

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

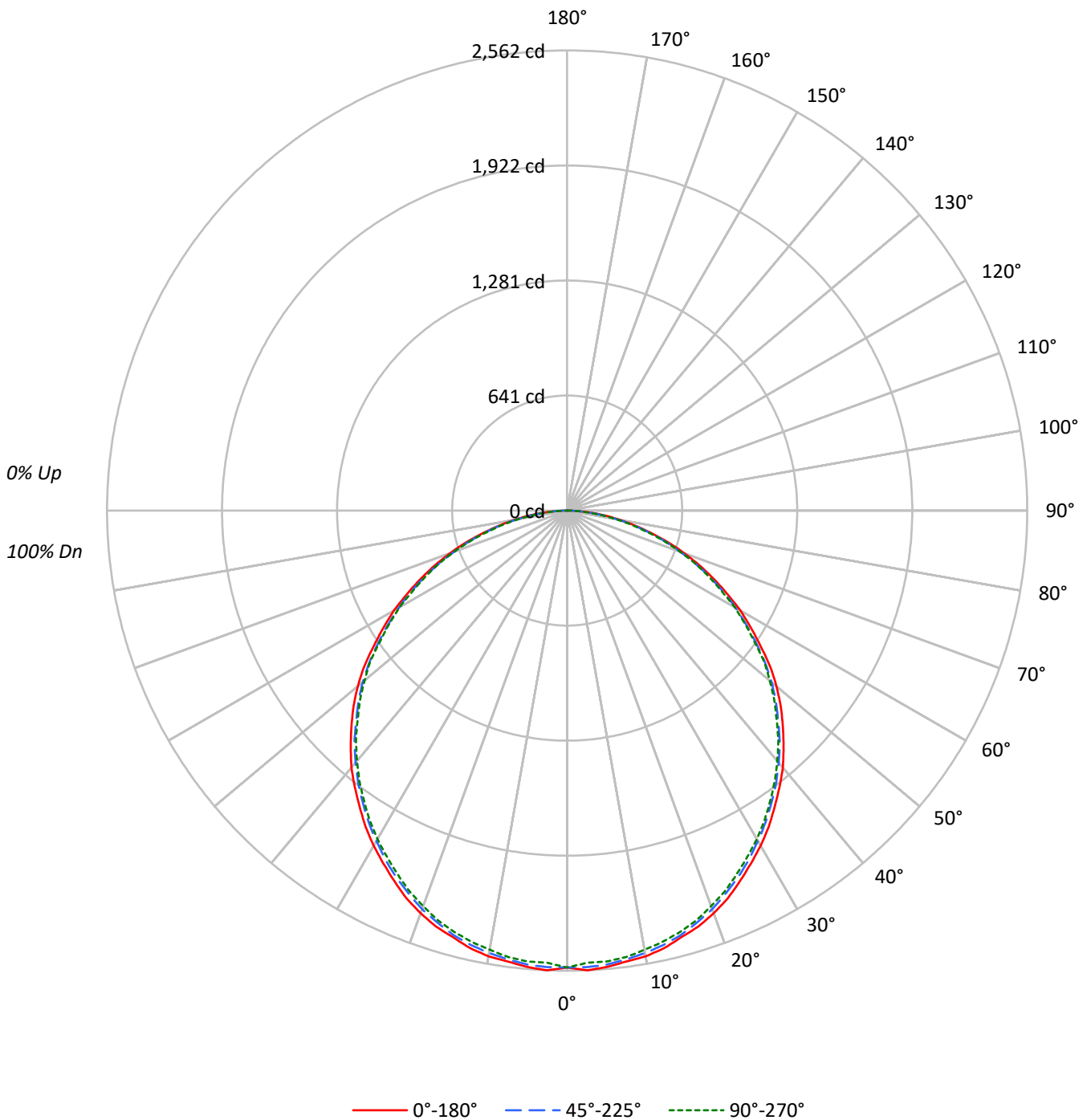
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7160.0 lumens
Efficiency: N/A
Efficacy: 115.3 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°	6846	6846	6846
5°	6888	6856	6806
10°	6885	6835	6785
15°	6850	6816	6765
20°	6832	6762	6710
25°	6758	6686	6632
30°	6694	6600	6562
35°	6618	6518	6478
40°	6563	6435	6392
45°	6462	6323	6277
50°	6370	6217	6166
55°	6168	6024	5968
60°	5994	5830	5797
65°	5735	5580	5542
70°	5459	5268	5268
75°	5062	4936	4809
80°	4621	4432	4245
85°	4134	3569	3569



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	240.8	3.4
10°-20°	689.4	9.6
20°-30°	1037.3	14.5
30°-40°	1243.1	17.4
40°-50°	1285.6	18.0
50°-60°	1152.0	16.1
60°-70°	871.7	12.2
70°-80°	502.1	7.0
80°-90°	138.0	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°	1967.6	27.5
0°-40°	3210.6	44.8
0°-60°	5648.2	78.9
0°-90°	7160.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7160.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2544	2544	2544	2544	2544	
5°	2550	2544	2538	2526	2520	242
15°	2459	2453	2447	2434	2428	695
25°	2276	2264	2252	2234	2234	1050
35°	2014	1996	1984	1972	1972	1261
45°	1698	1674	1662	1649	1649	1311
55°	1315	1290	1284	1272	1272	1178
65°	901	889	876	870	870	892
75°	487	481	475	462	462	518
85°	134	122	116	110	116	152
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2543.9	2543.9	2543.9	2543.9	2543.9
2.5°	2562.2	2550.0	2543.9	2525.7	2519.6
5°	2550.0	2543.9	2537.9	2525.7	2519.6
7.5°	2531.8	2525.7	2519.6	2513.5	2507.4
10°	2519.6	2513.5	2501.3	2489.2	2483.1
12.5°	2495.3	2483.1	2477.0	2458.7	2458.7
15°	2458.7	2452.7	2446.6	2434.4	2428.3
17.5°	2428.3	2416.1	2404.0	2397.9	2391.8
20°	2385.7	2367.5	2361.4	2349.2	2343.1
22.5°	2337.0	2318.8	2306.6	2294.4	2294.4
25°	2276.2	2264.0	2251.8	2233.6	2233.6
27.5°	2215.3	2197.0	2191.0	2172.7	2172.7
30°	2154.4	2136.2	2124.0	2111.8	2111.8
32.5°	2087.5	2069.2	2057.1	2044.9	2044.9
35°	2014.5	1996.2	1984.0	1971.9	1971.9
37.5°	1941.4	1923.2	1911.0	1892.7	1898.8
40°	1868.4	1844.1	1831.9	1819.7	1819.7
42.5°	1783.2	1764.9	1752.8	1734.5	1740.6
45°	1698.0	1673.7	1661.5	1649.3	1649.3
47.5°	1612.8	1588.4	1576.3	1564.1	1564.1
50°	1521.5	1497.2	1485.0	1472.8	1472.8
52.5°	1424.1	1399.8	1387.6	1381.5	1381.5
55°	1314.6	1290.2	1284.1	1272.0	1272.0
57.5°	1211.1	1192.9	1180.7	1180.7	1174.6
60°	1113.7	1089.4	1083.3	1077.2	1077.2
62.5°	1004.2	992.0	979.8	973.8	967.7
65°	900.7	888.6	876.4	870.3	870.3
67.5°	797.3	785.1	772.9	772.9	772.9
70°	693.8	681.6	669.5	669.5	669.5
72.5°	590.3	578.2	572.1	566.0	566.0
75°	486.9	480.8	474.7	462.5	462.5
77.5°	389.5	383.4	377.3	371.2	365.2
80°	298.2	292.1	286.0	273.9	273.9
82.5°	213.0	200.8	200.8	188.7	188.7
85°	133.9	121.7	115.6	109.5	115.6
87.5°	60.9	54.8	48.7	42.6	42.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)