

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: G2-1901-099-17

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

Test Date: 03/13/19



Test Information

Test Method: LM-79-08
Report Number: G2-1901-099-17
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-MID
Description: 4FT SELECTABLE RIBBON, MID LUMEN 4000K
Light Source: (420) SEOUL 4000K 80 CRI LEDS
2835
Ballast/Driver: (1) LEEDARSON DRIVER @600mA
RP5-PWIO043C0800M-2

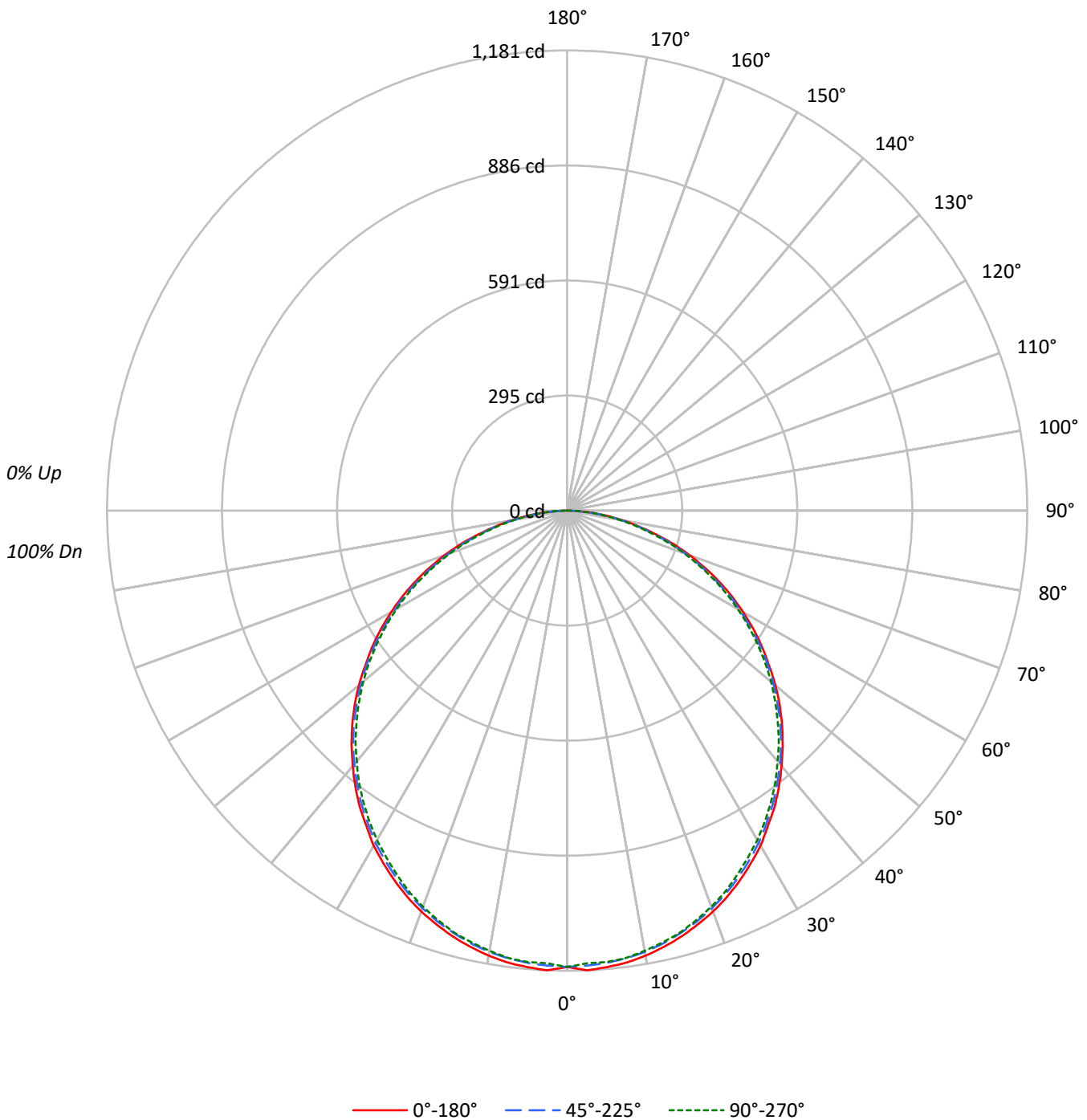
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3338.8 lumens
Efficiency: N/A
Efficacy: 121.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.37
Luminous Opening: Rectangular (W 0.5' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 27.5
Input Voltage (V): 120.0
Input Current (Ain): 0.230
Voltage Rise (V): NR
Power Factor: 0.9964
Total Harmonic Distortion (THDi): 7.85%
Frequency (hertz): 60
Stabilization Time: 0.5 HR
Operation Time: 24 HR
Ambient Temperature (°C): 25.0
Test Distance: 25 FT

TEST NUMBER: G2-1901-099-17
CATALOG NUMBER: 4RBG6-SL1-L8SCT3-4000K-MID

Luminous Intensity Polar Plot





TEST NUMBER: G2-1901-099-17

CATALOG NUMBER: 4RBG6-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	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°	6302	6302	6302
5°	6353	6294	6283
10°	6339	6285	6268
15°	6307	6257	6246
20°	6271	6220	6197
25°	6223	6170	6128
30°	6171	6115	6065
35°	6097	6045	5992
40°	6014	5972	5902
45°	5937	5891	5815
50°	5844	5786	5719
55°	5733	5667	5592
60°	5619	5511	5447
65°	5463	5323	5259
70°	5256	5098	5004
75°	4887	4741	4616
80°	4494	4339	4215
85°	3952	3705	3520



TEST NUMBER: G2-1901-099-17

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.7	3.3
10°-20°	316.7	9.5
20°-30°	477.9	14.3
30°-40°	573.8	17.2
40°-50°	594.6	17.8
50°-60°	538.5	16.1
60°-70°	414.6	12.4
70°-80°	242.8	7.3
80°-90°	69.1	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°	905.3	27.1
0°-40°	1479.2	44.3
0°-60°	2612.4	78.2
0°-90°	3338.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3338.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1171	1171	1171	1171	1171	
5°	1176	1162	1165	1165	1163	112
15°	1132	1118	1123	1124	1121	319
25°	1048	1035	1039	1034	1032	483
35°	928	916	920	914	912	580
45°	780	772	774	766	764	602
55°	611	606	604	598	596	546
65°	429	422	418	414	413	424
75°	235	230	228	225	222	250
85°	64	62	60	57	57	72
90°	0	0	0	0	0	



TEST NUMBER: G2-1901-099-17

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

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1171	1171	1171	1171	1171
2.5°	1181	1166	1169	1169	1163
5°	1176	1162	1165	1165	1163
7.5°	1170	1155	1159	1159	1158
10°	1160	1145	1150	1149	1147
12.5°	1147	1133	1138	1137	1135
15°	1132	1118	1123	1124	1121
17.5°	1114	1101	1106	1106	1102
20°	1095	1080	1086	1084	1082
22.5°	1073	1059	1064	1059	1059
25°	1048	1035	1039	1034	1032
27.5°	1021	1007	1012	1008	1004
30°	993	979	984	978	976
32.5°	959	948	952	947	945
35°	928	916	920	914	912
37.5°	893	882	885	879	878
40°	856	847	850	843	840
42.5°	819	810	813	806	804
45°	780	772	774	766	764
47.5°	740	733	732	726	724
50°	698	691	691	684	683
52.5°	653	650	648	641	640
55°	611	606	604	598	596
57.5°	567	562	558	553	551
60°	522	515	512	507	506
62.5°	476	469	468	461	460
65°	429	422	418	414	413
67.5°	382	376	371	368	365
70°	334	327	324	320	318
72.5°	286	280	277	274	271
75°	235	230	228	225	222
77.5°	189	186	183	181	178
80°	145	143	140	137	136
82.5°	102	101	99	97	95
85°	64	62	60	57	57
87.5°	28	27	25	23	23
90°	0	0	0	0	0

(END OF REPORT)