

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: G2-1901-099-4

Luminaire Tested: **2RBG6-SL1-L8SCT3-3500K-LO**

Test Date: 03/13/19



Test Information

Test Method: LM-79-08
Report Number: G2-1901-099-4
Test Lab: INNOVATION CENTER(G2)
Test Date: 03/13/19
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2RBG6-SL1-L8SCT3-3500K-LO
Description: 2FT SELECTABLE RIBBON, LOW LUMEN 3500K
Light Source: (224) SEOUL 3500K 80 CRI LEDS
2835
Ballast/Driver: (1) LEEDARSON DRIVER @200mA
RP5-PWIO023C0450M-2

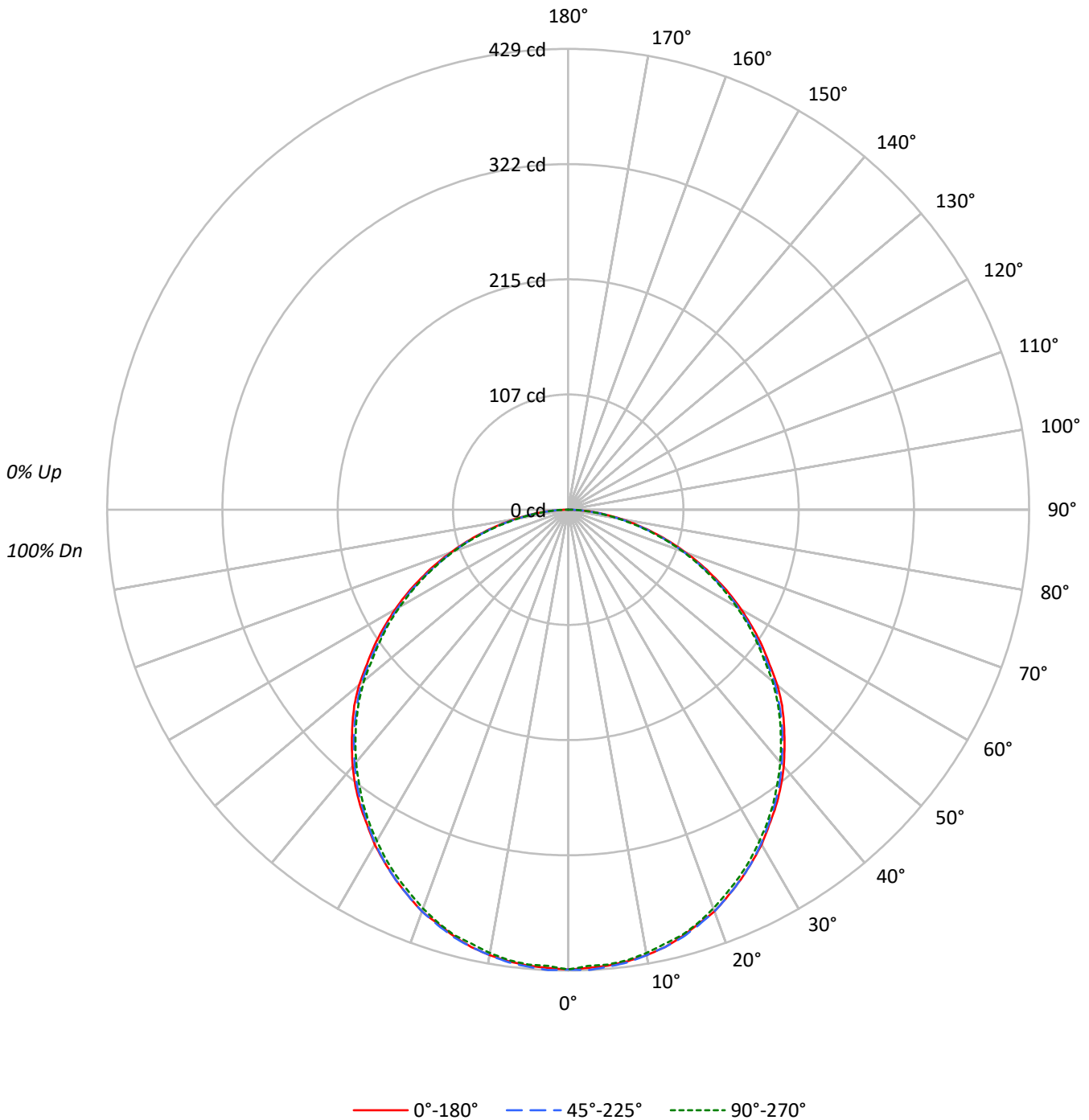
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1207.7 lumens
Efficiency: N/A
Efficacy: 111.8 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): 10.8
Input Voltage (V): 120.0
Input Current (Ain): 0.0908
Voltage Rise (V): NR
Power Factor: 0.9932
Total Harmonic Distortion (THDi): 9.05%
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°	4607	4607	4607
5°	4603	4614	4592
10°	4602	4602	4580
15°	4580	4591	4569
20°	4559	4559	4525
25°	4513	4513	4478
30°	4474	4462	4425
35°	4428	4402	4376
40°	4384	4342	4314
45°	4323	4278	4247
50°	4253	4203	4153
55°	4129	4054	4016
60°	4004	3940	3897
65°	3846	3769	3744
70°	3651	3588	3556
75°	3410	3327	3285
80°	3099	2975	2913
85°	2717	2470	2470



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.5	3.4
10°-20°	116.0	9.6
20°-30°	174.9	14.5
30°-40°	209.7	17.4
40°-50°	216.9	18.0
50°-60°	193.9	16.1
60°-70°	147.1	12.2
70°-80°	84.9	7.0
80°-90°	23.8	2.0
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°	331.4	27.4
0°-40°	541.1	44.8
0°-60°	951.9	78.8
0°-90°	1207.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1207.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	428	428	428	428	428	
5°	426	427	427	426	425	41
15°	411	412	412	411	410	116
25°	380	381	380	379	377	175
35°	337	337	335	334	333	211
45°	284	283	281	280	279	219
55°	220	218	216	215	214	197
65°	151	150	148	147	147	150
75°	82	81	80	78	79	87
85°	22	22	20	20	20	25
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	428	428	428	428	428
2.5°	427	429	429	427	425
5°	426	427	427	426	425
7.5°	424	425	425	424	423
10°	421	422	421	420	419
12.5°	417	418	417	416	414
15°	411	412	412	411	410
17.5°	404	405	405	405	403
20°	398	399	398	397	395
22.5°	389	390	389	387	386
25°	380	381	380	379	377
27.5°	370	371	370	368	367
30°	360	360	359	358	356
32.5°	348	348	347	346	345
35°	337	337	335	334	333
37.5°	325	324	323	321	320
40°	312	311	309	308	307
42.5°	298	298	295	294	293
45°	284	283	281	280	279
47.5°	270	268	266	265	264
50°	254	253	251	249	248
52.5°	236	235	233	232	230
55°	220	218	216	215	214
57.5°	203	202	200	199	198
60°	186	184	183	182	181
62.5°	169	167	166	165	164
65°	151	150	148	147	147
67.5°	134	132	131	130	130
70°	116	115	114	113	113
72.5°	99	98	97	96	96
75°	82	81	80	78	79
77.5°	66	65	64	62	62
80°	50	50	48	47	47
82.5°	36	35	34	33	33
85°	22	22	20	20	20
87.5°	10	9	8	8	8
90°	0	0	0	0	0

(END OF REPORT)