

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: G2-1901-099-15

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

Test Date: 03/14/19



Test Information

Test Method: LM-79-08
Report Number: G2-1901-099-15
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-HI
Description: 4FT SELECTABLE RIBBON, HI LUMEN 3500K
Light Source: (420) SEOUL 3500K 80 CRI LEDS
2835
Ballast/Driver: (1) LEEDARSON DRIVER @800mA
RP5-PWIO043C0800M-2

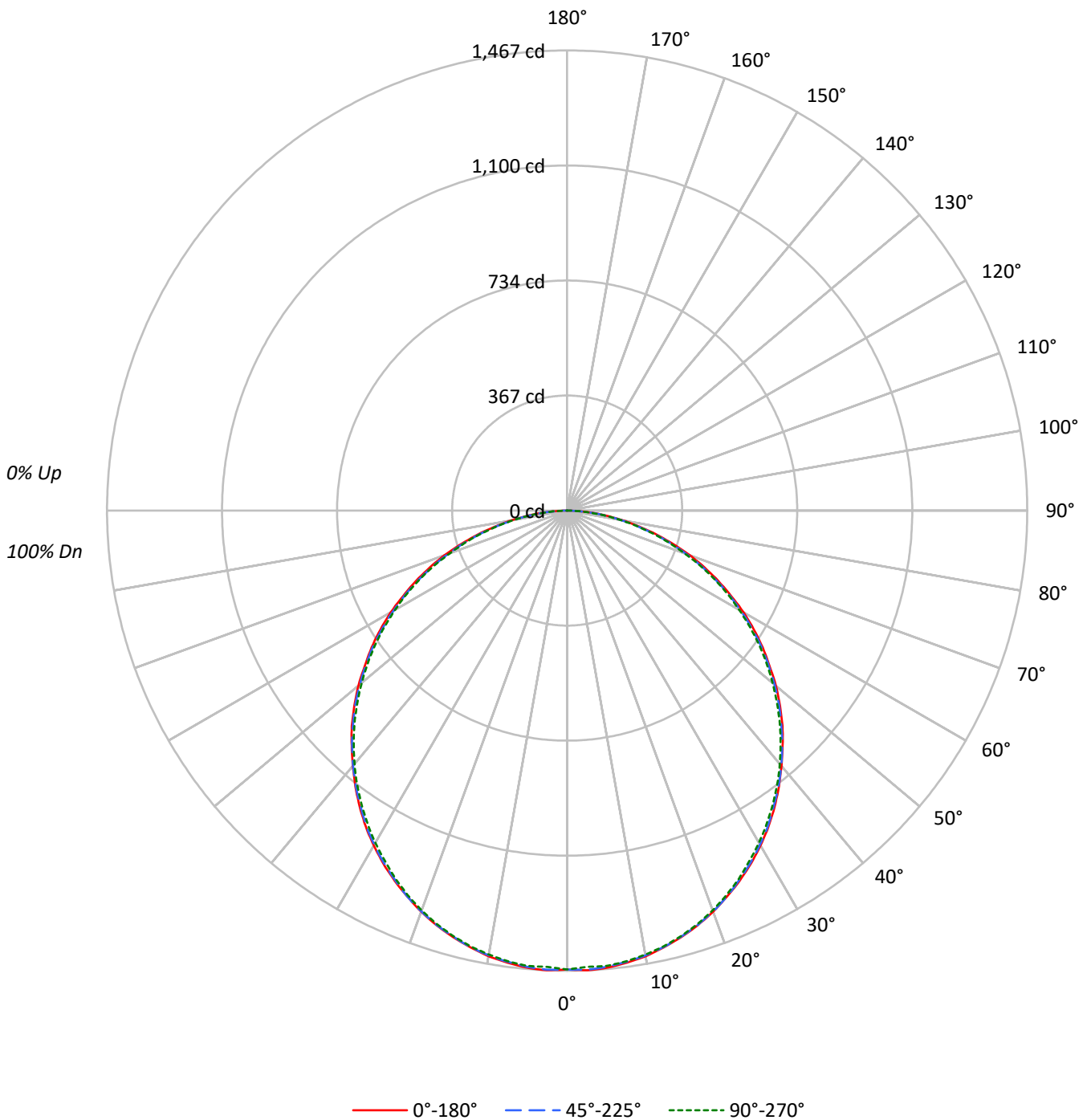
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4174.5 lumens
Efficiency: N/A
Efficacy: 115.6 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): 8.2%
Frequency (hertz): 60
Stabilization Time: 0.5 HR
Operation Time: 24 HR
Ambient Temperature (°C): 25.1
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	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°	7874	7874	7874
5°	7904	7888	7871
10°	7886	7870	7853
15°	7845	7834	7823
20°	7795	7789	7766
25°	7732	7714	7690
30°	7663	7644	7600
35°	7575	7549	7510
40°	7468	7461	7412
45°	7391	7352	7299
50°	7276	7226	7159
55°	7141	7084	7009
60°	6997	6889	6814
65°	6775	6648	6597
70°	6530	6357	6247
75°	6134	5947	5885
80°	5579	5393	5300
85°	4878	4631	4446



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.5	3.3
10°-20°	396.2	9.5
20°-30°	597.5	14.3
30°-40°	717.3	17.2
40°-50°	743.3	17.8
50°-60°	673.4	16.1
60°-70°	517.9	12.4
70°-80°	303.8	7.3
80°-90°	86.7	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°	1132.1	27.1
0°-40°	1849.4	44.3
0°-60°	3266.1	78.2
0°-90°	4174.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4174.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1463	1463	1463	1463	1463	
5°	1463	1452	1460	1459	1457	139
15°	1408	1398	1406	1407	1404	397
25°	1302	1293	1299	1295	1295	600
35°	1153	1145	1149	1143	1143	721
45°	971	966	966	959	959	748
55°	761	760	755	747	747	680
65°	532	529	522	517	518	527
75°	295	292	286	283	283	312
85°	79	77	75	74	72	90
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1463	1463	1463	1463	1463
2.5°	1467	1456	1465	1464	1456
5°	1463	1452	1460	1459	1457
7.5°	1454	1443	1451	1451	1449
10°	1443	1432	1440	1439	1437
12.5°	1426	1416	1425	1424	1423
15°	1408	1398	1406	1407	1404
17.5°	1386	1376	1385	1386	1382
20°	1361	1352	1360	1357	1356
22.5°	1332	1324	1332	1326	1327
25°	1302	1293	1299	1295	1295
27.5°	1269	1260	1266	1261	1259
30°	1233	1224	1230	1223	1223
32.5°	1195	1186	1192	1185	1184
35°	1153	1145	1149	1143	1143
37.5°	1109	1103	1107	1100	1100
40°	1063	1059	1062	1054	1055
42.5°	1017	1014	1015	1008	1007
45°	971	966	966	959	959
47.5°	920	918	916	907	907
50°	869	865	863	856	855
52.5°	813	814	809	803	802
55°	761	760	755	747	747
57.5°	706	703	698	691	691
60°	650	645	640	634	633
62.5°	590	587	582	577	577
65°	532	529	522	517	518
67.5°	474	470	463	460	459
70°	415	409	404	400	397
72.5°	354	350	344	341	341
75°	295	292	286	283	283
77.5°	235	233	228	226	225
80°	180	178	174	171	171
82.5°	127	127	124	121	120
85°	79	77	75	74	72
87.5°	35	34	32	30	30
90°	0	0	0	0	0

(END OF REPORT)