

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: P588392

Luminaire Tested: **GAT-CA6-LED-110-760-U-33-5-X-X**

Issue Date: 11/30/2021

Test Information

Test Method: LM-79-08
Report Number: P588392
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-110-760-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: 14932 lumens
Efficiency: N/A
Efficacy: 133.1 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

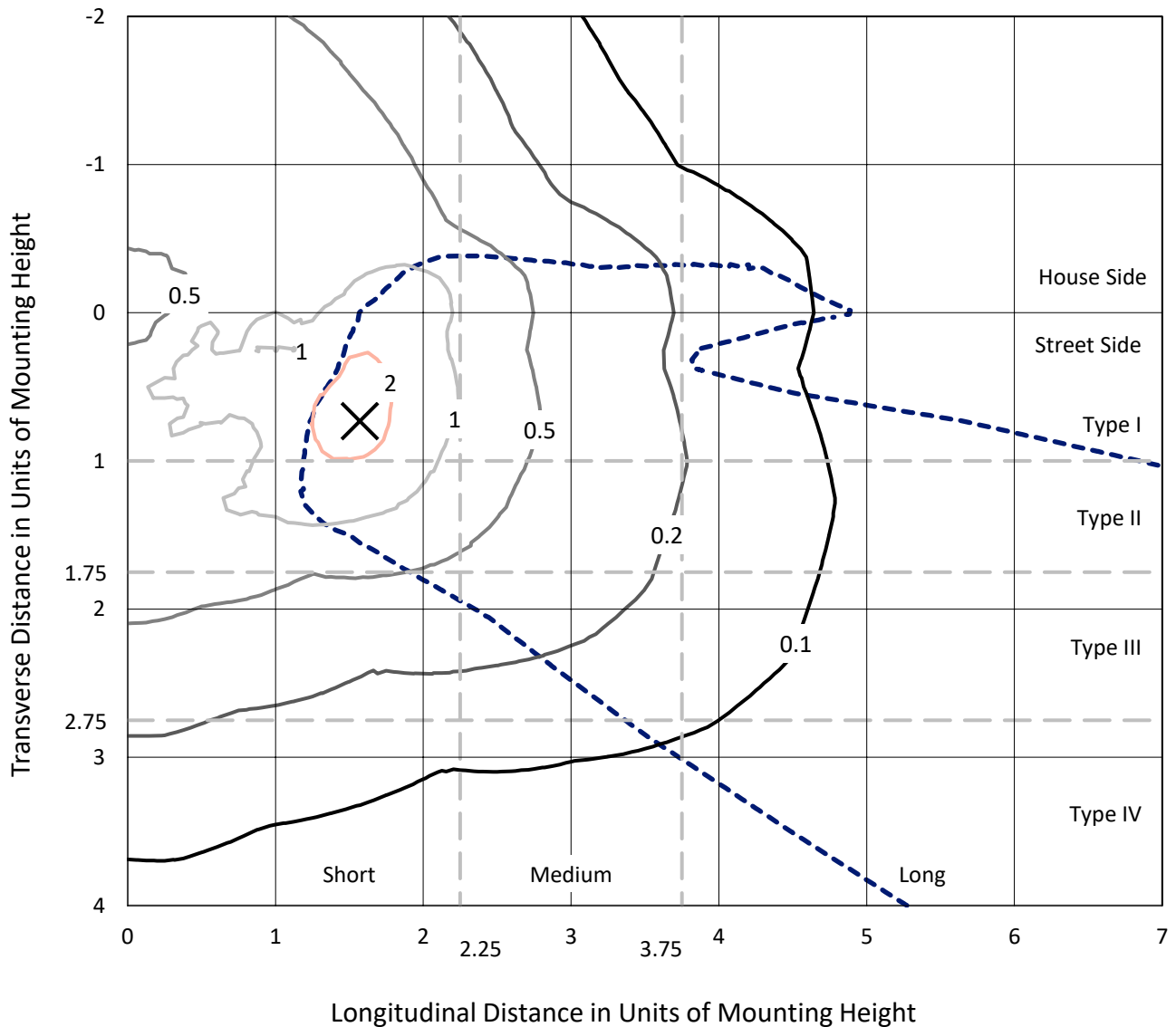
Input Watts (W): 112.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

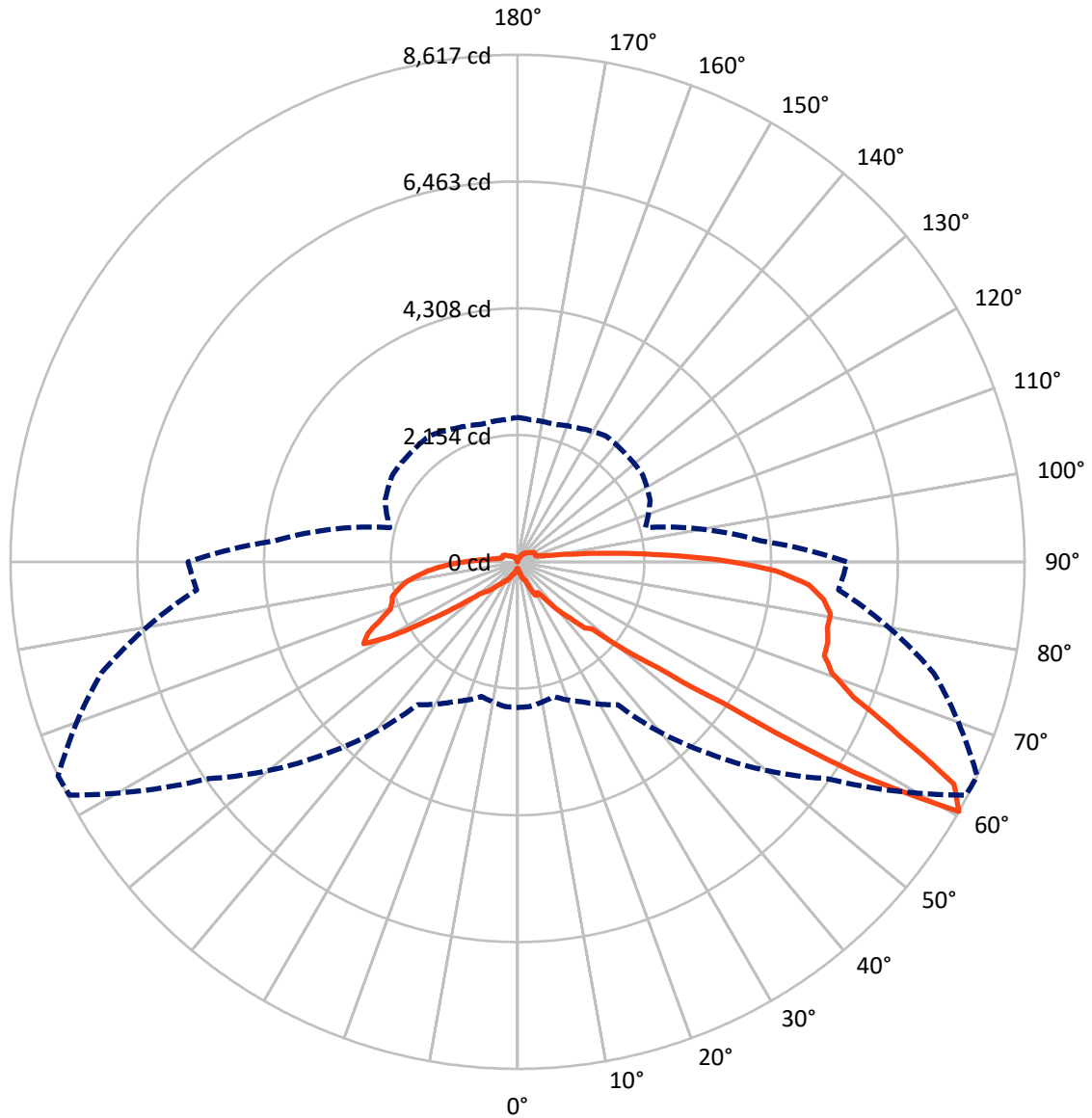
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 2.7 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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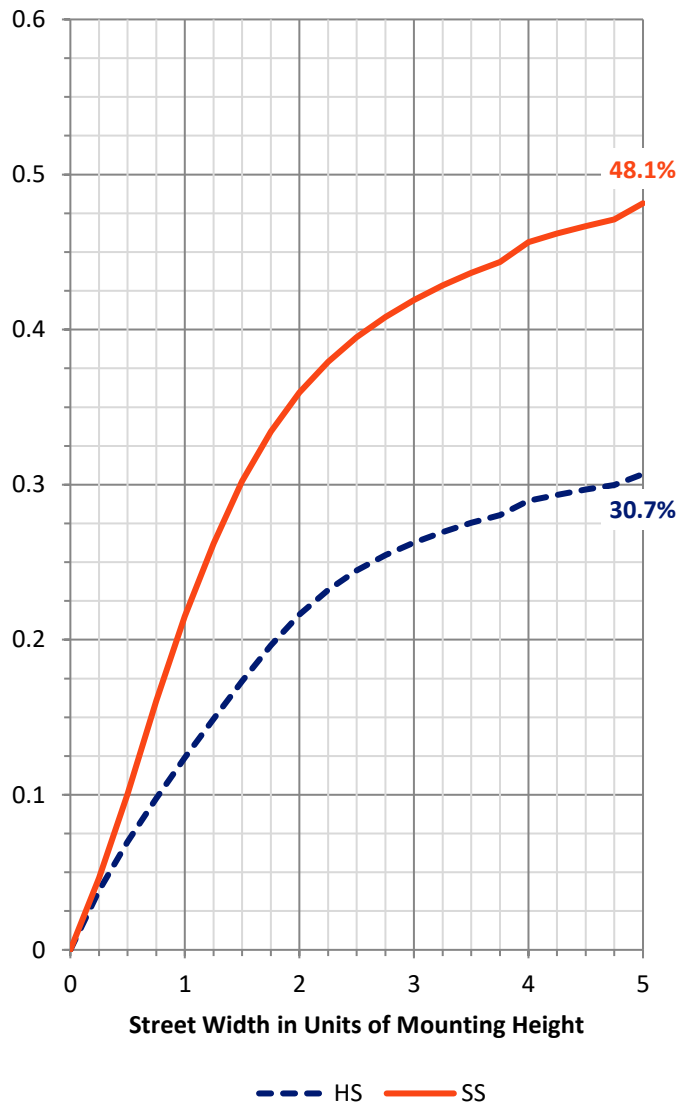
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4979.5	797.4	5776.9
	% Fixture	33.3	5.3	38.7
Street Side	Lumens	7966.5	1188.6	9155.1
	% Fixture	53.4	8.0	61.3
Total	Lumens	12946.0	1986.0	14932.0
	% Fixture	86.7	13.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.3	0.1
10°-20°	63.8	0.4
20°-30°	182.4	1.2
30°-40°	392.7	2.6
40°-50°	743.2	5.0
50°-60°	2076.1	13.9
60°-70°	3701.2	24.8
70°-80°	3240.4	21.7
80°-90°	2531.9	17.0
90°-100°	957.2	6.4
100°-110°	329.2	2.2
110°-120°	269.2	1.8
120°-130°	180.9	1.2
130°-140°	124.1	0.8
140°-150°	78.0	0.5
150°-160°	36.2	0.2
160°-170°	10.2	0.1
170°-180°	0.9	0.0
0°-90°	12946.0	86.7
0°-180°	14932.0	100.0

Coefficient of Utilization



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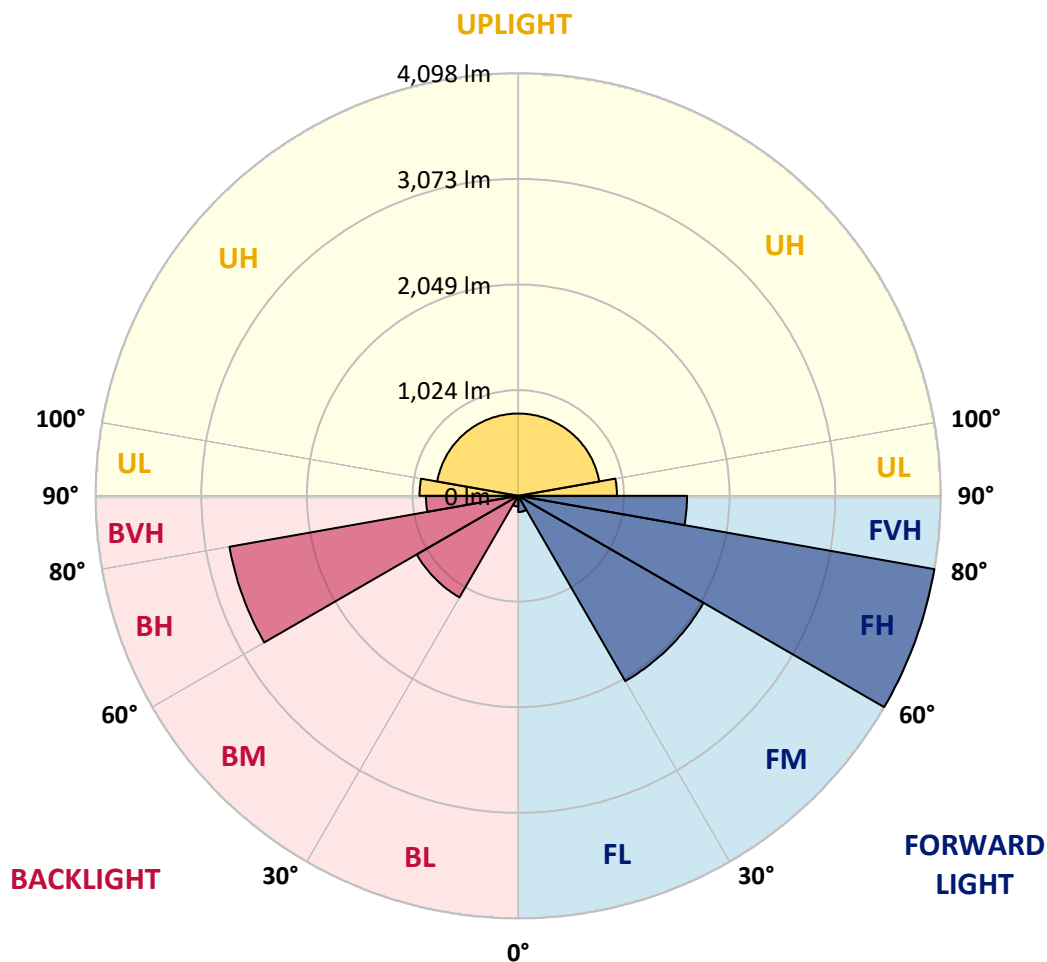
CATALOG NUMBER: GAT-CA6-LED-110-760-U-33-5-X-X

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	157.3	1.1			
FM (30°-60°)	2074.6	13.9			
FH (60°-80°)	4098.0	27.4			G2/5000
FVH (80°-90°)	1636.5	11.0			G5
BL (0°-30°)	103.1	0.7	B0/110		
BM (30°-60°)	1137.3	7.6	B2/2500		
BH (60°-80°)	2843.7	19.0	B4/5000		G4/5000
BVH (80°-90°)	895.3	6.0			G5
UL (90°-100°)	957.2	6.4		U4/1000	
UH (100°-180°)	797.4	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°	114.2	114.2	114.2	114.2	114.2	114.2	114.2	114.2	114.2	114.2	114.2
2.5°	131.6	127.8	123.9	123.9	122.0	120.0	120.0	116.2	118.1	116.2	116.2
5°	154.9	152.9	149.1	151.0	147.1	145.2	145.2	143.3	141.3	139.4	133.6
7.5°	180.0	180.0	182.0	183.9	178.1	172.3	170.4	166.5	166.5	164.6	160.7
10°	207.1	205.2	197.5	197.5	193.6	189.7	191.7	189.7	189.7	189.7	182.0
12.5°	214.9	213.0	207.1	207.1	207.1	205.2	213.0	211.0	213.0	211.0	199.4
15°	242.0	240.1	238.1	240.1	247.8	263.3	282.6	274.9	276.8	273.0	230.4
17.5°	253.6	259.4	263.3	265.2	273.0	273.0	276.8	274.9	282.6	288.5	263.3
20°	294.3	290.4	294.3	307.8	327.2	329.1	323.3	323.3	327.2	329.1	280.7
22.5°	311.7	309.7	325.2	313.6	313.6	323.3	358.1	346.5	346.5	342.7	302.0
25°	404.6	412.3	427.8	447.2	493.7	507.2	545.9	503.3	509.1	449.1	383.3
27.5°	485.9	491.7	582.7	664.0	700.8	681.4	714.4	635.0	642.7	650.5	559.5
30°	511.1	522.7	654.3	714.4	762.7	724.0	766.6	662.1	656.3	700.8	664.0
32.5°	491.7	503.3	642.7	667.9	718.2	861.5	807.3	638.9	621.4	642.7	687.2
35°	540.1	547.9	631.1	571.1	617.6	1204.1	1057.0	745.3	710.5	592.4	658.2
37.5°	648.5	648.5	747.3	789.9	824.7	1421.0	1388.0	927.3	900.2	693.1	760.8
40°	786.0	782.1	904.1	933.1	948.6	1287.4	1678.4	1182.8	1122.8	815.0	991.2
42.5°	869.2	861.5	960.2	991.2	991.2	1089.9	1899.1	1440.3	1300.9	950.5	1211.9
45°	902.1	909.9	1037.6	998.9	1028.0	1119.0	2135.3	1796.5	1601.0	1115.1	1405.5
47.5°	817.0	828.6	1012.5	1016.4	869.2	894.4	1914.6	1866.2	1705.5	1194.5	1467.4
50°	1002.8	1010.5	1076.4	1031.8	960.2	1132.5	2280.5	2398.6	2328.9	1479.0	1548.7
52.5°	1376.4	1411.3	1473.2	1511.9	1490.7	1903.0	3058.7	3037.4	2979.4	2220.5	2114.0
55°	1783.0	1812.0	1899.1	2133.4	2311.5	2849.7	3804.1	4249.3	4245.5	3606.6	3294.9
57.5°	2152.7	2154.7	2166.3	2454.7	2729.6	3720.8	4983.0	6618.9	6766.0	5761.3	4717.8
60°	2474.1	2468.3	2369.6	2627.0	2961.9	4613.3	6423.4	8587.7	8616.7	7325.5	5472.8
62.5°	2561.2	2543.8	2400.5	2640.6	2927.1	4630.7	6791.2	8353.5	8320.5	7435.8	5571.6
65°	2485.7	2468.3	2286.3	2501.2	2636.7	4208.7	6272.4	7184.2	7130.0	6793.1	5304.4
67.5°	2373.4	2385.0	2205.0	2369.6	2462.5	3947.3	5726.4	6181.4	6165.9	6330.4	5081.8
70°	2210.8	2220.5	2055.9	2259.2	2394.7	3780.8	5203.7	5697.4	5670.3	5912.3	4754.6
72.5°	2216.6	2245.7	2050.1	2203.1	2344.4	3552.4	4967.5	5530.9	5451.5	5488.3	4361.6
75°	2232.1	2270.8	2063.7	2201.1	2332.8	3469.2	4940.4	5544.4	5443.8	5335.4	4212.5
77.5°	2237.9	2294.1	2071.4	2222.4	2336.6	3354.9	4878.5	5476.7	5381.8	5188.2	4036.4
80°	2191.5	2251.5	2038.5	2224.4	2311.5	3128.4	4721.7	5465.1	5393.4	5168.9	3964.7
82.5°	2098.5	2158.5	1974.6	2127.6	2263.1	2898.1	4501.0	5238.6	5234.7	4983.0	3813.7
85°	1895.3	1961.1	1821.7	1963.0	2129.5	2592.2	4055.7	4853.3	4959.8	4756.5	3610.5
87.5°	1699.7	1765.6	1692.0	1771.4	1939.8	2253.4	3484.6	4189.3	4388.7	4220.3	3101.3
90°	1477.1	1544.9	1484.8	1453.9	1589.4	1798.5	2785.8	3258.1	3445.9	3343.3	2282.4
92.5°	1182.8	1240.9	1184.8	1113.1	1194.5	1320.3	2069.5	2280.5	2325.0	2226.3	1496.5
95°	894.4	937.0	886.6	815.0	824.7	904.1	1426.8	1494.5	1482.9	1364.8	950.5
97.5°	621.4	646.6	613.7	563.4	580.8	631.1	944.7	937.0	937.0	834.4	621.4
100°	431.7	441.4	425.9	402.7	416.2	449.1	635.0	633.0	613.7	563.4	453.0
102.5°	342.7	344.6	329.1	313.6	305.9	336.8	458.8	456.9	460.7	437.5	354.3
105°	302.0	300.1	286.5	273.0	257.5	288.5	364.0	379.4	377.5	358.1	303.9
107.5°	276.8	274.9	261.3	249.7	236.2	263.3	315.6	336.8	334.9	333.0	286.5
110°	257.5	255.5	243.9	232.3	220.7	251.7	296.2	329.1	329.1	329.1	290.4



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 CATALOG NUMBER: GAT-CA6-LED-110-760-U-33-5-X-X

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	62.5°	65°	75°	85°
112.5°	243.9	243.9	234.2	224.6	214.9	249.7	284.6	323.3	323.3	333.0	303.9
115°	236.2	234.2	226.5	220.7	213.0	251.7	280.7	319.4	321.4	334.9	302.0
117.5°	230.4	228.4	222.6	214.9	211.0	247.8	282.6	327.2	325.2	346.5	296.2
120°	220.7	216.8	209.1	201.3	197.5	228.4	274.9	317.5	313.6	323.3	273.0
122.5°	213.0	201.3	187.8	182.0	182.0	207.1	257.5	286.5	282.6	274.9	245.9
125°	195.5	183.9	172.3	170.4	172.3	193.6	245.9	263.3	265.2	259.4	232.3
127.5°	176.2	168.4	162.6	162.6	166.5	189.7	242.0	253.6	253.6	242.0	220.7
130°	166.5	164.6	160.7	160.7	168.4	191.7	236.2	240.1	240.1	224.6	214.9
132.5°	162.6	158.7	154.9	154.9	162.6	185.8	220.7	228.4	226.5	211.0	203.3
135°	154.9	152.9	149.1	149.1	158.7	182.0	207.1	214.9	213.0	193.6	187.8
137.5°	151.0	147.1	147.1	147.1	156.8	180.0	195.5	201.3	199.4	180.0	174.2
140°	145.2	143.3	139.4	139.4	152.9	174.2	183.9	185.8	183.9	168.4	162.6
142.5°	135.5	133.6	131.6	135.5	149.1	164.6	172.3	172.3	170.4	160.7	152.9
145°	129.7	127.8	125.8	135.5	147.1	154.9	162.6	156.8	156.8	151.0	143.3
147.5°	123.9	122.0	122.0	129.7	139.4	139.4	145.2	143.3	145.2	143.3	135.5
150°	112.3	110.3	110.3	116.2	118.1	118.1	123.9	123.9	123.9	123.9	118.1
152.5°	98.7	96.8	98.7	100.7	100.7	100.7	104.5	106.5	106.5	104.5	102.6
155°	85.2	85.2	85.2	87.1	87.1	85.2	91.0	91.0	91.0	91.0	89.1
157.5°	75.5	75.5	75.5	75.5	75.5	73.6	77.4	77.4	79.4	77.4	77.4
160°	65.8	63.9	63.9	63.9	63.9	61.9	63.9	63.9	63.9	65.8	65.8
162.5°	52.3	50.3	50.3	50.3	50.3	46.5	50.3	48.4	50.3	50.3	52.3
165°	42.6	40.7	40.7	40.7	38.7	36.8	38.7	36.8	36.8	36.8	38.7
167.5°	32.9	32.9	31.0	32.9	31.0	27.1	27.1	25.2	25.2	25.2	25.2
170°	25.2	23.2	21.3	23.2	21.3	17.4	17.4	15.5	15.5	13.6	13.6
172.5°	17.4	15.5	13.6	15.5	13.6	9.7	9.7	5.8	5.8	5.8	5.8
175°	15.5	13.6	11.6	13.6	11.6	7.7	5.8	3.9	3.9	3.9	3.9
177.5°	15.5	13.6	11.6	13.6	11.6	7.7	5.8	3.9	3.9	3.9	3.9
180°	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	114.2	114.2	114.2	114.2	114.2	114.2	114.2	114.2	114.2	114.2	114.2
2.5°	116.2	114.2	112.3	116.2	114.2	116.2	118.1	120.0	120.0	118.1	118.1
5°	133.6	131.6	127.8	125.8	122.0	122.0	122.0	125.8	125.8	123.9	125.8
7.5°	158.7	154.9	149.1	145.2	139.4	139.4	137.4	141.3	143.3	139.4	141.3
10°	178.1	176.2	168.4	162.6	156.8	154.9	154.9	156.8	156.8	154.9	154.9
12.5°	195.5	191.7	183.9	178.1	170.4	168.4	168.4	170.4	170.4	168.4	168.4
15°	220.7	209.1	201.3	195.5	187.8	185.8	183.9	185.8	187.8	183.9	183.9
17.5°	255.5	242.0	224.6	209.1	201.3	205.2	207.1	209.1	207.1	201.3	201.3
20°	274.9	267.2	243.9	232.3	222.6	222.6	222.6	222.6	222.6	220.7	222.6
22.5°	288.5	276.8	247.8	240.1	234.2	238.1	242.0	243.9	243.9	242.0	242.0
25°	350.4	307.8	278.8	273.0	265.2	267.2	263.3	263.3	265.2	263.3	267.2
27.5°	482.0	412.3	346.5	323.3	317.5	317.5	321.4	321.4	321.4	321.4	319.4
30°	578.8	497.5	389.1	358.1	354.3	371.7	381.4	389.1	385.2	379.4	379.4
32.5°	594.3	505.3	396.9	385.2	394.9	408.5	418.2	424.0	429.8	427.8	425.9
35°	561.4	466.6	391.1	406.5	414.3	422.0	424.0	420.1	437.5	445.3	447.2
37.5°	627.2	522.7	454.9	466.6	456.9	449.1	453.0	454.9	478.2	489.8	501.4
40°	801.5	631.1	516.9	511.1	505.3	522.7	545.9	557.5	555.6	547.9	549.8
42.5°	969.9	737.6	582.7	580.8	578.8	609.8	646.6	644.7	627.2	613.7	613.7
45°	1142.2	840.2	687.2	689.2	685.3	696.9	706.6	698.9	700.8	704.7	708.5
47.5°	1248.7	933.1	753.1	747.3	722.1	745.3	772.4	755.0	749.2	739.5	743.4
50°	1273.8	956.3	791.8	834.4	811.1	793.7	764.7	753.1	774.4	789.9	801.5
52.5°	1655.2	1180.9	989.3	1057.0	1026.0	964.1	958.3	938.9	962.1	964.1	977.6
55°	2774.2	1893.3	1362.9	1428.7	1430.6	1409.3	1506.1	1451.9	1403.5	1382.2	1374.5
57.5°	4373.2	2927.1	1763.6	1846.9	1926.2	2001.7	2133.4	2023.0	1883.6	1866.2	1885.6
60°	5600.6	4133.2	2249.5	2483.8	2590.2	2594.1	2611.5	2503.1	2418.0	2425.7	2452.8
62.5°	5863.9	5139.8	2865.1	2961.9	2971.6	2900.0	2931.0	3000.7	2880.6	2785.8	2810.9
65°	5687.7	5538.6	3066.5	2814.8	2799.3	2810.9	3022.0	3215.5	2973.6	2733.5	2733.5
67.5°	5347.0	5234.7	2861.3	2532.2	2574.8	2706.4	2973.6	3070.4	2812.9	2557.3	2557.3
70°	4983.0	4758.5	2630.9	2307.6	2412.1	2565.1	2739.3	2747.1	2596.1	2414.1	2402.5
72.5°	4590.0	4386.8	2532.2	2241.8	2290.2	2317.3	2412.1	2472.2	2454.7	2336.6	2334.7
75°	4473.9	4309.3	2530.2	2210.8	2181.8	2172.1	2237.9	2367.6	2427.6	2357.9	2361.8
77.5°	4297.7	4199.0	2412.1	2081.1	2050.1	2050.1	2085.0	2189.5	2280.5	2251.5	2261.1
80°	4175.8	4026.7	2232.1	1939.8	1897.2	1903.0	1906.9	1978.5	2063.7	2067.6	2067.6
82.5°	3941.5	3660.8	1959.1	1728.8	1699.7	1707.5	1693.9	1734.6	1757.8	1786.8	1781.0
85°	3556.3	3159.4	1655.2	1498.4	1451.9	1436.4	1424.8	1426.8	1440.3	1434.5	1411.3
87.5°	2979.4	2505.1	1320.3	1229.3	1175.1	1136.4	1120.9	1101.5	1099.6	1078.3	1086.0
90°	2199.2	1719.1	979.6	946.7	907.9	867.3	846.0	826.6	811.1	789.9	782.1
92.5°	1434.5	1107.3	716.3	698.9	673.7	650.5	640.8	631.1	627.2	609.8	615.6
95°	896.3	749.2	538.2	518.8	505.3	499.5	501.4	503.3	499.5	480.1	485.9
97.5°	598.2	542.1	420.1	406.5	393.0	391.1	393.0	396.9	398.8	385.2	389.1
100°	441.4	416.2	344.6	334.9	323.3	319.4	321.4	325.2	327.2	315.6	317.5
102.5°	350.4	338.8	298.1	294.3	280.7	276.8	280.7	282.6	284.6	276.8	276.8
105°	307.8	307.8	274.9	273.0	263.3	259.4	261.3	263.3	265.2	257.5	257.5
107.5°	296.2	298.1	265.2	267.2	261.3	259.4	263.3	267.2	265.2	259.4	257.5
110°	305.9	309.7	265.2	271.0	273.0	276.8	284.6	286.5	286.5	282.6	284.6



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	315.6	321.4	261.3	274.9	288.5	298.1	311.7	319.4	315.6	313.6	315.6
115°	307.8	311.7	243.9	265.2	290.4	303.9	307.8	307.8	298.1	298.1	300.1
117.5°	298.1	305.9	226.5	243.9	261.3	273.0	271.0	265.2	253.6	249.7	261.3
120°	276.8	300.1	216.8	220.7	222.6	226.5	220.7	214.9	205.2	203.3	211.0
122.5°	255.5	276.8	199.4	195.5	193.6	193.6	191.7	189.7	183.9	185.8	193.6
125°	238.1	249.7	182.0	176.2	174.2	176.2	176.2	176.2	172.3	168.4	168.4
127.5°	224.6	228.4	172.3	164.6	162.6	162.6	162.6	164.6	162.6	156.8	156.8
130°	216.8	214.9	166.5	152.9	151.0	152.9	152.9	154.9	151.0	147.1	147.1
132.5°	201.3	197.5	158.7	145.2	143.3	145.2	145.2	145.2	141.3	137.4	137.4
135°	183.9	180.0	149.1	135.5	133.6	135.5	135.5	137.4	133.6	129.7	129.7
137.5°	170.4	166.5	139.4	127.8	125.8	125.8	127.8	127.8	125.8	122.0	122.0
140°	158.7	154.9	129.7	120.0	116.2	118.1	118.1	118.1	116.2	112.3	112.3
142.5°	149.1	147.1	120.0	110.3	106.5	108.4	108.4	110.3	106.5	102.6	102.6
145°	141.3	137.4	112.3	100.7	98.7	98.7	98.7	100.7	96.8	92.9	92.9
147.5°	133.6	129.7	102.6	91.0	89.1	89.1	89.1	89.1	87.1	83.2	81.3
150°	118.1	116.2	94.9	83.2	79.4	79.4	79.4	77.4	73.6	69.7	69.7
152.5°	100.7	98.7	83.2	73.6	69.7	69.7	67.8	67.8	63.9	61.9	60.0
155°	87.1	87.1	75.5	65.8	61.9	60.0	58.1	58.1	56.1	54.2	52.3
157.5°	77.4	75.5	67.8	60.0	52.3	52.3	50.3	50.3	48.4	46.5	44.5
160°	65.8	65.8	58.1	50.3	44.5	42.6	42.6	40.7	38.7	36.8	36.8
162.5°	52.3	52.3	46.5	40.7	34.8	34.8	32.9	32.9	31.0	29.0	27.1
165°	36.8	36.8	34.8	31.0	27.1	25.2	25.2	25.2	23.2	21.3	21.3
167.5°	25.2	25.2	23.2	21.3	19.4	17.4	19.4	19.4	17.4	15.5	15.5
170°	13.6	13.6	11.6	11.6	9.7	9.7	11.6	13.6	11.6	9.7	7.7
172.5°	5.8	5.8	5.8	5.8	3.9	5.8	7.7	9.7	7.7	5.8	5.8
175°	3.9	3.9	5.8	5.8	3.9	5.8	7.7	9.7	7.7	5.8	5.8
177.5°	3.9	3.9	5.8	5.8	3.9	5.8	7.7	9.7	7.7	5.8	5.8
180°	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7

(END OF REPORT)