

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-HI**

Issue Date: 3/3/2020



**Test Information**

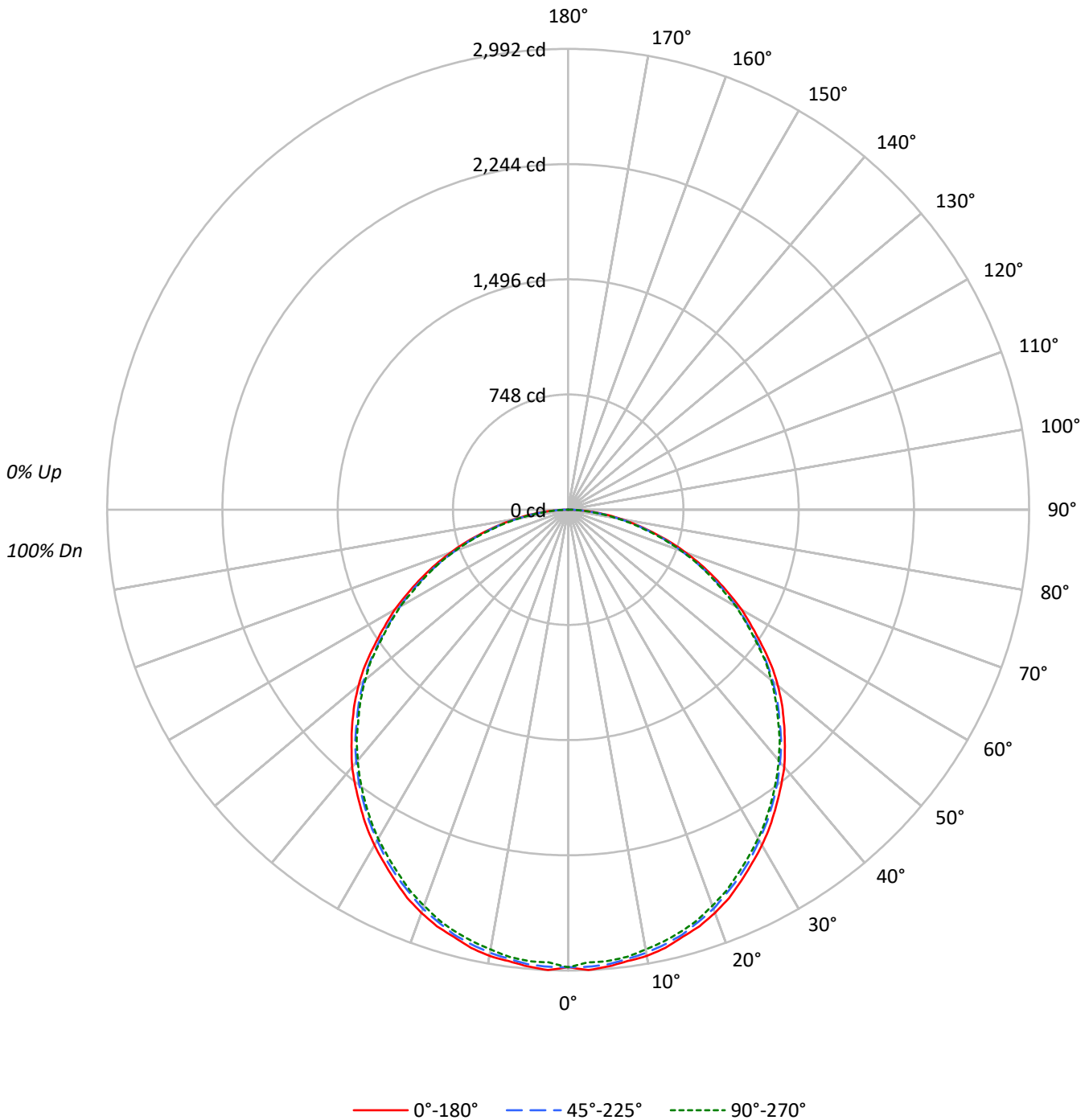
Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1901-099-1)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8RBG6-SL1-L8SCT3-3500K-HI  
Description: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

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8360.1 lumens  
Efficiency: N/A  
Efficacy: 111.8 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°	7993	7993	7993
5°	8043	8004	7947
10°	8039	7981	7922
15°	7998	7958	7899
20°	7977	7895	7834
25°	7891	7807	7743
30°	7816	7706	7662
35°	7727	7610	7563
40°	7663	7514	7464
45°	7545	7383	7328
50°	7437	7259	7199
55°	7201	7035	6968
60°	6999	6808	6769
65°	6697	6516	6471
70°	6374	6150	6150
75°	5911	5763	5615
80°	5396	5176	4956
85°	4826	4168	4168



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	281.2	3.4
10°-20°	804.9	9.6
20°-30°	1211.2	14.5
30°-40°	1451.4	17.4
40°-50°	1501.0	18.0
50°-60°	1345.1	16.1
60°-70°	1017.8	12.2
70°-80°	586.3	7.0
80°-90°	161.2	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°	2297.3	27.5
0°-40°	3748.7	44.8
0°-60°	6594.9	78.9
0°-90°	8360.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8360.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2970	2970	2970	2970	2970	
5°	2977	2970	2963	2949	2942	283
15°	2871	2864	2857	2842	2835	812
25°	2658	2643	2629	2608	2608	1226
35°	2352	2331	2317	2302	2302	1473
45°	1983	1954	1940	1926	1926	1530
55°	1535	1506	1499	1485	1485	1375
65°	1052	1038	1023	1016	1016	1042
75°	568	561	554	540	540	604
85°	156	142	135	128	135	177
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2970.3	2970.3	2970.3	2970.3	2970.3
2.5°	2991.6	2977.4	2970.3	2949.0	2941.9
5°	2977.4	2970.3	2963.2	2949.0	2941.9
7.5°	2956.1	2949.0	2941.9	2934.8	2927.7
10°	2941.9	2934.8	2920.6	2906.4	2899.2
12.5°	2913.5	2899.2	2892.1	2870.8	2870.8
15°	2870.8	2863.7	2856.6	2842.4	2835.3
17.5°	2835.3	2821.1	2806.9	2799.8	2792.7
20°	2785.6	2764.2	2757.1	2742.9	2735.8
22.5°	2728.7	2707.4	2693.2	2679.0	2679.0
25°	2657.6	2643.4	2629.2	2607.9	2607.9
27.5°	2586.6	2565.3	2558.2	2536.8	2536.8
30°	2515.5	2494.2	2480.0	2465.8	2465.8
32.5°	2437.4	2416.0	2401.8	2387.6	2387.6
35°	2352.1	2330.8	2316.6	2302.3	2302.3
37.5°	2266.8	2245.5	2231.3	2210.0	2217.1
40°	2181.5	2153.1	2138.9	2124.7	2124.7
42.5°	2082.1	2060.7	2046.5	2025.2	2032.3
45°	1982.6	1954.2	1939.9	1925.7	1925.7
47.5°	1883.1	1854.7	1840.5	1826.2	1826.2
50°	1776.5	1748.1	1733.9	1719.7	1719.7
52.5°	1662.8	1634.4	1620.2	1613.1	1613.1
55°	1534.9	1506.5	1499.4	1485.2	1485.2
57.5°	1414.1	1392.8	1378.6	1378.6	1371.5
60°	1300.4	1272.0	1264.9	1257.8	1257.8
62.5°	1172.5	1158.3	1144.1	1137.0	1129.9
65°	1051.7	1037.5	1023.3	1016.2	1016.2
67.5°	930.9	916.7	902.5	902.5	902.5
70°	810.1	795.9	781.7	781.7	781.7
72.5°	689.3	675.1	668.0	660.9	660.9
75°	568.5	561.4	554.3	540.1	540.1
77.5°	454.8	447.7	440.6	433.5	426.4
80°	348.2	341.1	334.0	319.8	319.8
82.5°	248.7	234.5	234.5	220.3	220.3
85°	156.3	142.1	135.0	127.9	135.0
87.5°	71.1	64.0	56.8	49.7	49.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)