

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: P#

Luminaire Tested: **8RBG6-SL1-L8SCT3-3500K-MID**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1901-099-1)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8RBG6-SL1-L8SCT3-3500K-MID
Description: 8FT RIBBON LED LUMINAIRE WITH 3500K LEDS AT MID LUMEN OUTPUT SETTING
Light Source: -
Ballast/Driver: -

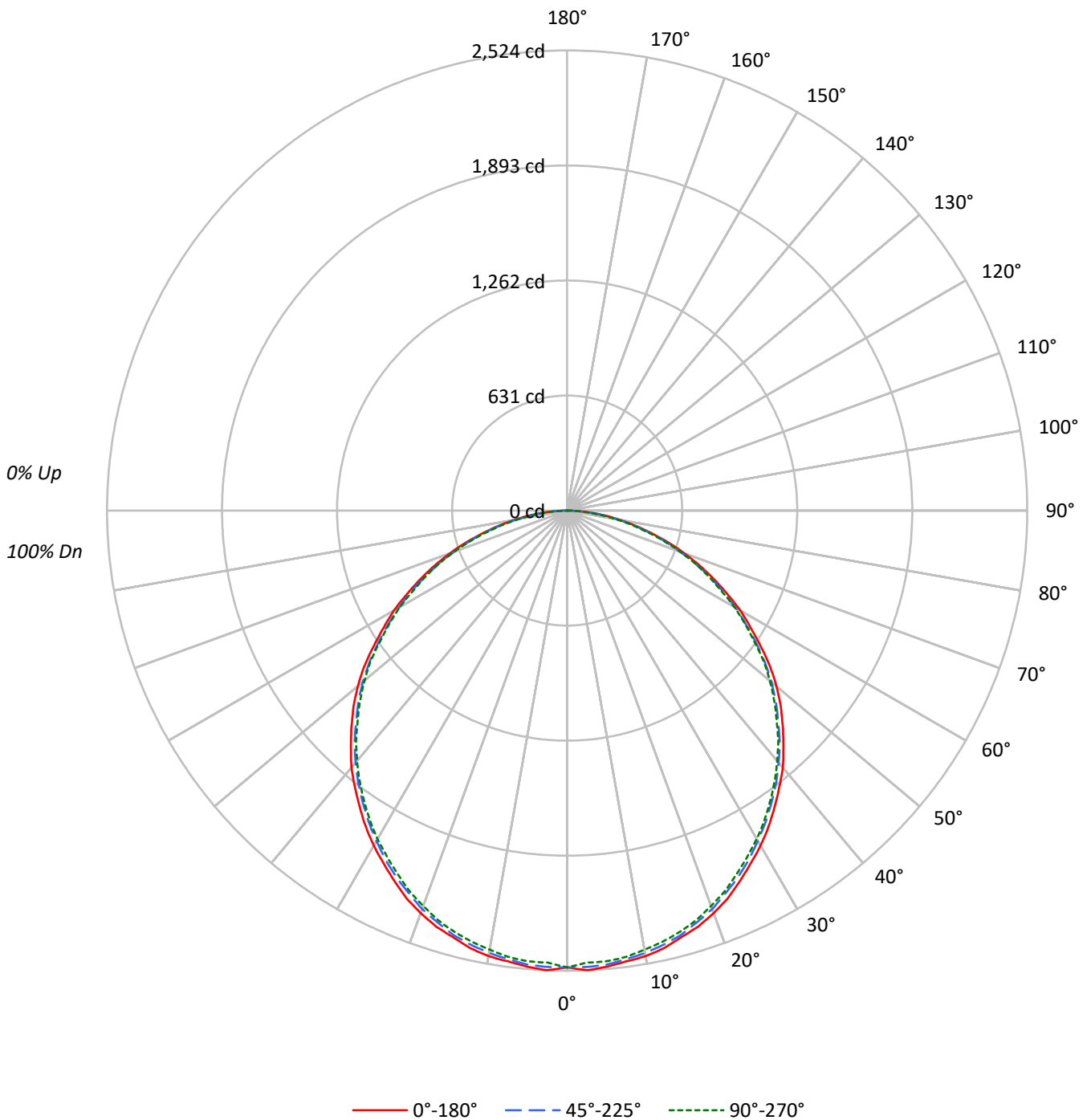
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7052.0 lumens
Efficiency: N/A
Efficacy: 113.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.36
Luminous Opening: Rectangular (W 0.5' x L: 8' x H: 0')
CIE Type: Direct

Input Watts (W): 62.11
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100
1	109	104	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86	84			84
2	99	90	84	78	96	89	82	77	85	80	75	82	77	73	79	75	72	70			70
3	90	79	71	65	88	78	70	64	75	68	63	72	67	62	70	65	61	59			59
4	82	70	62	55	80	69	61	54	66	59	54	64	58	53	62	57	52	50			50
5	76	63	54	47	74	62	53	47	60	52	46	58	51	46	56	50	45	43			43
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	51	45	40	38			38
7	65	51	42	36	63	50	42	36	49	41	36	47	41	36	46	40	35	33			33
8	60	47	38	32	59	46	38	32	45	37	32	44	37	32	42	36	32	30			30
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	29	27			27
10	53	40	32	26	52	39	31	26	38	31	26	37	31	26	36	30	26	24			24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6743	6743	6743
5°	6784	6752	6703
10°	6781	6732	6683
15°	6747	6713	6663
20°	6729	6660	6609
25°	6656	6585	6532
30°	6593	6500	6463
35°	6518	6419	6380
40°	6464	6338	6296
45°	6365	6228	6182
50°	6274	6123	6073
55°	6074	5934	5878
60°	5903	5743	5710
65°	5649	5496	5458
70°	5376	5188	5188
75°	4985	4861	4737
80°	4551	4365	4179
85°	4072	3517	3517



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	237.2	3.4
10°-20°	679.0	9.6
20°-30°	1021.7	14.5
30°-40°	1224.3	17.4
40°-50°	1266.2	18.0
50°-60°	1134.7	16.1
60°-70°	858.5	12.2
70°-80°	494.5	7.0
80°-90°	135.9	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°	1937.9	27.5
0°-40°	3162.2	44.8
0°-60°	5563.0	78.9
0°-90°	7052.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7052.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2506	2506	2506	2506	2506	
5°	2512	2506	2500	2488	2482	239
15°	2422	2416	2410	2398	2392	685
25°	2242	2230	2218	2200	2200	1034
35°	1984	1966	1954	1942	1942	1242
45°	1672	1648	1636	1624	1624	1291
55°	1295	1271	1265	1253	1253	1160
65°	887	875	863	857	857	879
75°	480	474	468	456	456	510
85°	132	120	114	108	114	149
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2505.6	2505.6	2505.6	2505.6	2505.6
2.5°	2523.6	2511.6	2505.6	2487.6	2481.6
5°	2511.6	2505.6	2499.6	2487.6	2481.6
7.5°	2493.6	2487.6	2481.6	2475.6	2469.6
10°	2481.6	2475.6	2463.6	2451.6	2445.6
12.5°	2457.6	2445.6	2439.6	2421.7	2421.7
15°	2421.7	2415.7	2409.7	2397.7	2391.7
17.5°	2391.7	2379.7	2367.7	2361.7	2355.7
20°	2349.7	2331.7	2325.8	2313.8	2307.8
22.5°	2301.8	2283.8	2271.8	2259.8	2259.8
25°	2241.8	2229.8	2217.9	2199.9	2199.9
27.5°	2181.9	2163.9	2157.9	2139.9	2139.9
30°	2121.9	2104.0	2092.0	2080.0	2080.0
32.5°	2056.0	2038.0	2026.0	2014.1	2014.1
35°	1984.1	1966.1	1954.1	1942.1	1942.1
37.5°	1912.2	1894.2	1882.2	1864.2	1870.2
40°	1840.2	1816.2	1804.3	1792.3	1792.3
42.5°	1756.3	1738.3	1726.3	1708.3	1714.3
45°	1672.4	1648.4	1636.4	1624.4	1624.4
47.5°	1588.5	1564.5	1552.5	1540.5	1540.5
50°	1498.6	1474.6	1462.6	1450.6	1450.6
52.5°	1402.6	1378.7	1366.7	1360.7	1360.7
55°	1294.7	1270.8	1264.8	1252.8	1252.8
57.5°	1192.8	1174.9	1162.9	1162.9	1156.9
60°	1096.9	1073.0	1067.0	1061.0	1061.0
62.5°	989.0	977.1	965.1	959.1	953.1
65°	887.1	875.2	863.2	857.2	857.2
67.5°	785.2	773.3	761.3	761.3	761.3
70°	683.3	671.4	659.4	659.4	659.4
72.5°	581.4	569.4	563.5	557.5	557.5
75°	479.5	473.5	467.5	455.6	455.6
77.5°	383.6	377.6	371.6	365.6	359.7
80°	293.7	287.7	281.7	269.7	269.7
82.5°	209.8	197.8	197.8	185.8	185.8
85°	131.9	119.9	113.9	107.9	113.9
87.5°	59.9	53.9	48.0	42.0	42.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)