

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: G2-1901-099-13

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

Test Date: 03/14/19



Test Information

Test Method: LM-79-08
Report Number: G2-1901-099-13
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-LO
Description: 4FT SELECTABLE RIBBON, LOW LUMEN 3500K
Light Source: (420) SEOUL 3500K 80 CRI LEDS
2835
Ballast/Driver: (1) LEEDARSON DRIVER @400mA
RP5-PWIO043C0800M-2

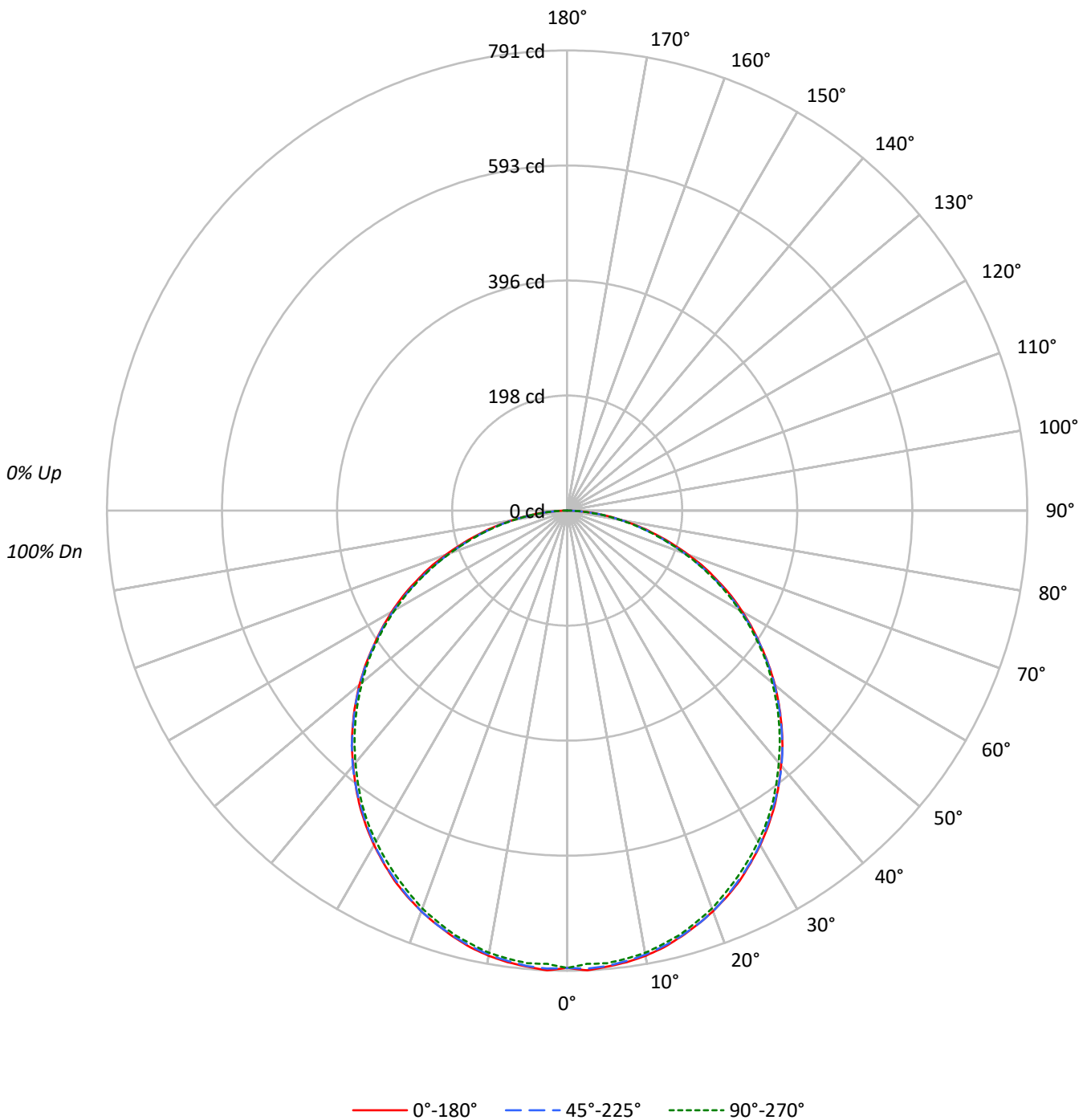
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2241.3 lumens
Efficiency: N/A
Efficacy: 122.5 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): 18.3
Input Voltage (V): 120.0
Input Current (Ain): 0.153
Voltage Rise (V): NR
Power Factor: 0.9932
Total Harmonic Distortion (THDi): 10.4%
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	78	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	53	62	56	52	50
5	76	63	53	47	73	61	53	47	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	40	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°	4230	4230	4230
5°	4252	4246	4219
10°	4246	4235	4219
15°	4223	4218	4201
20°	4198	4198	4170
25°	4169	4157	4121
30°	4126	4120	4083
35°	4080	4067	4041
40°	4019	4026	3977
45°	3965	3958	3920
50°	3902	3893	3852
55°	3819	3810	3781
60°	3746	3714	3681
65°	3642	3578	3553
70°	3478	3383	3367
75°	3265	3161	3140
80°	2975	2913	2851
85°	2594	2470	2408



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.4	3.3
10°-20°	212.9	9.5
20°-30°	321.1	14.3
30°-40°	385.7	17.2
40°-50°	399.5	17.8
50°-60°	361.9	16.1
60°-70°	277.8	12.4
70°-80°	161.9	7.2
80°-90°	46.2	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°	608.4	27.1
0°-40°	994.1	44.4
0°-60°	1755.4	78.3
0°-90°	2241.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2241.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	786	786	786	786	786	
5°	787	781	786	781	781	75
15°	758	752	757	753	754	214
25°	702	696	700	693	694	323
35°	621	617	619	612	615	388
45°	521	520	520	513	515	402
55°	407	408	406	400	403	364
65°	286	283	281	278	279	283
75°	157	155	152	150	151	167
85°	42	42	40	38	39	48
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	786	786	786	786	786
2.5°	791	784	788	784	780
5°	787	781	786	781	781
7.5°	783	777	781	776	777
10°	777	771	775	771	772
12.5°	769	762	767	763	763
15°	758	752	757	753	754
17.5°	746	740	746	741	741
20°	733	727	733	727	728
22.5°	718	713	717	710	711
25°	702	696	700	693	694
27.5°	683	678	682	675	676
30°	664	659	663	655	657
32.5°	643	638	641	635	637
35°	621	617	619	612	615
37.5°	597	594	597	589	591
40°	572	570	573	565	566
42.5°	548	545	548	540	541
45°	521	520	520	513	515
47.5°	494	493	493	486	488
50°	466	466	465	458	460
52.5°	437	437	436	430	433
55°	407	408	406	400	403
57.5°	378	378	376	371	373
60°	348	347	345	340	342
62.5°	318	316	313	309	311
65°	286	283	281	278	279
67.5°	255	251	248	244	246
70°	221	218	215	212	214
72.5°	189	186	183	181	182
75°	157	155	152	150	151
77.5°	127	124	123	120	121
80°	96	95	94	91	92
82.5°	68	68	66	64	65
85°	42	42	40	38	39
87.5°	18	17	17	16	16
90°	0	0	0	0	0

(END OF REPORT)