

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: G2-1901-099-9

Luminaire Tested: **2RBG6-SL1-L8SCT3-4000K-HI**

Test Date: 03/12/19



Test Information

Test Method: LM-79-08
Report Number: G2-1901-099-9
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-L8SCT3-4000K-HI
Description: 2FT SELECTABLE RIBBON, HI LUMEN 4000K
Light Source: (224) SEOUL 4000K 80 CRI LEDS
2835
Ballast/Driver: (1) LEEDARSON DRIVER @400mA
RP5-PWIO023C0450M-2

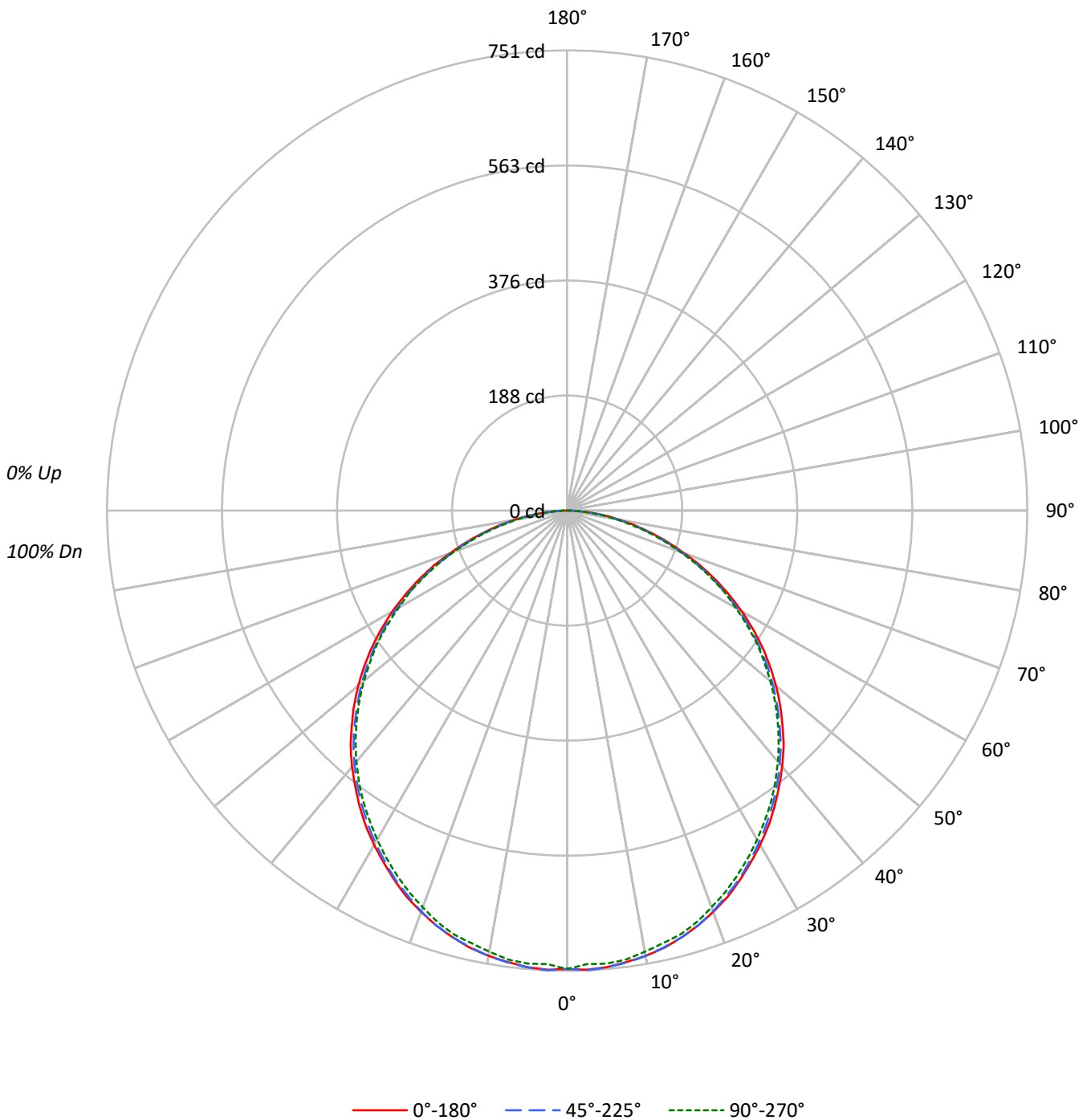
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2106.6 lumens
Efficiency: N/A
Efficacy: 108.6 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.23 / 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): 0.162
Voltage Rise (V): NR
Power Factor: 0.9951
Total Harmonic Distortion (THDi): 9.41%
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	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°	8051	8051	8051
5°	8082	8082	8017
10°	8066	8066	7990
15°	8035	8035	7979
20°	7984	7972	7892
25°	7910	7886	7803
30°	7830	7781	7706
35°	7753	7687	7621
40°	7672	7588	7517
45°	7566	7459	7398
50°	7452	7318	7251
55°	7300	7150	7094
60°	7083	6932	6846
65°	6800	6648	6597
70°	6389	6231	6168
75°	5947	5781	5698
80°	5455	5145	5083
85°	4693	4323	4076



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.8	3.4
10°-20°	202.5	9.6
20°-30°	304.6	14.5
30°-40°	365.1	17.3
40°-50°	377.7	17.9
50°-60°	340.1	16.1
60°-70°	258.0	12.2
70°-80°	147.1	7.0
80°-90°	40.6	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°	577.9	27.4
0°-40°	943.0	44.8
0°-60°	1660.8	78.8
0°-90°	2106.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2106.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	748	748	748	748	748	
5°	748	744	748	742	742	71
15°	721	717	721	716	716	203
25°	666	662	664	658	657	307
35°	590	585	585	580	580	369
45°	497	491	490	486	486	384
55°	389	382	381	377	378	347
65°	267	262	261	258	259	264
75°	143	140	139	136	137	152
85°	38	36	35	34	33	44
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	748	748	748	748	748
2.5°	750	747	751	743	741
5°	748	744	748	742	742
7.5°	743	740	744	738	739
10°	738	734	738	732	731
12.5°	731	727	730	724	723
15°	721	717	721	716	716
17.5°	710	706	710	705	704
20°	697	693	696	690	689
22.5°	683	678	680	674	674
25°	666	662	664	658	657
27.5°	648	644	645	640	639
30°	630	625	626	621	620
32.5°	611	605	606	601	600
35°	590	585	585	580	580
37.5°	568	563	563	558	558
40°	546	540	540	535	535
42.5°	523	516	516	511	511
45°	497	491	490	486	486
47.5°	472	465	464	460	460
50°	445	438	437	433	433
52.5°	417	411	410	405	405
55°	389	382	381	377	378
57.5°	359	353	352	348	348
60°	329	323	322	318	318
62.5°	298	293	291	289	290
65°	267	262	261	258	259
67.5°	236	232	230	228	228
70°	203	199	198	195	196
72.5°	173	169	168	165	166
75°	143	140	139	136	137
77.5°	115	112	111	108	107
80°	88	85	83	81	82
82.5°	62	59	58	56	56
85°	38	36	35	34	33
87.5°	17	15	14	14	13
90°	0	0	0	0	0

(END OF REPORT)