

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: P#

Luminaire Tested: **8RBG6-SL1-L8SCT3-3000K-LO**

Issue Date: 3/3/2020



**Test Information**

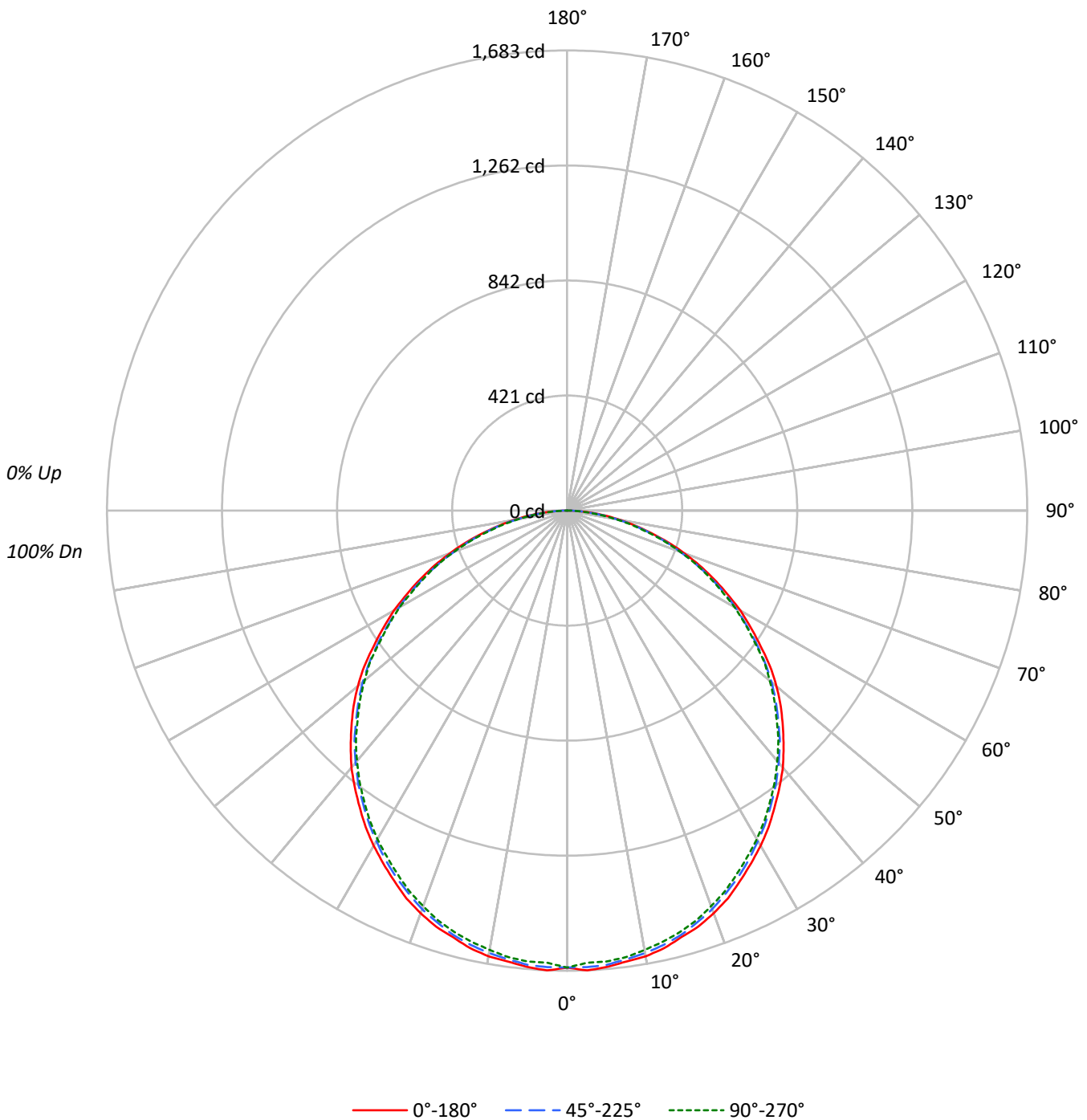
Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1901-099-1)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8RBG6-SL1-L8SCT3-3000K-LO  
Description: 8FT RIBBON LED LUMINAIRE WITH 3000K LEDS AT LO LUMEN OUTPUT SETTING  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4704.0 lumens  
Efficiency: N/A  
Efficacy: 112.8 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.36  
Luminous Opening: Rectangular (W 0.5' x L: 8' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 41.72  
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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86	84
2	99	90	84	78	96	89	82	77	85	80	75	82	77	73	79	75	72	70
3	90	79	71	65	88	78	70	64	75	68	63	72	67	62	70	65	61	59
4	82	70	62	55	80	69	61	54	66	59	54	64	58	53	62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	46	58	51	46	56	50	45	43
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	51	45	40	38
7	65	51	42	36	63	50	42	36	49	41	36	47	41	36	46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32	44	37	32	42	36	32	30
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	29	27
10	53	40	32	26	52	39	31	26	38	31	26	37	31	26	36	30	26	24

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	4497	4497	4497
5°	4525	4504	4471
10°	4523	4490	4458
15°	4500	4478	4445
20°	4489	4443	4408
25°	4440	4393	4357
30°	4398	4336	4311
35°	4348	4282	4256
40°	4312	4228	4200
45°	4246	4154	4124
50°	4185	4084	4051
55°	4052	3958	3921
60°	3938	3830	3809
65°	3768	3666	3641
70°	3586	3460	3460
75°	3326	3243	3160
80°	3036	2912	2788
85°	2717	2347	2347



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	158.2	3.4
10°-20°	452.9	9.6
20°-30°	681.5	14.5
30°-40°	816.7	17.4
40°-50°	844.6	18.0
50°-60°	756.9	16.1
60°-70°	572.7	12.2
70°-80°	329.9	7.0
80°-90°	90.7	1.9
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	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°	1292.6	27.5
0°-40°	2109.3	44.8
0°-60°	3710.8	78.9
0°-90°	4704.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4704.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1671	1671	1671	1671	1671	
5°	1675	1671	1667	1659	1655	159
15°	1615	1611	1607	1599	1595	457
25°	1495	1487	1479	1467	1467	690
35°	1324	1312	1304	1296	1296	829
45°	1116	1100	1092	1084	1084	861
55°	864	848	844	836	836	774
65°	592	584	576	572	572	586
75°	320	316	312	304	304	340
85°	88	80	76	72	76	100
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1671.3	1671.3	1671.3	1671.3	1671.3
2.5°	1683.3	1675.3	1671.3	1659.3	1655.3
5°	1675.3	1671.3	1667.3	1659.3	1655.3
7.5°	1663.3	1659.3	1655.3	1651.3	1647.3
10°	1655.3	1651.3	1643.3	1635.3	1631.3
12.5°	1639.3	1631.3	1627.3	1615.4	1615.4
15°	1615.4	1611.4	1607.4	1599.4	1595.4
17.5°	1595.4	1587.4	1579.4	1575.4	1571.4
20°	1567.4	1555.4	1551.4	1543.4	1539.4
22.5°	1535.4	1523.4	1515.4	1507.4	1507.4
25°	1495.4	1487.4	1479.4	1467.4	1467.4
27.5°	1455.4	1443.4	1439.4	1427.4	1427.4
30°	1415.4	1403.4	1395.4	1387.4	1387.4
32.5°	1371.5	1359.5	1351.5	1343.5	1343.5
35°	1323.5	1311.5	1303.5	1295.5	1295.5
37.5°	1275.5	1263.5	1255.5	1243.5	1247.5
40°	1227.5	1211.5	1203.5	1195.5	1195.5
42.5°	1171.5	1159.5	1151.5	1139.5	1143.5
45°	1115.6	1099.6	1091.6	1083.6	1083.6
47.5°	1059.6	1043.6	1035.6	1027.6	1027.6
50°	999.6	983.6	975.6	967.6	967.6
52.5°	935.6	919.6	911.6	907.6	907.6
55°	863.7	847.7	843.7	835.7	835.7
57.5°	795.7	783.7	775.7	775.7	771.7
60°	731.7	715.7	711.7	707.7	707.7
62.5°	659.7	651.7	643.7	639.7	635.7
65°	591.8	583.8	575.8	571.8	571.8
67.5°	523.8	515.8	507.8	507.8	507.8
70°	455.8	447.8	439.8	439.8	439.8
72.5°	387.8	379.8	375.8	371.9	371.9
75°	319.9	315.9	311.9	303.9	303.9
77.5°	255.9	251.9	247.9	243.9	239.9
80°	195.9	191.9	187.9	179.9	179.9
82.5°	139.9	131.9	131.9	124.0	124.0
85°	88.0	80.0	76.0	72.0	76.0
87.5°	40.0	36.0	32.0	28.0	28.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)