

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: G2-1901-099-5

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

Test Date: 03/13/19



Test Information

Test Method: LM-79-08
Report Number: G2-1901-099-5
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-MID
Description: 2FT SELECTABLE RIBBON, MID LUMEN 3500K
Light Source: (224) SEOUL 3500K 80 CRI LEDS
2835
Ballast/Driver: (1) LEEDARSON DRIVER @300mA
RP5-PWIO023C0450M-2

Summary

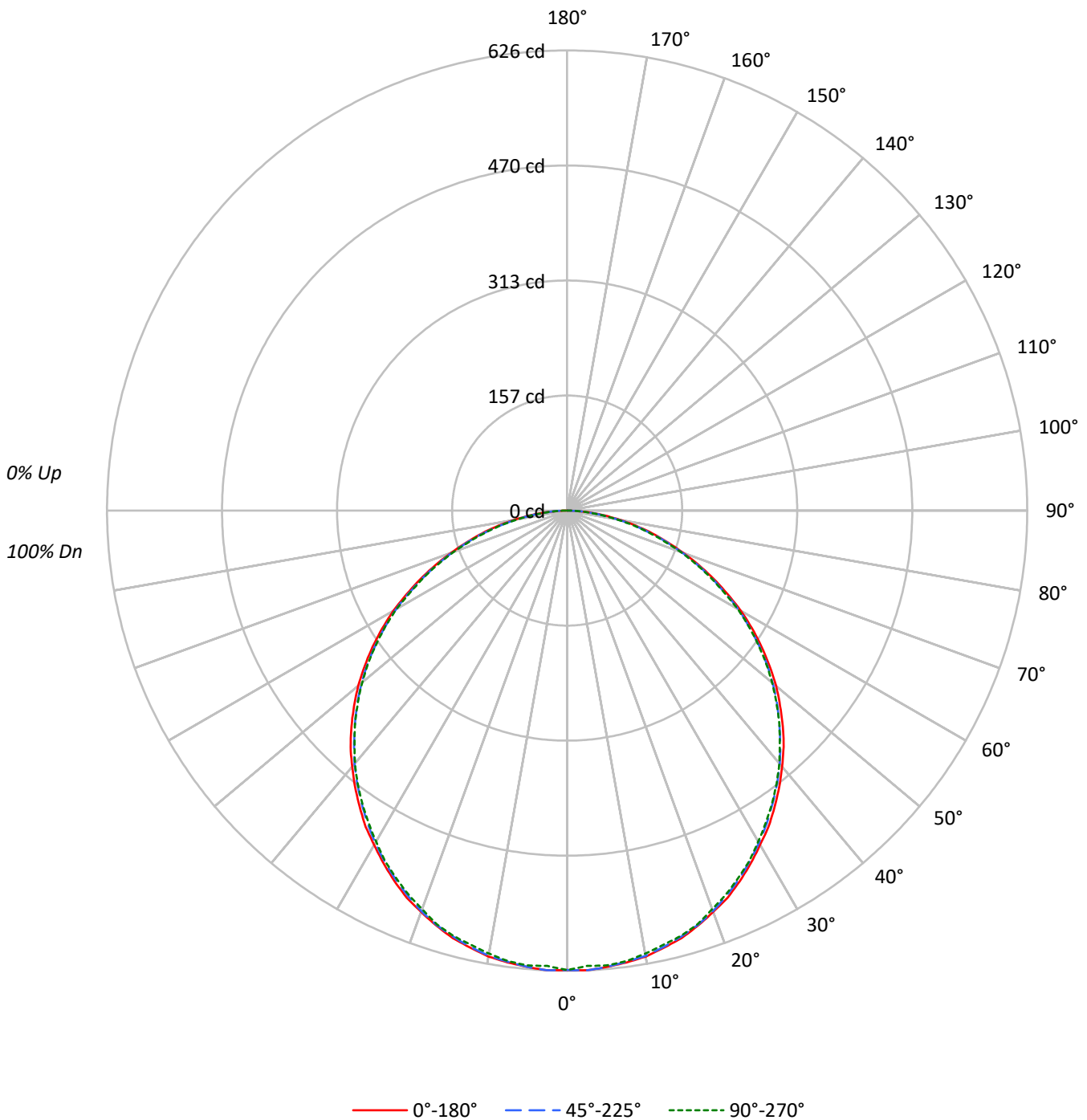
Lumens per Lamp: N/A
Luminaire Lumens: 1762.7 lumens
Efficiency: N/A
Efficacy: 109.5 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.36
Luminous Opening: Rectangular (W 0.5' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 16.1
Input Voltage (V): 120.0
Input Current (Ain): 0.135
Voltage Rise (V): NR
Power Factor: 0.9952
Total Harmonic Distortion (THDi): 8.78%
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°	6727	6727	6727
5°	6732	6732	6710
10°	6733	6722	6689
15°	6708	6686	6675
20°	6655	6644	6609
25°	6603	6568	6544
30°	6525	6488	6463
35°	6465	6399	6386
40°	6393	6323	6309
45°	6317	6211	6211
50°	6213	6112	6095
55°	6062	5968	5949
60°	5877	5791	5769
65°	5603	5501	5476
70°	5287	5193	5161
75°	4991	4824	4741
80°	4525	4339	4215
85°	3952	3582	3458



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.1	3.4
10°-20°	169.3	9.6
20°-30°	254.9	14.5
30°-40°	305.4	17.3
40°-50°	316.2	17.9
50°-60°	285.1	16.2
60°-70°	214.8	12.2
70°-80°	123.6	7.0
80°-90°	34.3	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°	483.3	27.4
0°-40°	788.7	44.7
0°-60°	1390.0	78.9
0°-90°	1762.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1762.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	625	625	625	625	625	
5°	623	623	623	621	621	59
15°	602	601	600	600	599	170
25°	556	555	553	551	551	256
35°	492	491	487	486	486	308
45°	415	413	408	408	408	320
55°	323	322	318	316	317	288
65°	220	219	216	215	215	218
75°	120	118	116	115	114	126
85°	32	31	29	28	28	37
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	625	625	625	625	625
2.5°	626	626	626	623	620
5°	623	623	623	621	621
7.5°	620	619	619	618	618
10°	616	615	615	612	612
12.5°	609	609	608	605	605
15°	602	601	600	600	599
17.5°	592	592	591	590	590
20°	581	581	580	578	577
22.5°	570	568	567	565	565
25°	556	555	553	551	551
27.5°	541	540	538	536	537
30°	525	524	522	521	520
32.5°	510	508	505	504	503
35°	492	491	487	486	486
37.5°	474	472	469	467	468
40°	455	453	450	448	449
42.5°	436	434	429	429	428
45°	415	413	408	408	408
47.5°	393	391	387	386	386
50°	371	369	365	363	364
52.5°	347	345	342	341	341
55°	323	322	318	316	317
57.5°	298	297	293	293	293
60°	273	272	269	268	268
62.5°	246	245	242	240	240
65°	220	219	216	215	215
67.5°	194	193	191	189	189
70°	168	168	165	164	164
72.5°	143	143	141	139	138
75°	120	118	116	115	114
77.5°	96	95	93	91	91
80°	73	72	70	69	68
82.5°	52	51	48	47	48
85°	32	31	29	28	28
87.5°	14	13	12	12	11
90°	0	0	0	0	0

(END OF REPORT)