

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: P588475

Luminaire Tested: **GAT-CA6-LED-60-730-U-33-5-6-X**

Issue Date: 11/30/2021

Test Information

Test Method: LM-79-08
Report Number: P588475
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-60-730-U-33-5-6-X
Description: GENERATIONS SERIES AVENUE WITH AVENUE CAGE AND TYPE III REFRACTOR
Light Source: (6) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5996 lumens
Efficiency: N/A
Efficacy: 93.3 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

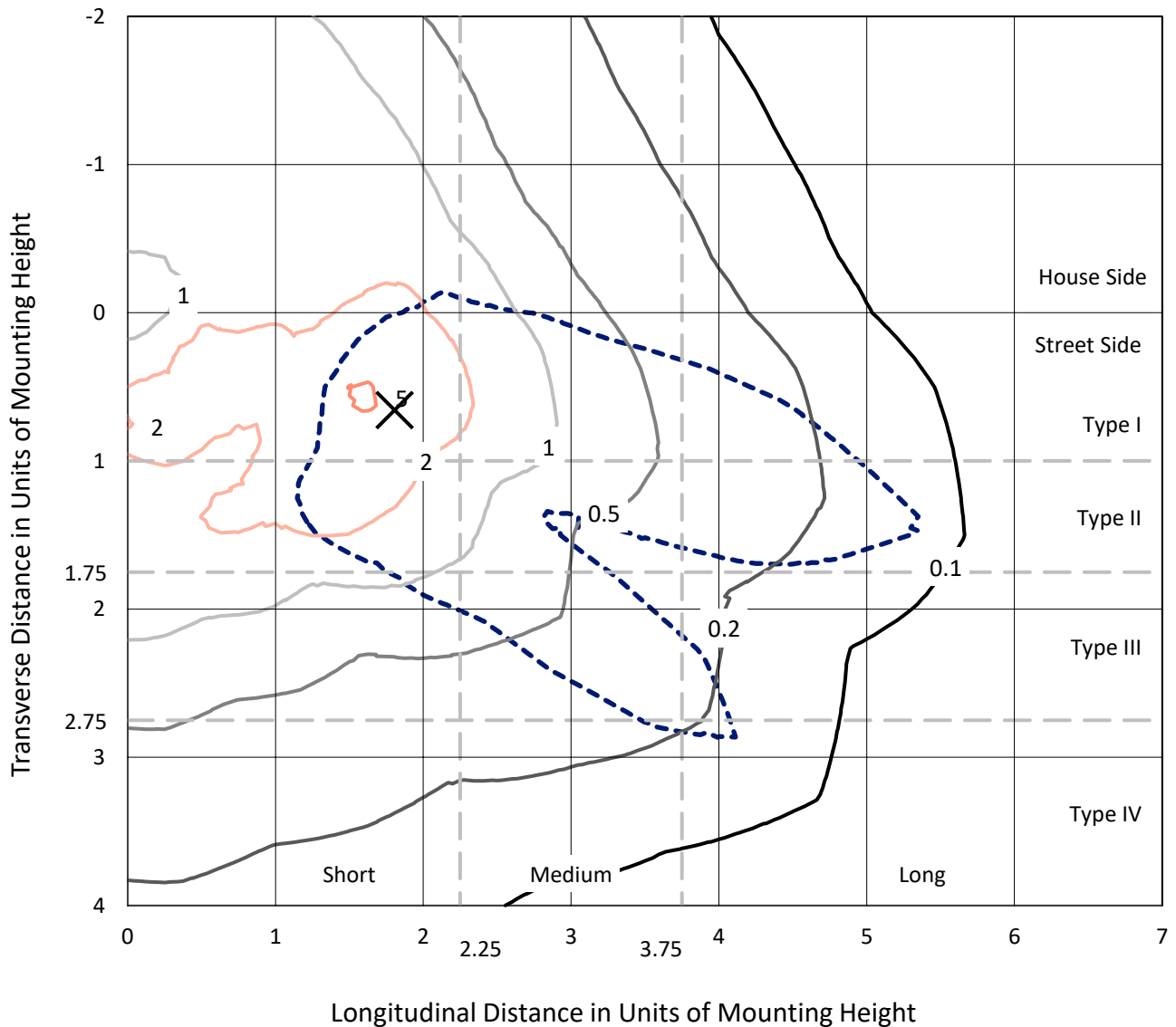
Input Watts (W): 64.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

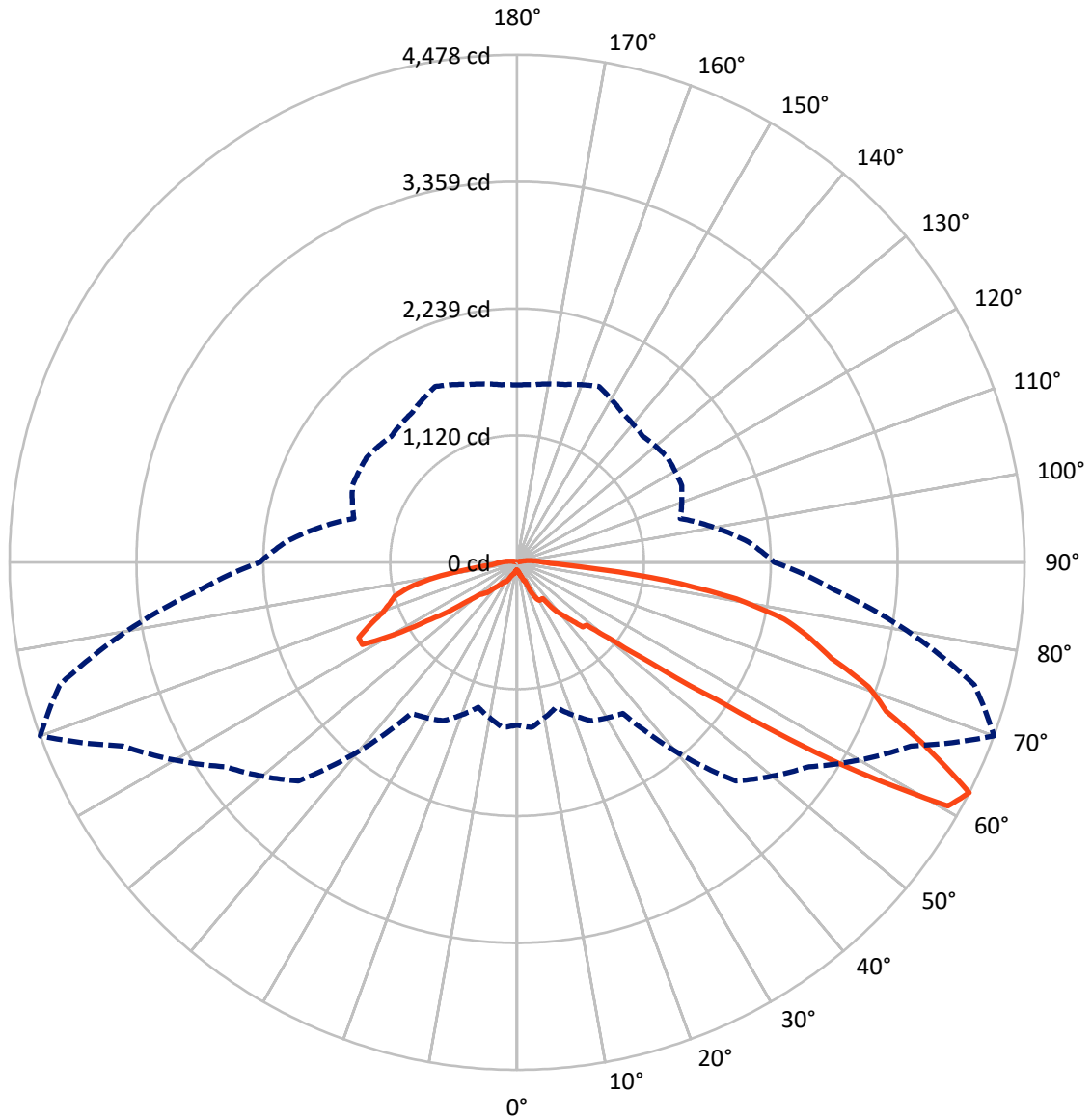
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.2 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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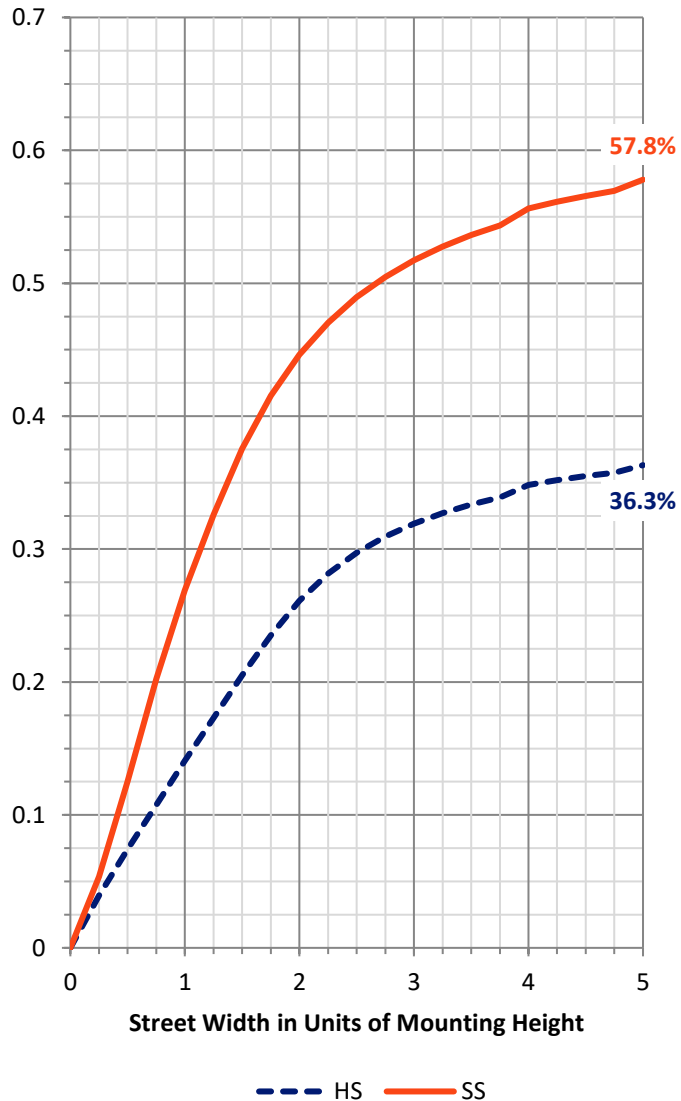
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2222.3	81.5	2303.7
	% Fixture	37.1	1.4	38.4
Street Side	Lumens	3580.3	111.9	3692.3
	% Fixture	59.7	1.9	61.6
Total	Lumens	5802.6	193.4	5996.0
	% Fixture	96.8	3.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.6	0.1
10°-20°	32.6	0.5
20°-30°	101.1	1.7
30°-40°	216.9	3.6
40°-50°	406.4	6.8
50°-60°	1054.6	17.6
60°-70°	1931.9	32.2
70°-80°	1549.6	25.8
80°-90°	501.8	8.4
90°-100°	132.2	2.2
100°-110°	43.0	0.7
110°-120°	16.9	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°	5802.6	96.8
0°-180°	5996.0	100.0

Coefficient of Utilization



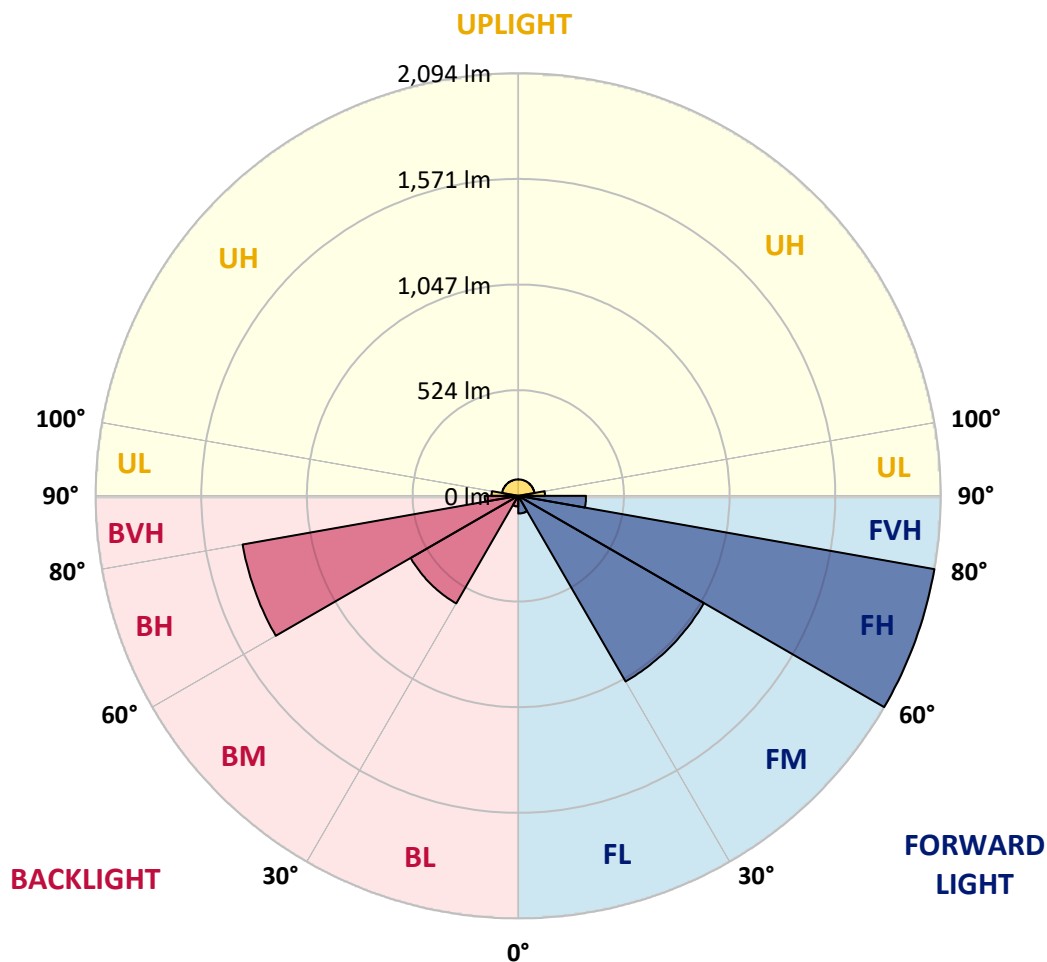
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	88.0	1.5			
FM (30°-60°)	1062.4	17.7			
FH (60°-80°)	2094.3	34.9			G2/5000
FVH (80°-90°)	335.7	5.6			G3/500
BL (0°-30°)	53.4	0.9	B0/110		
BM (30°-60°)	615.6	10.3	B1/1000		
BH (60°-80°)	1387.2	23.1	B3/2500		G3/2500
BVH (80°-90°)	166.1	2.8			G2/225
UL (90°-100°)	132.2	2.2		U3/500	
UH (100°-180°)	81.5	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°	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
2.5°	76.8	76.8	76.8	75.7	74.5	73.4	72.2	72.2	71.1	69.9	68.8
5°	83.7	82.5	81.4	79.1	77.9	77.9	76.8	76.8	76.8	75.7	74.5
7.5°	92.8	92.8	91.7	90.6	89.4	88.3	87.1	86.0	86.0	84.8	83.7
10°	105.5	105.5	105.5	104.3	104.3	103.2	100.9	99.7	97.4	96.3	92.8
12.5°	118.1	119.2	116.9	116.9	116.9	115.8	113.5	112.3	110.0	107.7	103.2
15°	130.7	129.5	128.4	127.2	129.5	129.5	128.4	128.4	123.8	120.4	112.3
17.5°	142.1	142.1	143.3	143.3	146.7	145.6	145.6	144.4	142.1	136.4	126.1
20°	160.5	161.6	161.6	161.6	173.1	177.7	178.8	180.0	176.5	165.1	144.4
22.5°	178.8	180.0	188.0	185.7	185.7	185.7	197.2	191.4	176.5	162.8	151.3
25°	241.9	245.3	247.6	255.6	264.8	290.0	330.1	317.5	294.6	247.6	208.6
27.5°	302.6	307.2	348.5	405.8	413.8	384.0	412.6	374.8	363.4	315.2	283.1
30°	330.1	338.1	409.2	448.2	461.9	423.0	464.2	392.0	388.6	354.2	326.7
32.5°	337.0	342.7	420.7	425.3	428.7	424.1	486.0	397.7	389.7	355.3	315.2
35°	326.7	333.6	386.3	359.9	361.1	442.5	558.2	428.7	392.0	332.4	287.7
37.5°	402.3	402.3	447.0	453.9	483.7	582.3	731.3	566.2	525.0	433.3	378.3
40°	458.5	464.2	535.3	561.7	566.2	649.9	915.8	663.7	605.2	484.9	442.5
42.5°	534.1	533.0	598.3	616.7	629.3	660.2	936.5	763.4	694.6	549.1	517.0
45°	546.8	565.1	624.7	604.1	620.1	699.2	977.7	904.4	812.7	670.6	604.1
47.5°	496.3	521.5	641.9	624.7	560.5	597.2	784.0	928.5	827.6	688.9	641.9
50°	535.3	549.1	608.7	597.2	511.2	635.0	860.8	1163.4	1051.1	819.6	699.2
52.5°	692.3	722.1	732.5	777.2	735.9	950.2	1204.7	1474.1	1459.2	1186.4	922.7
55°	889.5	933.0	978.9	1148.5	1172.6	1492.4	1681.5	1969.2	2148.1	1876.4	1415.6
57.5°	1102.7	1164.6	1149.7	1396.1	1434.0	2022.0	2196.2	2870.2	3348.2	2979.1	2073.6
60°	1309.0	1350.3	1266.6	1483.2	1555.5	2545.8	2801.4	3737.9	4367.2	3974.0	2553.8
62.5°	1436.2	1462.6	1325.1	1542.8	1627.7	2728.1	3144.1	3835.3	4478.4	4179.2	2814.0
65°	1435.1	1428.2	1271.2	1460.3	1448.9	2518.3	3038.7	3223.2	4000.4	3950.0	2847.3
67.5°	1378.9	1381.2	1216.2	1366.3	1319.3	2220.3	2815.2	2726.9	3516.7	3584.3	2769.3
70°	1325.1	1352.6	1195.5	1326.2	1304.4	2135.5	2717.7	2454.1	3289.7	3418.1	2686.8
72.5°	1249.4	1275.8	1127.9	1242.5	1250.6	1965.8	2551.5	2142.3	2901.1	3055.9	2408.3
75°	1248.3	1281.5	1142.8	1243.7	1256.3	1869.5	2572.2	2034.6	2668.5	2875.9	2247.8
77.5°	1177.2	1207.0	1078.6	1172.6	1208.1	1691.9	2454.1	1900.5	2410.6	2643.2	2038.0
80°	945.7	985.8	880.3	942.2	961.7	1268.9	1968.1	1556.6	1961.2	2193.9	1665.5
82.5°	646.5	683.2	613.2	659.1	684.3	832.2	1360.6	1121.0	1333.1	1475.2	1043.1
85°	373.7	417.2	376.0	370.2	382.8	439.0	732.5	596.0	620.1	652.2	463.1
87.5°	235.0	241.9	221.2	222.4	224.7	240.7	333.6	265.9	293.4	332.4	280.8
90°	186.8	193.7	178.8	180.0	176.5	191.4	249.9	202.9	225.8	260.2	222.4
92.5°	161.6	166.2	155.9	158.2	155.9	167.4	208.6	167.4	185.7	213.2	182.3
95°	137.5	141.0	135.3	136.4	129.5	136.4	162.8	127.2	141.0	160.5	136.4
97.5°	110.0	113.5	110.0	110.0	103.2	106.6	124.9	98.6	107.7	120.4	103.2
100°	87.1	88.3	87.1	86.0	80.2	80.2	87.1	71.1	74.5	82.5	71.1
102.5°	66.5	67.6	66.5	65.3	58.5	55.0	55.0	45.8	48.1	50.4	44.7
105°	52.7	53.9	52.7	50.4	44.7	41.3	40.1	33.2	33.2	34.4	30.9
107.5°	43.6	43.6	43.6	41.3	37.8	33.2	29.8	24.1	24.1	25.2	24.1
110°	35.5	35.5	34.4	33.2	29.8	26.4	22.9	19.5	19.5	19.5	18.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	29.8	29.8	28.7	27.5	24.1	20.6	18.3	16.0	16.0	16.0	14.9
115°	25.2	25.2	24.1	22.9	20.6	17.2	14.9	12.6	12.6	12.6	12.6
117.5°	21.8	21.8	20.6	19.5	17.2	14.9	12.6	10.3	10.3	10.3	10.3
120°	19.5	18.3	17.2	16.0	13.8	12.6	10.3	9.2	9.2	9.2	8.0
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°	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
2.5°	68.8	68.8	67.6	67.6	67.6	66.5	66.5	67.6	67.6	67.6	67.6
5°	73.4	72.2	69.9	67.6	66.5	65.3	64.2	64.2	66.5	66.5	66.5
7.5°	82.5	81.4	77.9	75.7	73.4	71.1	69.9	68.8	69.9	71.1	71.1
10°	91.7	90.6	86.0	82.5	81.4	79.1	77.9	76.8	77.9	77.9	77.9
12.5°	100.9	98.6	95.1	90.6	88.3	87.1	86.0	84.8	84.8	84.8	84.8
15°	108.9	105.5	102.0	98.6	96.3	94.0	92.8	91.7	92.8	94.0	94.0
17.5°	121.5	118.1	110.0	104.3	103.2	100.9	99.7	99.7	100.9	102.0	102.0
20°	135.3	128.4	119.2	113.5	112.3	108.9	107.7	107.7	108.9	110.0	110.0
22.5°	146.7	142.1	128.4	120.4	119.2	118.1	119.2	119.2	120.4	121.5	121.5
25°	186.8	168.5	149.0	143.3	142.1	139.8	137.5	136.4	137.5	141.0	142.1
27.5°	252.2	218.9	182.3	169.6	169.6	171.9	176.5	178.8	174.2	171.9	173.1
30°	295.7	251.0	198.3	186.8	189.1	200.6	210.9	217.8	213.2	209.8	210.9
32.5°	284.3	243.0	205.2	202.9	209.8	218.9	224.7	228.1	237.3	240.7	245.3
35°	259.1	228.1	207.5	216.6	221.2	221.2	221.2	221.2	238.4	254.5	259.1
37.5°	316.4	263.6	246.4	249.9	246.4	243.0	246.4	255.6	270.5	283.1	286.6
40°	371.4	304.9	276.2	274.0	272.8	284.3	304.9	320.9	325.5	314.1	316.4
42.5°	432.1	345.0	308.3	311.8	320.9	339.3	362.2	362.2	362.2	351.9	355.3
45°	489.4	392.0	370.2	379.4	379.4	388.6	401.2	393.2	403.5	408.1	413.8
47.5°	557.1	455.1	406.9	398.9	400.0	418.4	423.0	419.5	426.4	418.4	418.4
50°	577.7	465.4	427.5	458.5	458.5	437.9	420.7	423.0	442.5	464.2	468.8
52.5°	734.7	576.6	542.2	574.3	588.0	552.5	552.5	557.1	561.7	577.7	582.3
55°	1099.2	821.9	718.7	793.2	803.5	825.3	884.9	875.7	823.0	796.6	794.3
57.5°	1643.7	1219.6	895.2	1000.7	1067.2	1156.6	1201.3	1174.9	1103.8	1079.8	1053.4
60°	2101.1	1670.1	1160.0	1343.4	1443.1	1458.0	1442.0	1444.3	1390.4	1407.6	1400.7
62.5°	2270.7	2049.5	1491.3	1602.4	1617.4	1571.5	1613.9	1711.3	1624.2	1572.6	1564.6
65°	2321.1	2190.5	1584.1	1511.9	1498.1	1490.1	1657.5	1820.2	1625.4	1505.0	1503.9
67.5°	2270.7	2046.0	1466.0	1346.8	1378.9	1444.3	1662.1	1722.8	1539.4	1406.4	1397.3
70°	2205.4	1813.4	1319.3	1216.2	1290.7	1385.8	1524.5	1500.4	1428.2	1310.2	1304.4
72.5°	1968.1	1571.5	1225.3	1139.4	1224.2	1251.7	1320.5	1310.2	1330.8	1256.3	1252.8
75°	1761.8	1443.1	1169.2	1068.3	1109.6	1105.0	1160.0	1172.6	1231.1	1199.0	1186.4
77.5°	1519.9	1255.1	1030.5	913.6	929.6	928.5	954.8	962.8	1004.1	1006.4	992.6
80°	1189.8	983.5	804.7	687.7	690.0	669.4	672.8	671.7	679.7	688.9	676.3
82.5°	683.2	549.1	456.2	381.7	365.7	338.1	332.4	334.7	331.3	329.0	329.0
85°	334.7	260.2	239.6	214.3	205.2	198.3	201.7	208.6	212.1	205.2	201.7
87.5°	225.8	194.9	185.7	175.4	170.8	163.9	168.5	174.2	178.8	173.1	171.9
90°	178.8	154.7	152.5	150.2	146.7	141.0	145.6	152.5	155.9	151.3	149.0
92.5°	144.4	124.9	124.9	123.8	120.4	115.8	121.5	127.2	130.7	127.2	126.1
95°	111.2	96.3	99.7	97.4	94.0	92.8	96.3	100.9	103.2	100.9	100.9
97.5°	86.0	75.7	79.1	77.9	73.4	72.2	74.5	77.9	80.2	77.9	76.8
100°	58.5	53.9	58.5	58.5	53.9	51.6	53.9	57.3	58.5	58.5	57.3
102.5°	39.0	36.7	42.4	43.6	41.3	39.0	40.1	42.4	43.6	43.6	43.6
105°	27.5	27.5	33.2	34.4	32.1	29.8	32.1	33.2	33.2	33.2	33.2
107.5°	21.8	22.9	26.4	28.7	26.4	24.1	25.2	26.4	26.4	26.4	27.5
110°	18.3	18.3	21.8	24.1	21.8	20.6	20.6	20.6	20.6	21.8	24.1



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 CATALOG NUMBER: GAT-CA6-LED-60-730-U-33-5-6-X

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	14.9	16.0	18.3	19.5	18.3	17.2	17.2	17.2	17.2	18.3	21.8
115°	12.6	13.8	16.0	16.0	14.9	14.9	14.9	13.8	13.8	14.9	20.6
117.5°	10.3	11.5	12.6	12.6	12.6	11.5	11.5	11.5	11.5	13.8	21.8
120°	9.2	9.2	10.3	10.3	9.2	9.2	9.2	9.2	8.0	11.5	17.2
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

(END OF REPORT)