

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-L8SCT3-4000K-LO**

Issue Date: 3/3/2020



**Test Information**

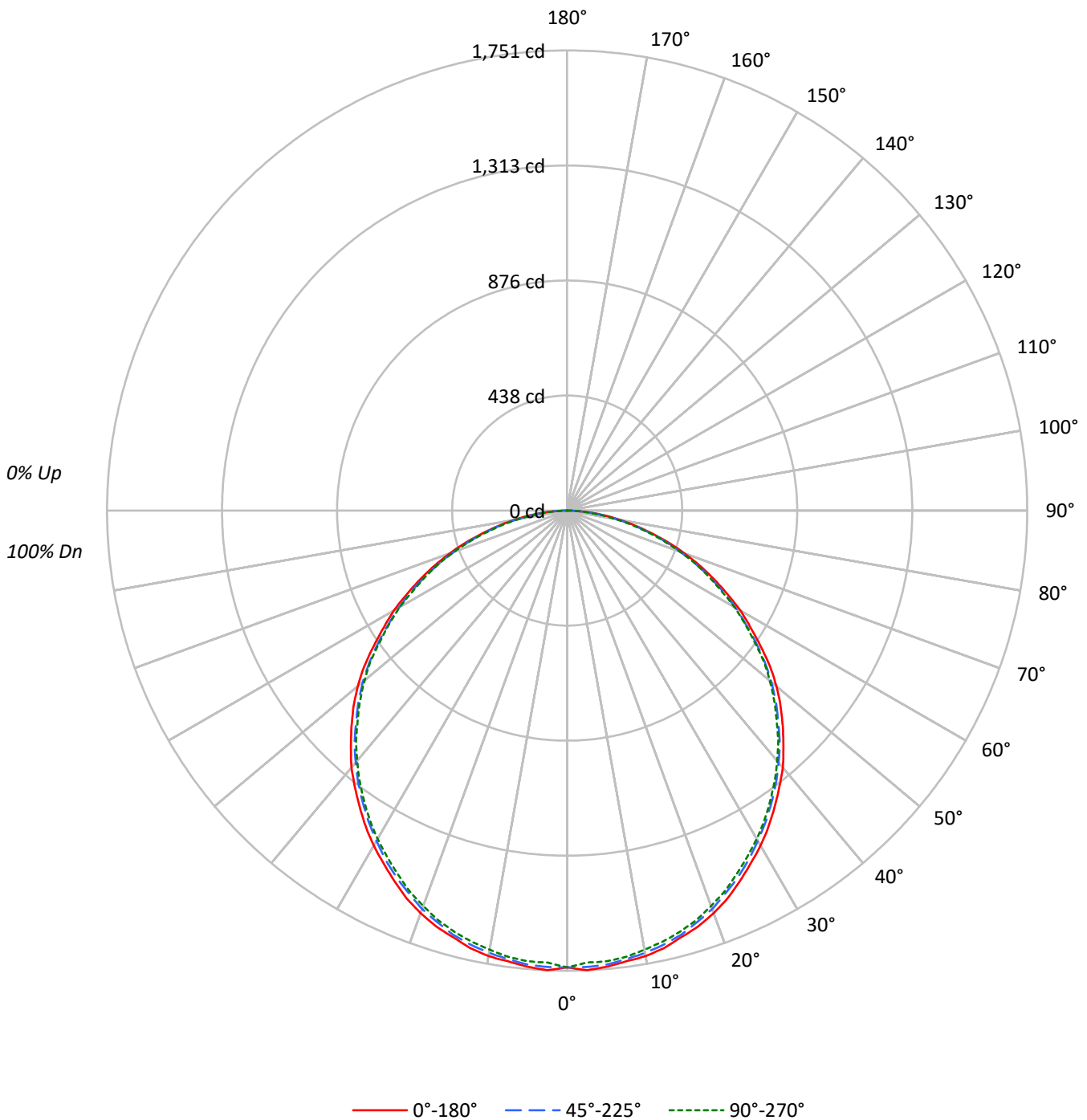
Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1901-099-1)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8RBG6-SL1-L8SCT3-4000K-LO  
Description: 8FT RIBBON LED LUMINAIRE WITH 4000K LEDS AT LO LUMEN OUTPUT SETTING  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4892.0 lumens  
Efficiency: N/A  
Efficacy: 118.1 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

TEST NUMBER: P#  
CATALOG NUMBER: 8RBG6-SL1-L8SCT3-4000K-LO

### Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 8RBG6-SL1-L8SCT3-4000K-LO

**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°	4677	4677	4677
5°	4706	4684	4650
10°	4704	4670	4636
15°	4680	4657	4622
20°	4668	4620	4584
25°	4618	4568	4531
30°	4574	4509	4483
35°	4522	4453	4426
40°	4484	4397	4367
45°	4415	4320	4289
50°	4352	4248	4213
55°	4214	4116	4077
60°	4096	3984	3961
65°	3918	3813	3786
70°	3729	3599	3599
75°	3459	3372	3285
80°	3158	3028	2899
85°	2825	2439	2439



TEST NUMBER: P#

CATALOG NUMBER: 8RBG6-SL1-L8SCT3-4000K-LO

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	164.5	3.4
10°-20°	471.0	9.6
20°-30°	708.7	14.5
30°-40°	849.3	17.4
40°-50°	878.4	18.0
50°-60°	787.1	16.1
60°-70°	595.6	12.2
70°-80°	343.0	7.0
80°-90°	94.3	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°	1344.3	27.5
0°-40°	2193.7	44.8
0°-60°	3859.1	78.9
0°-90°	4892.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4892.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1738	1738	1738	1738	1738	
5°	1742	1738	1734	1726	1722	166
15°	1680	1676	1672	1663	1659	475
25°	1555	1547	1538	1526	1526	717
35°	1376	1364	1356	1347	1347	862
45°	1160	1144	1135	1127	1127	896
55°	898	882	877	869	869	805
65°	615	607	599	595	595	610
75°	333	328	324	316	316	354
85°	92	83	79	75	79	104
90°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: 8RBG6-SL1-L8SCT3-4000K-LO

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1738.1	1738.1	1738.1	1738.1	1738.1
2.5°	1750.6	1742.3	1738.1	1725.7	1721.5
5°	1742.3	1738.1	1734.0	1725.7	1721.5
7.5°	1729.8	1725.7	1721.5	1717.3	1713.2
10°	1721.5	1717.3	1709.0	1700.7	1696.5
12.5°	1704.9	1696.5	1692.4	1679.9	1679.9
15°	1679.9	1675.8	1671.6	1663.3	1659.1
17.5°	1659.1	1650.8	1642.5	1638.3	1634.2
20°	1630.0	1617.5	1613.4	1605.1	1600.9
22.5°	1596.7	1584.3	1576.0	1567.6	1567.6
25°	1555.2	1546.9	1538.5	1526.1	1526.1
27.5°	1513.6	1501.1	1497.0	1484.5	1484.5
30°	1472.0	1459.5	1451.2	1442.9	1442.9
32.5°	1426.3	1413.8	1405.5	1397.2	1397.2
35°	1376.4	1363.9	1355.6	1347.3	1347.3
37.5°	1326.5	1314.0	1305.7	1293.2	1297.4
40°	1276.6	1259.9	1251.6	1243.3	1243.3
42.5°	1218.4	1205.9	1197.6	1185.1	1189.2
45°	1160.1	1143.5	1135.2	1126.9	1126.9
47.5°	1101.9	1085.3	1077.0	1068.7	1068.7
50°	1039.6	1022.9	1014.6	1006.3	1006.3
52.5°	973.0	956.4	948.1	943.9	943.9
55°	898.2	881.5	877.4	869.1	869.1
57.5°	827.5	815.0	806.7	806.7	802.5
60°	761.0	744.3	740.2	736.0	736.0
62.5°	686.1	677.8	669.5	665.3	661.2
65°	615.4	607.1	598.8	594.6	594.6
67.5°	544.7	536.4	528.1	528.1	528.1
70°	474.0	465.7	457.4	457.4	457.4
72.5°	403.3	395.0	390.9	386.7	386.7
75°	332.7	328.5	324.3	316.0	316.0
77.5°	266.1	262.0	257.8	253.7	249.5
80°	203.8	199.6	195.4	187.1	187.1
82.5°	145.5	137.2	137.2	128.9	128.9
85°	91.5	83.2	79.0	74.8	79.0
87.5°	41.6	37.4	33.3	29.1	29.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)