

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: P588487

Luminaire Tested: **GAT-CA6-LED-60-760-U-33-5-6-X**

Issue Date: 11/30/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P588487  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2107-308-14)  
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-60-760-U-33-5-6-X  
Description: GENERATIONS SERIES AVENUE WITH AVENUE CAGE AND TYPE III REFRACTOR  
Light Source: (6) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6117 lumens  
Efficiency: N/A  
Efficacy: 95.1 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 1.25')  
IES Classification: Type III - Short - Non-Cutoff  
BUG Rating: B3 - U3 - G3

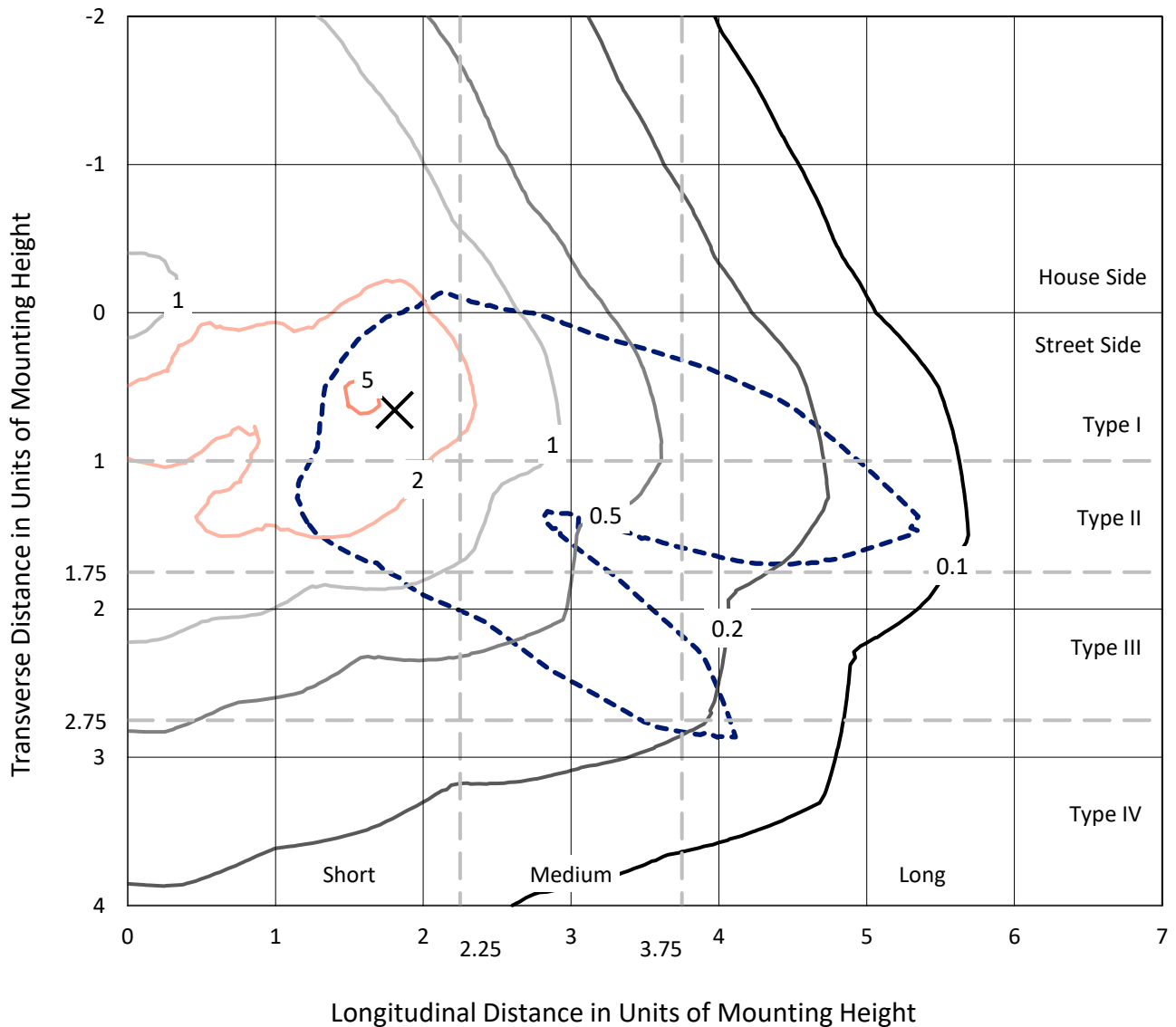
Input Watts (W): 64.3  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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 CATALOG NUMBER: GAT-CA6-LED-60-760-U-33-5-6-X

### Iso-Footcandle Lines of Horizontal Illumination

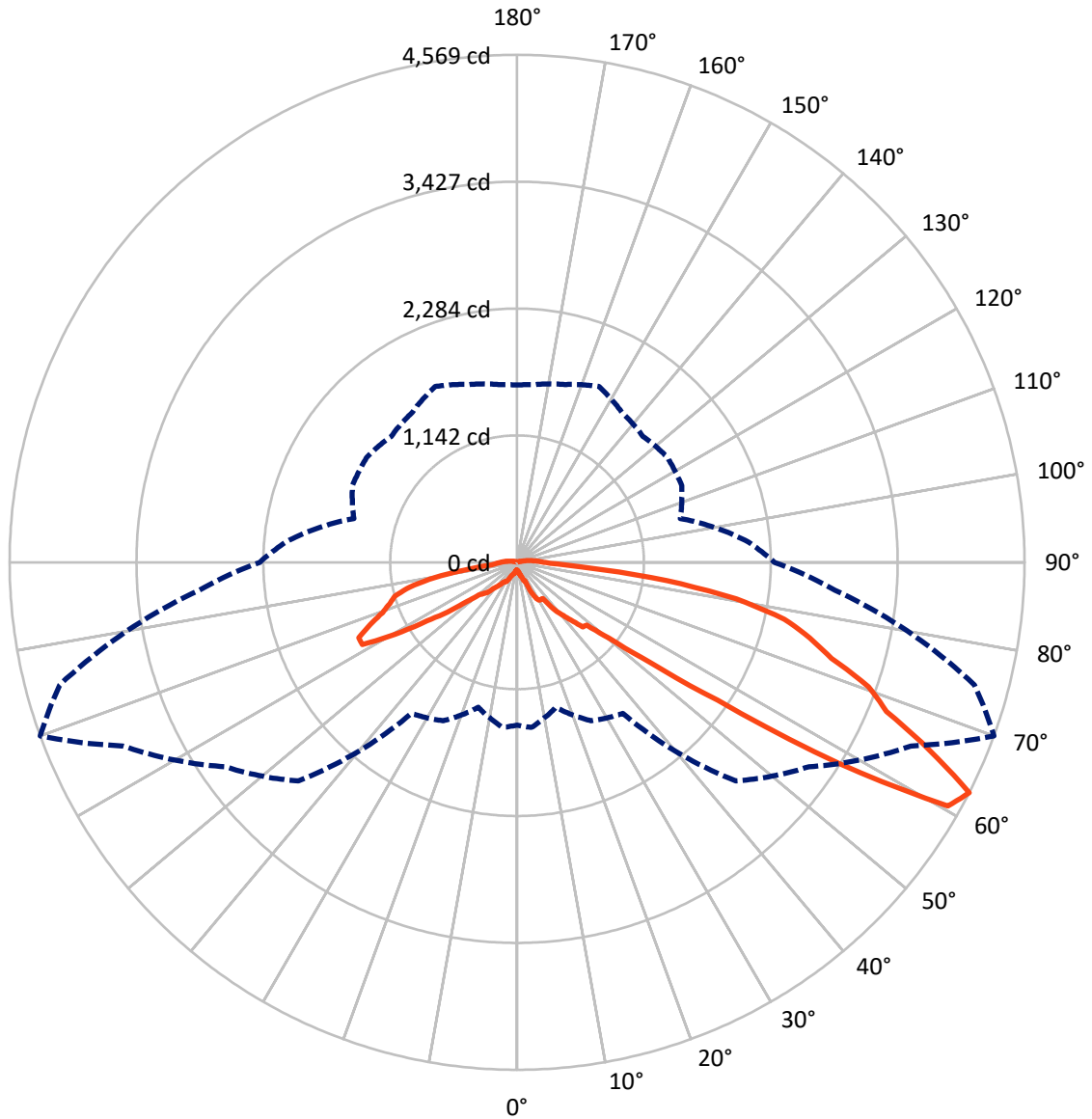
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.3 fc  
 Type III - Short - Non-Cutoff

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CATALOG NUMBER: GAT-CA6-LED-60-760-U-33-5-6-X

### Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

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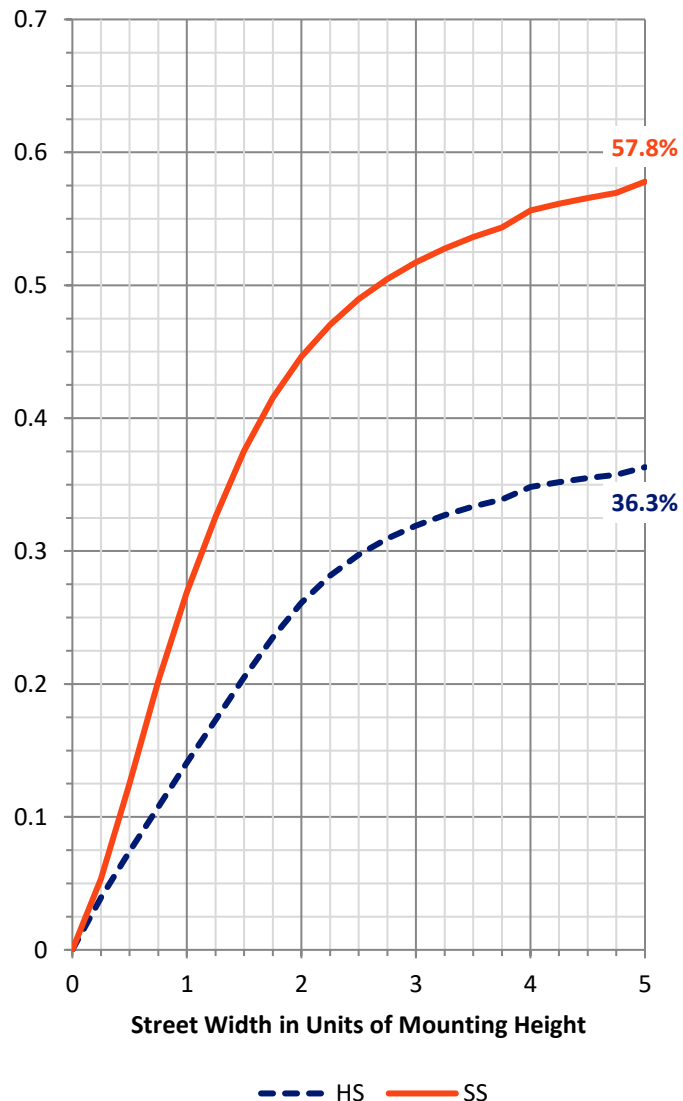
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2267.1	83.1	2350.2
	% Fixture	37.1	1.4	38.4
<b>Street Side</b>	Lumens	3652.6	114.2	3766.8
	% Fixture	59.7	1.9	61.6
<b>Total</b>	Lumens	5919.7	197.3	6117.0
	% Fixture	96.8	3.2	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	7.7	0.1
10°-20°	33.3	0.5
20°-30°	103.2	1.7
30°-40°	221.3	3.6
40°-50°	414.6	6.8
50°-60°	1075.9	17.6
60°-70°	1970.9	32.2
70°-80°	1580.9	25.8
80°-90°	511.9	8.4
90°-100°	134.9	2.2
100°-110°	43.9	0.7
110°-120°	17.2	0.3
120°-130°	1.3	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°-90°	5919.7	96.8
0°-180°	6117.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P588487

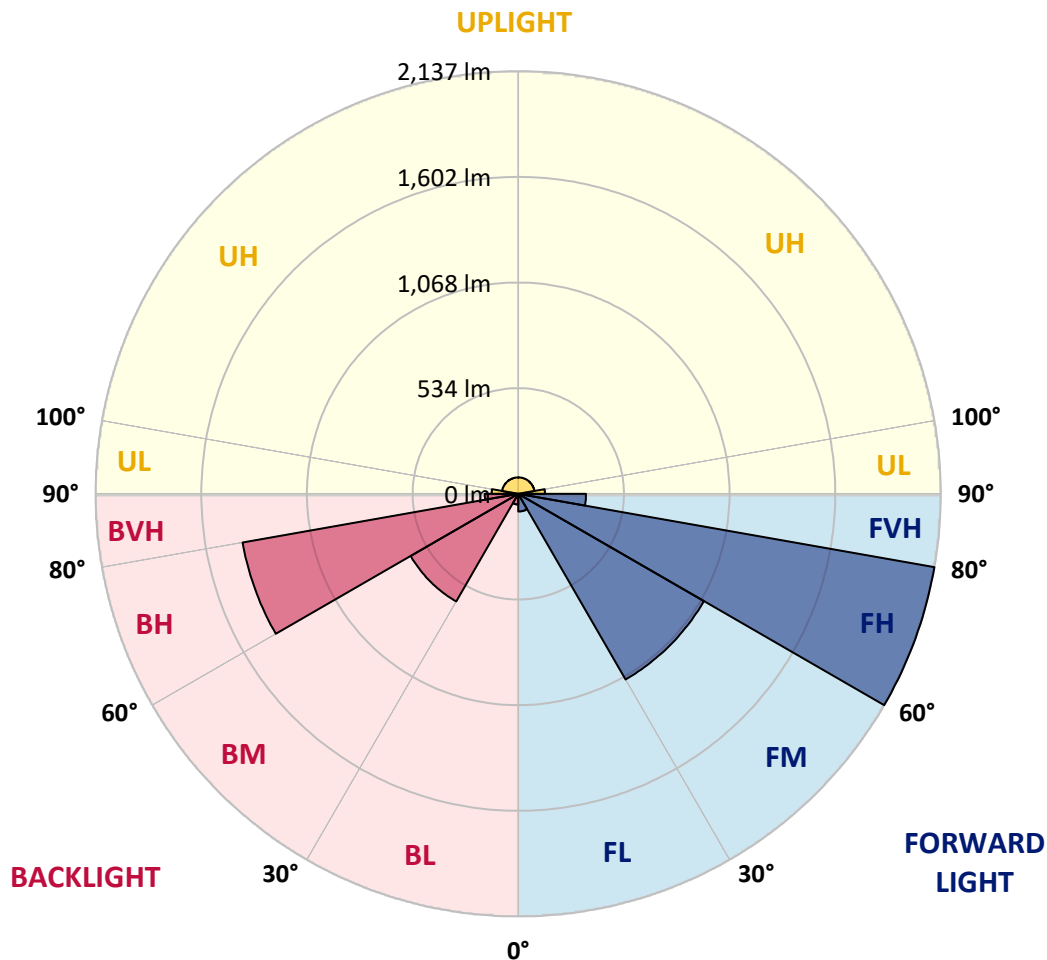
CATALOG NUMBER: GAT-CA6-LED-60-760-U-33-5-6-X

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	89.8	1.5			
FM (30°-60°)	1083.8	17.7			
FH (60°-80°)	2136.5	34.9			G2/5000
FVH (80°-90°)	342.5	5.6			G3/500
BL (0°-30°)	54.5	0.9	B0/110		
BM (30°-60°)	628.0	10.3	B1/1000		
BH (60°-80°)	1415.2	23.1	B3/2500		G3/2500
BVH (80°-90°)	169.4	2.8			G2/225
UL (90°-100°)	134.9	2.2		U3/500	
UH (100°-180°)	83.1	1.4		U3/500	

**BUG Rating: B3-U3-G3**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
2.5°	78.3	78.3	78.3	77.2	76.0	74.8	73.7	73.7	72.5	71.3	70.2
5°	85.4	84.2	83.0	80.7	79.5	79.5	78.3	78.3	78.3	77.2	76.0
7.5°	94.7	94.7	93.6	92.4	91.2	90.0	88.9	87.7	87.7	86.5	85.4
10°	107.6	107.6	107.6	106.4	106.4	105.2	102.9	101.7	99.4	98.2	94.7
12.5°	120.4	121.6	119.3	119.3	119.3	118.1	115.8	114.6	112.3	109.9	105.2
15°	133.3	132.1	131.0	129.8	132.1	132.1	131.0	131.0	126.3	122.8	114.6
17.5°	145.0	145.0	146.2	146.2	149.7	148.5	148.5	147.3	145.0	139.2	128.6
20°	163.7	164.9	164.9	164.9	176.6	181.3	182.4	183.6	180.1	168.4	147.3
22.5°	182.4	183.6	191.8	189.4	189.4	189.4	201.1	195.3	180.1	166.1	154.4
25°	246.7	250.2	252.6	260.8	270.1	295.9	336.8	323.9	300.5	252.6	212.8
27.5°	308.7	313.4	355.5	414.0	422.1	391.7	421.0	382.4	370.7	321.6	288.8
30°	336.8	345.0	417.5	457.2	471.3	431.5	473.6	399.9	396.4	361.3	333.3
32.5°	343.8	349.6	429.2	433.8	437.3	432.7	495.8	405.8	397.6	362.5	321.6
35°	333.3	340.3	394.1	367.2	368.4	451.4	569.5	437.3	399.9	339.1	293.5
37.5°	410.5	410.5	456.1	463.1	493.5	594.0	746.1	577.7	535.6	442.0	385.9
40°	467.8	473.6	546.1	573.0	577.7	663.0	934.3	677.1	617.4	494.6	451.4
42.5°	544.9	543.8	610.4	629.1	642.0	673.6	955.4	778.8	708.6	560.1	527.4
45°	557.8	576.5	637.3	616.3	632.6	713.3	997.5	922.6	829.1	684.1	616.3
47.5°	506.3	532.1	654.9	637.3	571.8	609.2	799.9	947.2	844.3	702.8	654.9
50°	546.1	560.1	620.9	609.2	521.5	647.8	878.2	1186.9	1072.3	836.1	713.3
52.5°	706.3	736.7	747.2	792.8	750.7	969.4	1229.0	1503.8	1488.6	1210.3	941.3
55°	907.4	951.9	998.6	1171.7	1196.3	1522.5	1715.5	2009.0	2191.4	1914.3	1444.2
57.5°	1124.9	1188.1	1172.9	1424.3	1462.9	2062.8	2240.5	2928.1	3415.7	3039.2	2115.4
60°	1335.4	1377.5	1292.2	1513.2	1586.8	2597.2	2858.0	3813.3	4455.3	4054.2	2605.4
62.5°	1465.2	1492.1	1351.8	1574.0	1660.5	2783.1	3207.6	3912.7	4568.8	4263.5	2870.8
65°	1464.1	1457.0	1296.8	1489.8	1478.1	2569.1	3100.0	3288.3	4081.1	4029.7	2904.7
67.5°	1406.8	1409.1	1240.7	1393.9	1346.0	2265.1	2872.0	2781.9	3587.6	3656.6	2825.2
70°	1351.8	1379.9	1219.7	1353.0	1330.7	2178.5	2772.6	2503.6	3356.1	3487.1	2741.0
72.5°	1274.6	1301.5	1150.7	1267.6	1275.8	2005.5	2603.0	2185.6	2959.7	3117.6	2456.9
75°	1273.5	1307.4	1165.9	1268.8	1281.6	1907.3	2624.1	2075.6	2722.3	2934.0	2293.1
77.5°	1200.9	1231.4	1100.4	1196.3	1232.5	1726.0	2503.6	1938.8	2459.2	2696.6	2079.2
80°	964.7	1005.7	898.1	961.2	981.1	1294.5	2007.8	1588.0	2000.8	2238.2	1699.1
82.5°	659.5	696.9	625.6	672.4	698.1	849.0	1388.0	1143.6	1360.0	1505.0	1064.1
85°	381.2	425.7	383.6	377.7	390.6	447.9	747.2	608.1	632.6	665.4	472.4
87.5°	239.7	246.7	225.7	226.9	229.2	245.6	340.3	271.3	299.4	339.1	286.5
90°	190.6	197.6	182.4	183.6	180.1	195.3	254.9	207.0	230.4	265.4	226.9
92.5°	164.9	169.6	159.0	161.4	159.0	170.7	212.8	170.7	189.4	217.5	185.9
95°	140.3	143.8	138.0	139.2	132.1	139.2	166.1	129.8	143.8	163.7	139.2
97.5°	112.3	115.8	112.3	112.3	105.2	108.8	127.5	100.6	109.9	122.8	105.2
100°	88.9	90.0	88.9	87.7	81.9	81.9	88.9	72.5	76.0	84.2	72.5
102.5°	67.8	69.0	67.8	66.7	59.6	56.1	56.1	46.8	49.1	51.5	45.6
105°	53.8	55.0	53.8	51.5	45.6	42.1	40.9	33.9	33.9	35.1	31.6
107.5°	44.4	44.4	44.4	42.1	38.6	33.9	30.4	24.6	24.6	25.7	24.6
110°	36.3	36.3	35.1	33.9	30.4	26.9	23.4	19.9	19.9	19.9	18.7



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	30.4	30.4	29.2	28.1	24.6	21.0	18.7	16.4	16.4	16.4	15.2
115°	25.7	25.7	24.6	23.4	21.0	17.5	15.2	12.9	12.9	12.9	12.9
117.5°	22.2	22.2	21.0	19.9	17.5	15.2	12.9	10.5	10.5	10.5	10.5
120°	19.9	18.7	17.5	16.4	14.0	12.9	10.5	9.4	9.4	9.4	8.2
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
2.5°	70.2	70.2	69.0	69.0	69.0	67.8	67.8	69.0	69.0	69.0	69.0
5°	74.8	73.7	71.3	69.0	67.8	66.7	65.5	65.5	67.8	67.8	67.8
7.5°	84.2	83.0	79.5	77.2	74.8	72.5	71.3	70.2	71.3	72.5	72.5
10°	93.6	92.4	87.7	84.2	83.0	80.7	79.5	78.3	79.5	79.5	79.5
12.5°	102.9	100.6	97.1	92.4	90.0	88.9	87.7	86.5	86.5	86.5	86.5
15°	111.1	107.6	104.1	100.6	98.2	95.9	94.7	93.6	94.7	95.9	95.9
17.5°	124.0	120.4	112.3	106.4	105.2	102.9	101.7	101.7	102.9	104.1	104.1
20°	138.0	131.0	121.6	115.8	114.6	111.1	109.9	109.9	111.1	112.3	112.3
22.5°	149.7	145.0	131.0	122.8	121.6	120.4	121.6	121.6	122.8	124.0	124.0
25°	190.6	171.9	152.0	146.2	145.0	142.7	140.3	139.2	140.3	143.8	145.0
27.5°	257.3	223.4	185.9	173.1	173.1	175.4	180.1	182.4	177.7	175.4	176.6
30°	301.7	256.1	202.3	190.6	192.9	204.6	215.2	222.2	217.5	214.0	215.2
32.5°	290.0	247.9	209.3	207.0	214.0	223.4	229.2	232.7	242.1	245.6	250.2
35°	264.3	232.7	211.7	221.0	225.7	225.7	225.7	225.7	243.2	259.6	264.3
37.5°	322.7	269.0	251.4	254.9	251.4	247.9	251.4	260.8	276.0	288.8	292.3
40°	378.9	311.1	281.8	279.5	278.3	290.0	311.1	327.4	332.1	320.4	322.7
42.5°	440.9	352.0	314.6	318.1	327.4	346.1	369.5	369.5	369.5	359.0	362.5
45°	499.3	399.9	377.7	387.1	387.1	396.4	409.3	401.1	411.6	416.3	422.1
47.5°	568.3	464.2	415.1	406.9	408.1	426.8	431.5	428.0	435.0	426.8	426.8
50°	589.4	474.8	436.2	467.8	467.8	446.7	429.2	431.5	451.4	473.6	478.3
52.5°	749.6	588.2	553.1	585.9	599.9	563.6	563.6	568.3	573.0	589.4	594.0
55°	1121.4	838.4	733.2	809.2	819.7	842.0	902.8	893.4	839.6	812.7	810.4
57.5°	1676.9	1244.2	913.3	1020.9	1088.7	1179.9	1225.5	1198.6	1126.1	1101.6	1074.7
60°	2143.5	1703.8	1183.4	1370.5	1472.2	1487.4	1471.1	1473.4	1418.5	1436.0	1429.0
62.5°	2316.5	2090.8	1521.4	1634.8	1650.0	1603.2	1646.5	1745.9	1657.0	1604.4	1596.2
65°	2368.0	2234.7	1616.1	1542.4	1528.4	1520.2	1690.9	1857.0	1658.2	1535.4	1534.2
67.5°	2316.5	2087.3	1495.6	1374.0	1406.8	1473.4	1695.6	1757.6	1570.5	1434.8	1425.5
70°	2249.9	1850.0	1346.0	1240.7	1316.7	1413.8	1555.3	1530.7	1457.0	1336.6	1330.7
72.5°	2007.8	1603.2	1250.1	1162.4	1248.9	1277.0	1347.1	1336.6	1357.6	1281.6	1278.1
75°	1797.3	1472.2	1192.8	1089.9	1132.0	1127.3	1183.4	1196.3	1255.9	1223.2	1210.3
77.5°	1550.6	1280.5	1051.3	932.0	948.4	947.2	974.1	982.3	1024.4	1026.7	1012.7
80°	1213.8	1003.3	820.9	701.6	704.0	682.9	686.4	685.3	693.4	702.8	689.9
82.5°	696.9	560.1	465.4	389.4	373.0	345.0	339.1	341.5	337.9	335.6	335.6
85°	341.5	265.4	244.4	218.7	209.3	202.3	205.8	212.8	216.3	209.3	205.8
87.5°	230.4	198.8	189.4	178.9	174.2	167.2	171.9	177.7	182.4	176.6	175.4
90°	182.4	157.9	155.5	153.2	149.7	143.8	148.5	155.5	159.0	154.4	152.0
92.5°	147.3	127.5	127.5	126.3	122.8	118.1	124.0	129.8	133.3	129.8	128.6
95°	113.4	98.2	101.7	99.4	95.9	94.7	98.2	102.9	105.2	102.9	102.9
97.5°	87.7	77.2	80.7	79.5	74.8	73.7	76.0	79.5	81.9	79.5	78.3
100°	59.6	55.0	59.6	59.6	55.0	52.6	55.0	58.5	59.6	59.6	58.5
102.5°	39.8	37.4	43.3	44.4	42.1	39.8	40.9	43.3	44.4	44.4	44.4
105°	28.1	28.1	33.9	35.1	32.7	30.4	32.7	33.9	33.9	33.9	33.9
107.5°	22.2	23.4	26.9	29.2	26.9	24.6	25.7	26.9	26.9	26.9	28.1
110°	18.7	18.7	22.2	24.6	22.2	21.0	21.0	21.0	21.0	22.2	24.6



REPORT NUMBER: P588487  
 CATALOG NUMBER: GAT-CA6-LED-60-760-U-33-5-6-X

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	15.2	16.4	18.7	19.9	18.7	17.5	17.5	17.5	17.5	18.7	22.2
115°	12.9	14.0	16.4	16.4	15.2	15.2	15.2	14.0	14.0	15.2	21.0
117.5°	10.5	11.7	12.9	12.9	12.9	11.7	11.7	11.7	11.7	14.0	22.2
120°	9.4	9.4	10.5	10.5	9.4	9.4	9.4	9.4	8.2	11.7	17.5
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)