

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: G2-1901-099-14

Luminaire Tested: **4RBG6-SL1-L8SCT3-3500K-MID**

Test Date: 03/14/19



**Test Information**

Test Method: LM-79-08  
Report Number: G2-1901-099-14  
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-L8SCT3-3500K-MID  
Description: 4FT SELECTABLE RIBBON, MID LUMEN 3500K  
Light Source: (420) SEOUL 3500K 80 CRI LEDS  
2835  
Ballast/Driver: (1) LEEDARSON DRIVER @600mA  
RP5-PWIO043C0800M-2

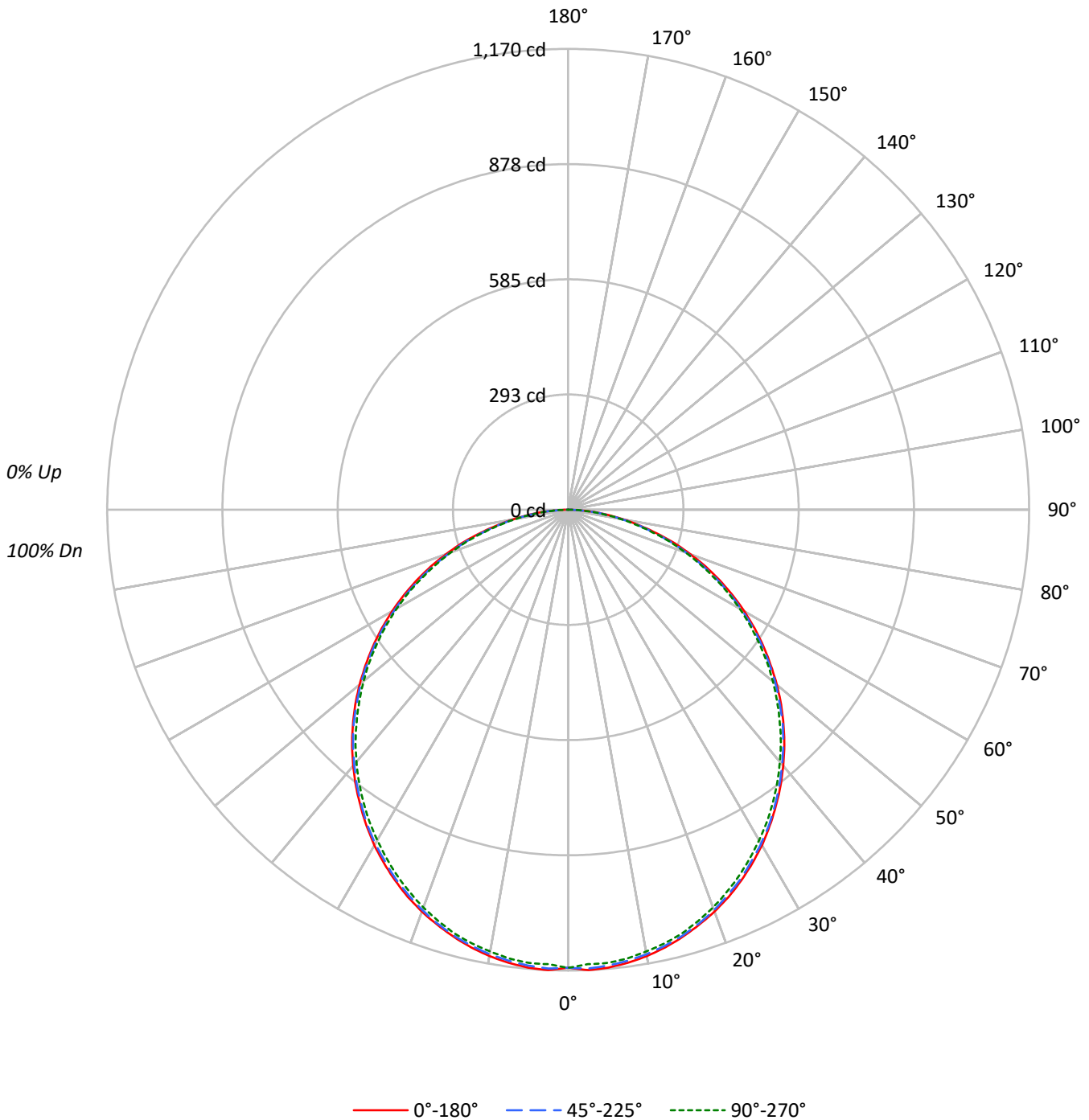
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3315.3 lumens  
Efficiency: N/A  
Efficacy: 119.7 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): 27.7  
Input Voltage (V): 120.0  
Input Current (Ain): 0.232  
Voltage Rise (V): NR  
Power Factor: 0.9964  
Total Harmonic Distortion (THDi): 7.83%  
Frequency (hertz): 60  
Stabilization Time: 0.5 HR  
Operation Time: 24 HR  
Ambient Temperature (°C): 24.9  
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	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	54	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	45	37	32	43	37	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°	6259	6259	6259
5°	6305	6278	6240
10°	6290	6263	6225
15°	6257	6240	6207
20°	6220	6197	6157
25°	6170	6146	6093
30°	6115	6084	6022
35°	6038	6012	5953
40°	5965	5937	5873
45°	5883	5861	5777
50°	5786	5752	5677
55°	5677	5630	5555
60°	5554	5479	5414
65°	5400	5285	5209
70°	5177	5035	4973
75°	4845	4679	4596
80°	4432	4277	4184
85°	3890	3705	3458



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	110.1	3.3
10°-20°	314.8	9.5
20°-30°	474.9	14.3
30°-40°	570.2	17.2
40°-50°	590.6	17.8
50°-60°	534.7	16.1
60°-70°	411.1	12.4
70°-80°	240.5	7.3
80°-90°	68.4	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°	899.8	27.1
0°-40°	1470.0	44.3
0°-60°	2595.3	78.3
0°-90°	3315.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3315.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1163	1163	1163	1163	1163	
5°	1167	1153	1162	1158	1155	111
15°	1123	1110	1120	1117	1114	317
25°	1039	1027	1035	1028	1026	479
35°	919	909	915	908	906	575
45°	773	766	770	761	759	596
55°	605	602	600	593	592	541
65°	424	419	415	411	409	419
75°	233	228	225	224	221	248
85°	63	60	60	59	56	71
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1163	1163	1163	1163	1163
2.5°	1170	1156	1166	1162	1155
5°	1167	1153	1162	1158	1155
7.5°	1160	1146	1155	1152	1149
10°	1151	1137	1146	1143	1139
12.5°	1138	1124	1134	1130	1128
15°	1123	1110	1120	1117	1114
17.5°	1105	1092	1102	1100	1095
20°	1086	1073	1082	1078	1075
22.5°	1064	1052	1059	1053	1051
25°	1039	1027	1035	1028	1026
27.5°	1012	1000	1007	1001	998
30°	984	972	979	972	969
32.5°	952	942	949	941	939
35°	919	909	915	908	906
37.5°	885	876	881	874	872
40°	849	841	845	838	836
42.5°	812	805	808	801	799
45°	773	766	770	761	759
47.5°	733	727	728	721	719
50°	691	687	687	680	678
52.5°	648	645	643	637	636
55°	605	602	600	593	592
57.5°	561	557	555	549	548
60°	516	513	509	503	503
62.5°	470	466	462	458	457
65°	424	419	415	411	409
67.5°	378	372	368	365	363
70°	329	324	320	317	316
72.5°	283	277	274	272	270
75°	233	228	225	224	221
77.5°	187	183	181	180	177
80°	143	140	138	136	135
82.5°	101	99	98	97	94
85°	63	60	60	59	56
87.5°	27	25	25	24	23
90°	0	0	0	0	0

(END OF REPORT)