

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: P588560

Luminaire Tested: **GAT-CA6-LED-90-760-U-33-5-X-X**

Issue Date: 11/30/2021

Test Information

Test Method: LM-79-08
Report Number: P588560
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-90-760-U-33-5-X-X
Description: GENERATIONS SERIES AVENUE WITH NO CAGE AND TYPE III REFRACTOR
Light Source: (6) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12848 lumens
Efficiency: N/A
Efficacy: 136.8 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 1.25')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B3 - U4 - G5

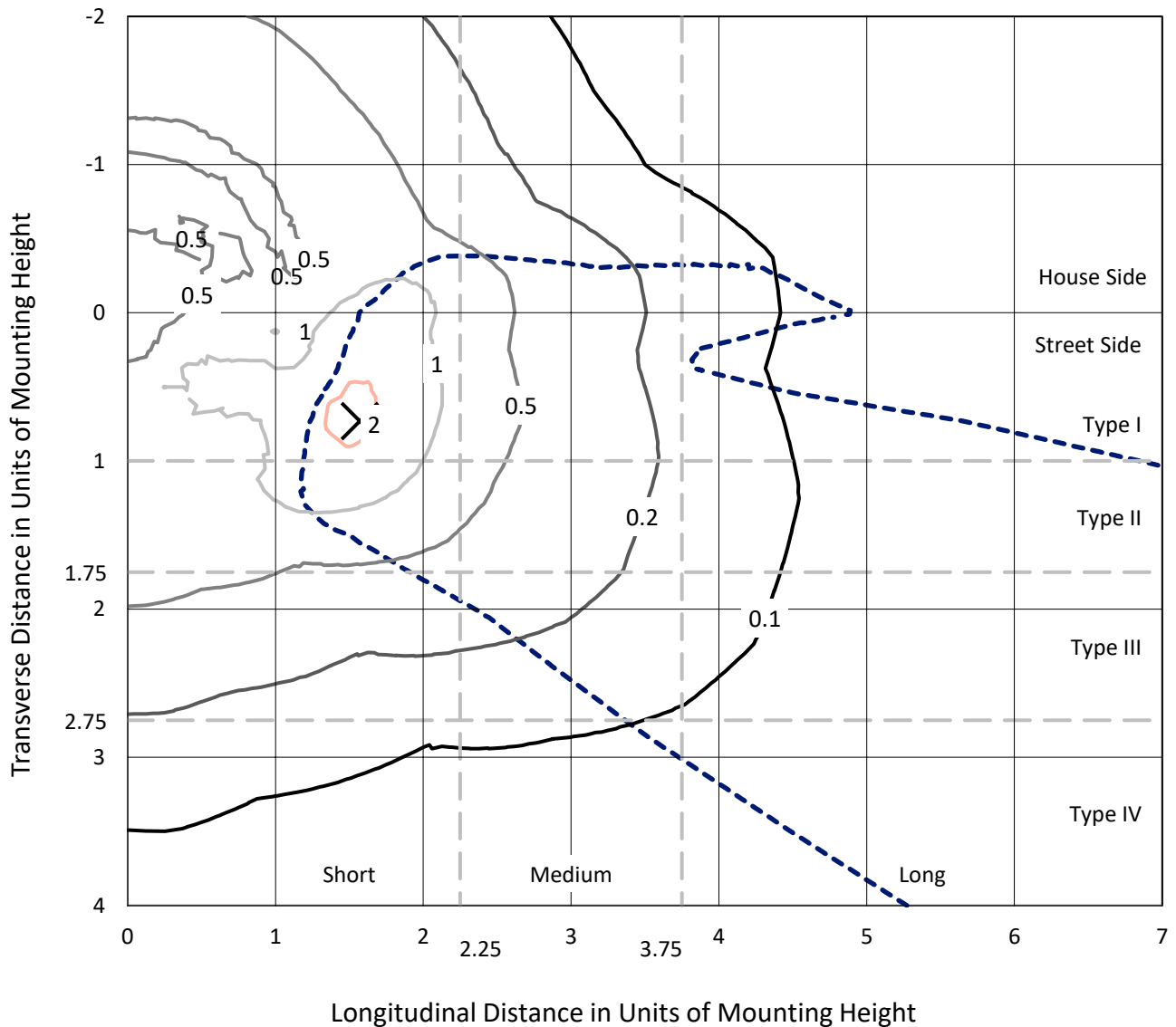
Input Watts (W): 93.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

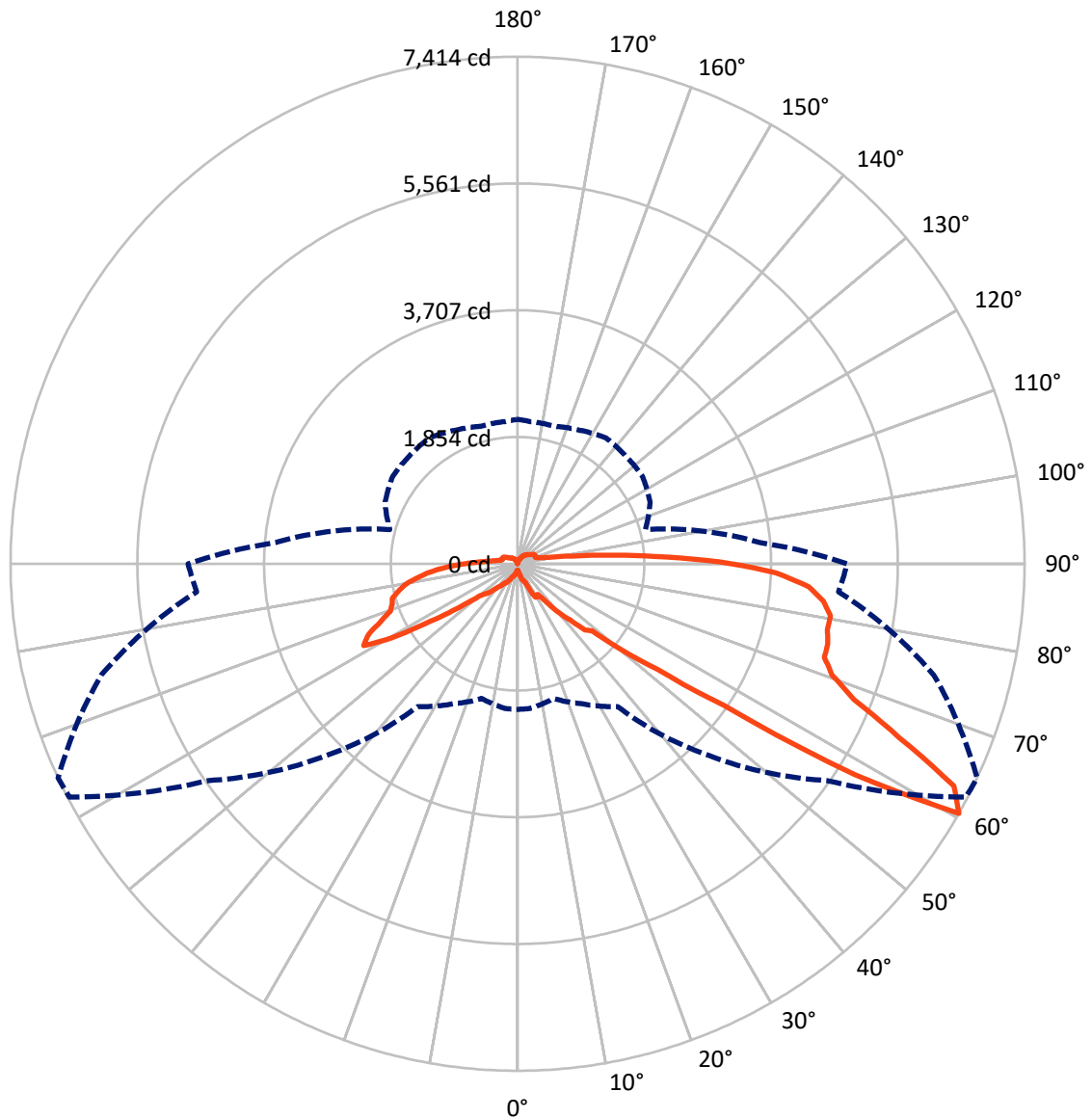
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 2.3 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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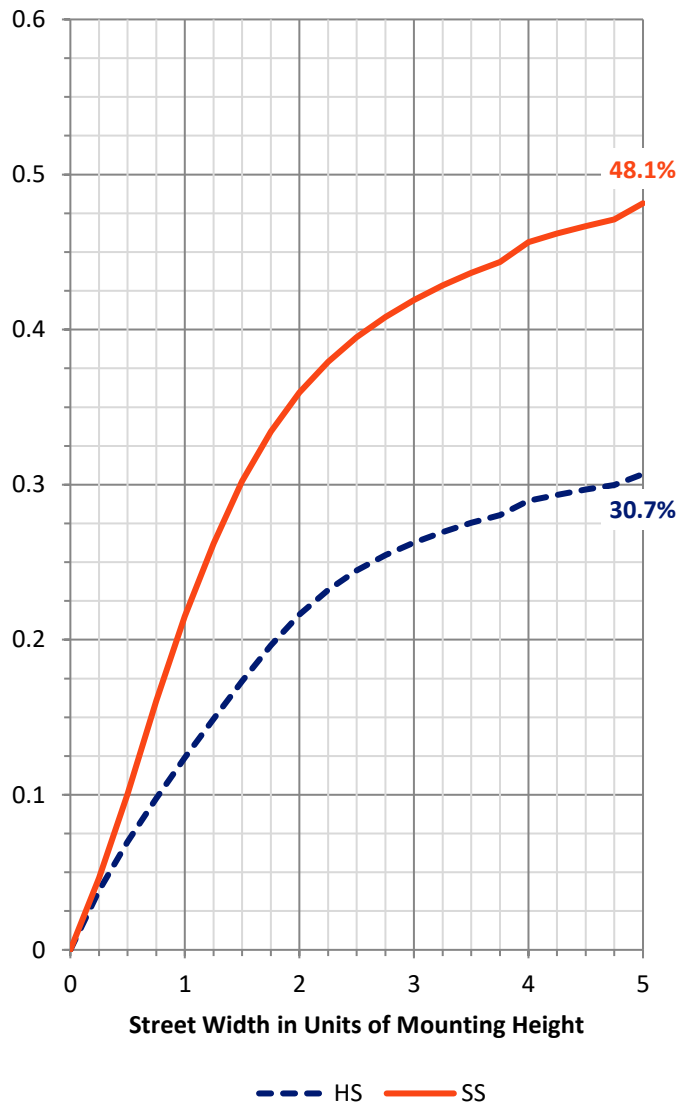
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4284.5	686.1	4970.6
	% Fixture	33.3	5.3	38.7
Street Side	Lumens	6854.7	1022.7	7877.4
	% Fixture	53.4	8.0	61.3
Total	Lumens	11139.2	1708.8	12848.0
	% Fixture	86.7	13.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.3	0.1
10°-20°	54.9	0.4
20°-30°	156.9	1.2
30°-40°	337.9	2.6
40°-50°	639.4	5.0
50°-60°	1786.3	13.9
60°-70°	3184.6	24.8
70°-80°	2788.2	21.7
80°-90°	2178.5	17.0
90°-100°	823.6	6.4
100°-110°	283.3	2.2
110°-120°	231.6	1.8
120°-130°	155.6	1.2
130°-140°	106.8	0.8
140°-150°	67.1	0.5
150°-160°	31.1	0.2
160°-170°	8.8	0.1
170°-180°	0.8	0.0
0°-90°	11139.2	86.7
0°-180°	12848.0	100.0

Coefficient of Utilization

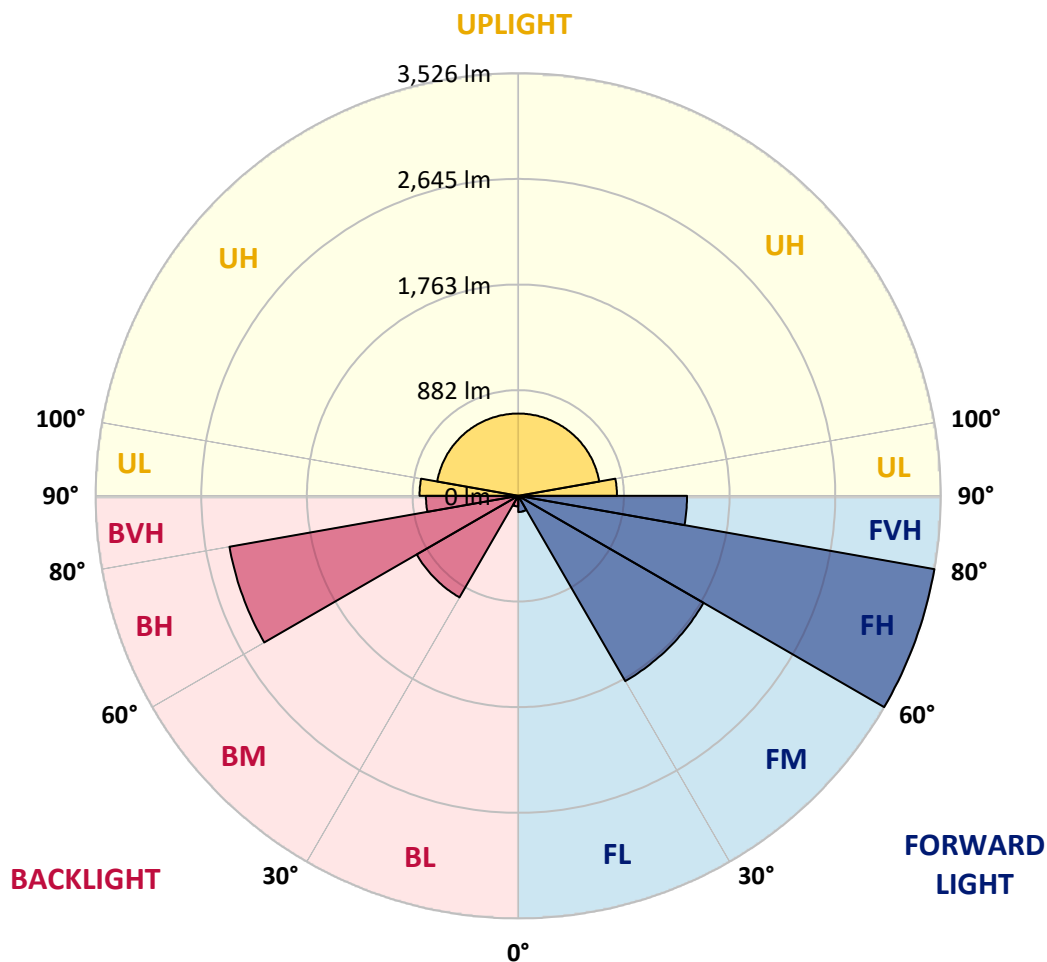


REPORT NUMBER: P588560
 CATALOG NUMBER: GAT-CA6-LED-90-760-U-33-5-X-X

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	135.4	1.1			
FM (30°-60°)	1785.1	13.9			
FH (60°-80°)	3526.1	27.4			G2/5000
FVH (80°-90°)	1408.1	11.0			G5
BL (0°-30°)	88.7	0.7	B0/110		
BM (30°-60°)	978.6	7.6	B1/1000		
BH (60°-80°)	2446.8	19.0	B3/2500		G3/2500
BVH (80°-90°)	770.4	6.0			G5
UL (90°-100°)	823.6	6.4		U4/1000	
UH (100°-180°)	686.1	5.3		U4/1000	

BUG Rating: B3-U4-G5
 Type III Short





REPORT NUMBER: P588560
 CATALOG NUMBER: GAT-CA6-LED-90-760-U-33-5-X-X

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	62.5°	65°	75°	85°
0°	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
2.5°	113.3	109.9	106.6	106.6	104.9	103.3	103.3	99.9	101.6	99.9	99.9
5°	133.3	131.6	128.3	129.9	126.6	124.9	124.9	123.3	121.6	119.9	114.9
7.5°	154.9	154.9	156.6	158.2	153.2	148.2	146.6	143.3	143.3	141.6	138.3
10°	178.2	176.6	169.9	169.9	166.6	163.2	164.9	163.2	163.2	163.2	156.6
12.5°	184.9	183.2	178.2	178.2	178.2	176.6	183.2	181.6	183.2	181.6	171.6
15°	208.2	206.5	204.9	206.5	213.2	226.5	243.2	236.5	238.2	234.9	198.2
17.5°	218.2	223.2	226.5	228.2	234.9	234.9	238.2	236.5	243.2	248.2	226.5
20°	253.2	249.9	253.2	264.9	281.5	283.2	278.2	278.2	281.5	283.2	241.5
22.5°	268.2	266.5	279.8	269.8	269.8	278.2	308.2	298.2	298.2	294.8	259.9
25°	348.1	354.8	368.1	384.8	424.8	436.4	469.7	433.1	438.1	386.4	329.8
27.5°	418.1	423.1	501.4	571.3	603.0	586.3	614.7	546.4	553.0	559.7	481.4
30°	439.8	449.7	563.0	614.7	656.3	623.0	659.6	569.7	564.7	603.0	571.3
32.5°	423.1	433.1	553.0	574.7	618.0	741.2	694.6	549.7	534.7	553.0	591.3
35°	464.7	471.4	543.0	491.4	531.4	1036.1	909.5	641.3	611.3	509.7	566.3
37.5°	558.0	558.0	643.0	679.6	709.6	1222.6	1194.3	797.9	774.6	596.3	654.6
40°	676.3	673.0	777.9	802.9	816.2	1107.7	1444.2	1017.8	966.1	701.3	852.9
42.5°	747.9	741.2	826.2	852.9	852.9	937.8	1634.1	1239.3	1119.4	817.9	1042.7
45°	776.2	782.9	892.8	859.5	884.5	962.8	1837.3	1545.8	1377.6	959.5	1209.3
47.5°	702.9	712.9	871.2	874.5	747.9	769.6	1647.4	1605.8	1467.5	1027.8	1262.6
50°	862.8	869.5	926.1	887.8	826.2	974.4	1962.2	2063.8	2003.9	1272.6	1332.6
52.5°	1184.3	1214.3	1267.6	1300.9	1282.6	1637.4	2631.8	2613.5	2563.5	1910.6	1819.0
55°	1534.1	1559.1	1634.1	1835.6	1988.9	2451.9	3273.1	3656.3	3652.9	3103.2	2835.1
57.5°	1852.3	1854.0	1863.9	2112.1	2348.7	3201.5	4287.6	5695.1	5821.7	4957.2	4059.4
60°	2128.8	2123.8	2038.8	2260.4	2548.6	3969.4	5526.9	7389.2	7414.1	6303.1	4709.0
62.5°	2203.8	2188.8	2065.5	2272.0	2518.6	3984.4	5843.4	7187.6	7159.3	6398.0	4794.0
65°	2138.8	2123.8	1967.2	2152.1	2268.7	3621.3	5396.9	6181.5	6134.9	5845.0	4564.1
67.5°	2042.2	2052.2	1897.3	2038.8	2118.8	3396.4	4927.2	5318.7	5305.3	5446.9	4372.5
70°	1902.3	1910.6	1769.0	1943.9	2060.5	3253.2	4477.5	4902.2	4878.9	5087.1	4091.0
72.5°	1907.3	1932.2	1764.0	1895.6	2017.2	3056.6	4274.2	4759.0	4690.7	4722.3	3752.9
75°	1920.6	1953.9	1775.7	1893.9	2007.2	2985.0	4250.9	4770.6	4684.0	4590.7	3624.6
77.5°	1925.6	1973.9	1782.3	1912.3	2010.5	2886.7	4197.6	4712.3	4630.7	4464.1	3473.0
80°	1885.6	1937.2	1754.0	1913.9	1988.9	2691.8	4062.7	4702.3	4640.7	4447.5	3411.4
82.5°	1805.6	1857.3	1699.0	1830.6	1947.2	2493.6	3872.8	4507.4	4504.1	4287.6	3281.5
85°	1630.7	1687.4	1567.4	1689.0	1832.3	2230.4	3489.7	4176.0	4267.6	4092.7	3106.6
87.5°	1462.5	1519.1	1455.8	1524.1	1669.1	1938.9	2998.3	3604.6	3776.2	3631.3	2668.5
90°	1270.9	1329.2	1277.6	1251.0	1367.6	1547.5	2397.0	2803.4	2965.0	2876.7	1963.9
92.5°	1017.8	1067.7	1019.4	957.8	1027.8	1136.0	1780.7	1962.2	2000.5	1915.6	1287.6
95°	769.6	806.2	762.9	701.3	709.6	777.9	1227.6	1285.9	1275.9	1174.3	817.9
97.5°	534.7	556.4	528.0	484.7	499.7	543.0	812.9	806.2	806.2	717.9	534.7
100°	371.5	379.8	366.5	346.5	358.1	386.4	546.4	544.7	528.0	484.7	389.8
102.5°	294.8	296.5	283.2	269.8	263.2	289.8	394.8	393.1	396.4	376.5	304.8
105°	259.9	258.2	246.5	234.9	221.5	248.2	313.2	326.5	324.8	308.2	261.5
107.5°	238.2	236.5	224.9	214.9	203.2	226.5	271.5	289.8	288.2	286.5	246.5
110°	221.5	219.9	209.9	199.9	189.9	216.5	254.9	283.2	283.2	283.2	249.9



REPORT NUMBER: P588560
 CATALOG NUMBER: GAT-CA6-LED-90-760-U-33-5-X-X

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	62.5°	65°	75°	85°
112.5°	209.9	209.9	201.6	193.2	184.9	214.9	244.9	278.2	278.2	286.5	261.5
115°	203.2	201.6	194.9	189.9	183.2	216.5	241.5	274.8	276.5	288.2	259.9
117.5°	198.2	196.6	191.6	184.9	181.6	213.2	243.2	281.5	279.8	298.2	254.9
120°	189.9	186.6	179.9	173.2	169.9	196.6	236.5	273.2	269.8	278.2	234.9
122.5°	183.2	173.2	161.6	156.6	156.6	178.2	221.5	246.5	243.2	236.5	211.5
125°	168.2	158.2	148.2	146.6	148.2	166.6	211.5	226.5	228.2	223.2	199.9
127.5°	151.6	144.9	139.9	139.9	143.3	163.2	208.2	218.2	218.2	208.2	189.9
130°	143.3	141.6	138.3	138.3	144.9	164.9	203.2	206.5	206.5	193.2	184.9
132.5°	139.9	136.6	133.3	133.3	139.9	159.9	189.9	196.6	194.9	181.6	174.9
135°	133.3	131.6	128.3	128.3	136.6	156.6	178.2	184.9	183.2	166.6	161.6
137.5°	129.9	126.6	126.6	126.6	134.9	154.9	168.2	173.2	171.6	154.9	149.9
140°	124.9	123.3	119.9	119.9	131.6	149.9	158.2	159.9	158.2	144.9	139.9
142.5°	116.6	114.9	113.3	116.6	128.3	141.6	148.2	148.2	146.6	138.3	131.6
145°	111.6	109.9	108.3	116.6	126.6	133.3	139.9	134.9	134.9	129.9	123.3
147.5°	106.6	104.9	104.9	111.6	119.9	119.9	124.9	123.3	124.9	123.3	116.6
150°	96.6	94.9	94.9	99.9	101.6	101.6	106.6	106.6	106.6	106.6	101.6
152.5°	85.0	83.3	85.0	86.6	86.6	86.6	89.9	91.6	91.6	89.9	88.3
155°	73.3	73.3	73.3	75.0	75.0	73.3	78.3	78.3	78.3	78.3	76.6
157.5°	65.0	65.0	65.0	65.0	65.0	63.3	66.6	66.6	68.3	66.6	66.6
160°	56.6	55.0	55.0	55.0	55.0	53.3	55.0	55.0	55.0	56.6	56.6
162.5°	45.0	43.3	43.3	43.3	43.3	40.0	43.3	41.6	43.3	43.3	45.0
165°	36.6	35.0	35.0	35.0	33.3	31.6	33.3	31.6	31.6	31.6	33.3
167.5°	28.3	28.3	26.7	28.3	26.7	23.3	23.3	21.7	21.7	21.7	21.7
170°	21.7	20.0	18.3	20.0	18.3	15.0	15.0	13.3	13.3	11.7	11.7
172.5°	15.0	13.3	11.7	13.3	11.7	8.3	8.3	5.0	5.0	5.0	5.0
175°	13.3	11.7	10.0	11.7	10.0	6.7	5.0	3.3	3.3	3.3	3.3
177.5°	13.3	11.7	10.0	11.7	10.0	6.7	5.0	3.3	3.3	3.3	3.3
180°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
2.5°	99.9	98.3	96.6	99.9	98.3	99.9	101.6	103.3	103.3	101.6	101.6
5°	114.9	113.3	109.9	108.3	104.9	104.9	104.9	108.3	108.3	106.6	108.3
7.5°	136.6	133.3	128.3	124.9	119.9	119.9	118.3	121.6	123.3	119.9	121.6
10°	153.2	151.6	144.9	139.9	134.9	133.3	133.3	134.9	134.9	133.3	133.3
12.5°	168.2	164.9	158.2	153.2	146.6	144.9	144.9	146.6	146.6	144.9	144.9
15°	189.9	179.9	173.2	168.2	161.6	159.9	158.2	159.9	161.6	158.2	158.2
17.5°	219.9	208.2	193.2	179.9	173.2	176.6	178.2	179.9	178.2	173.2	173.2
20°	236.5	229.9	209.9	199.9	191.6	191.6	191.6	191.6	191.6	189.9	191.6
22.5°	248.2	238.2	213.2	206.5	201.6	204.9	208.2	209.9	209.9	208.2	208.2
25°	301.5	264.9	239.9	234.9	228.2	229.9	226.5	226.5	228.2	226.5	229.9
27.5°	414.8	354.8	298.2	278.2	273.2	273.2	276.5	276.5	276.5	276.5	274.8
30°	498.1	428.1	334.8	308.2	304.8	319.8	328.1	334.8	331.5	326.5	326.5
32.5°	511.4	434.8	341.5	331.5	339.8	351.5	359.8	364.8	369.8	368.1	366.5
35°	483.1	401.4	336.5	349.8	356.5	363.1	364.8	361.5	376.5	383.1	384.8
37.5°	539.7	449.7	391.4	401.4	393.1	386.4	389.8	391.4	411.4	421.4	431.4
40°	689.6	543.0	444.7	439.8	434.8	449.7	469.7	479.7	478.1	471.4	473.1
42.5°	834.5	634.6	501.4	499.7	498.1	524.7	556.4	554.7	539.7	528.0	528.0
45°	982.8	722.9	591.3	593.0	589.7	599.7	608.0	601.3	603.0	606.3	609.7
47.5°	1074.4	802.9	648.0	643.0	621.3	641.3	664.6	649.6	644.6	636.3	639.6
50°	1096.0	822.9	681.3	717.9	697.9	682.9	658.0	648.0	666.3	679.6	689.6
52.5°	1424.2	1016.1	851.2	909.5	882.8	829.5	824.5	807.9	827.9	829.5	841.2
55°	2387.0	1629.1	1172.7	1229.3	1231.0	1212.6	1295.9	1249.3	1207.6	1189.3	1182.7
57.5°	3762.9	2518.6	1517.5	1589.1	1657.4	1722.4	1835.6	1740.7	1620.7	1605.8	1622.4
60°	4818.9	3556.3	1935.6	2137.1	2228.7	2232.1	2247.1	2153.8	2080.5	2087.2	2110.5
62.5°	5045.5	4422.5	2465.3	2548.6	2556.9	2495.3	2521.9	2581.9	2478.6	2397.0	2418.6
65°	4893.9	4765.6	2638.5	2422.0	2408.6	2418.6	2600.2	2766.8	2558.6	2352.0	2352.0
67.5°	4600.7	4504.1	2461.9	2178.8	2215.4	2328.7	2558.6	2641.8	2420.3	2200.4	2200.4
70°	4287.6	4094.3	2263.7	1985.5	2075.5	2207.1	2357.0	2363.7	2233.7	2077.2	2067.2
72.5°	3949.4	3774.5	2178.8	1928.9	1970.6	1993.9	2075.5	2127.1	2112.1	2010.5	2008.9
75°	3849.5	3707.9	2177.1	1902.3	1877.3	1868.9	1925.6	2037.2	2088.8	2028.9	2032.2
77.5°	3697.9	3613.0	2075.5	1790.7	1764.0	1764.0	1794.0	1883.9	1962.2	1937.2	1945.6
80°	3593.0	3464.7	1920.6	1669.1	1632.4	1637.4	1640.7	1702.4	1775.7	1779.0	1779.0
82.5°	3391.4	3149.9	1685.7	1487.5	1462.5	1469.2	1457.5	1492.5	1512.5	1537.5	1532.5
85°	3059.9	2718.5	1424.2	1289.3	1249.3	1236.0	1226.0	1227.6	1239.3	1234.3	1214.3
87.5°	2563.5	2155.4	1136.0	1057.7	1011.1	977.8	964.5	947.8	946.1	927.8	934.5
90°	1892.3	1479.2	842.9	814.5	781.2	746.2	727.9	711.3	697.9	679.6	673.0
92.5°	1234.3	952.8	616.3	601.3	579.7	559.7	551.4	543.0	539.7	524.7	529.7
95°	771.2	644.6	463.1	446.4	434.8	429.8	431.4	433.1	429.8	413.1	418.1
97.5°	514.7	466.4	361.5	349.8	338.1	336.5	338.1	341.5	343.1	331.5	334.8
100°	379.8	358.1	296.5	288.2	278.2	274.8	276.5	279.8	281.5	271.5	273.2
102.5°	301.5	291.5	256.5	253.2	241.5	238.2	241.5	243.2	244.9	238.2	238.2
105°	264.9	264.9	236.5	234.9	226.5	223.2	224.9	226.5	228.2	221.5	221.5
107.5°	254.9	256.5	228.2	229.9	224.9	223.2	226.5	229.9	228.2	223.2	221.5
110°	263.2	266.5	228.2	233.2	234.9	238.2	244.9	246.5	246.5	243.2	244.9



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	271.5	276.5	224.9	236.5	248.2	256.5	268.2	274.8	271.5	269.8	271.5
115°	264.9	268.2	209.9	228.2	249.9	261.5	264.9	264.9	256.5	256.5	258.2
117.5°	256.5	263.2	194.9	209.9	224.9	234.9	233.2	228.2	218.2	214.9	224.9
120°	238.2	258.2	186.6	189.9	191.6	194.9	189.9	184.9	176.6	174.9	181.6
122.5°	219.9	238.2	171.6	168.2	166.6	166.6	164.9	163.2	158.2	159.9	166.6
125°	204.9	214.9	156.6	151.6	149.9	151.6	151.6	151.6	148.2	144.9	144.9
127.5°	193.2	196.6	148.2	141.6	139.9	139.9	139.9	141.6	139.9	134.9	134.9
130°	186.6	184.9	143.3	131.6	129.9	131.6	131.6	133.3	129.9	126.6	126.6
132.5°	173.2	169.9	136.6	124.9	123.3	124.9	124.9	124.9	121.6	118.3	118.3
135°	158.2	154.9	128.3	116.6	114.9	116.6	116.6	118.3	114.9	111.6	111.6
137.5°	146.6	143.3	119.9	109.9	108.3	108.3	109.9	109.9	108.3	104.9	104.9
140°	136.6	133.3	111.6	103.3	99.9	101.6	101.6	101.6	99.9	96.6	96.6
142.5°	128.3	126.6	103.3	94.9	91.6	93.3	93.3	94.9	91.6	88.3	88.3
145°	121.6	118.3	96.6	86.6	85.0	85.0	85.0	86.6	83.3	80.0	80.0
147.5°	114.9	111.6	88.3	78.3	76.6	76.6	76.6	76.6	75.0	71.6	70.0
150°	101.6	99.9	81.6	71.6	68.3	68.3	68.3	66.6	63.3	60.0	60.0
152.5°	86.6	85.0	71.6	63.3	60.0	60.0	58.3	58.3	55.0	53.3	51.6
155°	75.0	75.0	65.0	56.6	53.3	51.6	50.0	50.0	48.3	46.6	45.0
157.5°	66.6	65.0	58.3	51.6	45.0	45.0	43.3	43.3	41.6	40.0	38.3
160°	56.6	56.6	50.0	43.3	38.3	36.6	36.6	35.0	33.3	31.6	31.6
162.5°	45.0	45.0	40.0	35.0	30.0	30.0	28.3	28.3	26.7	25.0	23.3
165°	31.6	31.6	30.0	26.7	23.3	21.7	21.7	21.7	20.0	18.3	18.3
167.5°	21.7	21.7	20.0	18.3	16.7	15.0	16.7	16.7	15.0	13.3	13.3
170°	11.7	11.7	10.0	10.0	8.3	8.3	10.0	11.7	10.0	8.3	6.7
172.5°	5.0	5.0	5.0	5.0	3.3	5.0	6.7	8.3	6.7	5.0	5.0
175°	3.3	3.3	5.0	5.0	3.3	5.0	6.7	8.3	6.7	5.0	5.0
177.5°	3.3	3.3	5.0	5.0	3.3	5.0	6.7	8.3	6.7	5.0	5.0
180°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7

(END OF REPORT)