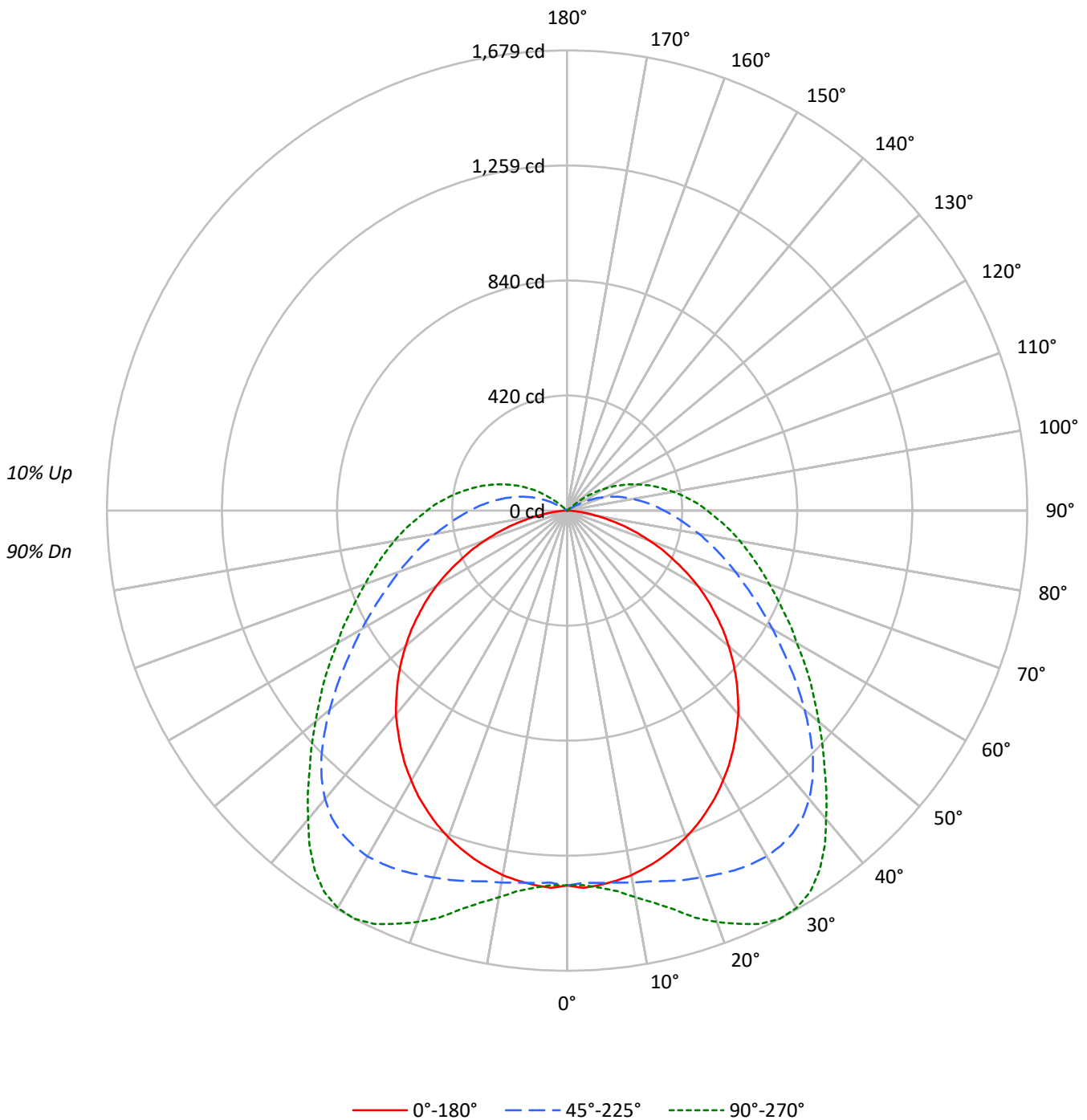
Input Watts (W): 44.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	88330	88330	88330
5°	88584	70704	66321
10°	87938	60088	55088
15°	86932	52989	48608
20°	85865	47984	44706
25°	84434	44235	41397
30°	82813	40996	37724
35°	81019	37730	33274
40°	79137	34097	28450
45°	76589	30027	24257
50°	73599	25799	20877
55°	70289	21983	18148
60°	66452	18802	15754
65°	60546	16103	13890
70°	54150	13936	12365
75°	45004	12115	11112
80°	32791	10554	10062
85°	16615	9176	9099



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.5	2.2
10°-20°	400.1	6.6
20°-30°	666.1	11.0
30°-40°	861.5	14.2
40°-50°	909.8	15.0
50°-60°	838.9	13.8
60°-70°	704.9	11.6
70°-80°	552.4	9.1
80°-90°	406.3	6.7
90°-100°	289.6	4.8
100°-110°	186.0	3.1
110°-120°	97.6	1.6
120°-130°	28.4	0.5
130°-140°	0.7	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°	1197.7	19.7
0°-40°	2059.2	33.9
0°-60°	3807.9	62.7
0°-90°	5471.5	90.1
90°-120°	573.2	9.4
90°-150°	602.2	9.9
90°-180°	602.0	9.9
0°-180°	6073.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1368	1368	1368	1368	1368	
5°	1371	1371	1363	1381	1381	130
15°	1315	1340	1399	1483	1506	371
25°	1208	1276	1448	1614	1664	557
35°	1058	1176	1436	1583	1604	662
45°	874	1029	1268	1323	1328	673
55°	661	822	992	1060	1082	592
65°	432	591	751	843	871	430
75°	208	384	566	674	709	222
85°	33	225	417	535	574	44
90°	1	165	354	474	511	2
95°	2	119	298	415	452	2
105°	2	39	194	301	337	2
115°	2	2	93	187	220	2
125°	2	1	0	67	99	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°	1367.7	1367.7	1367.7	1367.7	1367.7
2.5°	1378.0	1372.1	1358.9	1370.6	1367.7
5°	1371.4	1370.6	1363.3	1381.0	1381.0
7.5°	1362.5	1365.5	1369.2	1398.6	1400.8
10°	1350.8	1359.6	1378.0	1422.9	1432.5
12.5°	1333.8	1350.0	1385.4	1450.2	1465.7
15°	1314.7	1340.4	1399.4	1482.6	1506.2
17.5°	1292.6	1326.5	1413.4	1522.4	1557.7
20°	1268.3	1312.5	1424.4	1558.5	1597.5
22.5°	1240.3	1295.5	1436.2	1587.9	1632.1
25°	1207.9	1275.6	1448.0	1613.7	1664.5
27.5°	1175.5	1255.0	1454.6	1629.9	1679.2
30°	1137.2	1232.2	1456.8	1632.1	1674.1
32.5°	1099.6	1207.1	1450.2	1616.6	1649.8
35°	1057.6	1175.5	1436.2	1582.8	1604.1
37.5°	1014.2	1141.6	1411.9	1530.5	1543.7
40°	971.5	1109.9	1374.3	1464.2	1470.1
42.5°	922.1	1069.4	1325.7	1394.2	1400.1
45°	873.5	1028.9	1268.3	1322.8	1327.9
47.5°	821.9	982.5	1200.5	1251.3	1263.8
50°	768.9	931.7	1131.3	1185.0	1198.3
52.5°	717.4	879.4	1061.3	1122.4	1137.9
55°	661.4	821.9	992.1	1059.8	1081.9
57.5°	607.6	765.2	925.1	1000.2	1024.5
60°	551.6	707.0	866.1	944.9	967.0
62.5°	492.7	648.1	805.7	894.1	922.1
65°	431.6	590.7	751.2	843.3	870.6
67.5°	377.8	535.4	698.9	796.2	827.1
70°	319.6	482.4	653.3	754.2	785.1
72.5°	262.9	433.1	607.6	713.7	746.8
75°	208.4	384.5	566.4	673.9	709.3
77.5°	155.4	339.5	525.9	637.8	673.2
80°	109.0	298.3	488.3	603.2	640.8
82.5°	67.8	261.5	451.5	569.3	607.6
85°	33.1	224.6	416.9	535.4	573.7
87.5°	9.6	192.2	384.5	503.0	540.6
90°	0.7	165.0	353.5	473.6	511.1
92.5°	1.5	140.7	327.0	444.1	483.9
95°	2.2	119.3	297.5	415.4	452.2
97.5°	2.2	98.7	270.3	386.7	422.8
100°	2.2	78.8	243.8	356.5	393.3
102.5°	2.2	59.7	218.0	328.5	363.8
105°	2.2	39.0	193.7	301.2	336.6
107.5°	2.2	16.9	167.9	271.8	307.1
110°	2.2	3.7	142.9	244.5	279.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.2	2.2	119.3	215.8	250.4
115°	1.5	2.2	92.8	187.1	219.5
117.5°	1.5	1.5	63.3	159.1	192.2
120°	1.5	1.5	33.1	131.1	161.3
122.5°	1.5	0.7	6.6	100.2	133.3
125°	1.5	0.7	0.0	67.0	99.4
127.5°	1.5	0.7	0.0	34.6	67.8
130°	0.7	0.7	0.0	5.2	32.4
132.5°	0.7	0.7	0.0	0.0	1.5
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)