

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: G2-1901-099-16

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

Test Date: 03/14/19



Test Information

Test Method: LM-79-08
Report Number: G2-1901-099-16
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-L8SCT3-4000K-LO
Description: 4FT SELECTABLE RIBBON, LOW LUMEN 4000K
Light Source: (420) SEOUL 4000K 80 CRI LEDS
2835
Ballast/Driver: (1) LEEDARSON DRIVER @400mA
RP5-PWIO043C0800M-2

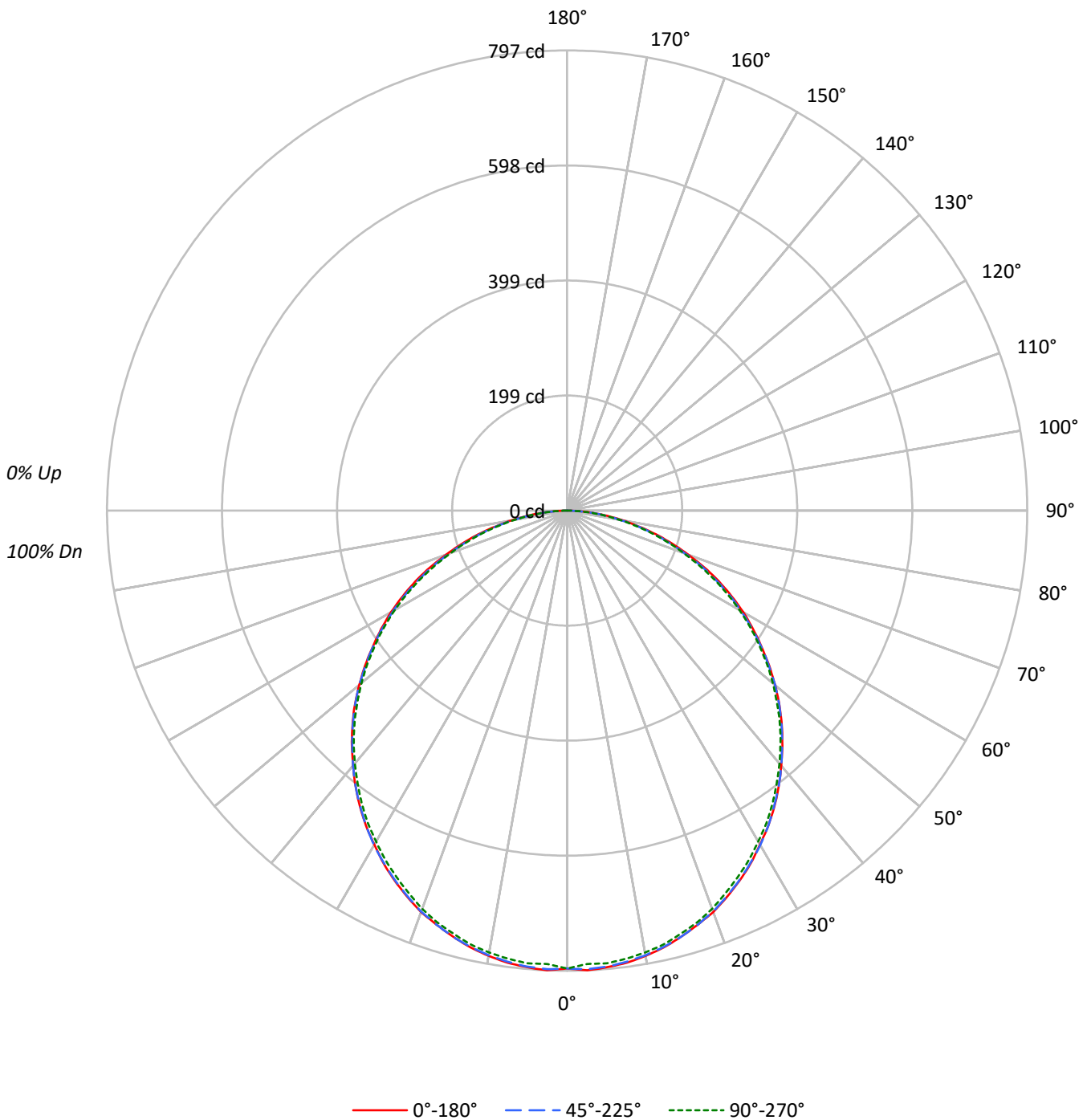
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2261.8 lumens
Efficiency: N/A
Efficacy: 124.3 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): 18.2
Input Voltage (V): 120.0
Input Current (Ain): 0.152
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): 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	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°	4268	4268	4268
5°	4290	4284	4252
10°	4279	4274	4246
15°	4257	4257	4229
20°	4238	4233	4204
25°	4198	4192	4157
30°	4151	4158	4114
35°	4113	4106	4073
40°	4054	4054	4019
45°	4004	3996	3965
50°	3935	3935	3893
55°	3856	3847	3810
60°	3789	3746	3714
65°	3693	3617	3566
70°	3509	3415	3367
75°	3306	3223	3161
80°	3037	2913	2851
85°	2717	2532	2408



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.1	3.3
10°-20°	214.7	9.5
20°-30°	323.9	14.3
30°-40°	389.1	17.2
40°-50°	403.2	17.8
50°-60°	365.0	16.1
60°-70°	280.3	12.4
70°-80°	163.5	7.2
80°-90°	47.0	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°	613.7	27.1
0°-40°	1002.8	44.3
0°-60°	1771.0	78.3
0°-90°	2261.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2261.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	793	793	793	793	793	
5°	794	788	793	788	787	75
15°	764	758	764	761	759	216
25°	707	701	706	700	700	326
35°	626	622	625	618	620	391
45°	526	524	525	519	521	406
55°	411	411	410	404	406	368
65°	290	286	284	279	280	286
75°	159	156	155	152	152	168
85°	44	42	41	39	39	50
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	793	793	793	793	793
2.5°	797	790	795	792	786
5°	794	788	793	788	787
7.5°	790	783	788	785	783
10°	783	778	782	778	777
12.5°	775	769	774	769	770
15°	764	758	764	761	759
17.5°	752	747	752	748	748
20°	740	733	739	733	734
22.5°	724	719	723	717	717
25°	707	701	706	700	700
27.5°	689	684	688	682	682
30°	668	664	669	662	662
32.5°	648	643	648	640	642
35°	626	622	625	618	620
37.5°	602	599	602	595	596
40°	577	575	577	571	572
42.5°	552	550	551	545	547
45°	526	524	525	519	521
47.5°	499	497	498	491	493
50°	470	469	470	463	465
52.5°	441	441	440	434	436
55°	411	411	410	404	406
57.5°	382	381	379	373	376
60°	352	350	348	343	345
62.5°	321	318	317	311	313
65°	290	286	284	279	280
67.5°	257	254	252	247	247
70°	223	219	217	214	214
72.5°	191	187	185	184	183
75°	159	156	155	152	152
77.5°	127	125	124	122	121
80°	98	96	94	93	92
82.5°	70	69	67	66	65
85°	44	42	41	39	39
87.5°	20	18	17	16	16
90°	0	0	0	0	0

(END OF REPORT)