

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: G2-1901-099-12

Luminaire Tested: **4RBG6-SL1-L8SCT3-3000K-HI**

Test Date: 03/14/19



**Test Information**

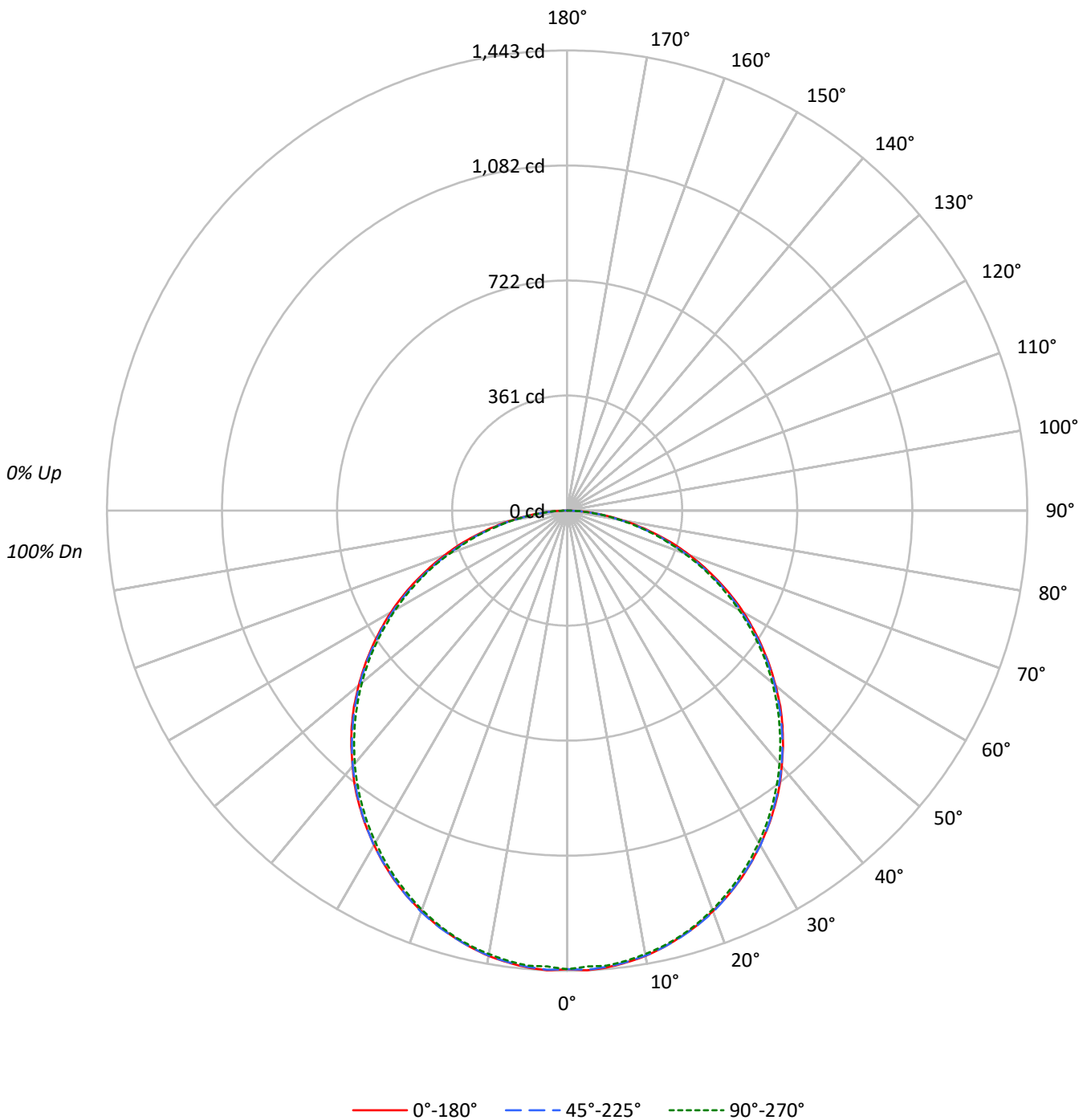
Test Method: LM-79-08  
Report Number: G2-1901-099-12  
Test Lab: INNOVATION CENTER(G2)  
Test Date: 03/14/19  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4RBG6-SL1-L8SCT3-3000K-HI  
Description: 4FT SELECTABLE RIBBON, HI LUMEN 3000K  
Light Source: (420) SEOUL 3000K 80 CRI LEDS  
2835  
Ballast/Driver: (1) LEEDARSON DRIVER @800mA  
RP5-PWIO043C0800M-2

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4099.9 lumens  
Efficiency: N/A  
Efficacy: 113.6 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.37  
Luminous Opening: Rectangular (W 0.5' x L: 4' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 36.1  
Input Voltage (V): 120.0  
Input Current (Ain): 0.302  
Voltage Rise (V): NR  
Power Factor: 0.9963  
Total Harmonic Distortion (THDi): 8.04%  
Frequency (hertz): 60  
Stabilization Time: 0.5 HR  
Operation Time: 24 HR  
Ambient Temperature (°C): 24.9  
Test Distance: 25 FT

TEST NUMBER: G2-1901-099-12  
CATALOG NUMBER: 4RBG6-SL1-L8SCT3-3000K-HI

### Luminous Intensity Polar Plot





TEST NUMBER: G2-1901-099-12

CATALOG NUMBER: 4RBG6-SL1-L8SCT3-3000K-HI

**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	99	95	106	101	97	94	97	94	91	93	91	88	90	87	85	83
2	99	90	83	77	96	88	82	77	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	78	70	64	75	68	63	72	66	61	69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53	64	58	52	62	56	52	50
5	76	63	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33
8	60	47	38	32	59	46	38	32	44	37	32	43	36	32	42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	29	40	33	28	39	33	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	7739	7739	7739
5°	7769	7758	7736
10°	7749	7744	7717
15°	7706	7711	7689
20°	7657	7669	7629
25°	7601	7595	7554
30°	7526	7532	7470
35°	7451	7437	7378
40°	7356	7349	7279
45°	7269	7238	7162
50°	7142	7117	7033
55°	7009	6962	6878
60°	6867	6781	6695
65°	6673	6546	6457
70°	6420	6231	6137
75°	6072	5864	5760
80°	5548	5269	5207
85°	4878	4508	4323



TEST NUMBER: G2-1901-099-12

CATALOG NUMBER: 4RBG6-SL1-L8SCT3-3000K-HI

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	136.1	3.3
10°-20°	389.1	9.5
20°-30°	587.0	14.3
30°-40°	704.9	17.2
40°-50°	730.0	17.8
50°-60°	661.3	16.1
60°-70°	508.4	12.4
70°-80°	298.2	7.3
80°-90°	84.9	2.1
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°	1112.2	27.1
0°-40°	1817.1	44.3
0°-60°	3208.4	78.3
0°-90°	4099.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4099.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1438	1438	1438	1438	1438	
5°	1438	1429	1436	1428	1432	137
15°	1383	1375	1384	1376	1380	390
25°	1280	1272	1279	1268	1272	590
35°	1134	1126	1132	1120	1123	709
45°	955	949	951	939	941	736
55°	747	745	742	732	733	668
65°	524	519	514	506	507	518
75°	292	286	282	277	277	309
85°	79	76	73	72	70	90
90°	0	0	0	0	0	



TEST NUMBER: G2-1901-099-12

CATALOG NUMBER: 4RBG6-SL1-L8SCT3-3000K-HI

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1438	1438	1438	1438	1438
2.5°	1443	1433	1441	1434	1431
5°	1438	1429	1436	1428	1432
7.5°	1429	1421	1428	1420	1424
10°	1418	1409	1417	1409	1412
12.5°	1402	1394	1402	1393	1398
15°	1383	1375	1384	1376	1380
17.5°	1362	1354	1363	1356	1358
20°	1337	1330	1339	1328	1332
22.5°	1310	1303	1310	1299	1303
25°	1280	1272	1279	1268	1272
27.5°	1247	1239	1246	1234	1238
30°	1211	1204	1212	1198	1202
32.5°	1174	1166	1173	1160	1164
35°	1134	1126	1132	1120	1123
37.5°	1093	1086	1090	1077	1081
40°	1047	1041	1046	1033	1036
42.5°	1002	996	999	987	989
45°	955	949	951	939	941
47.5°	906	899	901	888	891
50°	853	850	850	838	840
52.5°	801	799	797	786	788
55°	747	745	742	732	733
57.5°	693	691	687	677	678
60°	638	635	630	621	622
62.5°	582	578	573	564	565
65°	524	519	514	506	507
67.5°	466	460	456	450	450
70°	408	401	396	392	390
72.5°	352	344	338	334	332
75°	292	286	282	277	277
77.5°	233	228	224	220	220
80°	179	175	170	168	168
82.5°	127	124	120	118	118
85°	79	76	73	72	70
87.5°	36	33	30	29	31
90°	0	0	0	0	0

(END OF REPORT)