

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: P290056

Luminaire Tested: **8SSRK-RB-60-L830-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P290056  
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-L830-CD1-U  
Description: 6000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH ROUND BATWING LENS AND 80 CRI 3000K CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5921.6 lumens  
Efficiency: N/A  
Efficacy: 143.1 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

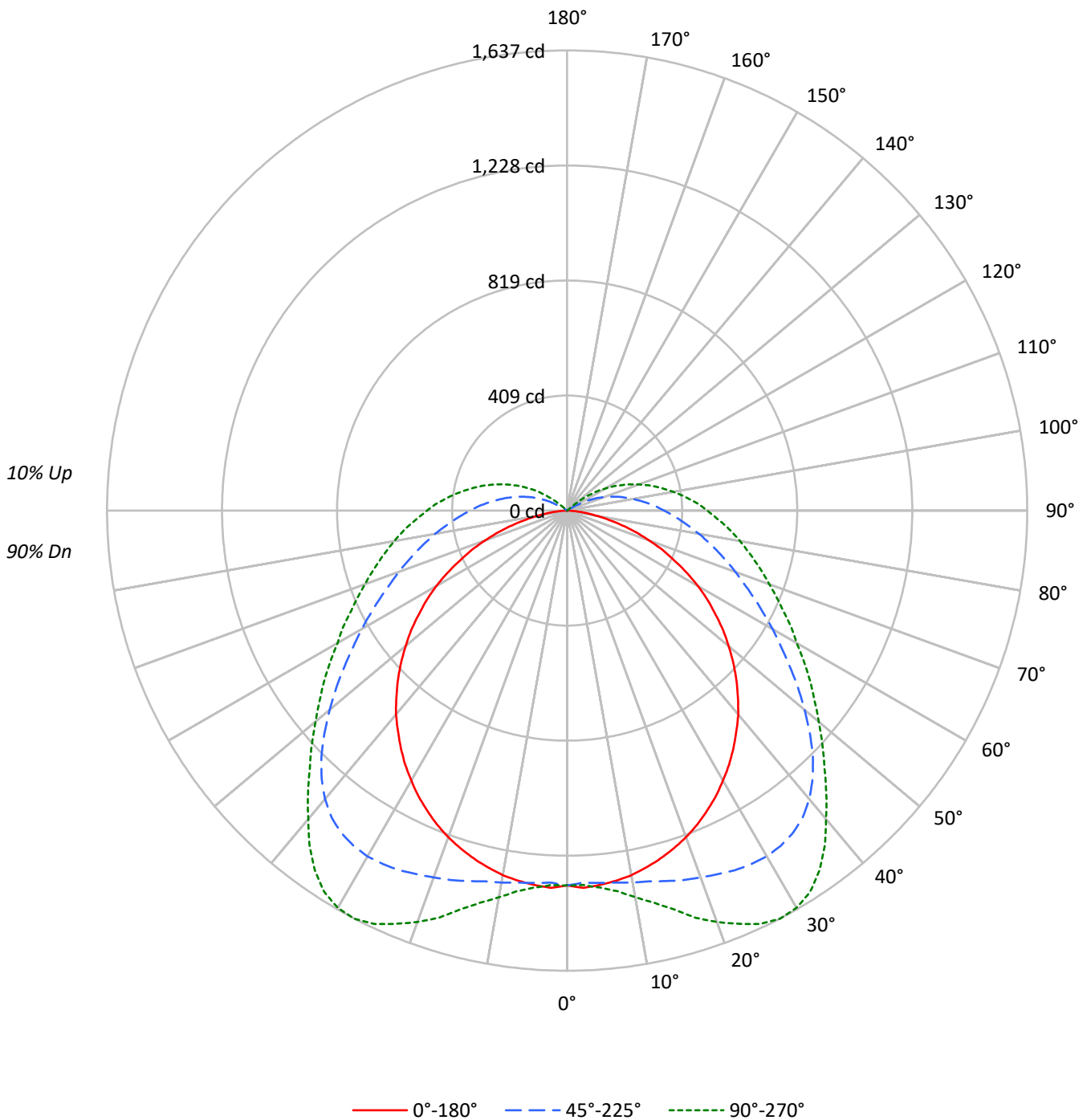
Input Watts (W): 41.3831  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	43057	43057	43057
5°	43260	34501	32330
10°	43023	29343	26854
15°	42610	25888	23694
20°	42171	23452	21793
25°	41554	21627	20180
30°	40849	20049	18389
35°	40062	18456	16220
40°	39238	16682	13868
45°	38096	14693	11825
50°	36750	12626	10177
55°	35252	10760	8847
60°	33523	9205	7680
65°	30778	7885	6770
70°	27827	6824	6028
75°	23523	5934	5417
80°	17679	5170	4905
85°	9666	4495	4436



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	128.2	2.2
10°-20°	390.1	6.6
20°-30°	649.4	11.0
30°-40°	839.9	14.2
40°-50°	887.1	15.0
50°-60°	817.9	13.8
60°-70°	687.3	11.6
70°-80°	538.5	9.1
80°-90°	396.2	6.7
90°-100°	282.3	4.8
100°-110°	181.4	3.1
110°-120°	95.2	1.6
120°-130°	27.7	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°	1167.7	19.7
0°-40°	2007.6	33.9
0°-60°	3712.5	62.7
0°-90°	5334.5	90.1
90°-120°	558.8	9.4
90°-150°	587.2	9.9
90°-180°	587.0	9.9
0°-180°	5921.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1333	1333	1333	1333	1333	
5°	1337	1336	1329	1346	1346	127
15°	1282	1307	1364	1446	1468	362
25°	1178	1244	1412	1573	1623	543
35°	1031	1146	1400	1543	1564	645
45°	852	1003	1236	1290	1295	656
55°	645	801	967	1033	1055	577
65°	421	576	732	822	849	419
75°	203	375	552	657	692	216
85°	32	219	406	522	559	42
90°	1	161	345	462	498	2
95°	2	116	290	405	441	2
105°	2	38	189	294	328	2
115°	1	2	90	182	214	2
125°	1	1	0	65	97	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°	1333.4	1333.4	1333.4	1333.4	1333.4
2.5°	1343.5	1337.7	1324.8	1336.3	1333.4
5°	1337.0	1336.3	1329.1	1346.4	1346.4
7.5°	1328.4	1331.3	1334.9	1363.6	1365.7
10°	1316.9	1325.5	1343.5	1387.3	1396.6
12.5°	1300.4	1316.2	1350.7	1413.9	1428.9
15°	1281.7	1306.9	1364.3	1445.5	1468.4
17.5°	1260.2	1293.2	1378.0	1484.2	1518.7
20°	1236.5	1279.6	1388.7	1519.4	1557.5
22.5°	1209.2	1263.1	1400.2	1548.1	1591.2
25°	1177.6	1243.7	1411.7	1573.3	1622.8
27.5°	1146.0	1223.6	1418.2	1589.1	1637.2
30°	1108.7	1201.3	1420.3	1591.2	1632.1
32.5°	1072.1	1176.9	1413.9	1576.1	1608.5
35°	1031.1	1146.0	1400.2	1543.1	1563.9
37.5°	988.8	1113.0	1376.5	1492.1	1505.1
40°	947.1	1082.1	1339.9	1427.5	1433.2
42.5°	899.0	1042.6	1292.5	1359.3	1365.0
45°	851.6	1003.1	1236.5	1289.6	1294.7
47.5°	801.4	957.9	1170.4	1220.0	1232.2
50°	749.7	908.3	1102.9	1155.4	1168.3
52.5°	699.4	857.4	1034.7	1094.3	1109.4
55°	644.8	801.4	967.2	1033.3	1054.8
57.5°	592.4	746.1	901.9	975.1	998.8
60°	537.8	689.3	844.4	921.3	942.8
62.5°	480.4	631.9	785.6	871.7	899.0
65°	420.8	575.9	732.4	822.2	848.7
67.5°	368.4	522.0	681.4	776.2	806.4
70°	311.6	470.3	636.9	735.3	765.5
72.5°	256.3	422.2	592.4	695.8	728.1
75°	203.2	374.8	552.2	657.0	691.5
77.5°	151.5	331.0	512.7	621.8	656.3
80°	106.3	290.8	476.1	588.1	624.7
82.5°	66.1	254.9	440.2	555.1	592.4
85°	32.3	219.0	406.4	522.0	559.4
87.5°	9.3	187.4	374.8	490.4	527.1
90°	0.7	160.8	344.7	461.7	498.3
92.5°	1.4	137.1	318.8	433.0	471.8
95°	2.2	116.3	290.1	405.0	440.9
97.5°	2.2	96.2	263.5	377.0	412.2
100°	2.2	76.8	237.7	347.5	383.4
102.5°	2.2	58.2	212.5	320.3	354.7
105°	2.2	38.1	188.8	293.7	328.2
107.5°	2.2	16.5	163.7	265.0	299.4
110°	2.2	3.6	139.3	238.4	272.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	2.2	2.2	116.3	210.4	244.1
115°	1.4	2.2	90.5	182.4	214.0
117.5°	1.4	1.4	61.8	155.1	187.4
120°	1.4	1.4	32.3	127.8	157.3
122.5°	1.4	0.7	6.5	97.7	130.0
125°	1.4	0.7	0.0	65.3	96.9
127.5°	1.4	0.7	0.0	33.7	66.1
130°	0.7	0.7	0.0	5.0	31.6
132.5°	0.7	0.7	0.0	0.0	1.4
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)