

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: G2-1901-099-3

Luminaire Tested: **2RBG6-SL1-L8SCT3-3000K-HI**

Test Date: 03/12/19



Test Information

Test Method: LM-79-08
Report Number: G2-1901-099-3
Test Lab: INNOVATION CENTER(G2)
Test Date: 03/12/19
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2RBG6-SL1-L8SCT3-3000K-HI
Description: 2FT SELECTABLE RIBBON, HI LUMEN 3000K
Light Source: (224) SEOUL 3000K 80 CRI LEDS
2835
Ballast/Driver: (1) LEEDARSON DRIVER @400mA
RP5-PWIO023C0450M-2

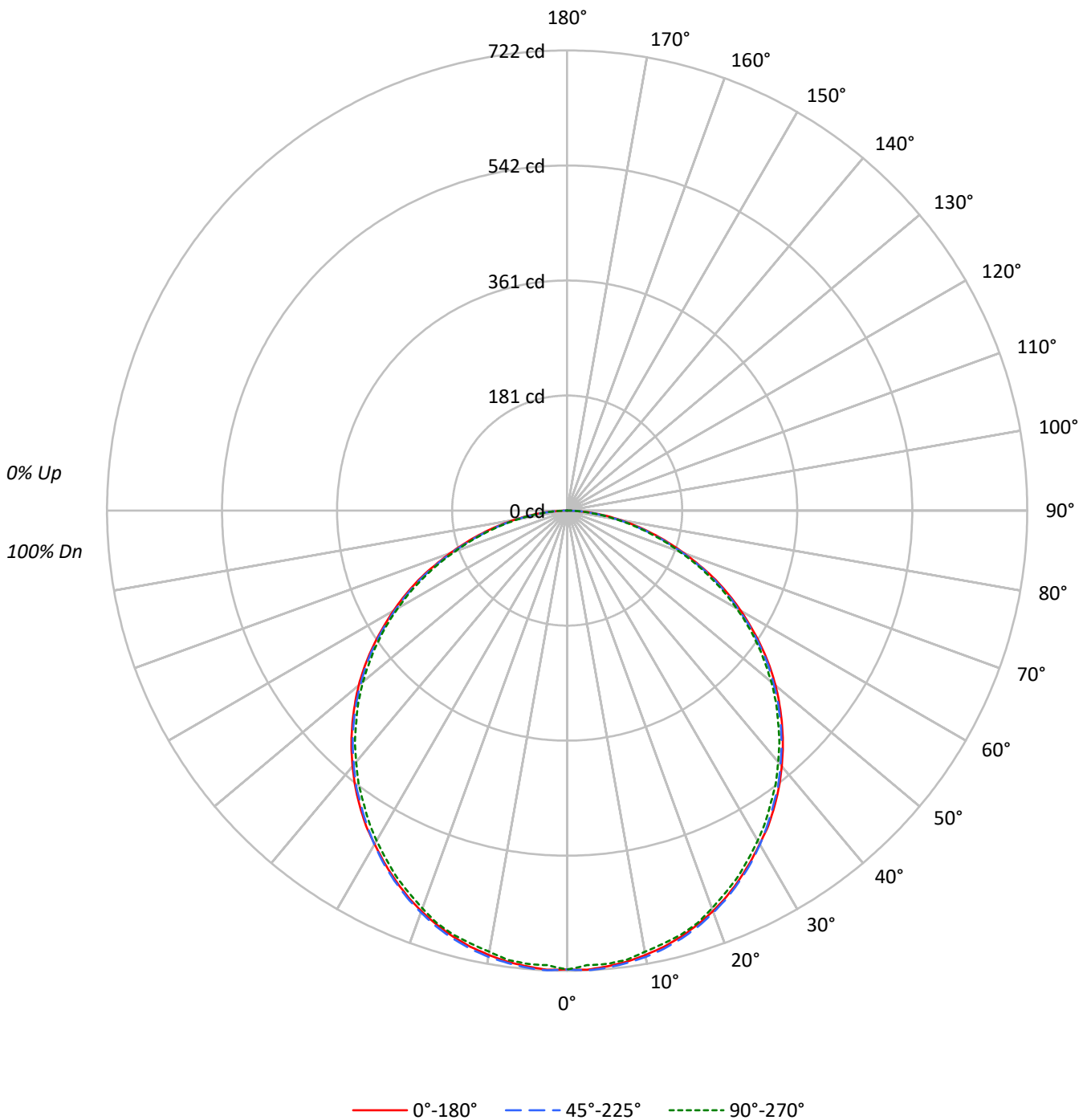
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2031.0 lumens
Efficiency: N/A
Efficacy: 104.7 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.36
Luminous Opening: Rectangular (W 0.5' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 19.4
Input Voltage (V): 120.0
Input Current (Ain): 0.163
Voltage Rise (V): NR
Power Factor: 0.9951
Total Harmonic Distortion (THDi): 9.36%
Frequency (hertz): 60
Stabilization Time: 0.5 HR
Operation Time: 24 HR
Ambient Temperature (°C): 25.2
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	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86	84
2	99	90	84	78	96	89	82	77	85	80	75	82	77	73	79	75	72	70
3	90	79	71	65	88	78	70	64	75	68	63	72	66	62	69	65	61	59
4	82	70	61	55	80	69	61	54	66	59	54	64	58	53	62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	46	58	51	46	56	50	45	43
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	50	44	40	38
7	65	51	42	36	63	50	42	36	49	41	36	47	41	36	46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	32	30
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	29	27
10	53	40	32	26	52	39	31	26	38	31	26	37	31	26	36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7750	7750	7750
5°	7758	7780	7715
10°	7738	7771	7684
15°	7711	7745	7678
20°	7663	7686	7606
25°	7589	7613	7530
30°	7507	7520	7433
35°	7451	7411	7332
40°	7363	7321	7236
45°	7261	7215	7124
50°	7150	7083	7000
55°	6981	6925	6831
60°	6781	6695	6609
65°	6546	6444	6316
70°	6137	6011	5885
75°	5739	5531	5407
80°	5207	4959	4773
85°	4570	4076	3952



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.2	3.4
10°-20°	195.1	9.6
20°-30°	293.7	14.5
30°-40°	351.9	17.3
40°-50°	364.1	17.9
50°-60°	328.1	16.2
60°-70°	248.8	12.2
70°-80°	141.8	7.0
80°-90°	39.2	1.9
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°	557.1	27.4
0°-40°	908.9	44.8
0°-60°	1601.2	78.8
0°-90°	2031.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2031.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	720	720	720	720	720	
5°	718	721	720	713	714	68
15°	692	696	695	687	689	195
25°	639	642	641	631	634	294
35°	567	566	564	555	558	355
45°	477	476	474	466	468	368
55°	372	369	369	363	364	332
65°	257	254	253	249	248	253
75°	138	136	133	131	130	146
85°	37	35	33	33	32	42
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	720	720	720	720	720
2.5°	721	725	722	714	714
5°	718	721	720	713	714
7.5°	714	717	716	709	711
10°	708	712	711	702	703
12.5°	701	705	704	695	696
15°	692	696	695	687	689
17.5°	681	685	684	676	679
20°	669	672	671	662	664
22.5°	655	658	657	647	649
25°	639	642	641	631	634
27.5°	622	624	624	614	616
30°	604	606	605	595	598
32.5°	587	587	585	576	579
35°	567	566	564	555	558
37.5°	546	546	544	535	538
40°	524	523	521	513	515
42.5°	501	500	498	490	493
45°	477	476	474	466	468
47.5°	452	451	449	441	444
50°	427	425	423	416	418
52.5°	400	398	397	390	391
55°	372	369	369	363	364
57.5°	343	341	340	335	336
60°	315	313	311	307	307
62.5°	286	284	282	278	278
65°	257	254	253	249	248
67.5°	225	223	222	219	218
70°	195	193	191	188	187
72.5°	166	165	162	160	159
75°	138	136	133	131	130
77.5°	110	108	106	105	104
80°	84	82	80	78	77
82.5°	60	57	56	55	54
85°	37	35	33	33	32
87.5°	16	15	14	13	12
90°	0	0	0	0	0

(END OF REPORT)