

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: P588483

Luminaire Tested: **GAT-CA6-LED-60-750-U-33-5-6-X**

Issue Date: 11/30/2021

Test Information

Test Method: LM-79-08
Report Number: P588483
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-60-750-U-33-5-6-X
Description: GENERATIONS SERIES AVENUE WITH AVENUE CAGE AND TYPE III REFRACTOR
Light Source: (6) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6249 lumens
Efficiency: N/A
Efficacy: 97.2 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

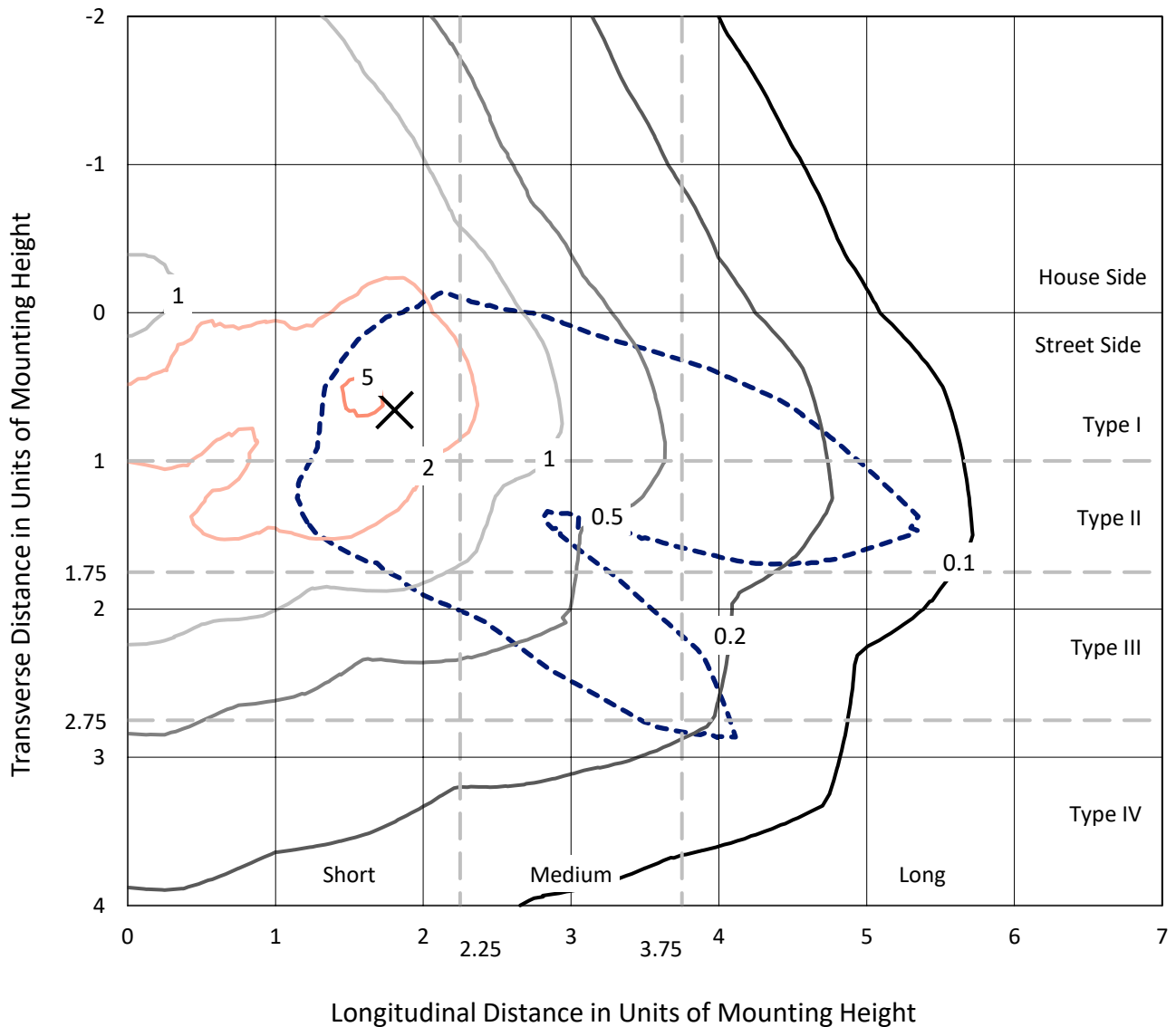
Input Watts (W): 64.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

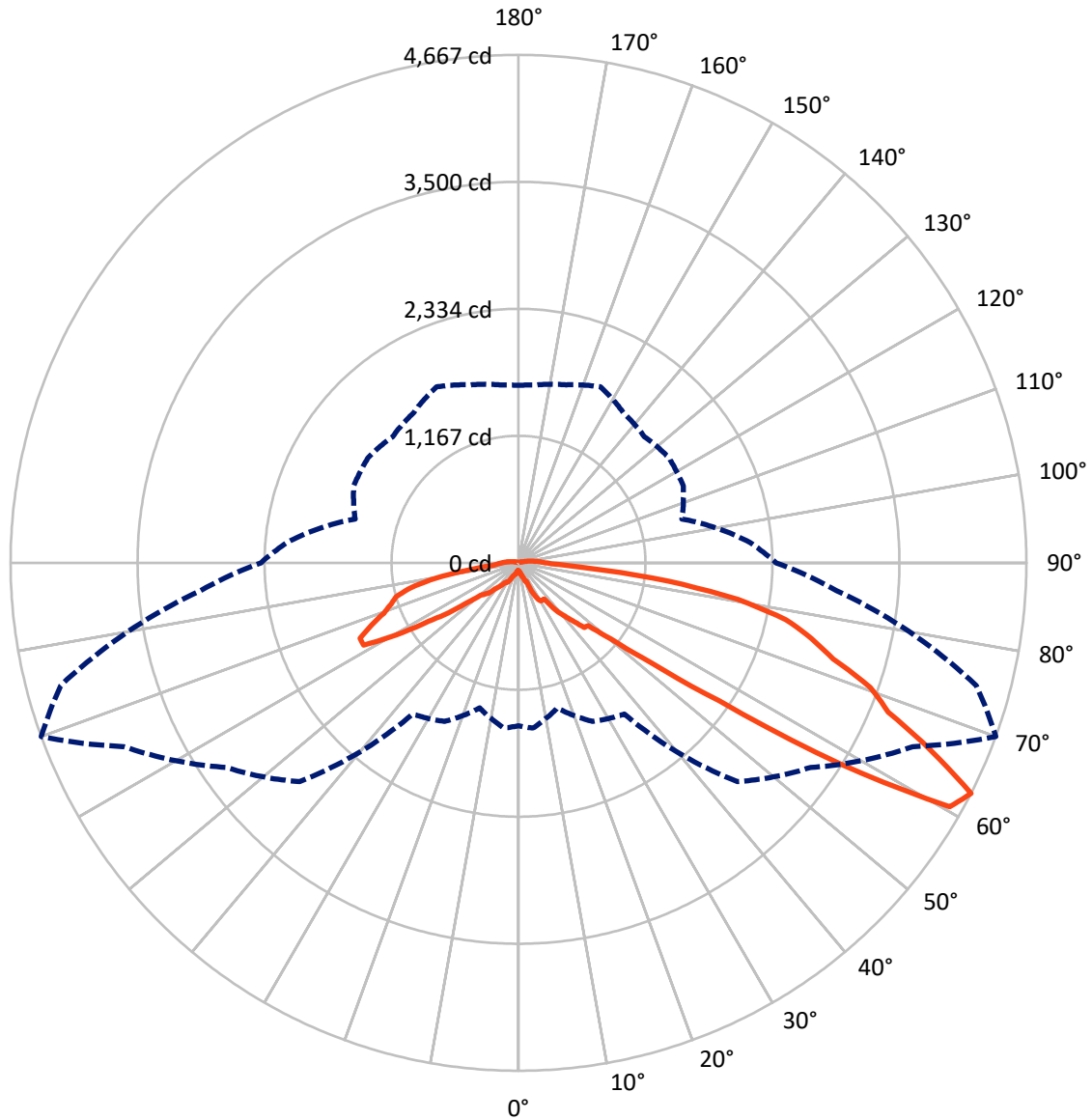
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.5 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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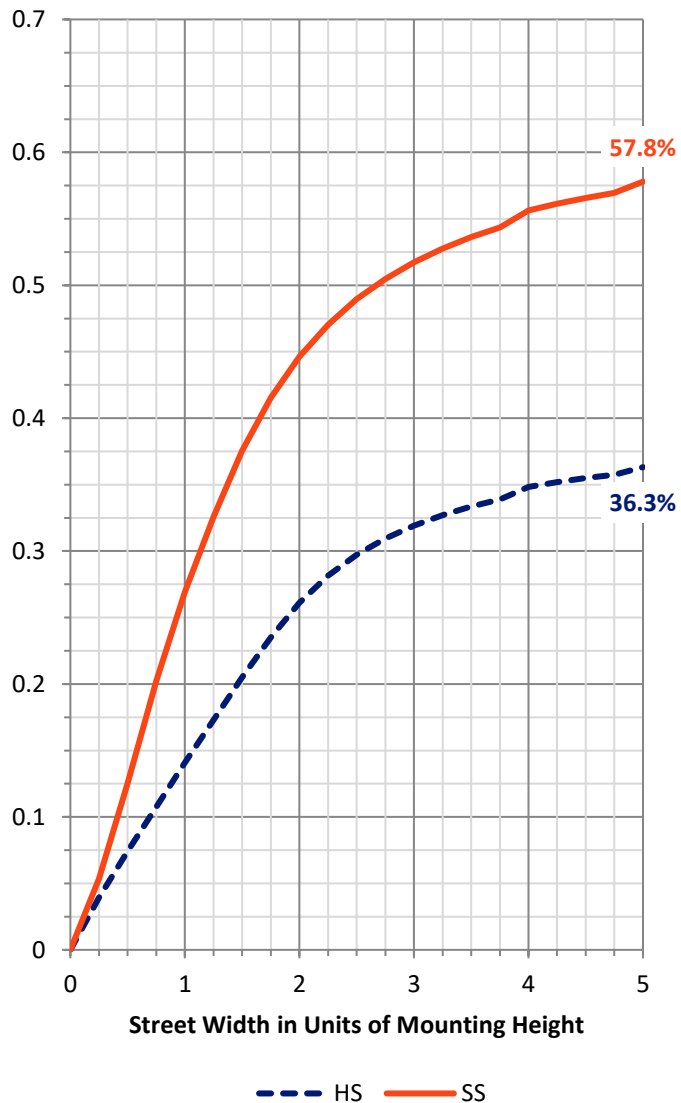
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2316.0	84.9	2400.9
	% Fixture	37.1	1.4	38.4
Street Side	Lumens	3731.4	116.7	3848.1
	% Fixture	59.7	1.9	61.6
Total	Lumens	6047.4	201.6	6249.0
	% Fixture	96.8	3.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.9	0.1
10°-20°	34.0	0.5
20°-30°	105.4	1.7
30°-40°	226.1	3.6
40°-50°	423.6	6.8
50°-60°	1099.1	17.6
60°-70°	2013.4	32.2
70°-80°	1615.0	25.8
80°-90°	522.9	8.4
90°-100°	137.8	2.2
100°-110°	44.8	0.7
110°-120°	17.6	0.3
120°-130°	1.4	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°	6047.4	96.8
0°-180°	6249.0	100.0

Coefficient of Utilization



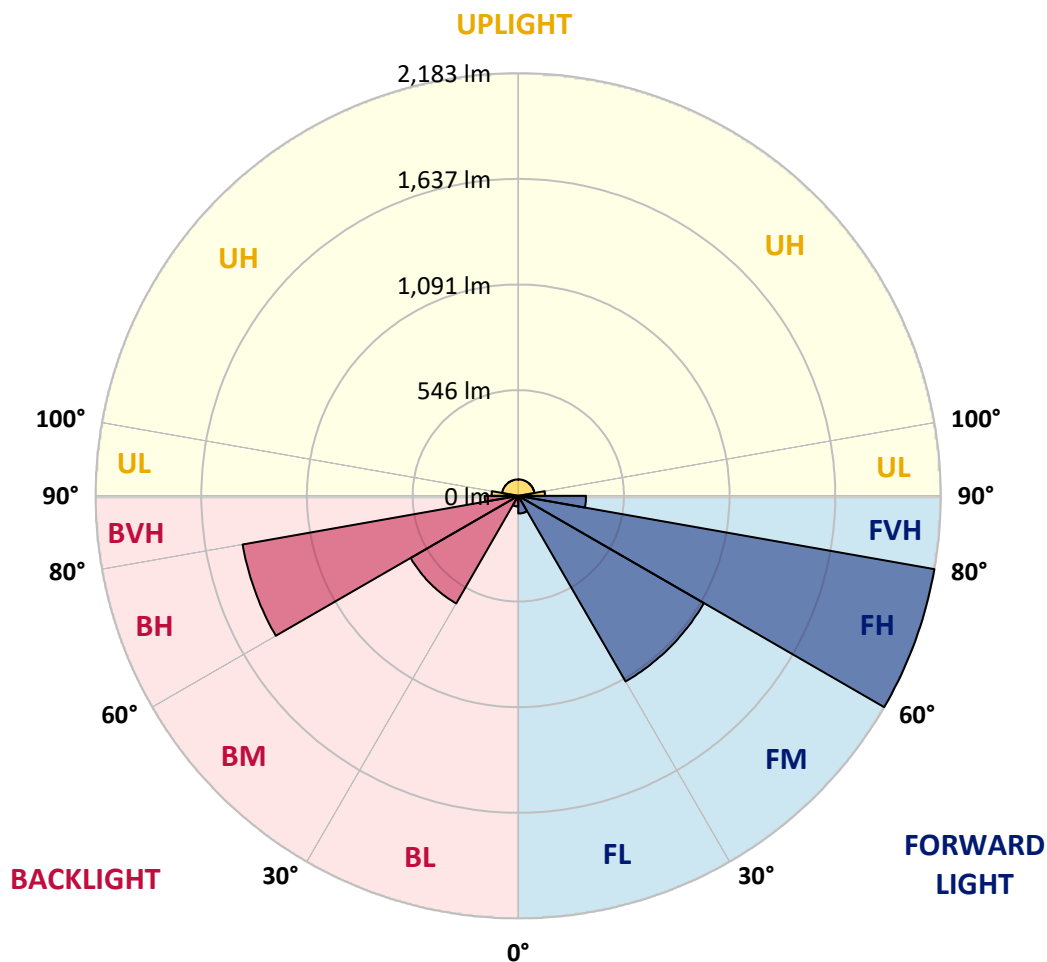
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	91.7	1.5			
FM (30°-60°)	1107.2	17.7			
FH (60°-80°)	2182.6	34.9			G2/5000
FVH (80°-90°)	349.9	5.6			G3/500
BL (0°-30°)	55.6	0.9	B0/110		
BM (30°-60°)	641.5	10.3	B1/1000		
BH (60°-80°)	1445.8	23.1	B3/2500		G3/2500
BVH (80°-90°)	173.1	2.8			G2/225
UL (90°-100°)	137.8	2.2		U3/500	
UH (100°-180°)	84.9	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°	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
2.5°	80.0	80.0	80.0	78.8	77.6	76.5	75.3	75.3	74.1	72.9	71.7
5°	87.2	86.0	84.8	82.4	81.2	81.2	80.0	80.0	80.0	78.8	77.6
7.5°	96.8	96.8	95.6	94.4	93.2	92.0	90.8	89.6	89.6	88.4	87.2
10°	109.9	109.9	109.9	108.7	108.7	107.5	105.1	103.9	101.5	100.3	96.8
12.5°	123.0	124.2	121.9	121.9	121.9	120.7	118.3	117.1	114.7	112.3	107.5
15°	136.2	135.0	133.8	132.6	135.0	135.0	133.8	133.8	129.0	125.4	117.1
17.5°	148.1	148.1	149.3	149.3	152.9	151.7	151.7	150.5	148.1	142.2	131.4
20°	167.2	168.4	168.4	168.4	180.4	185.2	186.4	187.6	184.0	172.0	150.5
22.5°	186.4	187.6	195.9	193.5	193.5	193.5	205.5	199.5	184.0	169.6	157.7
25°	252.1	255.6	258.0	266.4	276.0	302.2	344.0	330.9	307.0	258.0	217.4
27.5°	315.4	320.2	363.2	422.9	431.3	400.2	430.1	390.6	378.7	328.5	295.1
30°	344.0	352.4	426.5	467.1	481.4	440.8	483.8	408.6	405.0	369.1	340.5
32.5°	351.2	357.2	438.4	443.2	446.8	442.0	506.5	414.5	406.2	370.3	328.5
35°	340.5	347.6	402.6	375.1	376.3	461.1	581.8	446.8	408.6	346.4	299.8
37.5°	419.3	419.3	465.9	473.1	504.1	606.9	762.2	590.1	547.1	451.6	394.2
40°	477.8	483.8	557.9	585.4	590.1	677.3	954.5	691.7	630.8	505.3	461.1
42.5°	556.7	555.5	623.6	642.7	655.8	688.1	976.0	795.6	723.9	572.2	538.8
45°	569.8	588.9	651.1	629.6	646.3	728.7	1019.0	942.5	847.0	698.8	629.6
47.5°	517.3	543.5	669.0	651.1	584.2	622.4	817.1	967.6	862.5	718.0	669.0
50°	557.9	572.2	634.3	622.4	532.8	661.8	897.2	1212.5	1095.5	854.1	728.7
52.5°	721.5	752.6	763.4	809.9	766.9	990.3	1255.5	1536.3	1520.7	1236.4	961.7
55°	927.0	972.4	1020.2	1197.0	1222.1	1555.4	1752.5	2052.3	2238.7	1955.6	1475.3
57.5°	1149.2	1213.7	1198.2	1455.0	1494.5	2107.3	2288.9	2991.3	3489.5	3104.8	2161.0
60°	1364.2	1407.3	1320.0	1545.8	1621.1	2653.2	2919.6	3895.6	4551.5	4141.7	2661.6
62.5°	1496.8	1524.3	1381.0	1607.9	1696.3	2843.2	3276.8	3997.2	4667.3	4355.5	2932.8
65°	1495.7	1488.5	1324.8	1521.9	1510.0	2624.6	3166.9	3359.2	4169.2	4116.6	2967.4
67.5°	1437.1	1439.5	1267.5	1424.0	1375.0	2314.0	2934.0	2842.0	3665.1	3735.5	2886.2
70°	1381.0	1409.6	1246.0	1382.2	1359.5	2225.6	2832.4	2557.7	3428.5	3562.3	2800.2
72.5°	1302.1	1329.6	1175.5	1295.0	1303.3	2048.8	2659.2	2232.7	3023.6	3184.8	2509.9
75°	1300.9	1335.6	1191.0	1296.2	1309.3	1948.4	2680.7	2120.4	2781.1	2997.3	2342.6
77.5°	1226.9	1257.9	1124.1	1222.1	1259.1	1763.2	2557.7	1980.7	2512.3	2754.8	2124.0
80°	985.6	1027.4	917.5	982.0	1002.3	1322.4	2051.1	1622.3	2044.0	2286.5	1735.8
82.5°	673.8	712.0	639.1	686.9	713.2	867.3	1418.0	1168.3	1389.3	1537.5	1087.1
85°	389.4	434.8	391.8	385.9	399.0	457.5	763.4	621.2	646.3	679.7	482.6
87.5°	244.9	252.1	230.6	231.8	234.1	250.9	347.6	277.1	305.8	346.4	292.7
90°	194.7	201.9	186.4	187.6	184.0	199.5	260.4	211.4	235.3	271.2	231.8
92.5°	168.4	173.2	162.5	164.9	162.5	174.4	217.4	174.4	193.5	222.2	189.9
95°	143.4	146.9	141.0	142.2	135.0	142.2	169.6	132.6	146.9	167.2	142.2
97.5°	114.7	118.3	114.7	114.7	107.5	111.1	130.2	102.7	112.3	125.4	107.5
100°	90.8	92.0	90.8	89.6	83.6	83.6	90.8	74.1	77.6	86.0	74.1
102.5°	69.3	70.5	69.3	68.1	60.9	57.3	57.3	47.8	50.2	52.6	46.6
105°	55.0	56.1	55.0	52.6	46.6	43.0	41.8	34.6	34.6	35.8	32.3
107.5°	45.4	45.4	45.4	43.0	39.4	34.6	31.1	25.1	25.1	26.3	25.1
110°	37.0	37.0	35.8	34.6	31.1	27.5	23.9	20.3	20.3	20.3	19.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	31.1	31.1	29.9	28.7	25.1	21.5	19.1	16.7	16.7	16.7	15.5
115°	26.3	26.3	25.1	23.9	21.5	17.9	15.5	13.1	13.1	13.1	13.1
117.5°	22.7	22.7	21.5	20.3	17.9	15.5	13.1	10.8	10.8	10.8	10.8
120°	20.3	19.1	17.9	16.7	14.3	13.1	10.8	9.6	9.6	9.6	8.4
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°	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
2.5°	71.7	71.7	70.5	70.5	70.5	69.3	69.3	70.5	70.5	70.5	70.5
5°	76.5	75.3	72.9	70.5	69.3	68.1	66.9	66.9	69.3	69.3	69.3
7.5°	86.0	84.8	81.2	78.8	76.5	74.1	72.9	71.7	72.9	74.1	74.1
10°	95.6	94.4	89.6	86.0	84.8	82.4	81.2	80.0	81.2	81.2	81.2
12.5°	105.1	102.7	99.2	94.4	92.0	90.8	89.6	88.4	88.4	88.4	88.4
15°	113.5	109.9	106.3	102.7	100.3	98.0	96.8	95.6	96.8	98.0	98.0
17.5°	126.6	123.0	114.7	108.7	107.5	105.1	103.9	103.9	105.1	106.3	106.3
20°	141.0	133.8	124.2	118.3	117.1	113.5	112.3	112.3	113.5	114.7	114.7
22.5°	152.9	148.1	133.8	125.4	124.2	123.0	124.2	124.2	125.4	126.6	126.6
25°	194.7	175.6	155.3	149.3	148.1	145.7	143.4	142.2	143.4	146.9	148.1
27.5°	262.8	228.2	189.9	176.8	176.8	179.2	184.0	186.4	181.6	179.2	180.4
30°	308.2	261.6	206.7	194.7	197.1	209.1	219.8	227.0	222.2	218.6	219.8
32.5°	296.3	253.3	213.8	211.4	218.6	228.2	234.1	237.7	247.3	250.9	255.6
35°	270.0	237.7	216.2	225.8	230.6	230.6	230.6	230.6	248.5	265.2	270.0
37.5°	329.7	274.8	256.8	260.4	256.8	253.3	256.8	266.4	281.9	295.1	298.7
40°	387.1	317.8	287.9	285.5	284.3	296.3	317.8	334.5	339.3	327.3	329.7
42.5°	450.4	359.6	321.4	324.9	334.5	353.6	377.5	377.5	377.5	366.7	370.3
45°	510.1	408.6	385.9	395.4	395.4	405.0	418.1	409.8	420.5	425.3	431.3
47.5°	580.6	474.3	424.1	415.7	416.9	436.0	440.8	437.2	444.4	436.0	436.0
50°	602.1	485.0	445.6	477.8	477.8	456.3	438.4	440.8	461.1	483.8	488.6
52.5°	765.7	600.9	565.1	598.5	612.8	575.8	575.8	580.6	585.4	602.1	606.9
55°	1145.6	856.5	749.0	826.7	837.4	860.1	922.2	912.7	857.7	830.3	827.9
57.5°	1713.1	1271.1	933.0	1042.9	1112.2	1205.4	1252.0	1224.5	1150.4	1125.3	1097.8
60°	2189.7	1740.5	1208.9	1400.1	1504.0	1519.5	1502.8	1505.2	1449.1	1467.0	1459.8
62.5°	2366.5	2136.0	1554.2	1670.1	1685.6	1637.8	1682.0	1783.6	1692.8	1639.0	1630.6
65°	2419.1	2282.9	1651.0	1575.7	1561.4	1553.0	1727.4	1897.0	1694.0	1568.5	1567.3
67.5°	2366.5	2132.4	1527.9	1403.7	1437.1	1505.2	1732.2	1795.5	1604.4	1465.8	1456.2
70°	2298.4	1889.9	1375.0	1267.5	1345.1	1444.3	1588.8	1563.7	1488.5	1365.4	1359.5
72.5°	2051.1	1637.8	1277.0	1187.4	1275.8	1304.5	1376.2	1365.4	1386.9	1309.3	1305.7
75°	1836.1	1504.0	1218.5	1113.4	1156.4	1151.6	1208.9	1222.1	1283.0	1249.6	1236.4
77.5°	1584.1	1308.1	1074.0	952.1	968.8	967.6	995.1	1003.5	1046.5	1048.9	1034.5
80°	1240.0	1025.0	838.6	716.8	719.2	697.7	701.2	700.0	708.4	718.0	704.8
82.5°	712.0	572.2	475.5	397.8	381.1	352.4	346.4	348.8	345.2	342.9	342.9
85°	348.8	271.2	249.7	223.4	213.8	206.7	210.3	217.4	221.0	213.8	210.3
87.5°	235.3	203.1	193.5	182.8	178.0	170.8	175.6	181.6	186.4	180.4	179.2
90°	186.4	161.3	158.9	156.5	152.9	146.9	151.7	158.9	162.5	157.7	155.3
92.5°	150.5	130.2	130.2	129.0	125.4	120.7	126.6	132.6	136.2	132.6	131.4
95°	115.9	100.3	103.9	101.5	98.0	96.8	100.3	105.1	107.5	105.1	105.1
97.5°	89.6	78.8	82.4	81.2	76.5	75.3	77.6	81.2	83.6	81.2	80.0
100°	60.9	56.1	60.9	60.9	56.1	53.8	56.1	59.7	60.9	60.9	59.7
102.5°	40.6	38.2	44.2	45.4	43.0	40.6	41.8	44.2	45.4	45.4	45.4
105°	28.7	28.7	34.6	35.8	33.4	31.1	33.4	34.6	34.6	34.6	34.6
107.5°	22.7	23.9	27.5	29.9	27.5	25.1	26.3	27.5	27.5	27.5	28.7
110°	19.1	19.1	22.7	25.1	22.7	21.5	21.5	21.5	21.5	22.7	25.1



REPORT NUMBER: P588483
 CATALOG NUMBER: GAT-CA6-LED-60-750-U-33-5-6-X

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	15.5	16.7	19.1	20.3	19.1	17.9	17.9	17.9	17.9	19.1	22.7
115°	13.1	14.3	16.7	16.7	15.5	15.5	15.5	14.3	14.3	15.5	21.5
117.5°	10.8	11.9	13.1	13.1	13.1	11.9	11.9	11.9	11.9	14.3	22.7
120°	9.6	9.6	10.8	10.8	9.6	9.6	9.6	9.6	8.4	11.9	17.9
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)