

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: G2-1901-099-7

Luminaire Tested: **2RBG6-SL1-L8SCT3-4000K-LO**

Test Date: 03/12/19



**Test Information**

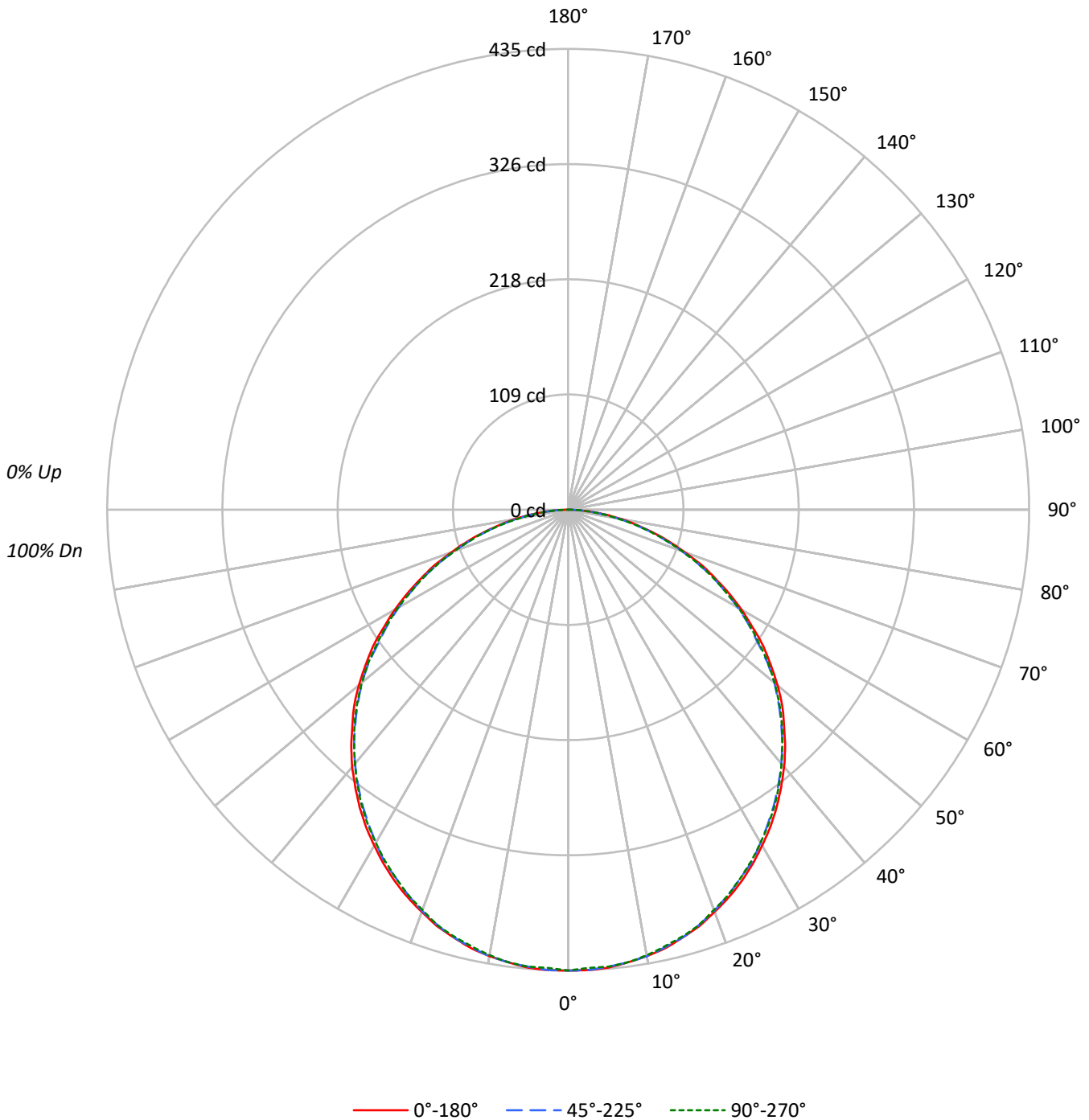
Test Method: LM-79-08  
Report Number: G2-1901-099-7  
Test Lab: INNOVATION CENTER(G2)  
Test Date: 03/12/19  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 2RBG6-SL1-L8SCT3-4000K-LO  
Description: 2FT SELECTABLE RIBBON, LOW LUMEN 4000K  
Light Source: (224) SEOUL 4000K 80 CRI LEDS  
2835  
Ballast/Driver: (1) LEEDARSON DRIVER @200mA  
RP5-PWIO023C0450M-2

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1223.4 lumens  
Efficiency: N/A  
Efficacy: 113.3 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.36  
Luminous Opening: Rectangular (W 0.88' x L: 1.38' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 10.8  
Input Voltage (V): 120.0  
Input Current (Ain): 0.0900  
Voltage Rise (V): NR  
Power Factor: 0.9931  
Total Harmonic Distortion (THDi): 9.08%  
Frequency (hertz): 60  
Stabilization Time: 0.5 HR  
Operation Time: 24 HR  
Ambient Temperature (°C): 24.9  
Test Distance: 25 FT

TEST NUMBER: G2-1901-099-7  
CATALOG NUMBER: 2RBG6-SL1-L8SCT3-4000K-LO

### Luminous Intensity Polar Plot





TEST NUMBER: G2-1901-099-7

CATALOG NUMBER: 2RBG6-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	91	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°	3892	3892	3892
5°	3898	3889	3889
10°	3888	3888	3879
15°	3872	3872	3862
20°	3846	3837	3827
25°	3820	3791	3791
30°	3781	3750	3750
35°	3746	3702	3713
40°	3702	3656	3656
45°	3644	3593	3606
50°	3591	3535	3535
55°	3510	3400	3432
60°	3382	3310	3328
65°	3239	3175	3175
70°	3061	2982	2982
75°	2835	2765	2765
80°	2628	2473	2422
85°	2258	2053	2053



TEST NUMBER: G2-1901-099-7

CATALOG NUMBER: 2RBG6-SL1-L8SCT3-4000K-LO

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	41.1	3.4
10°-20°	117.7	9.6
20°-30°	177.2	14.5
30°-40°	212.5	17.4
40°-50°	219.8	18.0
50°-60°	197.1	16.1
60°-70°	148.9	12.2
70°-80°	85.5	7.0
80°-90°	23.6	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°	336.0	27.5
0°-40°	548.5	44.8
0°-60°	965.4	78.9
0°-90°	1223.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1223.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	435	435	435	435	435	
5°	434	432	433	433	433	41
15°	418	417	418	417	417	118
25°	387	384	384	384	384	178
35°	343	340	339	338	340	214
45°	288	286	284	284	285	223
55°	225	221	218	219	220	200
65°	153	151	150	150	150	152
75°	82	82	80	80	80	88
85°	22	21	20	19	20	25
90°	0	0	0	0	0	



TEST NUMBER: G2-1901-099-7

CATALOG NUMBER: 2RBG6-SL1-L8SCT3-4000K-LO

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	435	435	435	435	435
2.5°	435	434	435	433	433
5°	434	432	433	433	433
7.5°	431	430	431	431	431
10°	428	427	428	426	427
12.5°	424	423	423	422	422
15°	418	417	418	417	417
17.5°	412	410	411	410	411
20°	404	402	403	402	402
22.5°	396	394	394	393	394
25°	387	384	384	384	384
27.5°	377	374	375	374	374
30°	366	364	363	363	363
32.5°	355	352	351	351	352
35°	343	340	339	338	340
37.5°	330	327	326	326	327
40°	317	314	313	312	313
42.5°	303	300	299	298	299
45°	288	286	284	284	285
47.5°	274	270	269	269	270
50°	258	255	254	253	254
52.5°	241	239	237	237	238
55°	225	221	218	219	220
57.5°	206	203	202	202	203
60°	189	186	185	185	186
62.5°	171	169	167	168	167
65°	153	151	150	150	150
67.5°	136	133	132	132	132
70°	117	115	114	114	114
72.5°	100	99	97	97	97
75°	82	82	80	80	80
77.5°	66	65	64	63	63
80°	51	49	48	47	47
82.5°	36	35	34	33	33
85°	22	21	20	19	20
87.5°	9	9	8	7	8
90°	0	0	0	0	0

(END OF REPORT)