

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: McGRAW-EDISON

Report Number: P588388

Luminaire Tested: **GAT-CA6-LED-110-750-U-33-5-X-X**

Issue Date: 11/30/2021

Test Information

Test Method: LM-79-08
Report Number: P588388
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2107-308-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 11/30/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GAT-CA6-LED-110-750-U-33-5-X-X
Description: GENERATIONS SERIES AVENUE WITH NO CAGE AND TYPE III REFRACTOR
Light Source: (6) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15255 lumens
Efficiency: N/A
Efficacy: 136.0 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 1.25')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B4 - U5 - G5

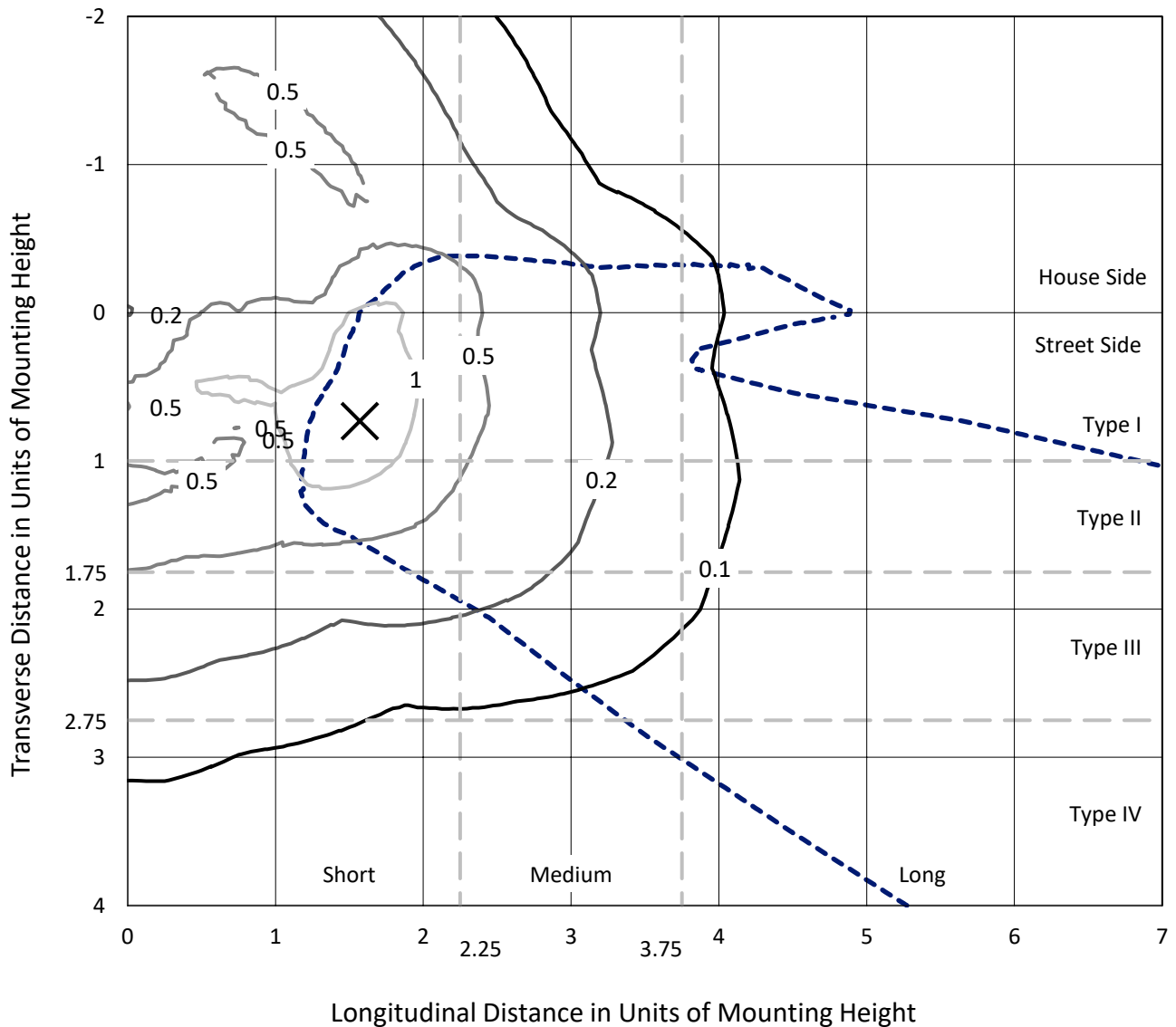
Input Watts (W): 112.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

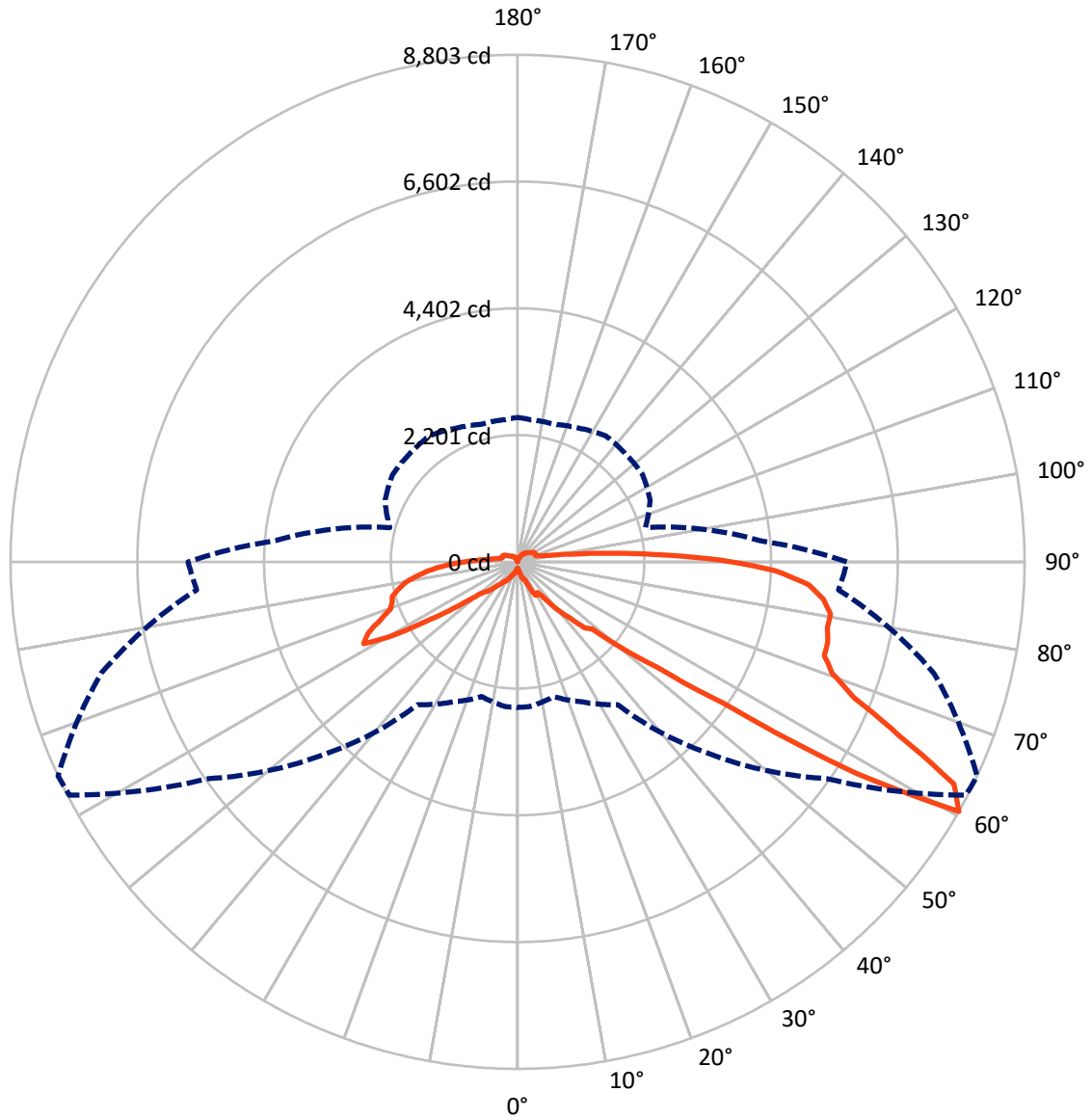
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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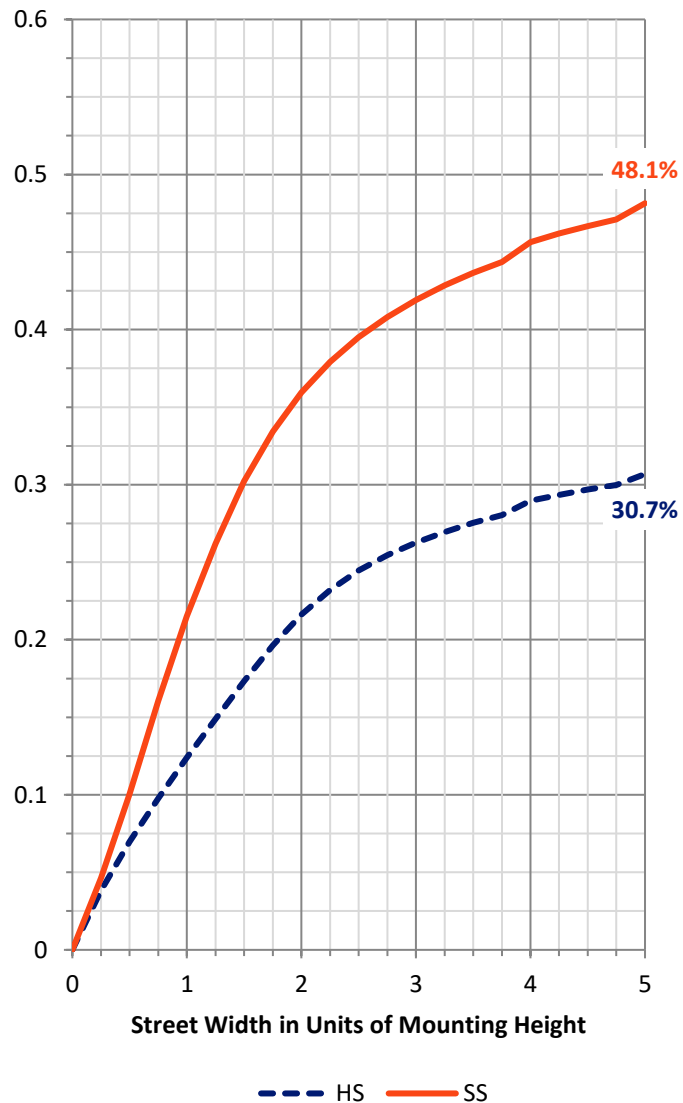
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5087.2	814.7	5901.8
	% Fixture	33.3	5.3	38.7
Street Side	Lumens	8138.8	1214.3	9353.1
	% Fixture	53.4	8.0	61.3
Total	Lumens	13226.0	2029.0	15255.0
	% Fixture	86.7	13.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.6	0.1
10°-20°	65.1	0.4
20°-30°	186.3	1.2
30°-40°	401.2	2.6
40°-50°	759.2	5.0
50°-60°	2121.0	13.9
60°-70°	3781.3	24.8
70°-80°	3310.5	21.7
80°-90°	2586.6	17.0
90°-100°	977.9	6.4
100°-110°	336.4	2.2
110°-120°	275.0	1.8
120°-130°	184.8	1.2
130°-140°	126.8	0.8
140°-150°	79.7	0.5
150°-160°	37.0	0.2
160°-170°	10.4	0.1
170°-180°	0.9	0.0
0°-90°	13226.0	86.7
0°-180°	15255.0	100.0

Coefficient of Utilization



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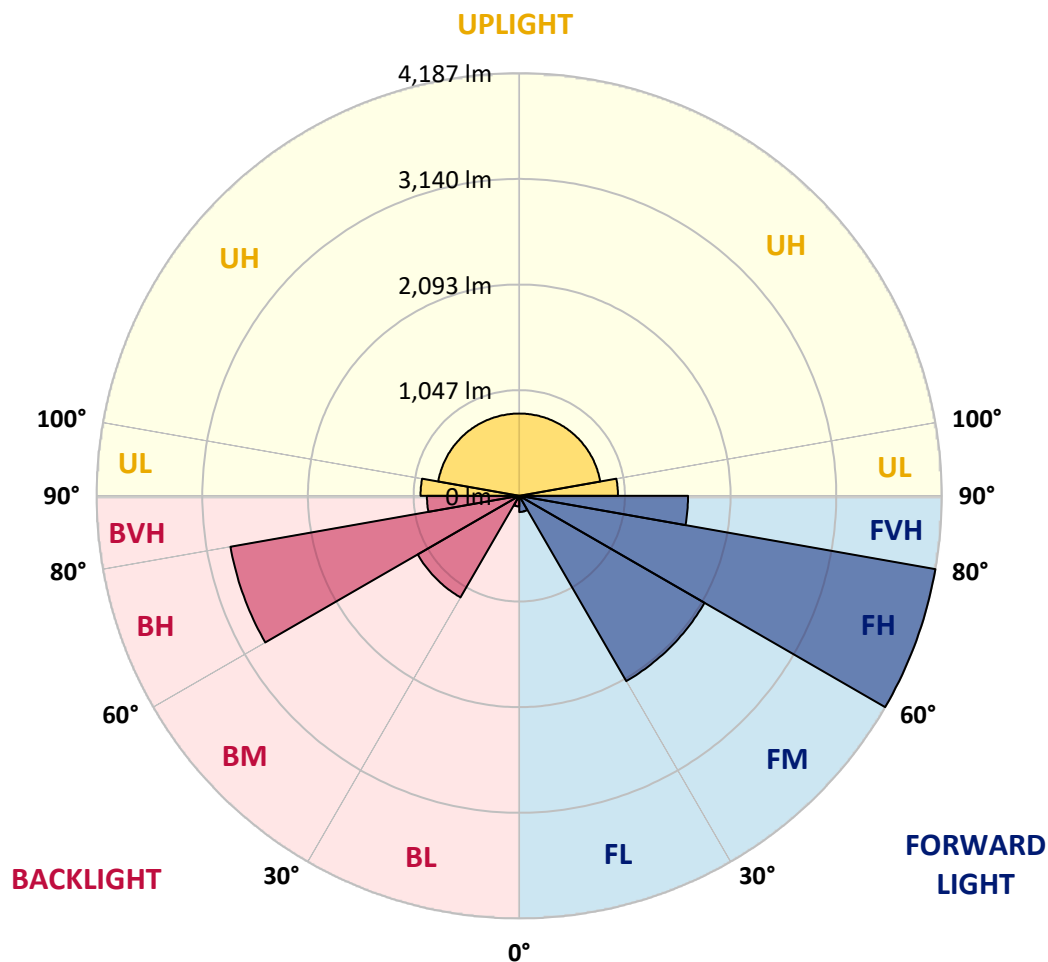
CATALOG NUMBER: GAT-CA6-LED-110-750-U-33-5-X-X

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	160.7	1.1			
FM (30°-60°)	2119.5	13.9			
FH (60°-80°)	4186.6	27.4			G2/5000
FVH (80°-90°)	1671.9	11.0			G5
BL (0°-30°)	105.4	0.7	B0/110		
BM (30°-60°)	1161.9	7.6	B2/2500		
BH (60°-80°)	2905.2	19.0	B4/5000		G4/5000
BVH (80°-90°)	914.7	6.0			G5
UL (90°-100°)	977.9	6.4		U4/1000	
UH (100°-180°)	814.7	5.3		U4/1000	

BUG Rating: B4-U5-G5

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	62.5°	65°	75°	85°
0°	116.7	116.7	116.7	116.7	116.7	116.7	116.7	116.7	116.7	116.7	116.7
2.5°	134.5	130.5	126.6	126.6	124.6	122.6	122.6	118.7	120.6	118.7	118.7
5°	158.2	156.2	152.3	154.3	150.3	148.3	148.3	146.4	144.4	142.4	136.5
7.5°	183.9	183.9	185.9	187.9	182.0	176.0	174.0	170.1	170.1	168.1	164.2
10°	211.6	209.6	201.7	201.7	197.8	193.8	195.8	193.8	193.8	193.8	185.9
12.5°	219.5	217.6	211.6	211.6	211.6	209.6	217.6	215.6	217.6	215.6	203.7
15°	247.2	245.2	243.3	245.2	253.2	269.0	288.8	280.8	282.8	278.9	235.4
17.5°	259.1	265.0	269.0	271.0	278.9	278.9	282.8	280.8	288.8	294.7	269.0
20°	300.6	296.7	300.6	314.5	334.2	336.2	330.3	330.3	334.2	336.2	286.8
22.5°	318.4	316.4	332.3	320.4	320.4	330.3	365.9	354.0	354.0	350.1	308.5
25°	413.4	421.3	437.1	456.9	504.3	518.2	557.7	514.2	520.2	458.8	391.6
27.5°	496.4	502.4	595.3	678.4	716.0	696.2	729.8	648.7	656.6	664.5	571.6
30°	522.1	534.0	668.5	729.8	779.2	739.7	783.2	676.4	670.5	716.0	678.4
32.5°	502.4	514.2	656.6	682.3	733.8	880.1	824.7	652.7	634.9	656.6	702.1
35°	551.8	559.7	644.8	583.4	630.9	1230.2	1079.9	761.4	725.8	605.2	672.4
37.5°	662.6	662.6	763.4	806.9	842.5	1451.7	1418.1	947.4	919.7	708.0	777.3
40°	803.0	799.0	923.6	953.3	969.1	1315.2	1714.7	1208.4	1147.1	832.6	1012.6
42.5°	888.0	880.1	981.0	1012.6	1012.6	1113.5	1940.2	1471.5	1329.1	971.1	1238.1
45°	921.6	929.6	1060.1	1020.5	1050.2	1143.2	2181.5	1835.4	1635.6	1139.2	1435.9
47.5°	834.6	846.5	1034.4	1038.3	888.0	913.7	1956.0	1906.6	1742.4	1220.3	1499.2
50°	1024.5	1032.4	1099.6	1054.2	981.0	1157.0	2329.8	2450.5	2379.3	1511.0	1582.2
52.5°	1406.2	1441.8	1505.1	1544.7	1522.9	1944.2	3124.9	3103.1	3043.8	2268.5	2159.7
55°	1821.5	1851.2	1940.2	2179.5	2361.5	2911.3	3886.4	4341.2	4337.3	3684.6	3366.2
57.5°	2199.3	2201.3	2213.1	2507.8	2788.7	3801.3	5090.8	6762.1	6912.4	5885.9	4819.9
60°	2527.6	2521.7	2420.8	2683.9	3026.0	4713.1	6562.3	8773.5	8803.1	7483.9	5591.2
62.5°	2616.6	2598.8	2452.5	2697.7	2990.4	4730.9	6938.1	8534.2	8500.5	7596.7	5692.1
65°	2539.5	2521.7	2335.8	2555.3	2693.7	4299.7	6408.0	7339.6	7284.2	6940.1	5419.1
67.5°	2424.8	2436.6	2252.7	2420.8	2515.7	4032.7	5850.3	6315.1	6299.3	6467.4	5191.7
70°	2258.6	2268.5	2100.4	2308.1	2446.5	3862.6	5316.3	5820.6	5792.9	6040.2	4857.4
72.5°	2264.6	2294.2	2094.5	2250.7	2395.1	3629.2	5075.0	5650.5	5569.4	5607.0	4456.0
75°	2280.4	2319.9	2108.3	2248.7	2383.2	3544.2	5047.3	5664.4	5561.5	5450.8	4303.7
77.5°	2286.3	2343.7	2116.2	2270.5	2387.2	3427.5	4984.0	5595.2	5498.2	5300.5	4123.7
80°	2238.9	2300.2	2082.6	2272.5	2361.5	3196.1	4823.8	5583.3	5510.1	5280.7	4050.5
82.5°	2143.9	2205.2	2017.3	2173.6	2312.0	2960.7	4598.4	5351.9	5347.9	5090.8	3896.2
85°	1936.3	2003.5	1861.1	2005.5	2175.6	2648.3	4143.5	4958.3	5067.1	4859.4	3688.6
87.5°	1736.5	1803.7	1728.6	1809.7	1981.7	2302.1	3560.0	4279.9	4483.6	4311.6	3168.4
90°	1509.1	1578.3	1517.0	1485.3	1623.8	1837.4	2846.0	3328.6	3520.5	3415.6	2331.8
92.5°	1208.4	1267.8	1210.4	1137.2	1220.3	1348.9	2114.3	2329.8	2375.3	2274.5	1528.8
95°	913.7	957.2	905.8	832.6	842.5	923.6	1457.6	1526.9	1515.0	1394.3	971.1
97.5°	634.9	660.6	627.0	575.5	593.3	644.8	965.2	957.2	957.2	852.4	634.9
100°	441.0	450.9	435.1	411.4	425.2	458.8	648.7	646.7	627.0	575.5	462.8
102.5°	350.1	352.0	336.2	320.4	312.5	344.1	468.7	466.8	470.7	447.0	361.9
105°	308.5	306.6	292.7	278.9	263.0	294.7	371.8	387.6	385.7	365.9	310.5
107.5°	282.8	280.8	267.0	255.1	241.3	269.0	322.4	344.1	342.2	340.2	292.7
110°	263.0	261.1	249.2	237.3	225.5	257.1	302.6	336.2	336.2	336.2	296.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	62.5°	65°	75°	85°
112.5°	249.2	249.2	239.3	229.4	219.5	255.1	290.7	330.3	330.3	340.2	310.5
115°	241.3	239.3	231.4	225.5	217.6	257.1	286.8	326.3	328.3	342.2	308.5
117.5°	235.4	233.4	227.4	219.5	215.6	253.2	288.8	334.2	332.3	354.0	302.6
120°	225.5	221.5	213.6	205.7	201.7	233.4	280.8	324.4	320.4	330.3	278.9
122.5°	217.6	205.7	191.8	185.9	185.9	211.6	263.0	292.7	288.8	280.8	251.2
125°	199.8	187.9	176.0	174.0	176.0	197.8	251.2	269.0	271.0	265.0	237.3
127.5°	180.0	172.1	166.1	166.1	170.1	193.8	247.2	259.1	259.1	247.2	225.5
130°	170.1	168.1	164.2	164.2	172.1	195.8	241.3	245.2	245.2	229.4	219.5
132.5°	166.1	162.2	158.2	158.2	166.1	189.9	225.5	233.4	231.4	215.6	207.7
135°	158.2	156.2	152.3	152.3	162.2	185.9	211.6	219.5	217.6	197.8	191.8
137.5°	154.3	150.3	150.3	150.3	160.2	183.9	199.8	205.7	203.7	183.9	178.0
140°	148.3	146.4	142.4	142.4	156.2	178.0	187.9	189.9	187.9	172.1	166.1
142.5°	138.4	136.5	134.5	138.4	152.3	168.1	176.0	176.0	174.0	164.2	156.2
145°	132.5	130.5	128.6	138.4	150.3	158.2	166.1	160.2	160.2	154.3	146.4
147.5°	126.6	124.6	124.6	132.5	142.4	142.4	148.3	146.4	148.3	146.4	138.4
150°	114.7	112.7	112.7	118.7	120.6	120.6	126.6	126.6	126.6	126.6	120.6
152.5°	100.9	98.9	100.9	102.8	102.8	102.8	106.8	108.8	108.8	106.8	104.8
155°	87.0	87.0	87.0	89.0	89.0	87.0	93.0	93.0	93.0	93.0	91.0
157.5°	77.1	77.1	77.1	77.1	77.1	75.2	79.1	79.1	81.1	79.1	79.1
160°	67.2	65.3	65.3	65.3	65.3	63.3	65.3	65.3	65.3	67.2	67.2
162.5°	53.4	51.4	51.4	51.4	51.4	47.5	51.4	49.4	51.4	51.4	53.4
165°	43.5	41.5	41.5	41.5	39.6	37.6	39.6	37.6	37.6	37.6	39.6
167.5°	33.6	33.6	31.6	33.6	31.6	27.7	27.7	25.7	25.7	25.7	25.7
170°	25.7	23.7	21.8	23.7	21.8	17.8	17.8	15.8	15.8	13.8	13.8
172.5°	17.8	15.8	13.8	15.8	13.8	9.9	9.9	5.9	5.9	5.9	5.9
175°	15.8	13.8	11.9	13.8	11.9	7.9	5.9	4.0	4.0	4.0	4.0
177.5°	15.8	13.8	11.9	13.8	11.9	7.9	5.9	4.0	4.0	4.0	4.0
180°	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	116.7	116.7	116.7	116.7	116.7	116.7	116.7	116.7	116.7	116.7	116.7
2.5°	118.7	116.7	114.7	118.7	116.7	118.7	120.6	122.6	122.6	120.6	120.6
5°	136.5	134.5	130.5	128.6	124.6	124.6	124.6	128.6	128.6	126.6	128.6
7.5°	162.2	158.2	152.3	148.3	142.4	142.4	140.4	144.4	146.4	142.4	144.4
10°	182.0	180.0	172.1	166.1	160.2	158.2	158.2	160.2	160.2	158.2	158.2
12.5°	199.8	195.8	187.9	182.0	174.0	172.1	172.1	174.0	174.0	172.1	172.1
15°	225.5	213.6	205.7	199.8	191.8	189.9	187.9	189.9	191.8	187.9	187.9
17.5°	261.1	247.2	229.4	213.6	205.7	209.6	211.6	213.6	211.6	205.7	205.7
20°	280.8	272.9	249.2	237.3	227.4	227.4	227.4	227.4	227.4	225.5	227.4
22.5°	294.7	282.8	253.2	245.2	239.3	243.3	247.2	249.2	249.2	247.2	247.2
25°	358.0	314.5	284.8	278.9	271.0	272.9	269.0	269.0	271.0	269.0	272.9
27.5°	492.5	421.3	354.0	330.3	324.4	324.4	328.3	328.3	328.3	328.3	326.3
30°	591.4	508.3	397.5	365.9	361.9	379.7	389.6	397.5	393.6	387.6	387.6
32.5°	607.2	516.2	405.4	393.6	403.5	417.3	427.2	433.1	439.1	437.1	435.1
35°	573.6	476.6	399.5	415.3	423.2	431.2	433.1	429.2	447.0	454.9	456.9
37.5°	640.8	534.0	464.8	476.6	466.8	458.8	462.8	464.8	488.5	500.4	512.2
40°	818.8	644.8	528.1	522.1	516.2	534.0	557.7	569.6	567.6	559.7	561.7
42.5°	990.9	753.5	595.3	593.3	591.4	623.0	660.6	658.6	640.8	627.0	627.0
45°	1166.9	858.4	702.1	704.1	700.1	712.0	721.9	714.0	716.0	719.9	723.9
47.5°	1275.7	953.3	769.4	763.4	737.7	761.4	789.1	771.3	765.4	755.5	759.5
50°	1301.4	977.0	808.9	852.4	828.7	810.9	781.2	769.4	791.1	806.9	818.8
52.5°	1691.0	1206.5	1010.6	1079.9	1048.2	984.9	979.0	959.2	983.0	984.9	998.8
55°	2834.2	1934.3	1392.4	1459.6	1461.6	1439.8	1538.7	1483.3	1433.9	1412.1	1404.2
57.5°	4467.8	2990.4	1801.8	1886.8	1967.9	2045.0	2179.5	2066.8	1924.4	1906.6	1926.4
60°	5721.7	4222.6	2298.2	2537.5	2646.3	2650.2	2668.0	2557.3	2470.3	2478.2	2505.9
62.5°	5990.7	5251.0	2927.1	3026.0	3035.9	2962.7	2994.4	3065.6	2942.9	2846.0	2871.7
65°	5810.7	5658.5	3132.8	2875.7	2859.9	2871.7	3087.3	3285.1	3037.9	2792.6	2792.6
67.5°	5462.6	5347.9	2923.2	2586.9	2630.5	2764.9	3037.9	3136.8	2873.7	2612.7	2612.7
70°	5090.8	4861.4	2687.8	2357.5	2464.3	2620.6	2798.6	2806.5	2652.2	2466.3	2454.4
72.5°	4689.3	4481.7	2586.9	2290.3	2339.7	2367.4	2464.3	2525.6	2507.8	2387.2	2385.2
75°	4570.7	4402.6	2585.0	2258.6	2229.0	2219.1	2286.3	2418.8	2480.1	2408.9	2412.9
77.5°	4390.7	4289.8	2464.3	2126.1	2094.5	2094.5	2130.1	2236.9	2329.8	2300.2	2310.1
80°	4266.1	4113.8	2280.4	1981.7	1938.2	1944.2	1948.1	2021.3	2108.3	2112.3	2112.3
82.5°	4026.8	3740.0	2001.5	1766.2	1736.5	1744.4	1730.6	1772.1	1795.8	1825.5	1819.6
85°	3633.2	3227.7	1691.0	1530.8	1483.3	1467.5	1455.7	1457.6	1471.5	1465.5	1441.8
87.5°	3043.8	2559.3	1348.9	1255.9	1200.5	1161.0	1145.1	1125.4	1123.4	1101.6	1109.5
90°	2246.8	1756.3	1000.8	967.1	927.6	886.0	864.3	844.5	828.7	806.9	799.0
92.5°	1465.5	1131.3	731.8	714.0	688.3	664.5	654.6	644.8	640.8	623.0	628.9
95°	915.7	765.4	549.8	530.0	516.2	510.3	512.2	514.2	510.3	490.5	496.4
97.5°	611.1	553.8	429.2	415.3	401.5	399.5	401.5	405.4	407.4	393.6	397.5
100°	450.9	425.2	352.0	342.2	330.3	326.3	328.3	332.3	334.2	322.4	324.4
102.5°	358.0	346.1	304.6	300.6	286.8	282.8	286.8	288.8	290.7	282.8	282.8
105°	314.5	314.5	280.8	278.9	269.0	265.0	267.0	269.0	271.0	263.0	263.0
107.5°	302.6	304.6	271.0	272.9	267.0	265.0	269.0	272.9	271.0	265.0	263.0
110°	312.5	316.4	271.0	276.9	278.9	282.8	290.7	292.7	292.7	288.8	290.7



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CATALOG NUMBER: GAT-CA6-LED-110-750-U-33-5-X-X

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	322.4	328.3	267.0	280.8	294.7	304.6	318.4	326.3	322.4	320.4	322.4
115°	314.5	318.4	249.2	271.0	296.7	310.5	314.5	314.5	304.6	304.6	306.6
117.5°	304.6	312.5	231.4	249.2	267.0	278.9	276.9	271.0	259.1	255.1	267.0
120°	282.8	306.6	221.5	225.5	227.4	231.4	225.5	219.5	209.6	207.7	215.6
122.5°	261.1	282.8	203.7	199.8	197.8	197.8	195.8	193.8	187.9	189.9	197.8
125°	243.3	255.1	185.9	180.0	178.0	180.0	180.0	180.0	176.0	172.1	172.1
127.5°	229.4	233.4	176.0	168.1	166.1	166.1	166.1	168.1	166.1	160.2	160.2
130°	221.5	219.5	170.1	156.2	154.3	156.2	156.2	158.2	154.3	150.3	150.3
132.5°	205.7	201.7	162.2	148.3	146.4	148.3	148.3	148.3	144.4	140.4	140.4
135°	187.9	183.9	152.3	138.4	136.5	138.4	138.4	140.4	136.5	132.5	132.5
137.5°	174.0	170.1	142.4	130.5	128.6	128.6	130.5	130.5	128.6	124.6	124.6
140°	162.2	158.2	132.5	122.6	118.7	120.6	120.6	120.6	118.7	114.7	114.7
142.5°	152.3	150.3	122.6	112.7	108.8	110.8	110.8	112.7	108.8	104.8	104.8
145°	144.4	140.4	114.7	102.8	100.9	100.9	100.9	102.8	98.9	94.9	94.9
147.5°	136.5	132.5	104.8	93.0	91.0	91.0	91.0	91.0	89.0	85.0	83.1
150°	120.6	118.7	96.9	85.0	81.1	81.1	81.1	79.1	75.2	71.2	71.2
152.5°	102.8	100.9	85.0	75.2	71.2	71.2	69.2	69.2	65.3	63.3	61.3
155°	89.0	89.0	77.1	67.2	63.3	61.3	59.3	59.3	57.4	55.4	53.4
157.5°	79.1	77.1	69.2	61.3	53.4	53.4	51.4	51.4	49.4	47.5	45.5
160°	67.2	67.2	59.3	51.4	45.5	43.5	43.5	41.5	39.6	37.6	37.6
162.5°	53.4	53.4	47.5	41.5	35.6	35.6	33.6	33.6	31.6	29.7	27.7
165°	37.6	37.6	35.6	31.6	27.7	25.7	25.7	25.7	23.7	21.8	21.8
167.5°	25.7	25.7	23.7	21.8	19.8	17.8	19.8	19.8	17.8	15.8	15.8
170°	13.8	13.8	11.9	11.9	9.9	9.9	11.9	13.8	11.9	9.9	7.9
172.5°	5.9	5.9	5.9	5.9	4.0	5.9	7.9	9.9	7.9	5.9	5.9
175°	4.0	4.0	5.9	5.9	4.0	5.9	7.9	9.9	7.9	5.9	5.9
177.5°	4.0	4.0	5.9	5.9	4.0	5.9	7.9	9.9	7.9	5.9	5.9
180°	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9

(END OF REPORT)