

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: P588484

Luminaire Tested: **GAT-CA6-LED-60-750-U-33-5-X-X**

Issue Date: 11/30/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P588484  
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-60-750-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: 9214 lumens  
Efficiency: N/A  
Efficacy: 143.3 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

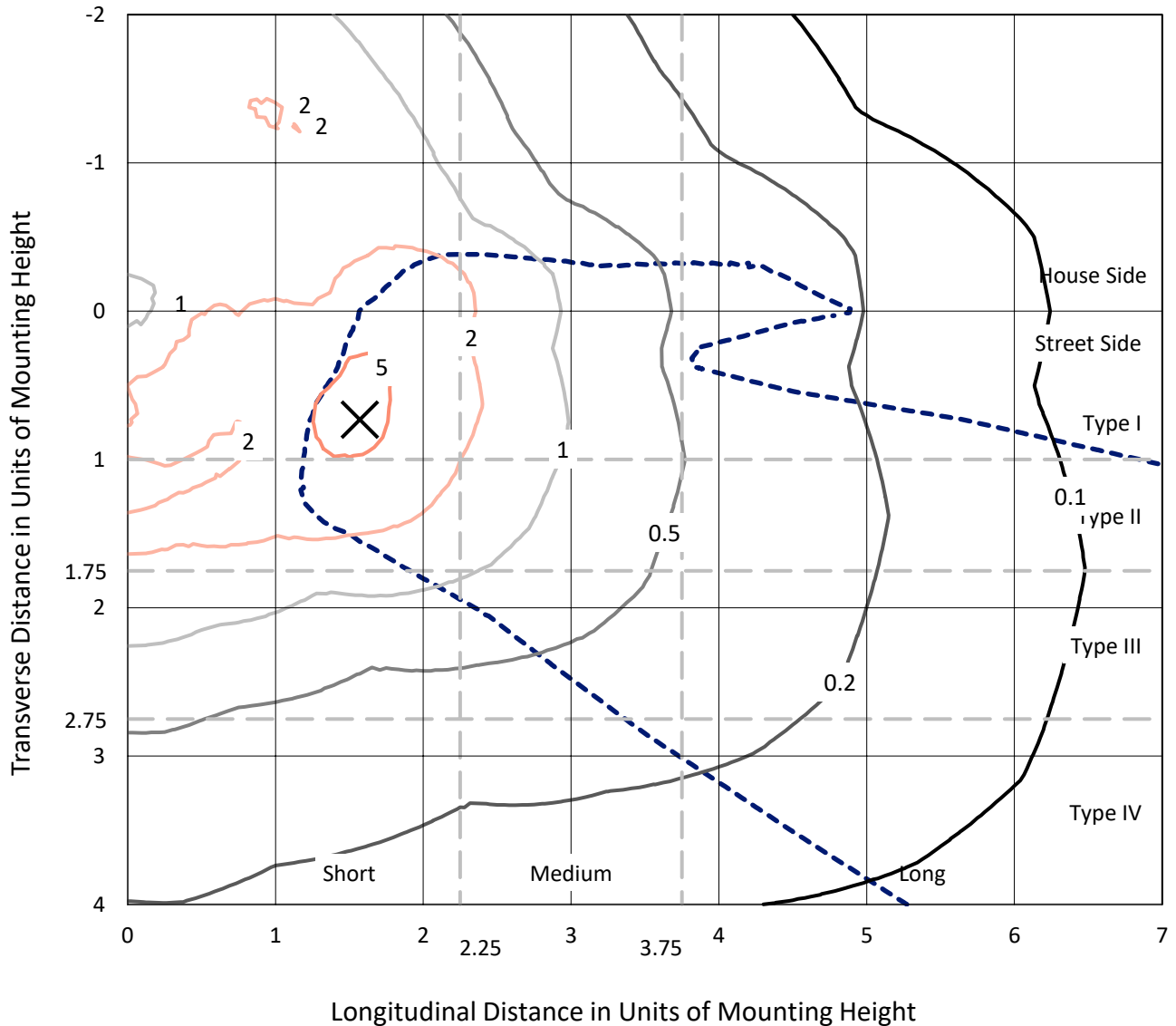
Input Watts (W): 64.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

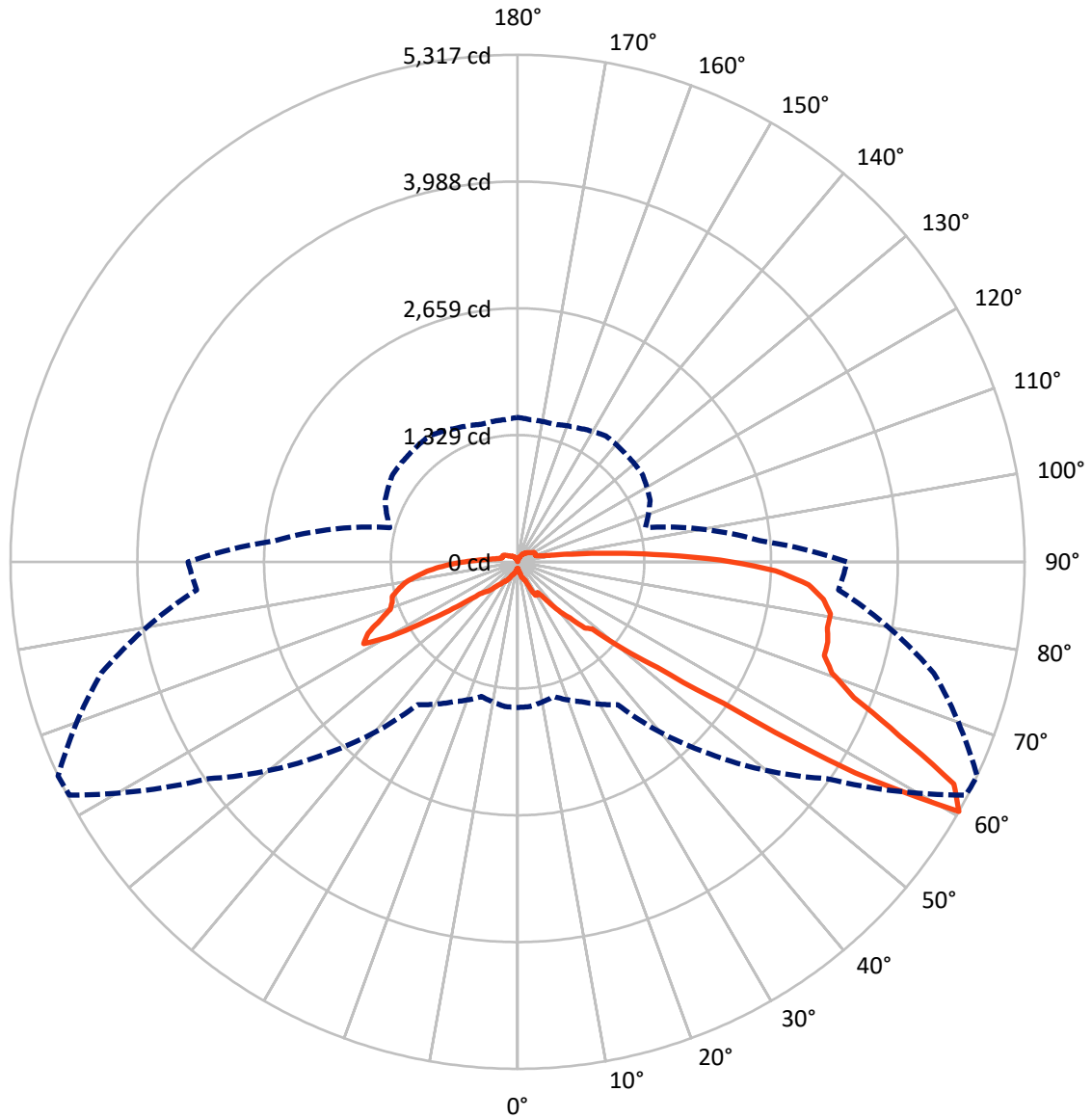
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.6 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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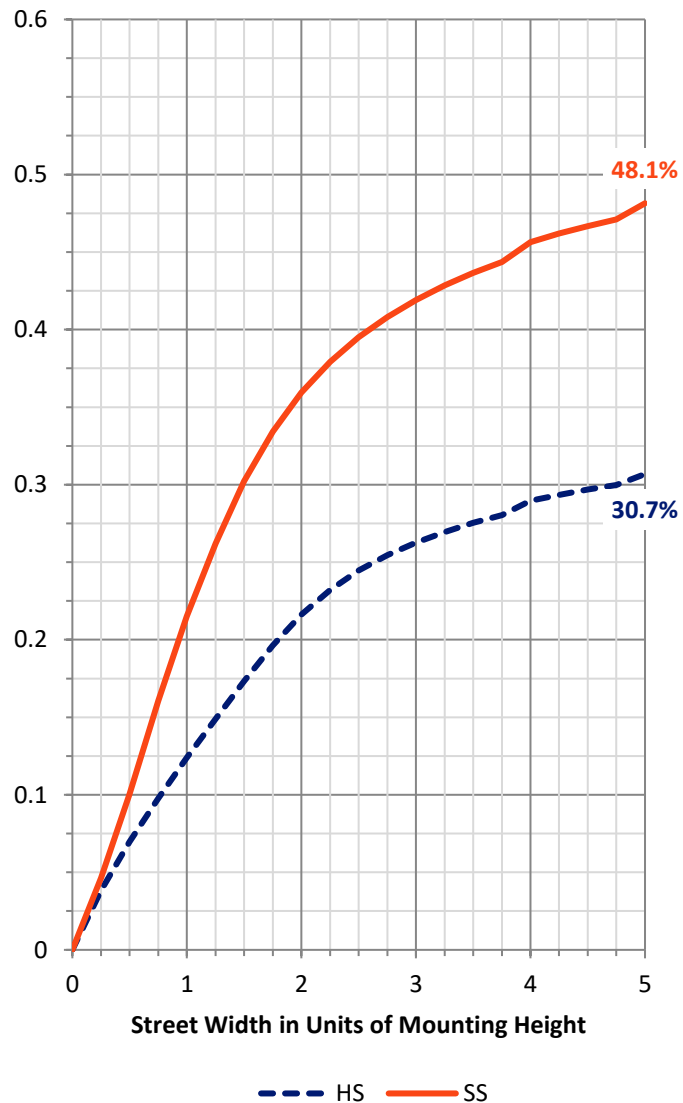
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3072.6	492.1	3564.7
	% Fixture	33.3	5.3	38.7
<b>Street Side</b>	Lumens	4915.8	733.4	5649.3
	% Fixture	53.4	8.0	61.3
<b>Total</b>	Lumens	7988.5	1225.5	9214.0
	% Fixture	86.7	13.3	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	8.8	0.1
10°-20°	39.3	0.4
20°-30°	112.5	1.2
30°-40°	242.3	2.6
40°-50°	458.6	5.0
50°-60°	1281.1	13.9
60°-70°	2283.9	24.8
70°-80°	1999.6	21.7
80°-90°	1562.3	17.0
90°-100°	590.7	6.4
100°-110°	203.2	2.2
110°-120°	166.1	1.8
120°-130°	111.6	1.2
130°-140°	76.6	0.8
140°-150°	48.2	0.5
150°-160°	22.3	0.2
160°-170°	6.3	0.1
170°-180°	0.6	0.0
0°-90°	7988.5	86.7
0°-180°	9214.0	100.0

**Coefficient of Utilization**



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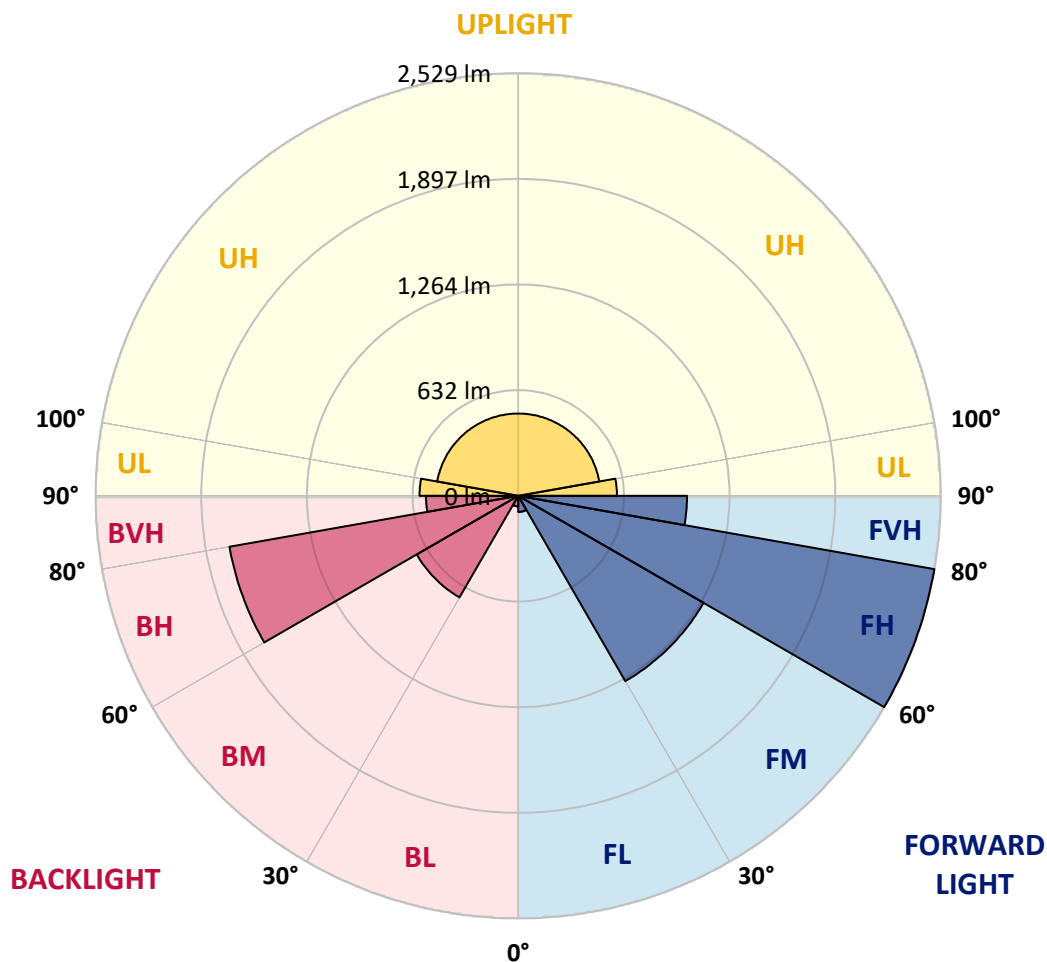
CATALOG NUMBER: GAT-CA6-LED-60-750-U-33-5-X-X

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	97.1	1.1			
FM (30°-60°)	1280.2	13.9			
FH (60°-80°)	2528.7	27.4			G2/5000
FVH (80°-90°)	1009.8	11.0			G5
BL (0°-30°)	63.6	0.7	B0/110		
BM (30°-60°)	701.8	7.6	B1/1000		
BH (60°-80°)	1754.7	19.0	B3/2500		G3/2500
BVH (80°-90°)	552.5	6.0			G4/750
UL (90°-100°)	590.7	6.4		U4/1000	
UH (100°-180°)	492.1	5.3		U3/500	

**BUG Rating: B3-U4-G5**

Type III Short





REPORT NUMBER: P588484  
 CATALOG NUMBER: GAT-CA6-LED-60-750-U-33-5-X-X

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	62.5°	65°	75°	85°
0°	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
2.5°	81.2	78.8	76.5	76.5	75.3	74.1	74.1	71.7	72.9	71.7	71.7
5°	95.6	94.4	92.0	93.2	90.8	89.6	89.6	88.4	87.2	86.0	82.4
7.5°	111.1	111.1	112.3	113.5	109.9	106.3	105.1	102.7	102.7	101.5	99.2
10°	127.8	126.6	121.8	121.8	119.5	117.1	118.3	117.1	117.1	117.1	112.3
12.5°	132.6	131.4	127.8	127.8	127.8	126.6	131.4	130.2	131.4	130.2	123.0
15°	149.3	148.1	146.9	148.1	152.9	162.5	174.4	169.6	170.8	168.4	142.2
17.5°	156.5	160.1	162.5	163.7	168.4	168.4	170.8	169.6	174.4	178.0	162.5
20°	181.6	179.2	181.6	189.9	201.9	203.1	199.5	199.5	201.9	203.1	173.2
22.5°	192.3	191.1	200.7	193.5	193.5	199.5	221.0	213.8	213.8	211.4	186.4
25°	249.7	254.4	264.0	275.9	304.6	313.0	336.9	310.6	314.2	277.1	236.5
27.5°	299.8	303.4	359.6	409.7	432.4	420.5	440.8	391.8	396.6	401.4	345.2
30°	315.4	322.5	403.8	440.8	470.7	446.8	473.1	408.5	405.0	432.4	409.7
32.5°	303.4	310.6	396.6	412.1	443.2	531.6	498.1	394.2	383.5	396.6	424.1
35°	333.3	338.1	389.4	352.4	381.1	743.0	652.2	459.9	438.4	365.5	406.2
37.5°	400.2	400.2	461.1	487.4	508.9	876.8	856.5	572.2	555.5	427.7	469.5
40°	485.0	482.6	557.9	575.8	585.3	794.4	1035.7	729.9	692.9	502.9	611.6
42.5°	536.4	531.6	592.5	611.6	611.6	672.5	1171.9	888.8	802.8	586.5	747.8
45°	556.7	561.5	640.3	616.4	634.3	690.5	1317.6	1108.6	987.9	688.1	867.3
47.5°	504.1	511.3	624.8	627.2	536.4	551.9	1181.4	1151.6	1052.4	737.1	905.5
50°	618.8	623.6	664.2	636.7	592.5	698.8	1407.2	1480.1	1437.1	912.7	955.7
52.5°	849.3	870.8	909.1	933.0	919.8	1174.3	1887.4	1874.3	1838.5	1370.2	1304.5
55°	1100.2	1118.1	1171.9	1316.4	1426.3	1758.4	2347.4	2622.1	2619.7	2225.5	2033.2
57.5°	1328.4	1329.6	1336.7	1514.7	1684.4	2296.0	3074.9	4084.3	4175.1	3555.1	2911.2
60°	1526.7	1523.1	1462.2	1621.0	1827.7	2846.7	3963.6	5299.2	5317.1	4520.3	3377.1
62.5°	1580.4	1569.7	1481.3	1629.4	1806.2	2857.4	4190.6	5154.6	5134.3	4588.4	3438.0
65°	1533.8	1523.1	1410.8	1543.4	1627.0	2597.0	3870.4	4433.1	4399.6	4191.8	3273.2
67.5°	1464.6	1471.7	1360.6	1462.2	1519.5	2435.8	3533.6	3814.3	3804.7	3906.3	3135.8
70°	1364.2	1370.2	1268.6	1394.1	1477.7	2333.0	3211.0	3515.7	3498.9	3648.3	2933.9
72.5°	1367.8	1385.7	1265.1	1359.4	1446.6	2192.1	3065.3	3412.9	3363.9	3386.6	2691.4
75°	1377.4	1401.2	1273.4	1358.2	1439.5	2140.7	3048.6	3421.3	3359.2	3292.3	2599.4
77.5°	1380.9	1415.6	1278.2	1371.4	1441.9	2070.2	3010.3	3379.5	3320.9	3201.5	2490.7
80°	1352.3	1389.3	1257.9	1372.6	1426.3	1930.4	2913.6	3372.3	3328.1	3189.5	2446.5
82.5°	1294.9	1332.0	1218.5	1312.8	1396.5	1788.3	2777.4	3232.5	3230.1	3074.9	2353.3
85°	1169.5	1210.1	1124.1	1211.3	1314.0	1599.5	2502.6	2994.8	3060.5	2935.1	2227.9
87.5°	1048.8	1089.5	1044.1	1093.0	1197.0	1390.5	2150.2	2585.1	2708.1	2604.2	1913.7
90°	911.5	953.3	916.2	897.1	980.8	1109.8	1719.0	2010.5	2126.4	2063.0	1408.4
92.5°	729.9	765.7	731.1	686.9	737.1	814.7	1277.0	1407.2	1434.7	1373.8	923.4
95°	551.9	578.2	547.1	502.9	508.9	557.9	880.4	922.2	915.0	842.2	586.5
97.5°	383.5	399.0	378.7	347.6	358.4	389.4	583.0	578.2	578.2	514.9	383.5
100°	266.4	272.4	262.8	248.5	256.8	277.1	391.8	390.6	378.7	347.6	279.5
102.5°	211.4	212.6	203.1	193.5	188.7	207.9	283.1	281.9	284.3	270.0	218.6
105°	186.4	185.2	176.8	168.4	158.9	178.0	224.6	234.1	232.9	221.0	187.5
107.5°	170.8	169.6	161.3	154.1	145.7	162.5	194.7	207.9	206.7	205.5	176.8
110°	158.9	157.7	150.5	143.3	136.2	155.3	182.8	203.1	203.1	203.1	179.2



REPORT NUMBER: P588484  
 CATALOG NUMBER: GAT-CA6-LED-60-750-U-33-5-X-X

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	62.5°	65°	75°	85°
112.5°	150.5	150.5	144.5	138.6	132.6	154.1	175.6	199.5	199.5	205.5	187.5
115°	145.7	144.5	139.8	136.2	131.4	155.3	173.2	197.1	198.3	206.7	186.4
117.5°	142.2	141.0	137.4	132.6	130.2	152.9	174.4	201.9	200.7	213.8	182.8
120°	136.2	133.8	129.0	124.2	121.8	141.0	169.6	195.9	193.5	199.5	168.4
122.5°	131.4	124.2	115.9	112.3	112.3	127.8	158.9	176.8	174.4	169.6	151.7
125°	120.7	113.5	106.3	105.1	106.3	119.5	151.7	162.5	163.7	160.1	143.3
127.5°	108.7	103.9	100.3	100.3	102.7	117.1	149.3	156.5	156.5	149.3	136.2
130°	102.7	101.5	99.2	99.2	103.9	118.3	145.7	148.1	148.1	138.6	132.6
132.5°	100.3	98.0	95.6	95.6	100.3	114.7	136.2	141.0	139.8	130.2	125.4
135°	95.6	94.4	92.0	92.0	98.0	112.3	127.8	132.6	131.4	119.5	115.9
137.5°	93.2	90.8	90.8	90.8	96.8	111.1	120.7	124.2	123.0	111.1	107.5
140°	89.6	88.4	86.0	86.0	94.4	107.5	113.5	114.7	113.5	103.9	100.3
142.5°	83.6	82.4	81.2	83.6	92.0	101.5	106.3	106.3	105.1	99.2	94.4
145°	80.0	78.8	77.6	83.6	90.8	95.6	100.3	96.8	96.8	93.2	88.4
147.5°	76.5	75.3	75.3	80.0	86.0	86.0	89.6	88.4	89.6	88.4	83.6
150°	69.3	68.1	68.1	71.7	72.9	72.9	76.5	76.5	76.5	76.5	72.9
152.5°	60.9	59.7	60.9	62.1	62.1	62.1	64.5	65.7	65.7	64.5	63.3
155°	52.6	52.6	52.6	53.8	53.8	52.6	56.1	56.1	56.1	56.1	55.0
157.5°	46.6	46.6	46.6	46.6	46.6	45.4	47.8	47.8	49.0	47.8	47.8
160°	40.6	39.4	39.4	39.4	39.4	38.2	39.4	39.4	39.4	40.6	40.6
162.5°	32.3	31.1	31.1	31.1	31.1	28.7	31.1	29.9	31.1	31.1	32.3
165°	26.3	25.1	25.1	25.1	23.9	22.7	23.9	22.7	22.7	22.7	23.9
167.5°	20.3	20.3	19.1	20.3	19.1	16.7	16.7	15.5	15.5	15.5	15.5
170°	15.5	14.3	13.1	14.3	13.1	10.8	10.8	9.6	9.6	8.4	8.4
172.5°	10.8	9.6	8.4	9.6	8.4	6.0	6.0	3.6	3.6	3.6	3.6
175°	9.6	8.4	7.2	8.4	7.2	4.8	3.6	2.4	2.4	2.4	2.4
177.5°	9.6	8.4	7.2	8.4	7.2	4.8	3.6	2.4	2.4	2.4	2.4
180°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
2.5°	71.7	70.5	69.3	71.7	70.5	71.7	72.9	74.1	74.1	72.9	72.9
5°	82.4	81.2	78.8	77.6	75.3	75.3	75.3	77.6	77.6	76.5	77.6
7.5°	98.0	95.6	92.0	89.6	86.0	86.0	84.8	87.2	88.4	86.0	87.2
10°	109.9	108.7	103.9	100.3	96.8	95.6	95.6	96.8	96.8	95.6	95.6
12.5°	120.7	118.3	113.5	109.9	105.1	103.9	103.9	105.1	105.1	103.9	103.9
15°	136.2	129.0	124.2	120.7	115.9	114.7	113.5	114.7	115.9	113.5	113.5
17.5°	157.7	149.3	138.6	129.0	124.2	126.6	127.8	129.0	127.8	124.2	124.2
20°	169.6	164.9	150.5	143.3	137.4	137.4	137.4	137.4	137.4	136.2	137.4
22.5°	178.0	170.8	152.9	148.1	144.5	146.9	149.3	150.5	150.5	149.3	149.3
25°	216.2	189.9	172.0	168.4	163.7	164.9	162.5	162.5	163.7	162.5	164.9
27.5°	297.5	254.4	213.8	199.5	195.9	195.9	198.3	198.3	198.3	198.3	197.1
30°	357.2	307.0	240.1	221.0	218.6	229.4	235.3	240.1	237.7	234.1	234.1
32.5°	366.7	311.8	244.9	237.7	243.7	252.1	258.0	261.6	265.2	264.0	262.8
35°	346.4	287.9	241.3	250.9	255.6	260.4	261.6	259.2	270.0	274.8	275.9
37.5°	387.0	322.5	280.7	287.9	281.9	277.1	279.5	280.7	295.1	302.2	309.4
40°	494.6	389.4	319.0	315.4	311.8	322.5	336.9	344.0	342.8	338.1	339.3
42.5°	598.5	455.1	359.6	358.4	357.2	376.3	399.0	397.8	387.0	378.7	378.7
45°	704.8	518.4	424.1	425.3	422.9	430.0	436.0	431.2	432.4	434.8	437.2
47.5°	770.5	575.8	464.7	461.1	445.6	459.9	476.6	465.9	462.3	456.3	458.7
50°	786.0	590.1	488.6	514.9	500.5	489.8	471.9	464.7	477.8	487.4	494.6
52.5°	1021.4	728.7	610.4	652.2	633.1	594.9	591.3	579.4	593.7	594.9	603.3
55°	1711.8	1168.3	841.0	881.6	882.8	869.7	929.4	895.9	866.1	852.9	848.2
57.5°	2698.6	1806.2	1088.3	1139.6	1188.6	1235.2	1316.4	1248.3	1162.3	1151.6	1163.5
60°	3455.9	2550.4	1388.1	1532.6	1598.3	1600.7	1611.5	1544.6	1492.0	1496.8	1513.5
62.5°	3618.4	3171.6	1768.0	1827.7	1833.7	1789.5	1808.6	1851.6	1777.5	1719.0	1734.5
65°	3509.7	3417.7	1892.2	1736.9	1727.4	1734.5	1864.7	1984.2	1834.9	1686.7	1686.7
67.5°	3299.4	3230.1	1765.6	1562.5	1588.8	1670.0	1834.9	1894.6	1735.7	1578.0	1578.0
70°	3074.9	2936.3	1623.4	1423.9	1488.4	1582.8	1690.3	1695.1	1601.9	1489.6	1482.5
72.5°	2832.4	2706.9	1562.5	1383.3	1413.2	1429.9	1488.4	1525.5	1514.7	1441.9	1440.7
75°	2760.7	2659.1	1561.3	1364.2	1346.3	1340.3	1380.9	1461.0	1498.0	1455.0	1457.4
77.5°	2652.0	2591.0	1488.4	1284.2	1265.1	1265.1	1286.6	1351.1	1407.2	1389.3	1395.3
80°	2576.7	2484.7	1377.4	1197.0	1170.7	1174.3	1176.7	1220.9	1273.4	1275.8	1275.8
82.5°	2432.2	2259.0	1208.9	1066.8	1048.8	1053.6	1045.3	1070.3	1084.7	1102.6	1099.0
85°	2194.4	1949.6	1021.4	924.6	895.9	886.4	879.2	880.4	888.8	885.2	870.8
87.5°	1838.5	1545.8	814.7	758.6	725.1	701.2	691.7	679.7	678.5	665.4	670.2
90°	1357.0	1060.8	604.5	584.2	560.3	535.2	522.0	510.1	500.5	487.4	482.6
92.5°	885.2	683.3	442.0	431.2	415.7	401.4	395.4	389.4	387.0	376.3	379.9
95°	553.1	462.3	332.1	320.1	311.8	308.2	309.4	310.6	308.2	296.3	299.8
97.5°	369.1	334.5	259.2	250.9	242.5	241.3	242.5	244.9	246.1	237.7	240.1
100°	272.4	256.8	212.6	206.7	199.5	197.1	198.3	200.7	201.9	194.7	195.9
102.5°	216.2	209.1	184.0	181.6	173.2	170.8	173.2	174.4	175.6	170.8	170.8
105°	189.9	189.9	169.6	168.4	162.5	160.1	161.3	162.5	163.7	158.9	158.9
107.5°	182.8	184.0	163.7	164.9	161.3	160.1	162.5	164.9	163.7	160.1	158.9
110°	188.7	191.1	163.7	167.2	168.4	170.8	175.6	176.8	176.8	174.4	175.6



REPORT NUMBER: P588484  
 CATALOG NUMBER: GAT-CA6-LED-60-750-U-33-5-X-X

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	194.7	198.3	161.3	169.6	178.0	184.0	192.3	197.1	194.7	193.5	194.7
115°	189.9	192.3	150.5	163.7	179.2	187.5	189.9	189.9	184.0	184.0	185.2
117.5°	184.0	188.7	139.8	150.5	161.3	168.4	167.2	163.7	156.5	154.1	161.3
120°	170.8	185.2	133.8	136.2	137.4	139.8	136.2	132.6	126.6	125.4	130.2
122.5°	157.7	170.8	123.0	120.7	119.5	119.5	118.3	117.1	113.5	114.7	119.5
125°	146.9	154.1	112.3	108.7	107.5	108.7	108.7	108.7	106.3	103.9	103.9
127.5°	138.6	141.0	106.3	101.5	100.3	100.3	100.3	101.5	100.3	96.8	96.8
130°	133.8	132.6	102.7	94.4	93.2	94.4	94.4	95.6	93.2	90.8	90.8
132.5°	124.2	121.8	98.0	89.6	88.4	89.6	89.6	89.6	87.2	84.8	84.8
135°	113.5	111.1	92.0	83.6	82.4	83.6	83.6	84.8	82.4	80.0	80.0
137.5°	105.1	102.7	86.0	78.8	77.6	77.6	78.8	78.8	77.6	75.3	75.3
140°	98.0	95.6	80.0	74.1	71.7	72.9	72.9	72.9	71.7	69.3	69.3
142.5°	92.0	90.8	74.1	68.1	65.7	66.9	66.9	68.1	65.7	63.3	63.3
145°	87.2	84.8	69.3	62.1	60.9	60.9	60.9	62.1	59.7	57.3	57.3
147.5°	82.4	80.0	63.3	56.1	55.0	55.0	55.0	55.0	53.8	51.4	50.2
150°	72.9	71.7	58.5	51.4	49.0	49.0	49.0	47.8	45.4	43.0	43.0
152.5°	62.1	60.9	51.4	45.4	43.0	43.0	41.8	41.8	39.4	38.2	37.0
155°	53.8	53.8	46.6	40.6	38.2	37.0	35.8	35.8	34.6	33.4	32.3
157.5°	47.8	46.6	41.8	37.0	32.3	32.3	31.1	31.1	29.9	28.7	27.5
160°	40.6	40.6	35.8	31.1	27.5	26.3	26.3	25.1	23.9	22.7	22.7
162.5°	32.3	32.3	28.7	25.1	21.5	21.5	20.3	20.3	19.1	17.9	16.7
165°	22.7	22.7	21.5	19.1	16.7	15.5	15.5	15.5	14.3	13.1	13.1
167.5°	15.5	15.5	14.3	13.1	11.9	10.8	11.9	11.9	10.8	9.6	9.6
170°	8.4	8.4	7.2	7.2	6.0	6.0	7.2	8.4	7.2	6.0	4.8
172.5°	3.6	3.6	3.6	3.6	2.4	3.6	4.8	6.0	4.8	3.6	3.6
175°	2.4	2.4	3.6	3.6	2.4	3.6	4.8	6.0	4.8	3.6	3.6
177.5°	2.4	2.4	3.6	3.6	2.4	3.6	4.8	6.0	4.8	3.6	3.6
180°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8

(END OF REPORT)