

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: G2-1901-099-18

Luminaire Tested: **4RBG6-SL1-L8SCT3-4000K-HI**

Test Date: 03/13/19



Test Information

Test Method: LM-79-08
Report Number: G2-1901-099-18
Test Lab: INNOVATION CENTER(G2)
Test Date: 03/13/19
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4RBG6-SL1-L8SCT3-4000K-HI
Description: 4FT SELECTABLE RIBBON, HI LUMEN 4000K
Light Source: (420) SEOUL 4000K 80 CRI LEDS
2835
Ballast/Driver: (1) LEEDARSON DRIVER @800mA
RP5-PWIO043C0800M-2

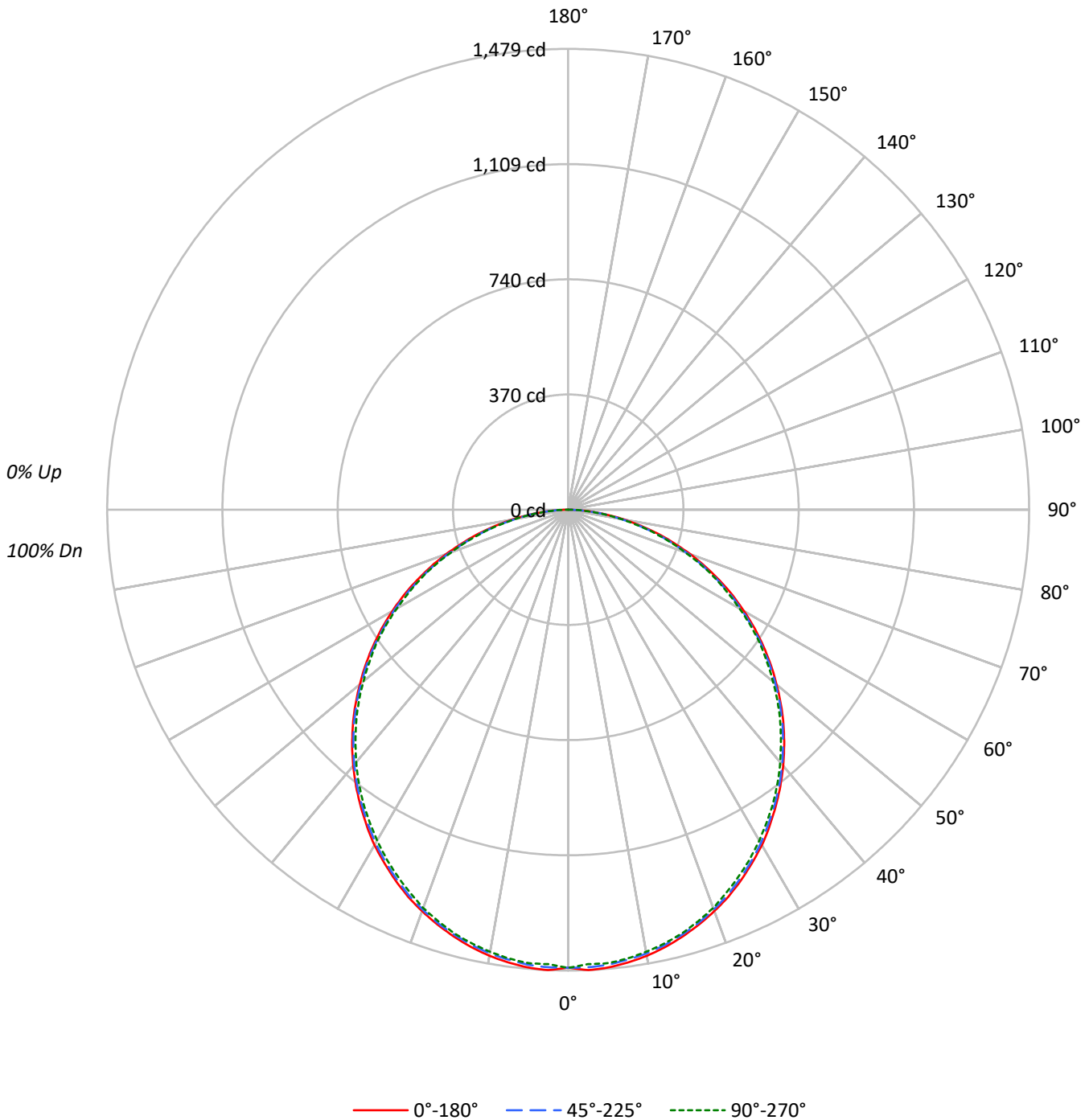
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4194.8 lumens
Efficiency: N/A
Efficacy: 116.8 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): 35.9
Input Voltage (V): 120.0
Input Current (Ain): 0.300
Voltage Rise (V): NR
Power Factor: 0.9963
Total Harmonic Distortion (THDi): 8.05%
Frequency (hertz): 60
Stabilization Time: 0.5 HR
Operation Time: 24 HR
Ambient Temperature (°C): 25.0
Test Distance: 25 FT

TEST NUMBER: G2-1901-099-18
CATALOG NUMBER: 4RBG6-SL1-L8SCT3-4000K-HI

Luminous Intensity Polar Plot





TEST NUMBER: G2-1901-099-18

CATALOG NUMBER: 4RBG6-SL1-L8SCT3-4000K-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°	7911	7911	7911
5°	7969	7920	7893
10°	7946	7902	7875
15°	7901	7867	7845
20°	7852	7824	7789
25°	7791	7755	7702
30°	7725	7681	7619
35°	7628	7589	7536
40°	7539	7503	7433
45°	7436	7398	7322
50°	7309	7259	7184
55°	7178	7112	7056
60°	7018	6921	6835
65°	6813	6673	6622
70°	6546	6357	6263
75°	6197	5968	5906
80°	5641	5393	5331
85°	5002	4570	4446



TEST NUMBER: G2-1901-099-18

CATALOG NUMBER: 4RBG6-SL1-L8SCT3-4000K-HI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.1	3.3
10°-20°	398.0	9.5
20°-30°	600.5	14.3
30°-40°	721.3	17.2
40°-50°	747.4	17.8
50°-60°	677.0	16.1
60°-70°	520.3	12.4
70°-80°	304.6	7.3
80°-90°	86.5	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°	1137.7	27.1
0°-40°	1858.9	44.3
0°-60°	3283.3	78.3
0°-90°	4194.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4194.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1470	1470	1470	1470	1470	
5°	1475	1459	1466	1465	1461	140
15°	1418	1406	1412	1412	1408	400
25°	1312	1301	1306	1300	1297	605
35°	1161	1153	1155	1149	1147	727
45°	977	973	972	963	962	753
55°	765	764	758	752	752	684
65°	535	531	524	521	520	529
75°	298	292	287	284	284	314
85°	81	78	74	72	72	92
90°	0	0	0	0	0	



TEST NUMBER: G2-1901-099-18

CATALOG NUMBER: 4RBG6-SL1-L8SCT3-4000K-HI

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1470	1470	1470	1470	1470
2.5°	1479	1464	1470	1470	1460
5°	1475	1459	1466	1465	1461
7.5°	1466	1451	1457	1456	1453
10°	1454	1440	1446	1444	1441
12.5°	1438	1425	1431	1429	1426
15°	1418	1406	1412	1412	1408
17.5°	1396	1385	1391	1390	1385
20°	1371	1360	1366	1362	1360
22.5°	1344	1332	1338	1332	1329
25°	1312	1301	1306	1300	1297
27.5°	1278	1268	1272	1266	1263
30°	1243	1232	1236	1229	1226
32.5°	1203	1194	1196	1189	1187
35°	1161	1153	1155	1149	1147
37.5°	1118	1112	1113	1106	1104
40°	1073	1067	1068	1059	1058
42.5°	1026	1021	1020	1011	1010
45°	977	973	972	963	962
47.5°	926	923	921	913	911
50°	873	871	867	859	858
52.5°	820	819	813	806	804
55°	765	764	758	752	752
57.5°	709	708	701	696	695
60°	652	650	643	638	635
62.5°	594	592	584	580	576
65°	535	531	524	521	520
67.5°	476	472	465	462	461
70°	416	412	404	401	398
72.5°	356	352	345	342	342
75°	298	292	287	284	284
77.5°	238	233	227	225	225
80°	182	179	174	171	172
82.5°	130	127	123	120	120
85°	81	78	74	72	72
87.5°	36	34	31	29	29
90°	0	0	0	0	0

(END OF REPORT)