

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-L8SCT3-3500K-LO**

Issue Date: 3/3/2020



**Test Information**

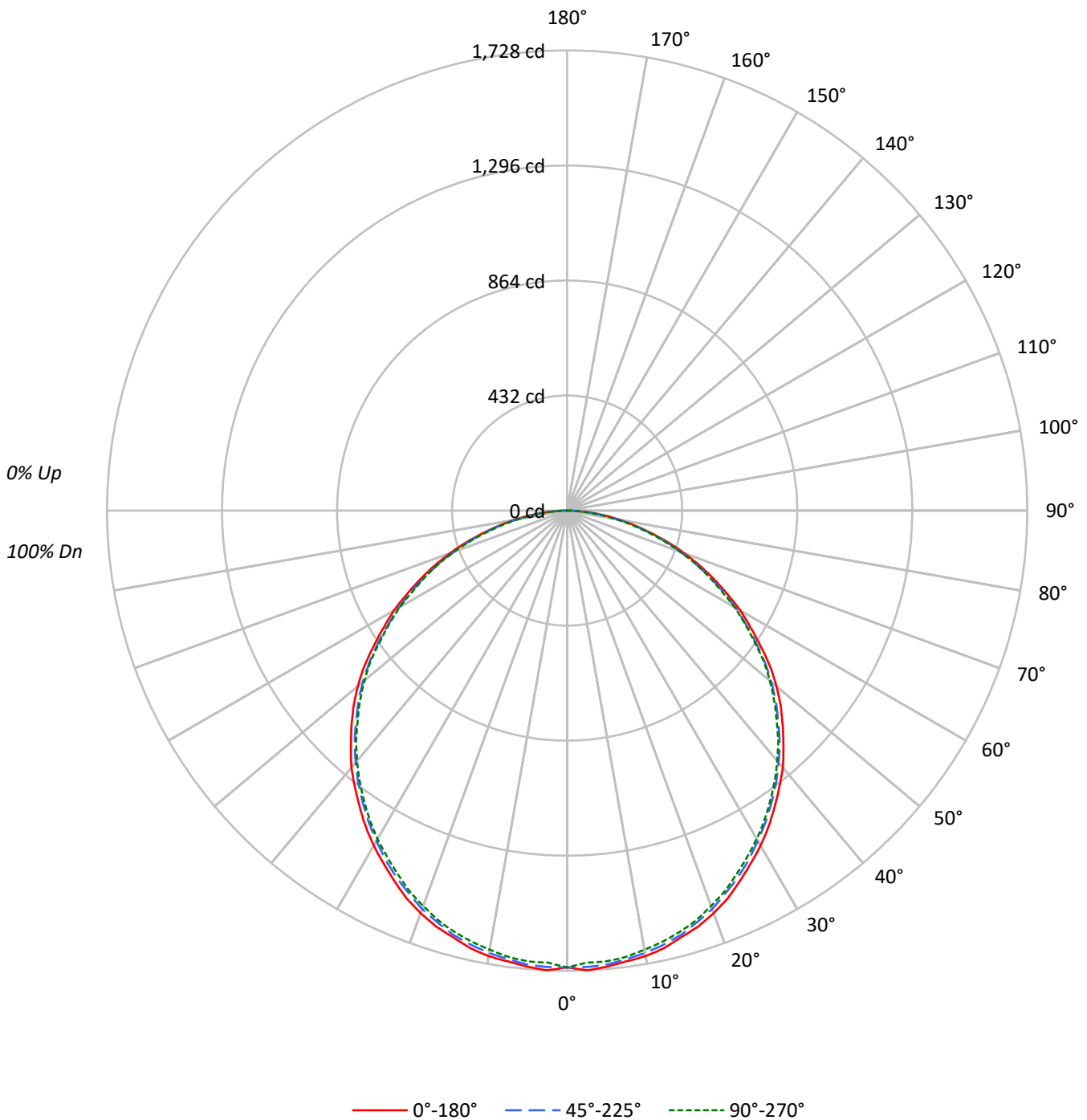
Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1901-099-1)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8RBG6-SL1-L8SCT3-3500K-LO  
Description: 8FT RIBBON LED LUMINAIRE WITH 3500K LEDS AT LO LUMEN OUTPUT SETTING  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4828.0 lumens  
Efficiency: N/A  
Efficacy: 116.6 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): 41.42  
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°	4616	4616	4616
5°	4645	4623	4589
10°	4643	4609	4575
15°	4619	4596	4562
20°	4607	4560	4525
25°	4557	4508	4472
30°	4514	4450	4425
35°	4462	4395	4368
40°	4426	4339	4310
45°	4357	4263	4232
50°	4295	4192	4158
55°	4159	4062	4024
60°	4042	3932	3909
65°	3868	3762	3736
70°	3681	3552	3552
75°	3413	3328	3243
80°	3116	2989	2862
85°	2788	2408	2408



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	162.4	3.4
10°-20°	464.9	9.6
20°-30°	699.5	14.5
30°-40°	838.2	17.4
40°-50°	866.8	18.0
50°-60°	776.8	16.1
60°-70°	587.8	12.2
70°-80°	338.6	7.0
80°-90°	93.1	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°	1326.7	27.5
0°-40°	2164.9	44.8
0°-60°	3808.6	78.9
0°-90°	4828.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4828.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1715	1715	1715	1715	1715	
5°	1720	1715	1711	1703	1699	163
15°	1658	1654	1650	1642	1637	469
25°	1535	1527	1518	1506	1506	708
35°	1358	1346	1338	1330	1330	851
45°	1145	1128	1120	1112	1112	884
55°	886	870	866	858	858	794
65°	607	599	591	587	587	602
75°	328	324	320	312	312	349
85°	90	82	78	74	78	102
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1715.4	1715.4	1715.4	1715.4	1715.4
2.5°	1727.7	1719.5	1715.4	1703.1	1699.0
5°	1719.5	1715.4	1711.3	1703.1	1699.0
7.5°	1707.2	1703.1	1699.0	1694.9	1690.8
10°	1699.0	1694.9	1686.7	1678.5	1674.4
12.5°	1682.6	1674.4	1670.2	1657.9	1657.9
15°	1657.9	1653.8	1649.7	1641.5	1637.4
17.5°	1637.4	1629.2	1621.0	1616.9	1612.8
20°	1608.7	1596.4	1592.3	1584.1	1580.0
22.5°	1575.9	1563.5	1555.3	1547.1	1547.1
25°	1534.8	1526.6	1518.4	1506.1	1506.1
27.5°	1493.8	1481.5	1477.4	1465.1	1465.1
30°	1452.7	1440.4	1432.2	1424.0	1424.0
32.5°	1407.6	1395.3	1387.1	1378.9	1378.9
35°	1358.4	1346.0	1337.8	1329.6	1329.6
37.5°	1309.1	1296.8	1288.6	1276.3	1280.4
40°	1259.9	1243.5	1235.2	1227.0	1227.0
42.5°	1202.4	1190.1	1181.9	1169.6	1173.7
45°	1145.0	1128.5	1120.3	1112.1	1112.1
47.5°	1087.5	1071.1	1062.9	1054.7	1054.7
50°	1026.0	1009.5	1001.3	993.1	993.1
52.5°	960.3	943.9	935.7	931.6	931.6
55°	886.4	870.0	865.9	857.7	857.7
57.5°	816.7	804.3	796.1	796.1	792.0
60°	751.0	734.6	730.5	726.4	726.4
62.5°	677.1	668.9	660.7	656.6	652.5
65°	607.4	599.2	590.9	586.8	586.8
67.5°	537.6	529.4	521.2	521.2	521.2
70°	467.8	459.6	451.4	451.4	451.4
72.5°	398.1	389.9	385.8	381.7	381.7
75°	328.3	324.2	320.1	311.9	311.9
77.5°	262.6	258.5	254.4	250.3	246.2
80°	201.1	197.0	192.9	184.7	184.7
82.5°	143.6	135.4	135.4	127.2	127.2
85°	90.3	82.1	78.0	73.9	78.0
87.5°	41.0	36.9	32.8	28.7	28.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)