

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: G2-1901-099-2

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

Test Date: 03/11/19



Test Information

Test Method: LM-79-08
Report Number: G2-1901-099-2
Test Lab: INNOVATION CENTER(G2)
Test Date: 03/11/19
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2RBG6-SL1-L8SCT3-3000K-MID
Description: 2FT SELECTABLE RIBBON, MID LUMEN 3000K
Light Source: (224) SEOUL 3000K 80 CRI LEDS
2835
Ballast/Driver: (1) LEEDARSON DRIVER @300mA
RP5-PWIO023C0450M-2

Summary

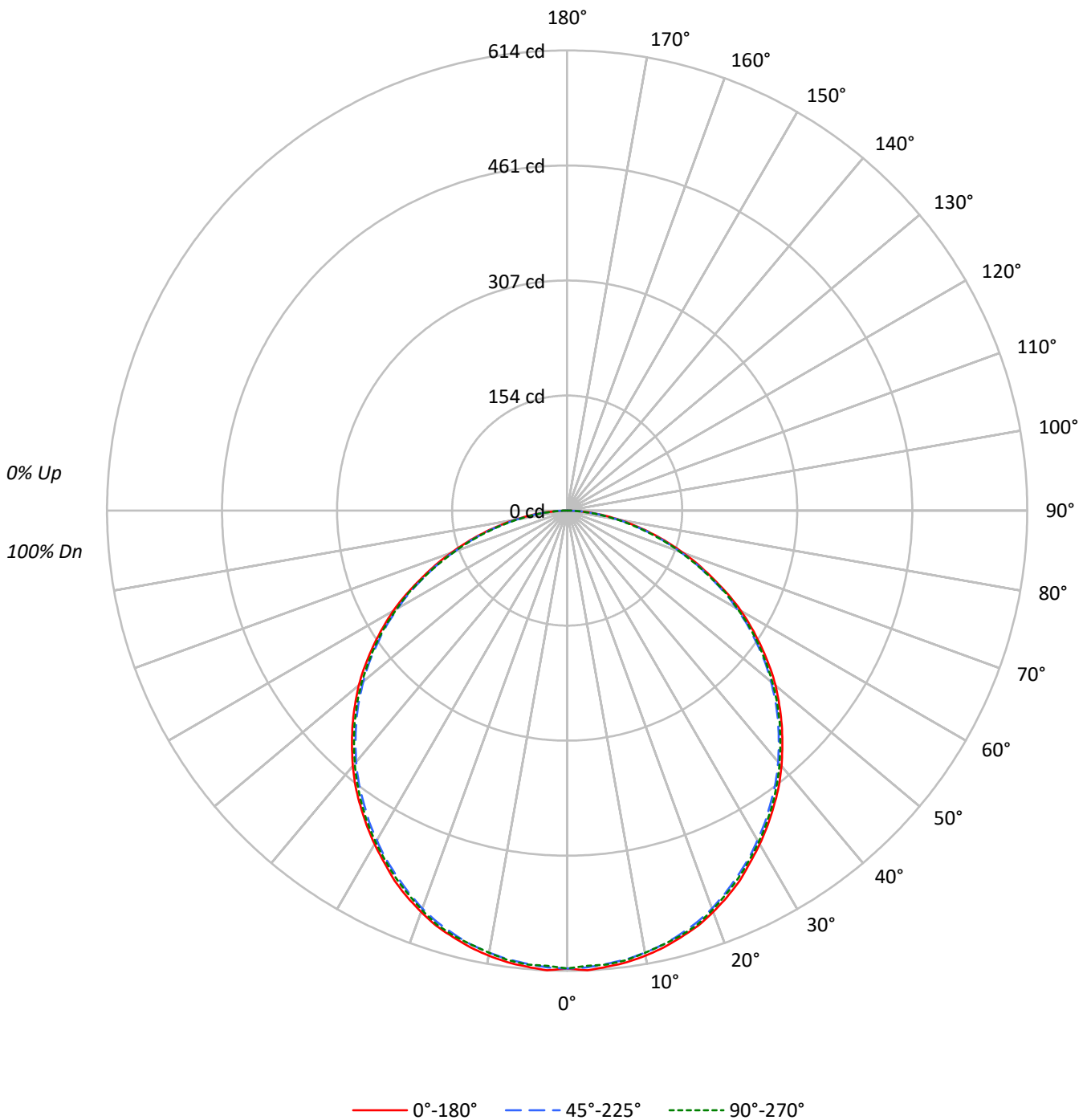
Lumens per Lamp: N/A
Luminaire Lumens: 1721.7 lumens
Efficiency: N/A
Efficacy: 106.9 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.36
Luminous Opening: Rectangular (W 0.5' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 16.1
Input Voltage (V): 120.0
Input Current (Ain): 0.135
Voltage Rise (V): NR
Power Factor: 0.9934
Total Harmonic Distortion (THDi): 9.11%
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	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°	6577	6577	6577
5°	6602	6559	6569
10°	6591	6547	6547
15°	6564	6519	6541
20°	6529	6472	6495
25°	6473	6390	6425
30°	6389	6314	6351
35°	6320	6229	6281
40°	6253	6154	6197
45°	6165	6059	6104
50°	6079	5945	5995
55°	5930	5799	5855
60°	5769	5619	5662
65°	5476	5349	5374
70°	5193	5035	5035
75°	4824	4700	4616
80°	4401	4215	4091
85°	3829	3458	3211



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.8	3.4
10°-20°	165.5	9.6
20°-30°	249.1	14.5
30°-40°	298.4	17.3
40°-50°	308.9	17.9
50°-60°	278.4	16.2
60°-70°	210.3	12.2
70°-80°	120.2	7.0
80°-90°	33.1	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°	472.4	27.4
0°-40°	770.8	44.8
0°-60°	1358.1	78.9
0°-90°	1721.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1721.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	611	611	611	611	611	
5°	611	610	607	606	608	58
15°	589	589	585	585	587	166
25°	545	543	538	538	541	251
35°	481	479	474	474	478	301
45°	405	404	398	398	401	312
55°	316	314	309	310	312	283
65°	215	214	210	210	211	214
75°	116	115	113	112	111	123
85°	31	30	28	27	26	35
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	611	611	611	611	611
2.5°	614	614	610	607	608
5°	611	610	607	606	608
7.5°	608	607	604	603	605
10°	603	603	599	597	599
12.5°	597	597	593	592	593
15°	589	589	585	585	587
17.5°	581	579	576	576	579
20°	570	569	565	564	567
22.5°	558	556	552	552	554
25°	545	543	538	538	541
27.5°	529	529	524	524	526
30°	514	512	508	508	511
32.5°	498	497	492	491	495
35°	481	479	474	474	478
37.5°	464	462	457	457	460
40°	445	443	438	438	441
42.5°	425	424	418	418	421
45°	405	404	398	398	401
47.5°	384	382	377	377	380
50°	363	360	355	355	358
52.5°	340	337	333	332	335
55°	316	314	309	310	312
57.5°	292	289	286	286	288
60°	268	265	261	262	263
62.5°	242	240	237	237	239
65°	215	214	210	210	211
67.5°	190	189	186	186	185
70°	165	164	160	161	160
72.5°	140	139	136	136	135
75°	116	115	113	112	111
77.5°	93	92	89	89	88
80°	71	70	68	67	66
82.5°	50	49	47	46	45
85°	31	30	28	27	26
87.5°	13	13	12	11	10
90°	0	0	0	0	0

(END OF REPORT)