

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: P290024

Luminaire Tested: **4SSRK-RB-60-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290024
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-L830-CD1-U
Description: 6000 LUMEN, 4 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: 5970.8 lumens
Efficiency: N/A
Efficacy: 133.3 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

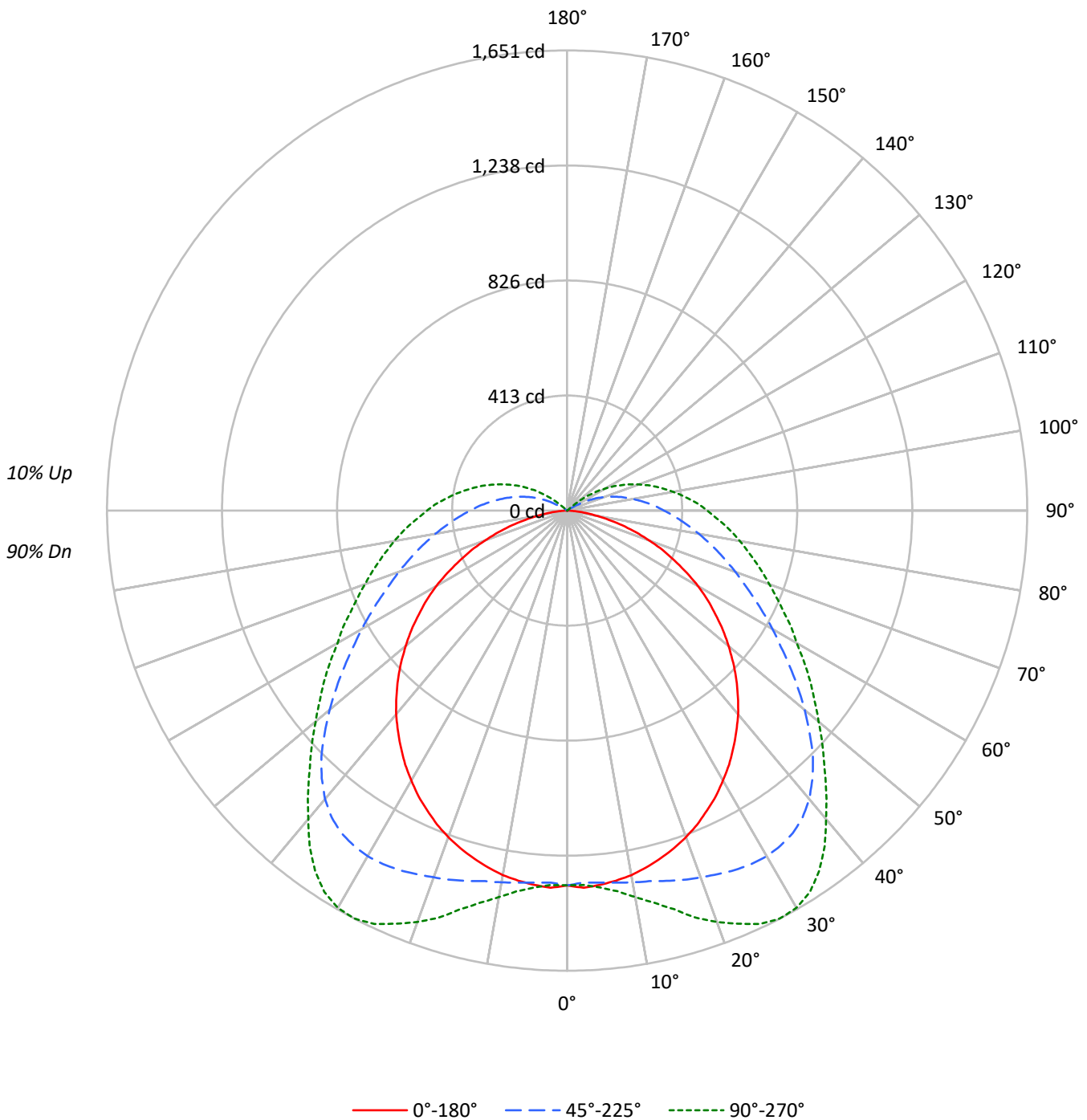
Input Watts (W): 44.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	86832	86832	86832
5°	87079	69506	65192
10°	86448	59068	54154
15°	85457	52088	47782
20°	84410	47172	43948
25°	83001	43483	40696
30°	81408	40301	37084
35°	79648	37089	32710
40°	77793	33519	27966
45°	75291	29518	23846
50°	72355	25361	20523
55°	69099	21611	17841
60°	65332	18483	15487
65°	59521	15831	13654
70°	53235	13699	12155
75°	44248	11910	10922
80°	32249	10374	9891
85°	16364	9020	8945



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.3	2.2
10°-20°	393.3	6.6
20°-30°	654.8	11.0
30°-40°	846.8	14.2
40°-50°	894.4	15.0
50°-60°	824.7	13.8
60°-70°	693.0	11.6
70°-80°	543.0	9.1
80°-90°	399.5	6.7
90°-100°	284.6	4.8
100°-110°	182.9	3.1
110°-120°	96.0	1.6
120°-130°	27.9	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°	1177.4	19.7
0°-40°	2024.2	33.9
0°-60°	3743.3	62.7
0°-90°	5378.8	90.1
90°-120°	563.5	9.4
90°-150°	592.0	9.9
90°-180°	592.0	9.9
0°-180°	5970.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1344	1344	1344	1344	1344	
5°	1348	1347	1340	1358	1358	128
15°	1292	1318	1376	1458	1481	365
25°	1187	1254	1423	1586	1636	547
35°	1040	1156	1412	1556	1577	650
45°	859	1012	1247	1300	1305	662
55°	650	808	975	1042	1064	582
65°	424	581	738	829	856	422
75°	205	378	557	662	697	218
85°	33	221	410	526	564	43
90°	1	162	348	466	502	2
95°	2	117	292	408	444	2
105°	2	38	190	296	331	2
115°	1	2	91	184	216	2
125°	1	1	0	66	98	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°	1344.5	1344.5	1344.5	1344.5	1344.5
2.5°	1354.6	1348.8	1335.8	1347.4	1344.5
5°	1348.1	1347.4	1340.2	1357.5	1357.5
7.5°	1339.4	1342.3	1346.0	1374.9	1377.1
10°	1327.9	1336.5	1354.6	1398.8	1408.2
12.5°	1311.2	1327.1	1361.9	1425.6	1440.8
15°	1292.4	1317.7	1375.6	1457.5	1480.6
17.5°	1270.7	1304.0	1389.4	1496.5	1531.3
20°	1246.8	1290.2	1400.3	1532.0	1570.4
22.5°	1219.2	1273.6	1411.8	1561.0	1604.4
25°	1187.4	1254.0	1423.4	1586.3	1636.3
27.5°	1155.5	1233.7	1429.9	1602.3	1650.8
30°	1117.9	1211.3	1432.1	1604.4	1645.7
32.5°	1081.0	1186.7	1425.6	1589.2	1621.8
35°	1039.7	1155.5	1411.8	1555.9	1576.9
37.5°	997.0	1122.2	1387.9	1504.5	1517.5
40°	955.0	1091.1	1351.0	1439.4	1445.1
42.5°	906.5	1051.3	1303.2	1370.6	1376.4
45°	858.7	1011.5	1246.8	1300.3	1305.4
47.5°	808.0	965.8	1180.2	1230.1	1242.4
50°	755.9	915.9	1112.1	1164.9	1178.0
52.5°	705.2	864.5	1043.3	1103.4	1118.6
55°	650.2	808.0	975.3	1041.9	1063.6
57.5°	597.3	752.3	909.4	983.2	1007.1
60°	542.3	695.1	851.4	928.9	950.6
62.5°	484.4	637.1	792.1	879.0	906.5
65°	424.3	580.7	738.5	829.0	855.8
67.5°	371.4	526.4	687.1	782.7	813.1
70°	314.2	474.2	642.2	741.4	771.8
72.5°	258.5	425.7	597.3	701.6	734.2
75°	204.9	377.9	556.8	662.5	697.2
77.5°	152.8	333.8	517.0	627.0	661.8
80°	107.2	293.2	480.0	593.0	629.9
82.5°	66.6	257.0	443.8	559.7	597.3
85°	32.6	220.8	409.8	526.4	564.0
87.5°	9.4	189.0	377.9	494.5	531.4
90°	0.7	162.2	347.5	465.5	502.5
92.5°	1.4	138.3	321.5	436.6	475.7
95°	2.2	117.3	292.5	408.3	444.5
97.5°	2.2	97.0	265.7	380.1	415.6
100°	2.2	77.5	239.7	350.4	386.6
102.5°	2.2	58.6	214.3	322.9	357.7
105°	2.2	38.4	190.4	296.1	330.9
107.5°	2.2	16.7	165.1	267.2	301.9
110°	2.2	3.6	140.5	240.4	274.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.2	2.2	117.3	212.1	246.2
115°	1.4	2.2	91.2	183.9	215.8
117.5°	1.4	1.4	62.3	156.4	189.0
120°	1.4	1.4	32.6	128.9	158.6
122.5°	1.4	0.7	6.5	98.5	131.0
125°	1.4	0.7	0.0	65.9	97.7
127.5°	1.4	0.7	0.0	34.0	66.6
130°	0.7	0.7	0.0	5.1	31.9
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)