

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: G2-1901-099-10

Luminaire Tested: **4RBG6-SL1-L8SCT3-3000K-LO**

Test Date: 03/14/19



Test Information

Test Method: LM-79-08
Report Number: G2-1901-099-10
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-L8SCT3-3000K-LO
Description: 4FT SELECTABLE RIBBON, LOW LUMEN 3000K
Light Source: (420) SEOUL 3000K 80 CRI LEDS
2835
Ballast/Driver: (1) LEEDARSON DRIVER @400mA
RP5-PWIO043C0800M-2

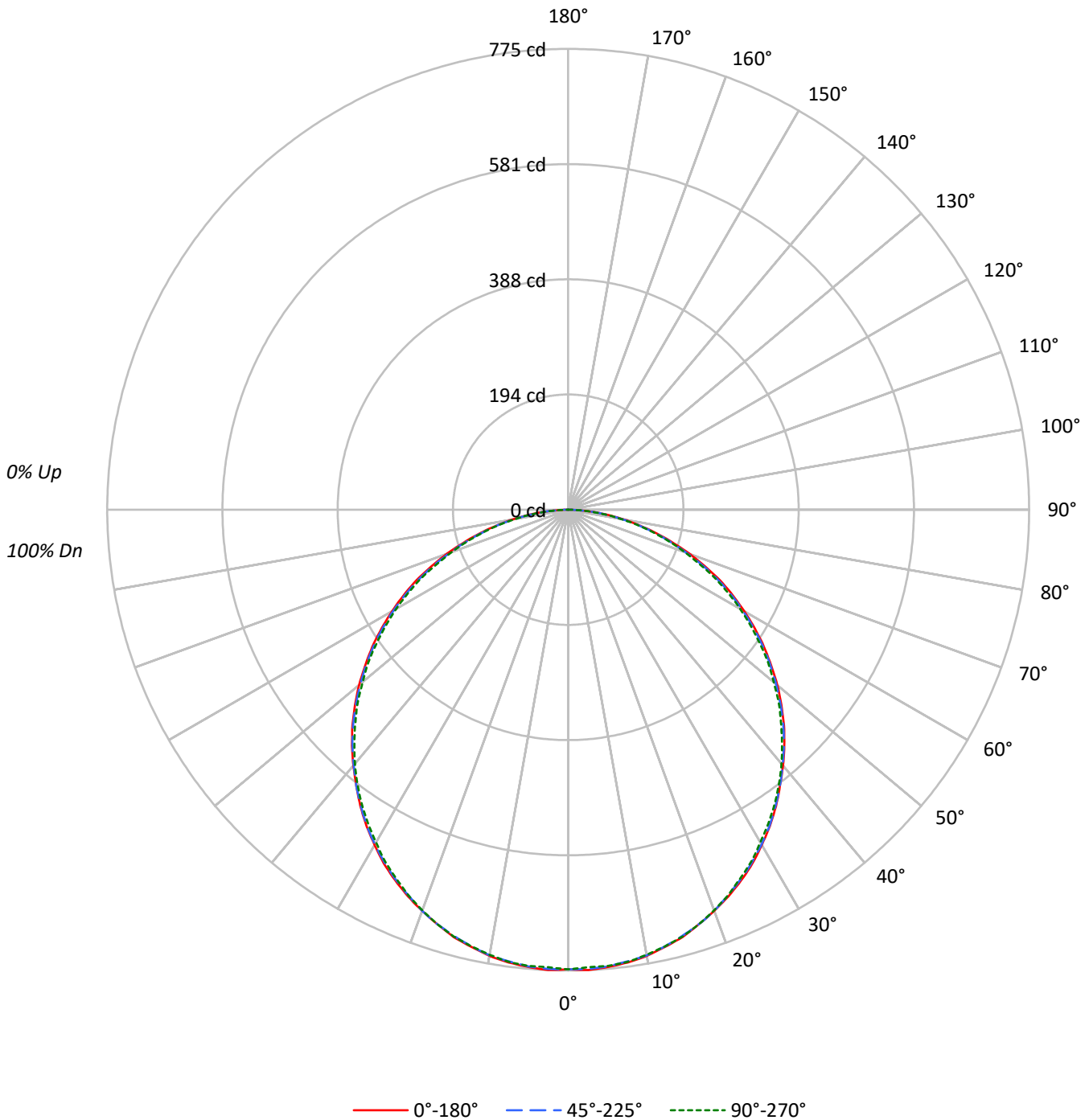
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2203.1 lumens
Efficiency: N/A
Efficacy: 120.4 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: 0.9964
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°	4160	4160	4160
5°	4171	4165	4160
10°	4164	4159	4153
15°	4145	4134	4140
20°	4112	4112	4107
25°	4086	4074	4062
30°	4046	4039	4015
35°	4001	3995	3975
40°	3948	3941	3920
45°	3905	3889	3851
50°	3843	3818	3776
55°	3772	3744	3697
60°	3681	3649	3595
65°	3591	3528	3477
70°	3415	3320	3273
75°	3202	3119	3078
80°	2944	2851	2789
85°	2532	2470	2408



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.2	3.3
10°-20°	209.2	9.5
20°-30°	315.6	14.3
30°-40°	379.0	17.2
40°-50°	392.8	17.8
50°-60°	355.9	16.2
60°-70°	272.8	12.4
70°-80°	159.1	7.2
80°-90°	45.4	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°	598.0	27.1
0°-40°	977.0	44.3
0°-60°	1725.7	78.3
0°-90°	2203.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2203.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	773	773	773	773	773	
5°	772	768	771	769	770	73
15°	744	740	742	743	743	210
25°	688	683	686	683	684	317
35°	609	605	608	603	605	381
45°	513	510	511	507	506	395
55°	402	401	399	396	394	359
65°	282	279	277	273	273	278
75°	154	151	150	148	148	163
85°	41	40	40	38	39	47
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	773	773	773	773	773
2.5°	775	770	773	772	770
5°	772	768	771	769	770
7.5°	768	764	766	765	767
10°	762	757	761	759	760
12.5°	753	749	752	751	752
15°	744	740	742	743	743
17.5°	731	728	731	730	731
20°	718	714	718	716	717
22.5°	704	700	702	700	702
25°	688	683	686	683	684
27.5°	671	667	669	665	667
30°	651	647	650	646	646
32.5°	631	627	630	626	626
35°	609	605	608	603	605
37.5°	585	583	585	581	582
40°	562	559	561	557	558
42.5°	538	536	537	533	532
45°	513	510	511	507	506
47.5°	486	484	484	480	480
50°	459	457	456	453	451
52.5°	430	429	428	425	424
55°	402	401	399	396	394
57.5°	372	371	369	366	364
60°	342	341	339	336	334
62.5°	312	310	308	305	303
65°	282	279	277	273	273
67.5°	249	245	244	241	238
70°	217	214	211	209	208
72.5°	185	182	181	178	178
75°	154	151	150	148	148
77.5°	124	122	121	119	119
80°	95	93	92	90	90
82.5°	67	66	65	63	64
85°	41	40	40	38	39
87.5°	18	17	17	16	16
90°	0	0	0	0	0

(END OF REPORT)