

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-L8SCT3-3000K-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-L8SCT3-3000K-MID
Description: 8FT RIBBON LED LUMINAIRE WITH 3000K LEDS AT MID LUMEN OUTPUT SETTING
Light Source: -
Ballast/Driver: -

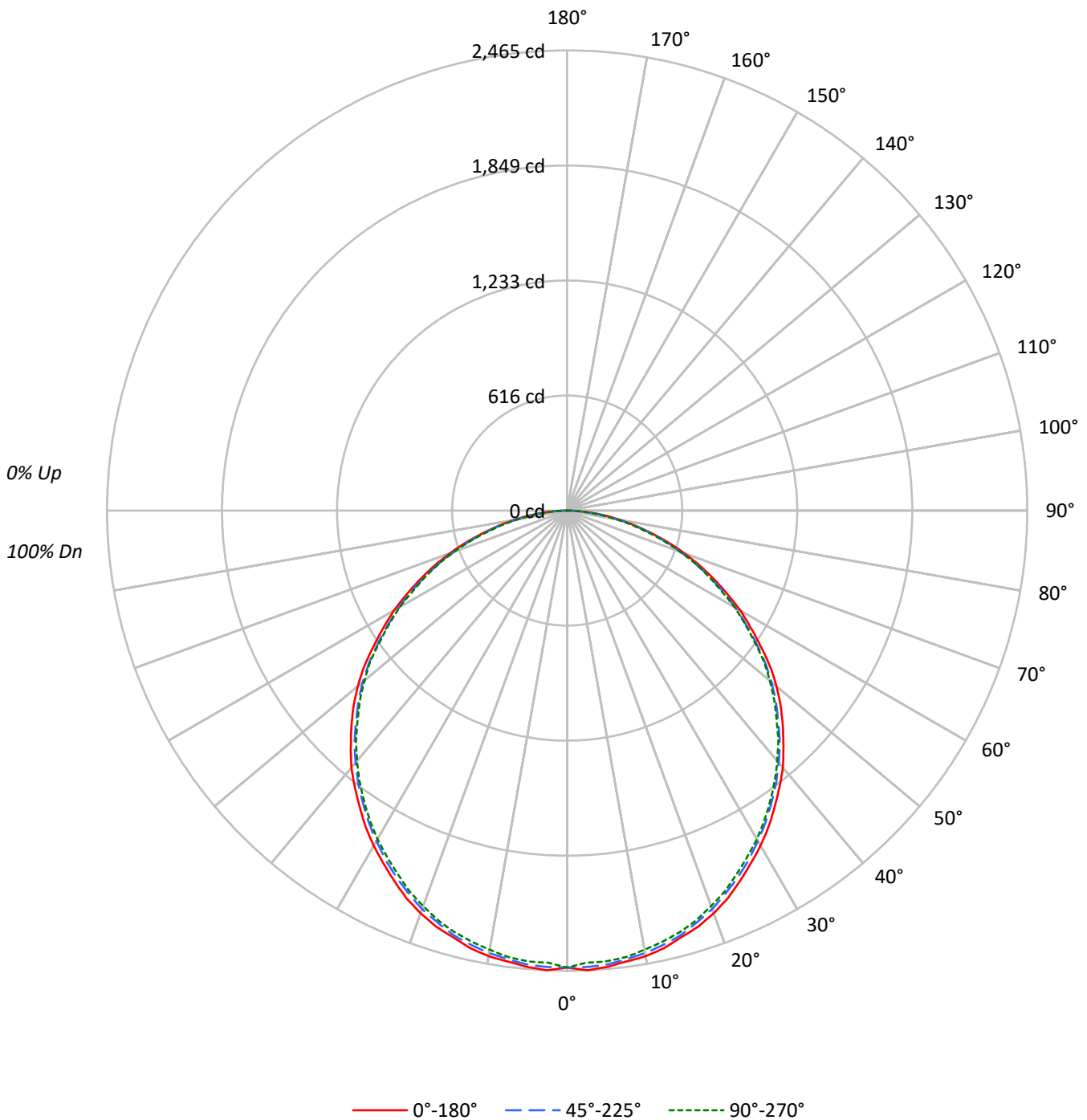
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6888.0 lumens
Efficiency: N/A
Efficacy: 110.9 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	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	67	62	70	65	61	59
4	82	70	62	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	51	45	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	44	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°	6586	6586	6586
5°	6627	6595	6548
10°	6623	6575	6527
15°	6590	6557	6508
20°	6572	6505	6455
25°	6502	6432	6380
30°	6440	6349	6313
35°	6366	6270	6232
40°	6314	6191	6150
45°	6216	6083	6038
50°	6128	5981	5932
55°	5933	5796	5741
60°	5766	5609	5577
65°	5517	5368	5331
70°	5251	5067	5067
75°	4870	4748	4627
80°	4446	4265	4083
85°	3977	3433	3433



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	231.7	3.4
10°-20°	663.2	9.6
20°-30°	997.9	14.5
30°-40°	1195.9	17.4
40°-50°	1236.7	18.0
50°-60°	1108.3	16.1
60°-70°	838.6	12.2
70°-80°	483.0	7.0
80°-90°	132.8	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°	1892.8	27.5
0°-40°	3088.7	44.8
0°-60°	5433.7	78.9
0°-90°	6888.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6888.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2447	2447	2447	2447	2447	
5°	2453	2447	2442	2430	2424	233
15°	2365	2360	2354	2342	2336	669
25°	2190	2178	2166	2149	2149	1010
35°	1938	1920	1909	1897	1897	1214
45°	1634	1610	1598	1587	1587	1261
55°	1265	1241	1235	1224	1224	1133
65°	866	855	843	837	837	858
75°	468	462	457	445	445	498
85°	129	117	111	105	111	146
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2447.3	2447.3	2447.3	2447.3	2447.3
2.5°	2464.9	2453.2	2447.3	2429.7	2423.9
5°	2453.2	2447.3	2441.5	2429.7	2423.9
7.5°	2435.6	2429.7	2423.9	2418.0	2412.2
10°	2423.9	2418.0	2406.3	2394.6	2388.8
12.5°	2400.5	2388.8	2382.9	2365.3	2365.3
15°	2365.3	2359.5	2353.6	2341.9	2336.1
17.5°	2336.1	2324.4	2312.6	2306.8	2300.9
20°	2295.1	2277.5	2271.7	2260.0	2254.1
22.5°	2248.2	2230.7	2219.0	2207.3	2207.3
25°	2189.7	2178.0	2166.3	2148.7	2148.7
27.5°	2131.1	2113.6	2107.7	2090.2	2090.2
30°	2072.6	2055.0	2043.3	2031.6	2031.6
32.5°	2008.2	1990.6	1978.9	1967.2	1967.2
35°	1937.9	1920.4	1908.7	1897.0	1897.0
37.5°	1867.7	1850.1	1838.4	1820.8	1826.7
40°	1797.4	1774.0	1762.3	1750.6	1750.6
42.5°	1715.5	1697.9	1686.2	1668.6	1674.5
45°	1633.5	1610.1	1598.4	1586.7	1586.7
47.5°	1551.5	1528.1	1516.4	1504.7	1504.7
50°	1463.7	1440.3	1428.6	1416.9	1416.9
52.5°	1370.0	1346.6	1334.9	1329.0	1329.0
55°	1264.6	1241.2	1235.4	1223.7	1223.7
57.5°	1165.1	1147.5	1135.8	1135.8	1130.0
60°	1071.4	1048.0	1042.2	1036.3	1036.3
62.5°	966.0	954.3	942.6	936.8	930.9
65°	866.5	854.8	843.1	837.2	837.2
67.5°	767.0	755.3	743.6	743.6	743.6
70°	667.4	655.7	644.0	644.0	644.0
72.5°	567.9	556.2	550.4	544.5	544.5
75°	468.4	462.5	456.7	445.0	445.0
77.5°	374.7	368.9	363.0	357.1	351.3
80°	286.9	281.0	275.2	263.5	263.5
82.5°	204.9	193.2	193.2	181.5	181.5
85°	128.8	117.1	111.2	105.4	111.2
87.5°	58.5	52.7	46.8	41.0	41.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)