

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-L8SCT3-4000K-HI**

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-L8SCT3-4000K-HI
Description: 8FT RIBBON LED LUMINAIRE WITH 4000K LEDS AT HI LUMEN OUTPUT SETTING
Light Source: -
Ballast/Driver: -

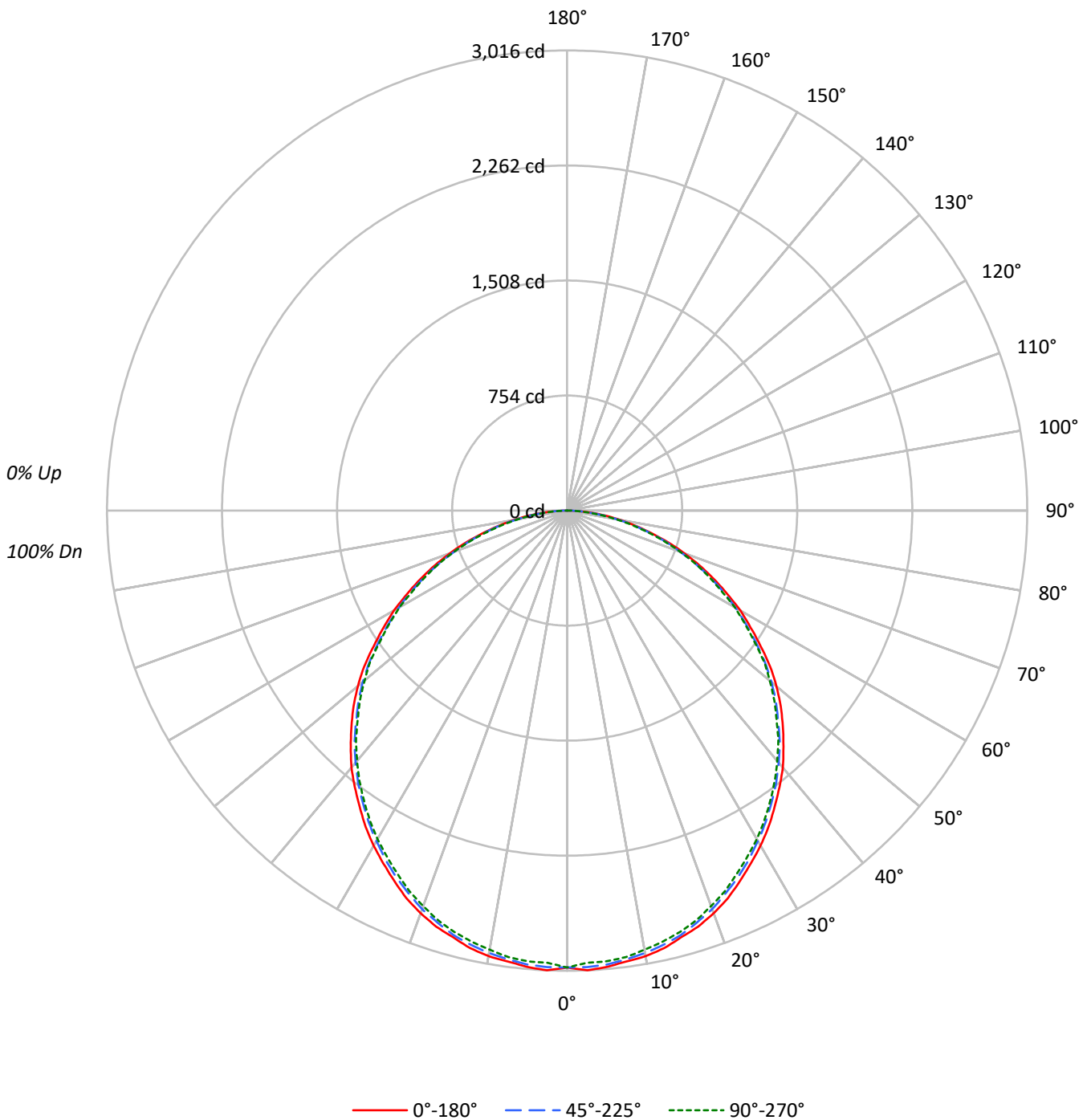
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8428.0 lumens
Efficiency: N/A
Efficacy: 112.7 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): 74.77
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°	8058	8058	8058
5°	8108	8069	8011
10°	8104	8045	7987
15°	8063	8023	7963
20°	8042	7960	7898
25°	7955	7870	7806
30°	7880	7769	7724
35°	7790	7672	7625
40°	7726	7575	7524
45°	7606	7443	7388
50°	7498	7318	7258
55°	7260	7092	7024
60°	7056	6863	6824
65°	6751	6569	6523
70°	6426	6200	6200
75°	5959	5810	5660
80°	5439	5218	4996
85°	4866	4202	4202



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	283.5	3.4
10°-20°	811.5	9.6
20°-30°	1221.0	14.5
30°-40°	1463.2	17.4
40°-50°	1513.2	18.0
50°-60°	1356.0	16.1
60°-70°	1026.0	12.2
70°-80°	591.0	7.0
80°-90°	162.5	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°	2316.0	27.5
0°-40°	3779.2	44.8
0°-60°	6648.5	78.9
0°-90°	8428.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8428.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2994	2994	2994	2994	2994	
5°	3002	2994	2987	2973	2966	285
15°	2894	2887	2880	2866	2858	818
25°	2679	2665	2651	2629	2629	1236
35°	2371	2350	2335	2321	2321	1485
45°	1999	1970	1956	1941	1941	1543
55°	1547	1519	1512	1497	1497	1386
65°	1060	1046	1032	1024	1024	1050
75°	573	566	559	544	544	609
85°	158	143	136	129	136	178
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2994.5	2994.5	2994.5	2994.5	2994.5
2.5°	3016.0	3001.6	2994.5	2973.0	2965.8
5°	3001.6	2994.5	2987.3	2973.0	2965.8
7.5°	2980.1	2973.0	2965.8	2958.7	2951.5
10°	2965.8	2958.7	2944.3	2930.0	2922.8
12.5°	2937.2	2922.8	2915.7	2894.2	2894.2
15°	2894.2	2887.0	2879.8	2865.5	2858.4
17.5°	2858.4	2844.0	2829.7	2822.5	2815.4
20°	2808.2	2786.7	2779.6	2765.2	2758.1
22.5°	2750.9	2729.4	2715.1	2700.8	2700.8
25°	2679.3	2664.9	2650.6	2629.1	2629.1
27.5°	2607.6	2586.1	2579.0	2557.5	2557.5
30°	2536.0	2514.5	2500.2	2485.8	2485.8
32.5°	2457.2	2435.7	2421.4	2407.0	2407.0
35°	2371.2	2349.7	2335.4	2321.1	2321.1
37.5°	2285.3	2263.8	2249.4	2227.9	2235.1
40°	2199.3	2170.6	2156.3	2142.0	2142.0
42.5°	2099.0	2077.5	2063.2	2041.7	2048.8
45°	1998.7	1970.0	1955.7	1941.4	1941.4
47.5°	1898.4	1869.8	1855.4	1841.1	1841.1
50°	1791.0	1762.3	1748.0	1733.6	1733.6
52.5°	1676.3	1647.7	1633.3	1626.2	1626.2
55°	1547.4	1518.7	1511.6	1497.2	1497.2
57.5°	1425.6	1404.1	1389.8	1389.8	1382.6
60°	1311.0	1282.3	1275.2	1268.0	1268.0
62.5°	1182.0	1167.7	1153.4	1146.2	1139.0
65°	1060.2	1045.9	1031.6	1024.4	1024.4
67.5°	938.5	924.1	909.8	909.8	909.8
70°	816.7	802.3	788.0	788.0	788.0
72.5°	694.9	680.6	673.4	666.2	666.2
75°	573.1	565.9	558.8	544.4	544.4
77.5°	458.5	451.3	444.2	437.0	429.8
80°	351.0	343.9	336.7	322.4	322.4
82.5°	250.7	236.4	236.4	222.1	222.1
85°	157.6	143.3	136.1	128.9	136.1
87.5°	71.6	64.5	57.3	50.1	50.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)