

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: G2-1901-099-8

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

Test Date: 03/12/19



**Test Information**

Test Method: LM-79-08  
Report Number: G2-1901-099-8  
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-MID  
Description: 2FT SELECTABLE RIBBON, MID LUMEN 4000K  
Light Source: (224) SEOUL 4000K 80 CRI LEDS  
2835  
Ballast/Driver: (1) LEEDARSON DRIVER @300mA  
RP5-PWIO023C0450M-2

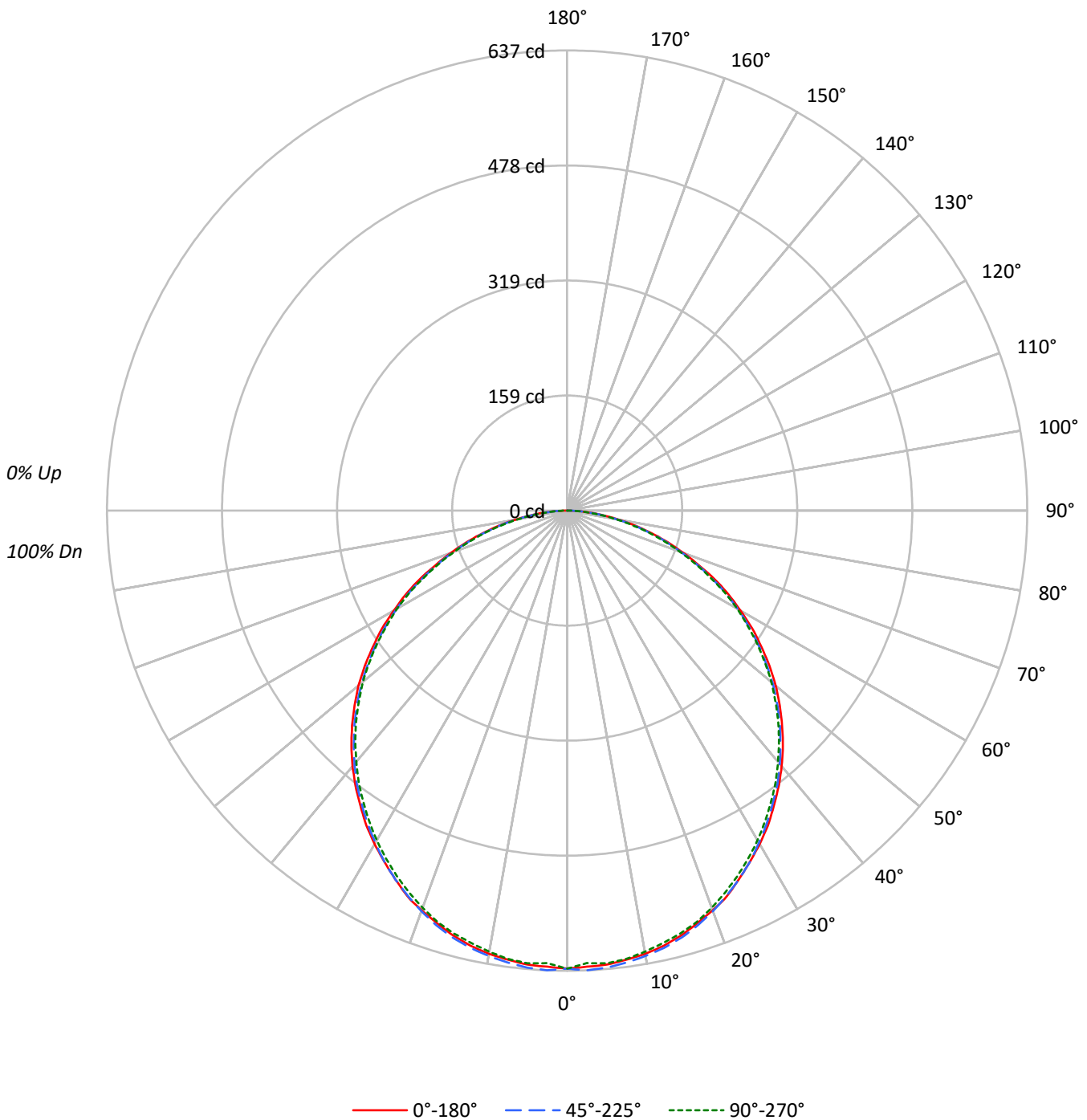
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1790.4 lumens  
Efficiency: N/A  
Efficacy: 111.9 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.36  
Luminous Opening: Rectangular (W 0.5' x L: 2' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 16  
Input Voltage (V): 120.0  
Input Current (Ain): 0.134  
Voltage Rise (V): NR  
Power Factor: 0.9951  
Total Harmonic Distortion (THDi): 8.82%  
Frequency (hertz): 60  
Stabilization Time: 0.5 HR  
Operation Time: 24 HR  
Ambient Temperature (°C): 24.9  
Test Distance: 25 FT

TEST NUMBER: G2-1901-099-8

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

### Luminous Intensity Polar Plot





TEST NUMBER: G2-1901-099-8

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

**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	66	62	69	65	61	59
4	82	70	61	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	50	44	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	43	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°	6824	6824	6824
5°	6818	6861	6796
10°	6809	6842	6777
15°	6786	6820	6753
20°	6747	6758	6701
25°	6687	6687	6627
30°	6625	6600	6550
35°	6557	6518	6465
40°	6492	6435	6379
45°	6409	6333	6287
50°	6313	6213	6179
55°	6155	6062	6024
60°	5963	5877	5856
65°	5756	5603	5552
70°	5382	5287	5224
75°	5032	4907	4824
80°	4525	4401	4215
85°	3829	3582	3458



TEST NUMBER: G2-1901-099-8

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

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	60.1	3.4
10°-20°	172.0	9.6
20°-30°	258.9	14.5
30°-40°	310.2	17.3
40°-50°	320.9	17.9
50°-60°	289.3	16.2
60°-70°	219.1	12.2
70°-80°	125.4	7.0
80°-90°	34.4	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°	491.1	27.4
0°-40°	801.3	44.8
0°-60°	1411.5	78.8
0°-90°	1790.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1790.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	634	634	634	634	634	
5°	631	632	635	634	629	60
15°	609	610	612	611	606	172
25°	563	562	563	562	558	260
35°	499	496	496	495	492	312
45°	421	417	416	414	413	325
55°	328	325	323	324	321	293
65°	226	223	220	220	218	222
75°	121	120	118	117	116	128
85°	31	31	29	29	28	36
90°	0	0	0	0	0	



TEST NUMBER: G2-1901-099-8

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

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	634	634	634	634	634
2.5°	632	635	637	635	627
5°	631	632	635	634	629
7.5°	627	628	631	631	626
10°	623	625	626	626	620
12.5°	617	618	620	618	613
15°	609	610	612	611	606
17.5°	599	600	602	601	597
20°	589	589	590	589	585
22.5°	578	576	577	576	572
25°	563	562	563	562	558
27.5°	548	547	548	547	543
30°	533	531	531	530	527
32.5°	517	514	514	513	510
35°	499	496	496	495	492
37.5°	481	478	478	476	474
40°	462	459	458	456	454
42.5°	442	439	437	436	434
45°	421	417	416	414	413
47.5°	399	395	394	392	391
50°	377	372	371	370	369
52.5°	353	348	347	347	345
55°	328	325	323	324	321
57.5°	304	300	298	298	296
60°	277	275	273	273	272
62.5°	252	250	247	248	246
65°	226	223	220	220	218
67.5°	197	196	194	194	192
70°	171	170	168	168	166
72.5°	146	145	143	143	140
75°	121	120	118	117	116
77.5°	97	96	94	93	91
80°	73	72	71	69	68
82.5°	51	51	49	48	48
85°	31	31	29	29	28
87.5°	13	13	12	12	11
90°	0	0	0	0	0

(END OF REPORT)