

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: G2-1901-099-1

Luminaire Tested: **2RBG6-SL1-L8SCT3-3000K-LO**

Test Date: 03/11/19



**Test Information**

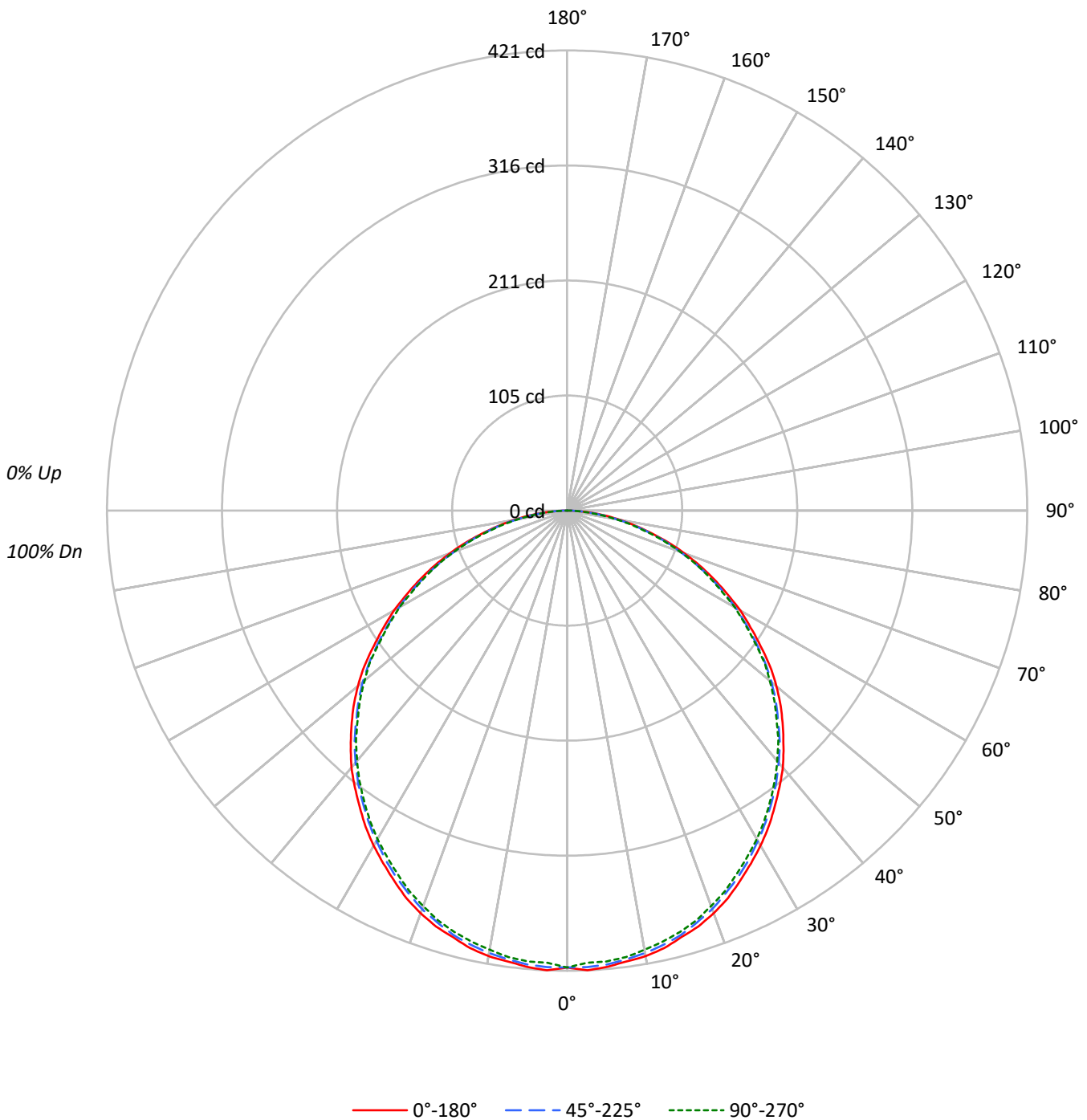
Test Method: LM-79-08  
Report Number: G2-1901-099-1  
Test Lab: INNOVATION CENTER(G2)  
Test Date: 03/11/19  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 2RBG6-SL1-L8SCT3-3000K-LO  
Description: 2FT SELECTABLE RIBBON, LOW LUMEN 3000K  
Light Source: (224) SEOUL 3000K 80 CRI LEDS  
2835  
Ballast/Driver: (1) LEEDARSON DRIVER @200mA  
RP5-PWIO023C0450M-2

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1176.5 lumens  
Efficiency: N/A  
Efficacy: 107.9 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.36  
Luminous Opening: Rectangular (W 0.5' x L: 2' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 10.9  
Input Voltage (V): 120.0  
Input Current (Ain): 0.0910  
Voltage Rise (V): NR  
Power Factor: 0.9934  
Total Harmonic Distortion (THDi): 8.99%  
Frequency (hertz): 60  
Stabilization Time: 0.5 HR  
Operation Time: 24 HR  
Ambient Temperature (°C): 25.0  
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°	4499	4499	4499
5°	4527	4506	4473
10°	4525	4492	4459
15°	4502	4480	4446
20°	4490	4444	4410
25°	4442	4394	4359
30°	4400	4338	4313
35°	4349	4284	4257
40°	4314	4229	4201
45°	4247	4156	4125
50°	4186	4086	4052
55°	4054	3960	3922
60°	3940	3832	3810
65°	3769	3668	3642
70°	3588	3462	3462
75°	3327	3244	3161
80°	3037	2913	2789
85°	2717	2347	2347



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	39.6	3.4
10°-20°	113.3	9.6
20°-30°	170.4	14.5
30°-40°	204.3	17.4
40°-50°	211.2	18.0
50°-60°	189.3	16.1
60°-70°	143.2	12.2
70°-80°	82.5	7.0
80°-90°	22.7	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°	323.3	27.5
0°-40°	527.5	44.8
0°-60°	928.1	78.9
0°-90°	1176.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1176.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	418	418	418	418	418	
5°	419	418	417	415	414	40
15°	404	403	402	400	399	114
25°	374	372	370	367	367	172
35°	331	328	326	324	324	207
45°	279	275	273	271	271	215
55°	216	212	211	209	209	194
65°	148	146	144	143	143	147
75°	80	79	78	76	76	85
85°	22	20	19	18	19	25
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	418	418	418	418	418
2.5°	421	419	418	415	414
5°	419	418	417	415	414
7.5°	416	415	414	413	412
10°	414	413	411	409	408
12.5°	410	408	407	404	404
15°	404	403	402	400	399
17.5°	399	397	395	394	393
20°	392	389	388	386	385
22.5°	384	381	379	377	377
25°	374	372	370	367	367
27.5°	364	361	360	357	357
30°	354	351	349	347	347
32.5°	343	340	338	336	336
35°	331	328	326	324	324
37.5°	319	316	314	311	312
40°	307	303	301	299	299
42.5°	293	290	288	285	286
45°	279	275	273	271	271
47.5°	265	261	259	257	257
50°	250	246	244	242	242
52.5°	234	230	228	227	227
55°	216	212	211	209	209
57.5°	199	196	194	194	193
60°	183	179	178	177	177
62.5°	165	163	161	160	159
65°	148	146	144	143	143
67.5°	131	129	127	127	127
70°	114	112	110	110	110
72.5°	97	95	94	93	93
75°	80	79	78	76	76
77.5°	64	63	62	61	60
80°	49	48	47	45	45
82.5°	35	33	33	31	31
85°	22	20	19	18	19
87.5°	10	9	8	7	7
90°	0	0	0	0	0

(END OF REPORT)