

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: P588420

Luminaire Tested: **GAT-CA6-LED-130-722-U-33-5-X-X**

Issue Date: 11/30/2021

Test Information

Test Method: LM-79-08
Report Number: P588420
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-130-722-U-33-5-X-X
Description: GENERATIONS SERIES AVENUE WITH NO CAGE AND TYPE III REFRACTOR
Light Source: (6) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14227 lumens
Efficiency: N/A
Efficacy: 114.5 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 1.25')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B4 - U4 - G5

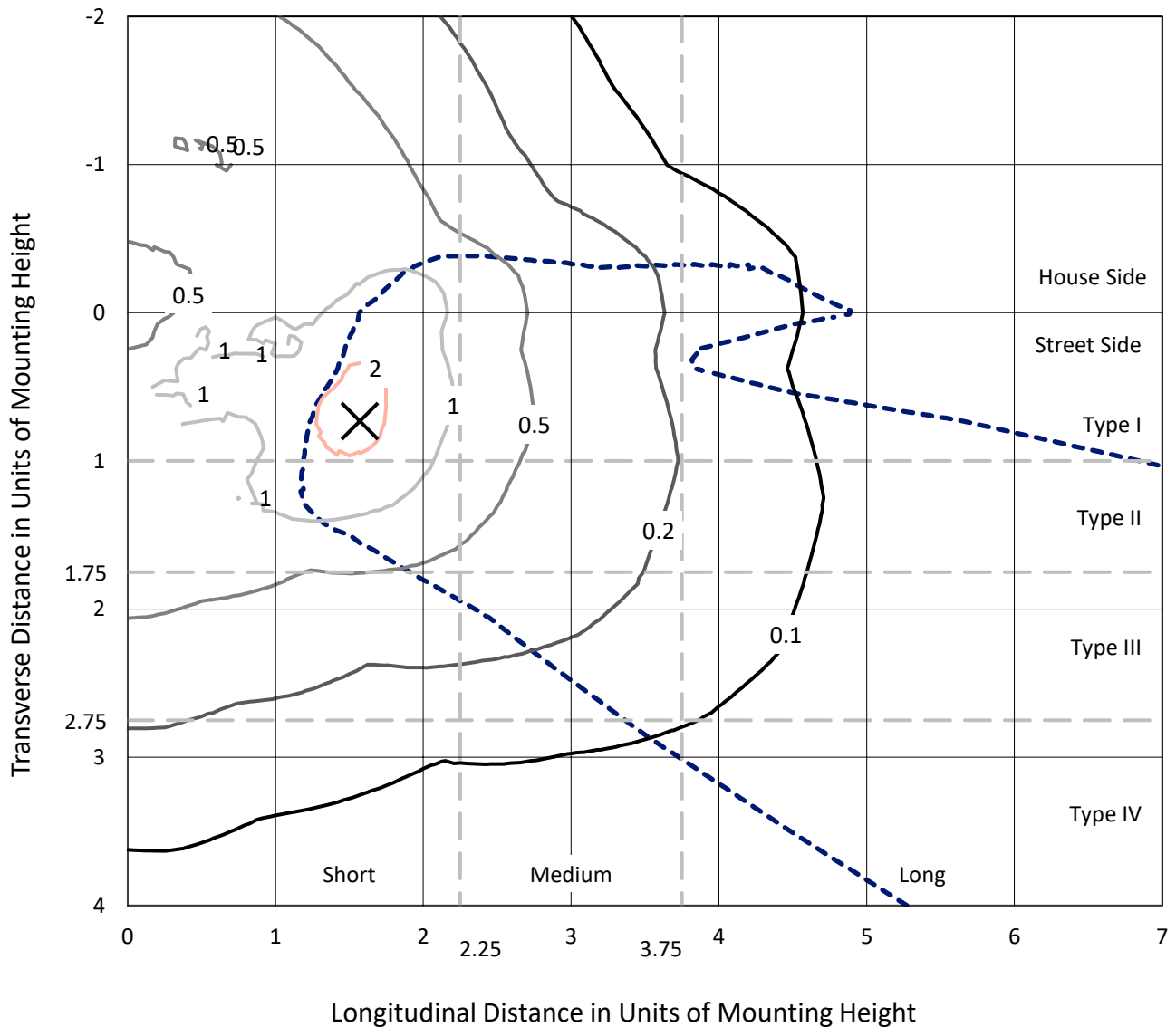
Input Watts (W): 124.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

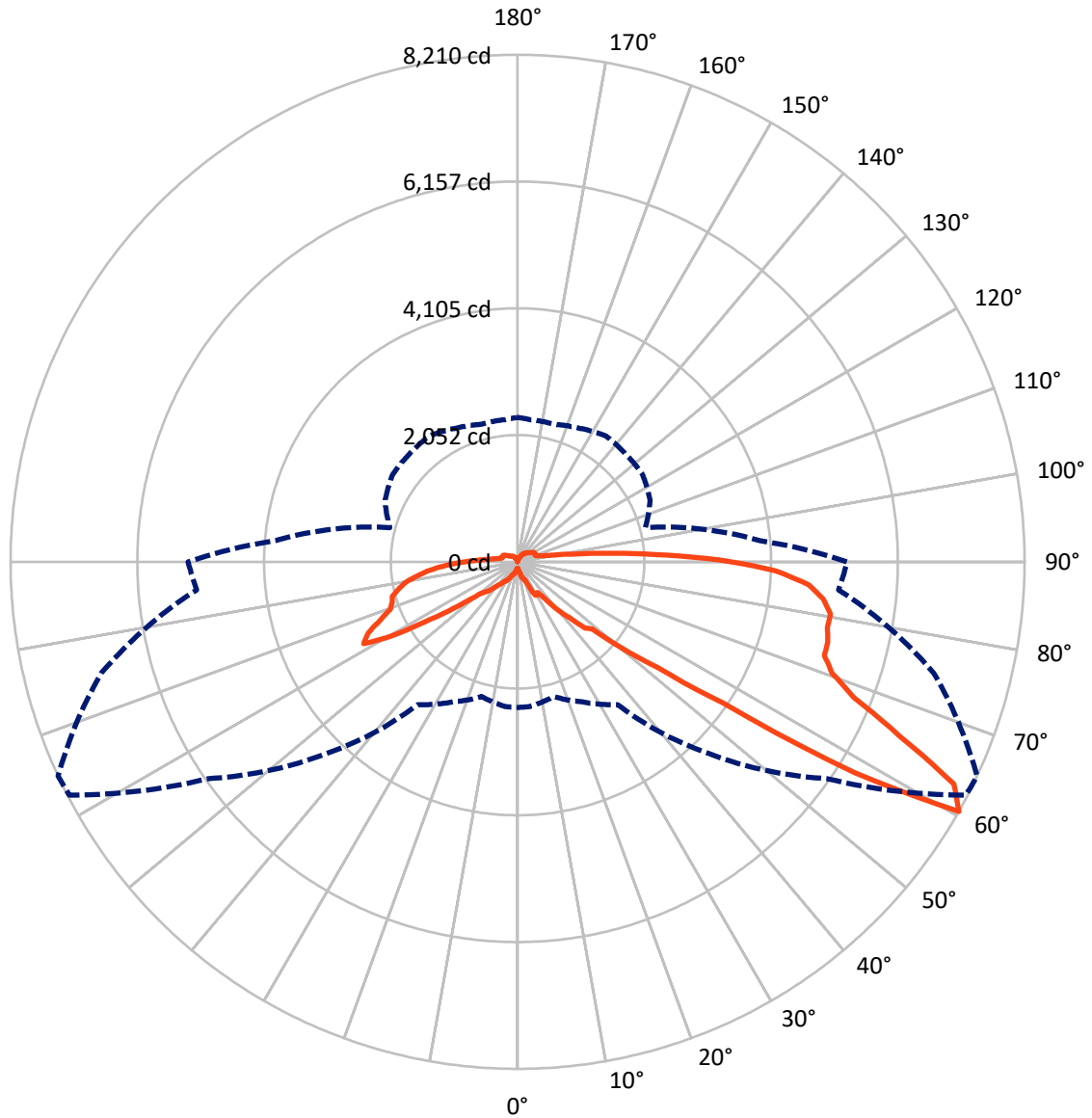
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 2.6 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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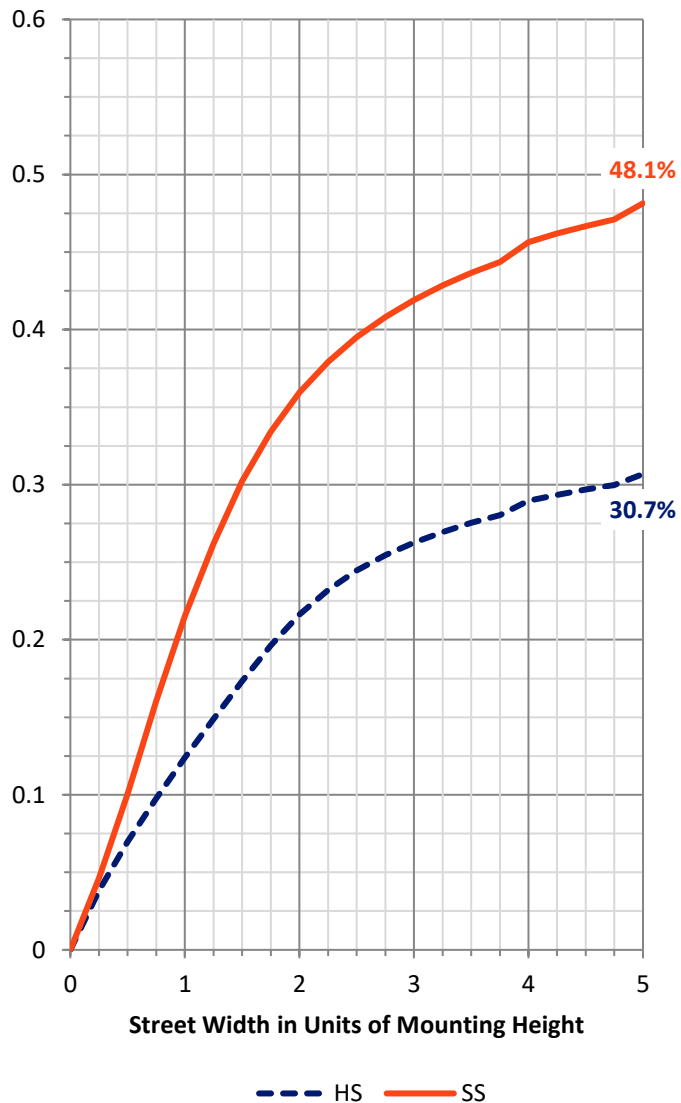
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4744.4	759.8	5504.1
	% Fixture	33.3	5.3	38.7
Street Side	Lumens	7590.4	1132.5	8722.9
	% Fixture	53.4	8.0	61.3
Total	Lumens	12334.7	1892.3	14227.0
	% Fixture	86.7	13.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.7	0.1
10°-20°	60.8	0.4
20°-30°	173.8	1.2
30°-40°	374.2	2.6
40°-50°	708.1	5.0
50°-60°	1978.0	13.9
60°-70°	3526.5	24.8
70°-80°	3087.5	21.7
80°-90°	2412.3	17.0
90°-100°	912.0	6.4
100°-110°	313.7	2.2
110°-120°	256.5	1.8
120°-130°	172.3	1.2
130°-140°	118.3	0.8
140°-150°	74.3	0.5
150°-160°	34.5	0.2
160°-170°	9.7	0.1
170°-180°	0.9	0.0
0°-90°	12334.7	86.7
0°-180°	14227.0	100.0

Coefficient of Utilization



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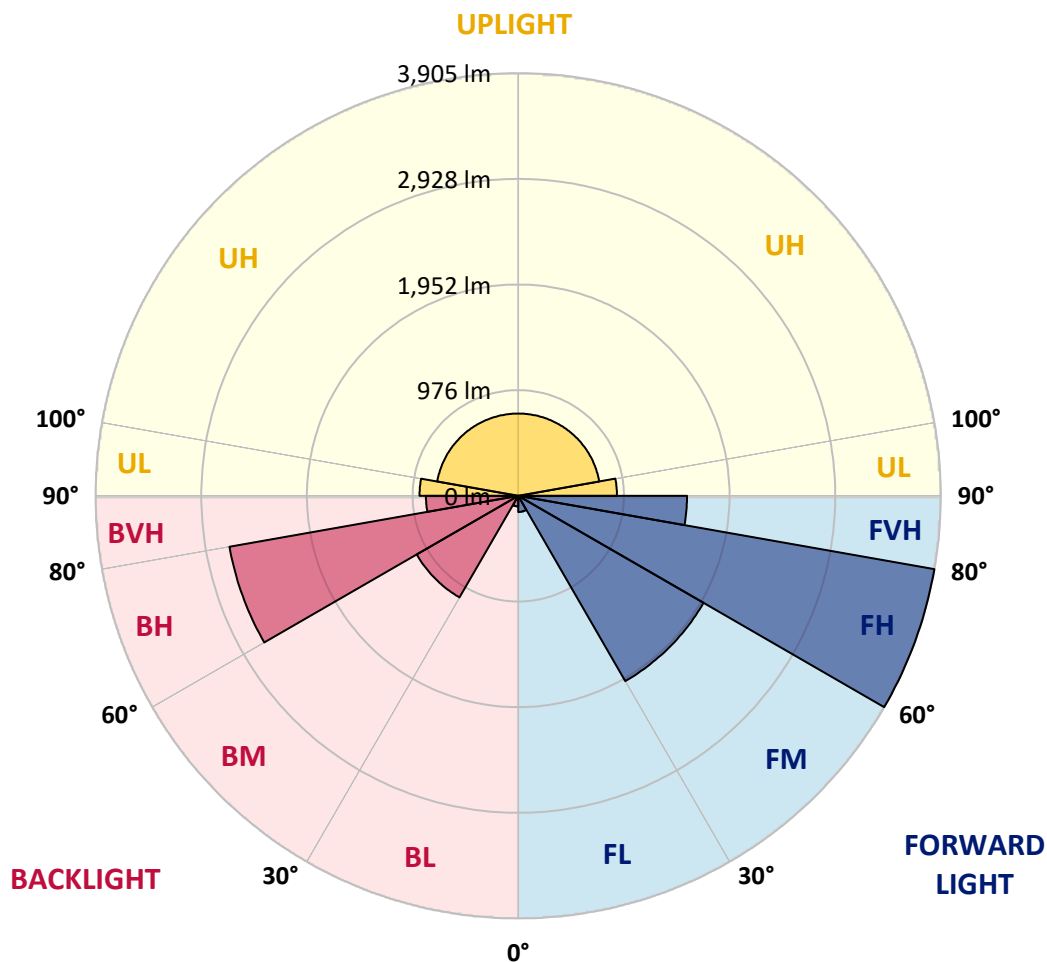
CATALOG NUMBER: GAT-CA6-LED-130-722-U-33-5-X-X

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	149.9	1.1			
FM (30°-60°)	1976.7	13.9			
FH (60°-80°)	3904.5	27.4			G2/5000
FVH (80°-90°)	1559.3	11.0			G5
BL (0°-30°)	98.3	0.7	B0/110		
BM (30°-60°)	1083.6	7.6	B2/2500		
BH (60°-80°)	2709.4	19.0	B4/5000		G4/5000
BVH (80°-90°)	853.1	6.0			G5
UL (90°-100°)	912.0	6.4		U4/1000	
UH (100°-180°)	759.8	5.3		U4/1000	

BUG Rating: B4-U4-G5

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	62.5°	65°	75°	85°
0°	108.8	108.8	108.8	108.8	108.8	108.8	108.8	108.8	108.8	108.8	108.8
2.5°	125.4	121.7	118.0	118.0	116.2	114.4	114.4	110.7	112.5	110.7	110.7
5°	147.6	145.7	142.0	143.9	140.2	138.3	138.3	136.5	134.6	132.8	127.3
7.5°	171.5	171.5	173.4	175.2	169.7	164.2	162.3	158.6	158.6	156.8	153.1
10°	197.4	195.5	188.1	188.1	184.5	180.8	182.6	180.8	180.8	180.8	173.4
12.5°	204.7	202.9	197.4	197.4	197.4	195.5	202.9	201.1	202.9	201.1	190.0
15°	230.6	228.7	226.9	228.7	236.1	250.9	269.3	261.9	263.8	260.1	219.5
17.5°	241.6	247.2	250.9	252.7	260.1	260.1	263.8	261.9	269.3	274.8	250.9
20°	280.4	276.7	280.4	293.3	311.7	313.6	308.0	308.0	311.7	313.6	267.5
22.5°	297.0	295.1	309.9	298.8	298.8	308.0	341.2	330.2	330.2	326.5	287.7
25°	385.5	392.9	407.6	426.1	470.3	483.3	520.2	479.6	485.1	427.9	365.2
27.5°	463.0	468.5	555.2	632.7	667.7	649.3	680.6	605.0	612.4	619.8	533.1
30°	487.0	498.0	623.4	680.6	726.7	689.8	730.4	630.8	625.3	667.7	632.7
32.5°	468.5	479.6	612.4	636.4	684.3	820.8	769.2	608.7	592.1	612.4	654.8
35°	514.6	522.0	601.3	544.1	588.4	1147.3	1007.1	710.1	676.9	564.4	627.1
37.5°	617.9	617.9	712.0	752.6	785.8	1353.9	1322.5	883.5	857.7	660.3	724.9
40°	748.9	745.2	861.4	889.1	903.8	1226.6	1599.2	1127.0	1069.8	776.5	944.4
42.5°	828.2	820.8	914.9	944.4	944.4	1038.5	1809.5	1372.3	1239.5	905.7	1154.7
45°	859.5	866.9	988.7	951.8	979.4	1066.1	2034.5	1711.7	1525.4	1062.4	1339.1
47.5°	778.4	789.4	964.7	968.4	828.2	852.2	1824.2	1778.1	1625.0	1138.1	1398.1
50°	955.5	962.8	1025.5	983.1	914.9	1079.0	2172.8	2285.3	2218.9	1409.2	1475.6
52.5°	1311.4	1344.6	1403.7	1440.6	1420.3	1813.2	2914.3	2894.0	2838.7	2115.7	2014.2
55°	1698.8	1726.5	1809.5	2032.6	2202.3	2715.1	3624.5	4048.7	4045.0	3436.3	3139.4
57.5°	2051.1	2052.9	2064.0	2338.8	2600.8	3545.1	4747.8	6306.4	6446.6	5489.3	4495.1
60°	2357.3	2351.7	2257.7	2503.0	2822.1	4395.5	6120.1	8182.2	8209.9	6979.6	5214.4
62.5°	2440.3	2423.7	2287.2	2515.9	2788.9	4412.1	6470.5	7959.1	7927.7	7084.8	5308.5
65°	2368.3	2351.7	2178.4	2383.1	2512.2	4010.0	5976.2	6845.0	6793.3	6472.4	5054.0
67.5°	2261.4	2272.4	2100.9	2257.7	2346.2	3761.0	5456.1	5889.5	5874.8	6031.5	4841.8
70°	2106.4	2115.7	1958.9	2152.5	2281.7	3602.3	4958.0	5428.4	5402.6	5633.1	4530.1
72.5°	2112.0	2139.6	1953.3	2099.1	2233.7	3384.7	4733.0	5269.8	5194.1	5229.2	4155.7
75°	2126.7	2163.6	1966.2	2097.2	2222.6	3305.4	4707.2	5282.7	5186.8	5083.5	4013.7
77.5°	2132.3	2185.7	1973.6	2117.5	2226.3	3196.5	4648.2	5218.1	5127.7	4943.3	3845.8
80°	2088.0	2145.2	1942.3	2119.3	2202.3	2980.7	4498.8	5207.0	5138.8	4924.8	3777.6
82.5°	1999.4	2056.6	1881.4	2027.1	2156.2	2761.2	4288.5	4991.2	4987.6	4747.8	3633.7
85°	1805.8	1868.5	1735.7	1870.3	2029.0	2469.8	3864.2	4624.2	4725.6	4532.0	3440.0
87.5°	1619.5	1682.2	1612.1	1687.7	1848.2	2147.0	3320.1	3991.5	4181.5	4021.0	2954.9
90°	1407.4	1471.9	1414.7	1385.2	1514.3	1713.5	2654.2	3104.3	3283.2	3185.5	2174.7
92.5°	1127.0	1182.3	1128.8	1060.6	1138.1	1258.0	1971.8	2172.8	2215.3	2121.2	1425.8
95°	852.2	892.7	844.8	776.5	785.8	861.4	1359.4	1424.0	1412.9	1300.4	905.7
97.5°	592.1	616.1	584.7	536.8	553.4	601.3	900.1	892.7	892.7	795.0	592.1
100°	411.3	420.5	405.8	383.7	396.6	427.9	605.0	603.2	584.7	536.8	431.6
102.5°	326.5	328.3	313.6	298.8	291.4	320.9	437.1	435.3	439.0	416.9	337.5
105°	287.7	285.9	273.0	260.1	245.3	274.8	346.8	361.5	359.7	341.2	289.6
107.5°	263.8	261.9	249.0	237.9	225.0	250.9	300.7	320.9	319.1	317.3	273.0
110°	245.3	243.5	232.4	221.3	210.3	239.8	282.2	313.6	313.6	313.6	276.7



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 CATALOG NUMBER: GAT-CA6-LED-130-722-U-33-5-X-X

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	62.5°	65°	75°	85°
112.5°	232.4	232.4	223.2	214.0	204.7	237.9	271.1	308.0	308.0	317.3	289.6
115°	225.0	223.2	215.8	210.3	202.9	239.8	267.5	304.3	306.2	319.1	287.7
117.5°	219.5	217.7	212.1	204.7	201.1	236.1	269.3	311.7	309.9	330.2	282.2
120°	210.3	206.6	199.2	191.8	188.1	217.7	261.9	302.5	298.8	308.0	260.1
122.5°	202.9	191.8	178.9	173.4	173.4	197.4	245.3	273.0	269.3	261.9	234.3
125°	186.3	175.2	164.2	162.3	164.2	184.5	234.3	250.9	252.7	247.2	221.3
127.5°	167.9	160.5	154.9	154.9	158.6	180.8	230.6	241.6	241.6	230.6	210.3
130°	158.6	156.8	153.1	153.1	160.5	182.6	225.0	228.7	228.7	214.0	204.7
132.5°	154.9	151.2	147.6	147.6	154.9	177.1	210.3	217.7	215.8	201.1	193.7
135°	147.6	145.7	142.0	142.0	151.2	173.4	197.4	204.7	202.9	184.5	178.9
137.5°	143.9	140.2	140.2	140.2	149.4	171.5	186.3	191.8	190.0	171.5	166.0
140°	138.3	136.5	132.8	132.8	145.7	166.0	175.2	177.1	175.2	160.5	154.9
142.5°	129.1	127.3	125.4	129.1	142.0	156.8	164.2	164.2	162.3	153.1	145.7
145°	123.6	121.7	119.9	129.1	140.2	147.6	154.9	149.4	149.4	143.9	136.5
147.5°	118.0	116.2	116.2	123.6	132.8	132.8	138.3	136.5	138.3	136.5	129.1
150°	107.0	105.1	105.1	110.7	112.5	112.5	118.0	118.0	118.0	118.0	112.5
152.5°	94.1	92.2	94.1	95.9	95.9	95.9	99.6	101.4	101.4	99.6	97.8
155°	81.2	81.2	81.2	83.0	83.0	81.2	86.7	86.7	86.7	86.7	84.8
157.5°	71.9	71.9	71.9	71.9	71.9	70.1	73.8	73.8	75.6	73.8	73.8
160°	62.7	60.9	60.9	60.9	60.9	59.0	60.9	60.9	60.9	62.7	62.7
162.5°	49.8	48.0	48.0	48.0	48.0	44.3	48.0	46.1	48.0	48.0	49.8
165°	40.6	38.7	38.7	38.7	36.9	35.0	36.9	35.0	35.0	35.0	36.9
167.5°	31.4	31.4	29.5	31.4	29.5	25.8	25.8	24.0	24.0	24.0	24.0
170°	24.0	22.1	20.3	22.1	20.3	16.6	16.6	14.8	14.8	12.9	12.9
172.5°	16.6	14.8	12.9	14.8	12.9	9.2	9.2	5.5	5.5	5.5	5.5
175°	14.8	12.9	11.1	12.9	11.1	7.4	5.5	3.7	3.7	3.7	3.7
177.5°	14.8	12.9	11.1	12.9	11.1	7.4	5.5	3.7	3.7	3.7	3.7
180°	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	108.8	108.8	108.8	108.8	108.8	108.8	108.8	108.8	108.8	108.8	108.8
2.5°	110.7	108.8	107.0	110.7	108.8	110.7	112.5	114.4	114.4	112.5	112.5
5°	127.3	125.4	121.7	119.9	116.2	116.2	116.2	119.9	119.9	118.0	119.9
7.5°	151.2	147.6	142.0	138.3	132.8	132.8	131.0	134.6	136.5	132.8	134.6
10°	169.7	167.9	160.5	154.9	149.4	147.6	147.6	149.4	149.4	147.6	147.6
12.5°	186.3	182.6	175.2	169.7	162.3	160.5	160.5	162.3	162.3	160.5	160.5
15°	210.3	199.2	191.8	186.3	178.9	177.1	175.2	177.1	178.9	175.2	175.2
17.5°	243.5	230.6	214.0	199.2	191.8	195.5	197.4	199.2	197.4	191.8	191.8
20°	261.9	254.5	232.4	221.3	212.1	212.1	212.1	212.1	212.1	210.3	212.1
22.5°	274.8	263.8	236.1	228.7	223.2	226.9	230.6	232.4	232.4	230.6	230.6
25°	333.9	293.3	265.6	260.1	252.7	254.5	250.9	250.9	252.7	250.9	254.5
27.5°	459.3	392.9	330.2	308.0	302.5	302.5	306.2	306.2	306.2	306.2	304.3
30°	551.5	474.0	370.7	341.2	337.5	354.1	363.4	370.7	367.1	361.5	361.5
32.5°	566.3	481.4	378.1	367.1	376.3	389.2	398.4	403.9	409.5	407.6	405.8
35°	534.9	444.5	372.6	387.3	394.7	402.1	403.9	400.3	416.9	424.2	426.1
37.5°	597.6	498.0	433.5	444.5	435.3	427.9	431.6	433.5	455.6	466.7	477.7
40°	763.6	601.3	492.5	487.0	481.4	498.0	520.2	531.2	529.4	522.0	523.8
42.5°	924.1	702.8	555.2	553.4	551.5	581.0	616.1	614.2	597.6	584.7	584.7
45°	1088.3	800.5	654.8	656.6	653.0	664.0	673.2	665.9	667.7	671.4	675.1
47.5°	1189.7	889.1	717.5	712.0	688.0	710.1	736.0	719.4	713.8	704.6	708.3
50°	1213.7	911.2	754.4	795.0	772.8	756.2	728.6	717.5	737.8	752.6	763.6
52.5°	1577.1	1125.2	942.5	1007.1	977.6	918.6	913.0	894.6	916.7	918.6	931.5
55°	2643.2	1803.9	1298.5	1361.2	1363.1	1342.8	1435.0	1383.4	1337.3	1317.0	1309.6
57.5°	4166.7	2788.9	1680.3	1759.7	1835.3	1907.2	2032.6	1927.5	1794.7	1778.1	1796.6
60°	5336.2	3938.0	2143.3	2366.5	2468.0	2471.6	2488.2	2385.0	2303.8	2311.2	2337.0
62.5°	5587.0	4897.2	2729.9	2822.1	2831.3	2763.1	2792.6	2859.0	2744.6	2654.2	2678.2
65°	5419.2	5277.1	2921.7	2681.9	2667.2	2678.2	2879.3	3063.7	2833.2	2604.4	2604.4
67.5°	5094.5	4987.6	2726.2	2412.6	2453.2	2578.6	2833.2	2925.4	2680.1	2436.6	2436.6
70°	4747.8	4533.8	2506.7	2198.7	2298.3	2444.0	2610.0	2617.4	2473.5	2300.1	2289.0
72.5°	4373.3	4179.7	2412.6	2135.9	2182.1	2207.9	2298.3	2355.4	2338.8	2226.3	2224.5
75°	4262.7	4105.9	2410.8	2106.4	2078.8	2069.5	2132.3	2255.8	2313.0	2246.6	2250.3
77.5°	4094.8	4000.7	2298.3	1982.8	1953.3	1953.3	1986.5	2086.1	2172.8	2145.2	2154.4
80°	3978.6	3836.6	2126.7	1848.2	1807.6	1813.2	1816.8	1885.1	1966.2	1969.9	1969.9
82.5°	3755.4	3488.0	1866.6	1647.1	1619.5	1626.9	1613.9	1652.7	1674.8	1702.5	1696.9
85°	3388.4	3010.2	1577.1	1427.6	1383.4	1368.6	1357.6	1359.4	1372.3	1366.8	1344.6
87.5°	2838.7	2386.8	1258.0	1171.3	1119.6	1082.7	1068.0	1049.5	1047.7	1027.4	1034.8
90°	2095.4	1637.9	933.3	902.0	865.1	826.3	806.1	787.6	772.8	752.6	745.2
92.5°	1366.8	1055.1	682.5	665.9	641.9	619.8	610.5	601.3	597.6	581.0	586.6
95°	854.0	713.8	512.8	494.3	481.4	475.9	477.7	479.6	475.9	457.4	463.0
97.5°	570.0	516.5	400.3	387.3	374.4	372.6	374.4	378.1	380.0	367.1	370.7
100°	420.5	396.6	328.3	319.1	308.0	304.3	306.2	309.9	311.7	300.7	302.5
102.5°	333.9	322.8	284.1	280.4	267.5	263.8	267.5	269.3	271.1	263.8	263.8
105°	293.3	293.3	261.9	260.1	250.9	247.2	249.0	250.9	252.7	245.3	245.3
107.5°	282.2	284.1	252.7	254.5	249.0	247.2	250.9	254.5	252.7	247.2	245.3
110°	291.4	295.1	252.7	258.2	260.1	263.8	271.1	273.0	273.0	269.3	271.1



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	300.7	306.2	249.0	261.9	274.8	284.1	297.0	304.3	300.7	298.8	300.7
115°	293.3	297.0	232.4	252.7	276.7	289.6	293.3	293.3	284.1	284.1	285.9
117.5°	284.1	291.4	215.8	232.4	249.0	260.1	258.2	252.7	241.6	237.9	249.0
120°	263.8	285.9	206.6	210.3	212.1	215.8	210.3	204.7	195.5	193.7	201.1
122.5°	243.5	263.8	190.0	186.3	184.5	184.5	182.6	180.8	175.2	177.1	184.5
125°	226.9	237.9	173.4	167.9	166.0	167.9	167.9	167.9	164.2	160.5	160.5
127.5°	214.0	217.7	164.2	156.8	154.9	154.9	154.9	156.8	154.9	149.4	149.4
130°	206.6	204.7	158.6	145.7	143.9	145.7	145.7	147.6	143.9	140.2	140.2
132.5°	191.8	188.1	151.2	138.3	136.5	138.3	138.3	138.3	134.6	131.0	131.0
135°	175.2	171.5	142.0	129.1	127.3	129.1	129.1	131.0	127.3	123.6	123.6
137.5°	162.3	158.6	132.8	121.7	119.9	119.9	121.7	121.7	119.9	116.2	116.2
140°	151.2	147.6	123.6	114.4	110.7	112.5	112.5	112.5	110.7	107.0	107.0
142.5°	142.0	140.2	114.4	105.1	101.4	103.3	103.3	105.1	101.4	97.8	97.8
145°	134.6	131.0	107.0	95.9	94.1	94.1	94.1	95.9	92.2	88.5	88.5
147.5°	127.3	123.6	97.8	86.7	84.8	84.8	84.8	84.8	83.0	79.3	77.5
150°	112.5	110.7	90.4	79.3	75.6	75.6	75.6	73.8	70.1	66.4	66.4
152.5°	95.9	94.1	79.3	70.1	66.4	66.4	64.6	64.6	60.9	59.0	57.2
155°	83.0	83.0	71.9	62.7	59.0	57.2	55.3	55.3	53.5	51.6	49.8
157.5°	73.8	71.9	64.6	57.2	49.8	49.8	48.0	48.0	46.1	44.3	42.4
160°	62.7	62.7	55.3	48.0	42.4	40.6	40.6	38.7	36.9	35.0	35.0
162.5°	49.8	49.8	44.3	38.7	33.2	33.2	31.4	31.4	29.5	27.7	25.8
165°	35.0	35.0	33.2	29.5	25.8	24.0	24.0	24.0	22.1	20.3	20.3
167.5°	24.0	24.0	22.1	20.3	18.4	16.6	18.4	18.4	16.6	14.8	14.8
170°	12.9	12.9	11.1	11.1	9.2	9.2	11.1	12.9	11.1	9.2	7.4
172.5°	5.5	5.5	5.5	5.5	3.7	5.5	7.4	9.2	7.4	5.5	5.5
175°	3.7	3.7	5.5	5.5	3.7	5.5	7.4	9.2	7.4	5.5	5.5
177.5°	3.7	3.7	5.5	5.5	3.7	5.5	7.4	9.2	7.4	5.5	5.5
180°	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4

(END OF REPORT)