

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

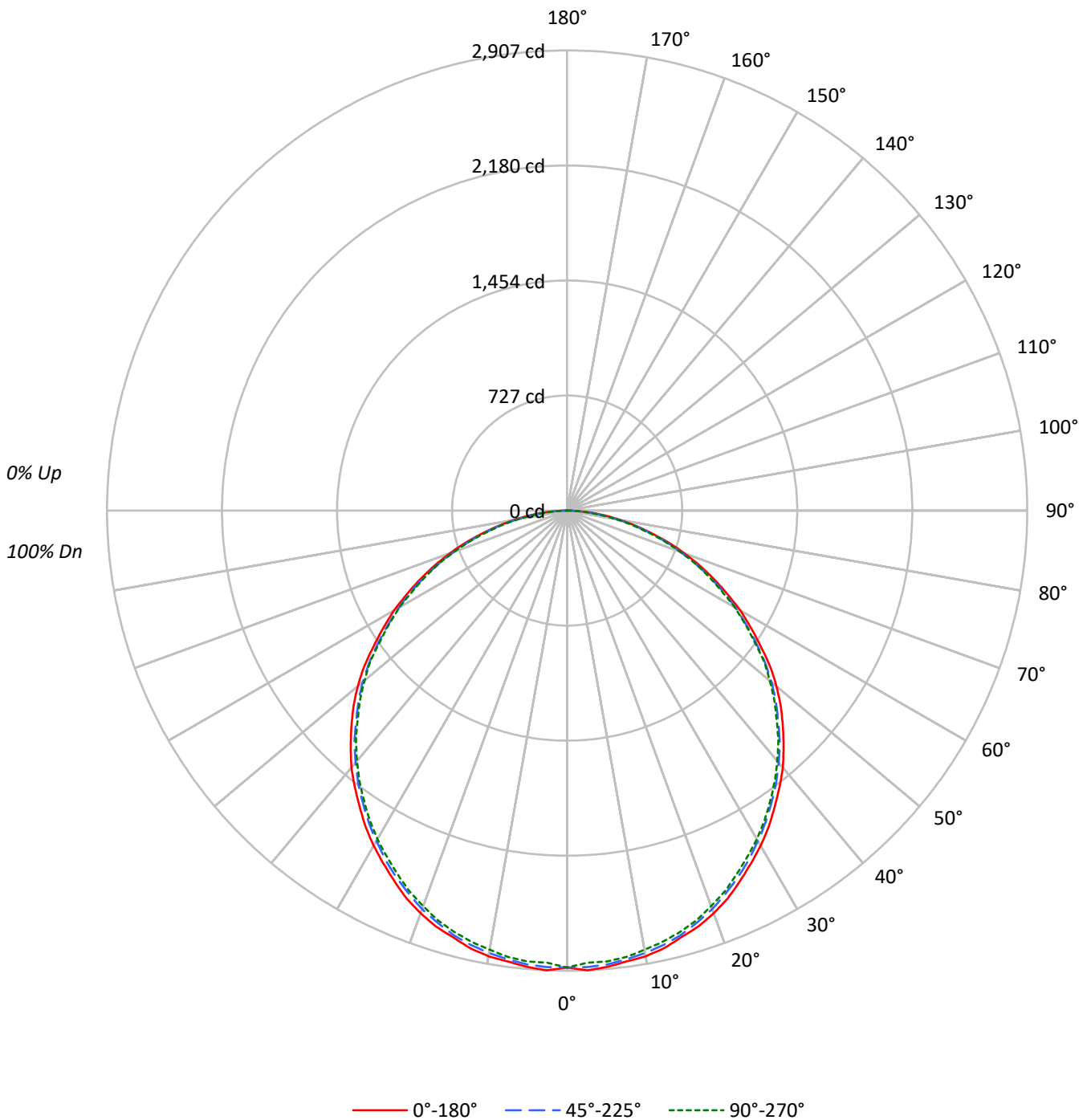
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8124.0 lumens
Efficiency: N/A
Efficacy: 108.7 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°	7768	7768	7768
5°	7816	7779	7722
10°	7812	7755	7699
15°	7772	7734	7676
20°	7752	7673	7613
25°	7668	7586	7525
30°	7596	7489	7446
35°	7509	7395	7350
40°	7447	7301	7253
45°	7332	7174	7122
50°	7227	7054	6996
55°	6998	6836	6771
60°	6801	6616	6578
65°	6507	6332	6288
70°	6194	5976	5976
75°	5743	5600	5456
80°	5244	5030	4815
85°	4690	4051	4051



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	273.3	3.4
10°-20°	782.2	9.6
20°-30°	1177.0	14.5
30°-40°	1410.5	17.4
40°-50°	1458.6	18.0
50°-60°	1307.1	16.1
60°-70°	989.0	12.2
70°-80°	569.7	7.0
80°-90°	156.6	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°	2232.5	27.5
0°-40°	3642.9	44.8
0°-60°	6408.7	78.9
0°-90°	8124.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8124.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2886	2886	2886	2886	2886	
5°	2893	2886	2880	2866	2859	275
15°	2790	2783	2776	2762	2755	789
25°	2583	2569	2555	2534	2534	1191
35°	2286	2265	2251	2237	2237	1431
45°	1927	1899	1885	1871	1871	1487
55°	1492	1464	1457	1443	1443	1336
65°	1022	1008	994	988	988	1012
75°	552	546	539	525	525	587
85°	152	138	131	124	131	172
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2886.5	2886.5	2886.5	2886.5	2886.5
2.5°	2907.2	2893.4	2886.5	2865.7	2858.8
5°	2893.4	2886.5	2879.6	2865.7	2858.8
7.5°	2872.6	2865.7	2858.8	2851.9	2845.0
10°	2858.8	2851.9	2838.1	2824.3	2817.4
12.5°	2831.2	2817.4	2810.5	2789.8	2789.8
15°	2789.8	2782.9	2776.0	2762.2	2755.3
17.5°	2755.3	2741.4	2727.6	2720.7	2713.8
20°	2706.9	2686.2	2679.3	2665.5	2658.6
22.5°	2651.7	2631.0	2617.1	2603.3	2603.3
25°	2582.6	2568.8	2555.0	2534.3	2534.3
27.5°	2513.6	2492.9	2485.9	2465.2	2465.2
30°	2444.5	2423.8	2410.0	2396.2	2396.2
32.5°	2368.6	2347.8	2334.0	2320.2	2320.2
35°	2285.7	2265.0	2251.2	2237.4	2237.4
37.5°	2202.8	2182.1	2168.3	2147.6	2154.5
40°	2120.0	2092.3	2078.5	2064.7	2064.7
42.5°	2023.3	2002.6	1988.8	1968.0	1974.9
45°	1926.6	1899.0	1885.2	1871.4	1871.4
47.5°	1829.9	1802.3	1788.5	1774.7	1774.7
50°	1726.4	1698.7	1684.9	1671.1	1671.1
52.5°	1615.9	1588.2	1574.4	1567.5	1567.5
55°	1491.6	1463.9	1457.0	1443.2	1443.2
57.5°	1374.2	1353.5	1339.6	1339.6	1332.7
60°	1263.7	1236.1	1229.2	1222.3	1222.3
62.5°	1139.4	1125.6	1111.8	1104.9	1098.0
65°	1022.0	1008.2	994.4	987.5	987.5
67.5°	904.6	890.8	877.0	877.0	877.0
70°	787.2	773.4	759.6	759.6	759.6
72.5°	669.8	656.0	649.1	642.2	642.2
75°	552.4	545.5	538.6	524.8	524.8
77.5°	441.9	435.0	428.1	421.2	414.3
80°	338.4	331.5	324.6	310.7	310.7
82.5°	241.7	227.9	227.9	214.1	214.1
85°	151.9	138.1	131.2	124.3	131.2
87.5°	69.1	62.1	55.2	48.3	48.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)