

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: P588467

Luminaire Tested: **GAT-CA6-LED-60-722-U-33-5-6-X**

Issue Date: 11/30/2021

Test Information

Test Method: LM-79-08
Report Number: P588467
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-60-722-U-33-5-6-X
Description: GENERATIONS SERIES AVENUE WITH AVENUE CAGE AND TYPE III REFRACTOR
Light Source: (6) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5173 lumens
Efficiency: N/A
Efficacy: 80.5 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

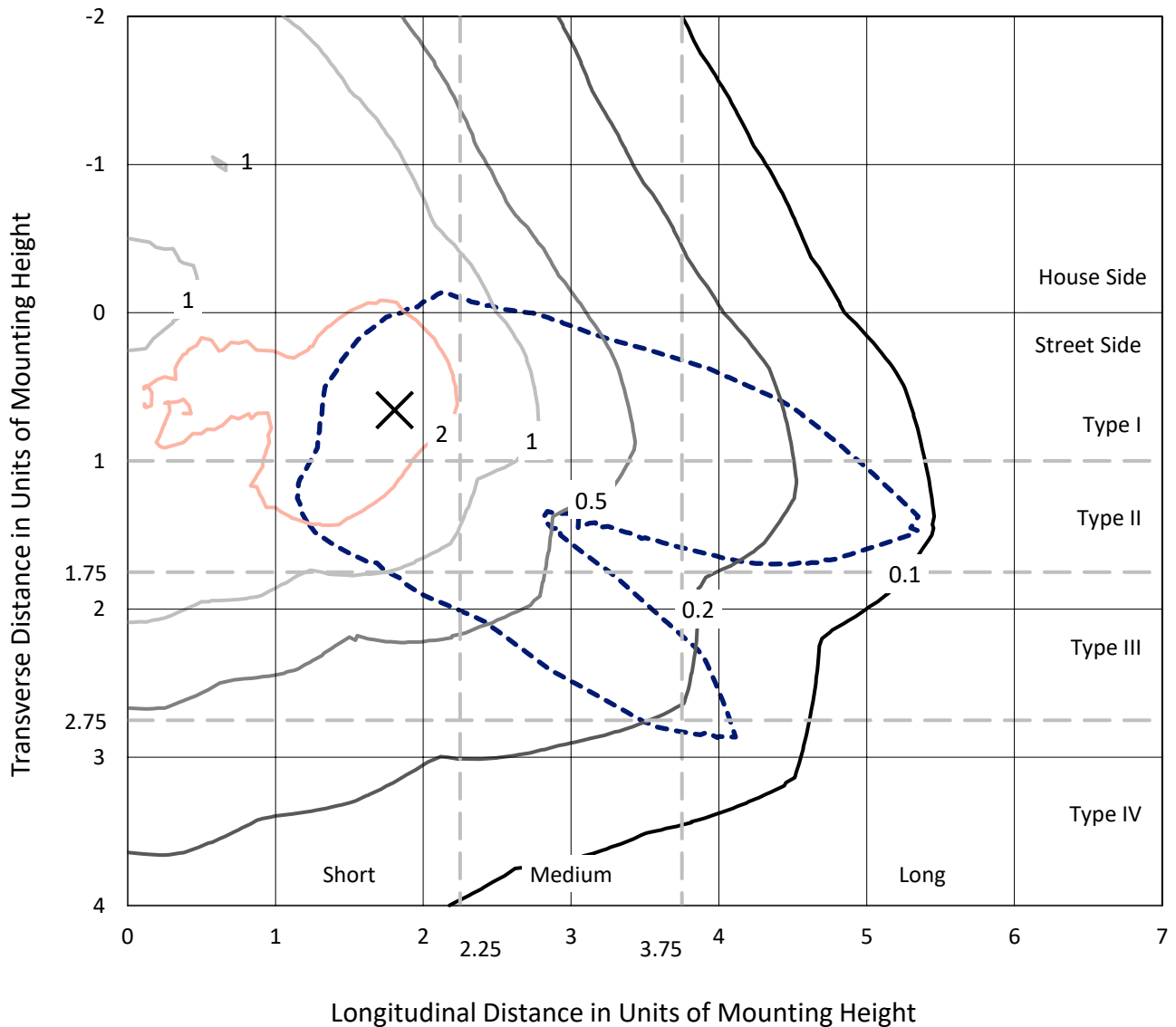
Input Watts (W): 64.3
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

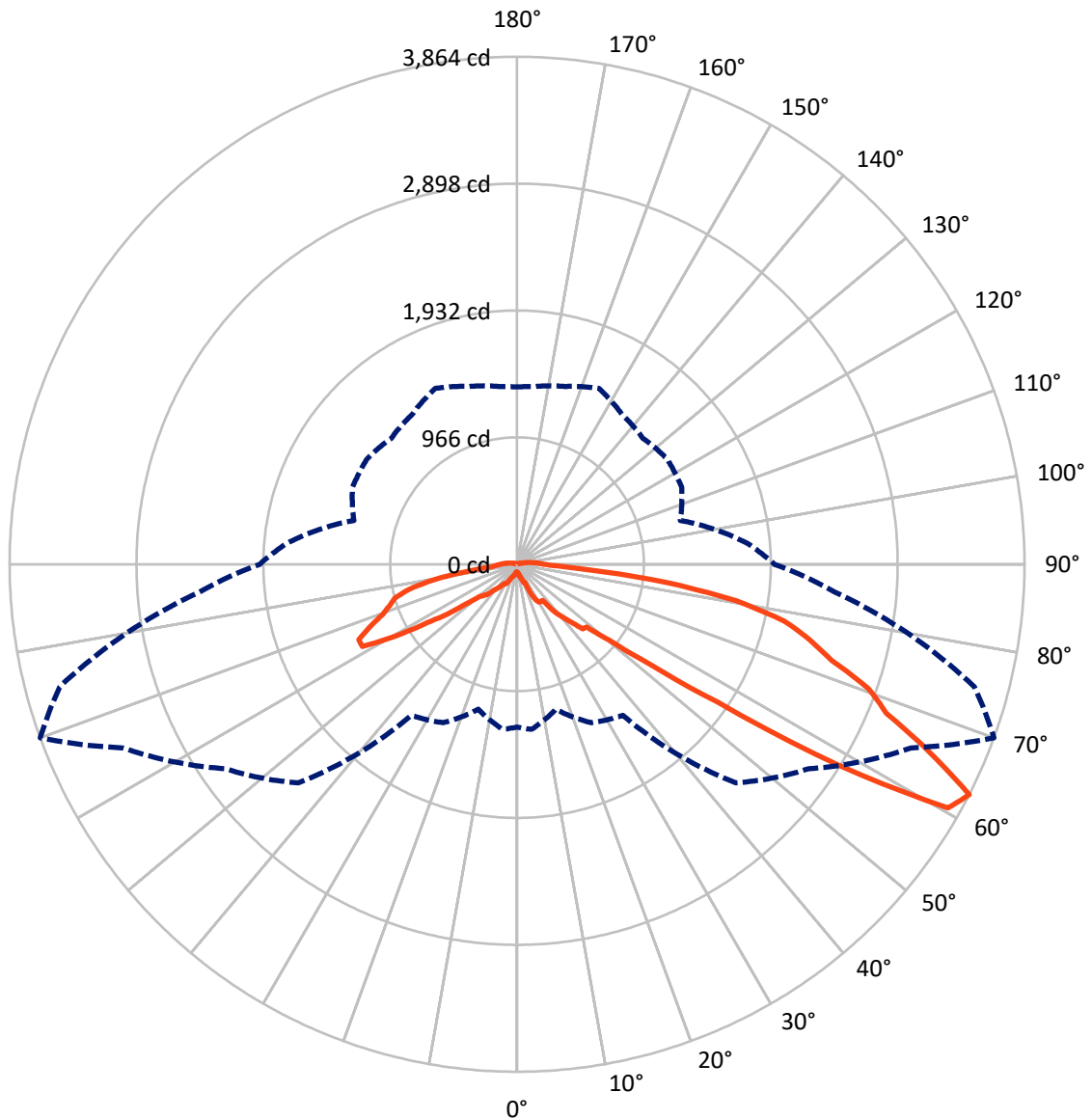
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.5 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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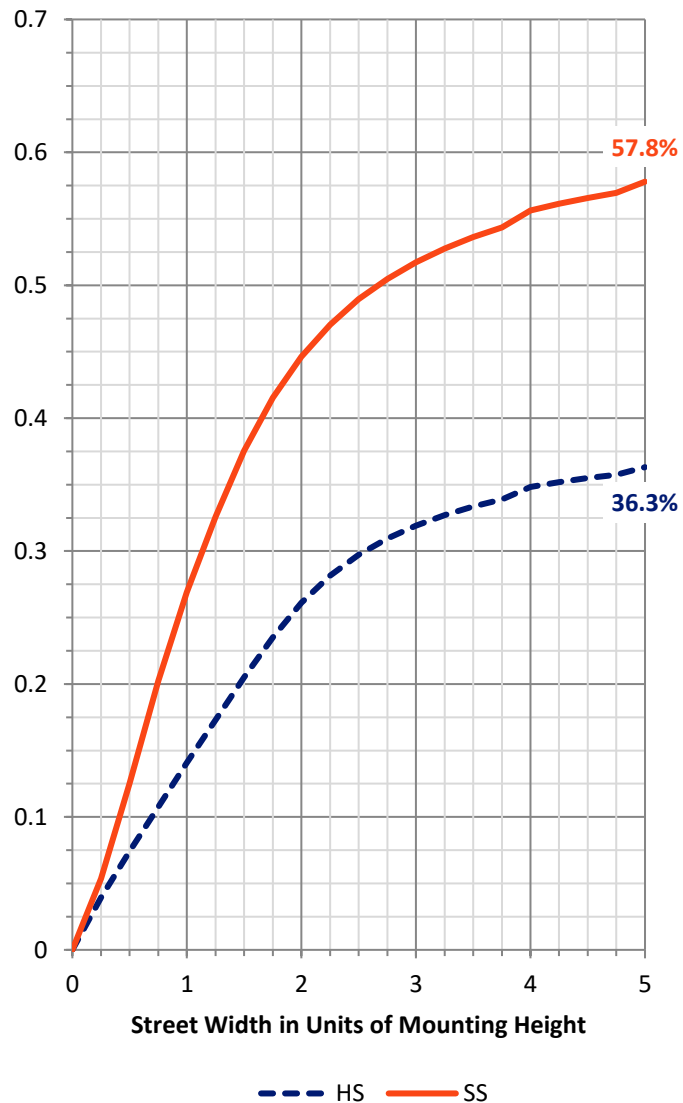
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1917.2	70.3	1987.5
	% Fixture	37.1	1.4	38.4
Street Side	Lumens	3088.9	96.6	3185.5
	% Fixture	59.7	1.9	61.6
Total	Lumens	5006.1	166.9	5173.0
	% Fixture	96.8	3.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.5	0.1
10°-20°	28.2	0.5
20°-30°	87.3	1.7
30°-40°	187.2	3.6
40°-50°	350.6	6.8
50°-60°	909.9	17.6
60°-70°	1666.7	32.2
70°-80°	1336.9	25.8
80°-90°	432.9	8.4
90°-100°	114.1	2.2
100°-110°	37.1	0.7
110°-120°	14.5	0.3
120°-130°	1.1	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°	5006.1	96.8
0°-180°	5173.0	100.0

Coefficient of Utilization



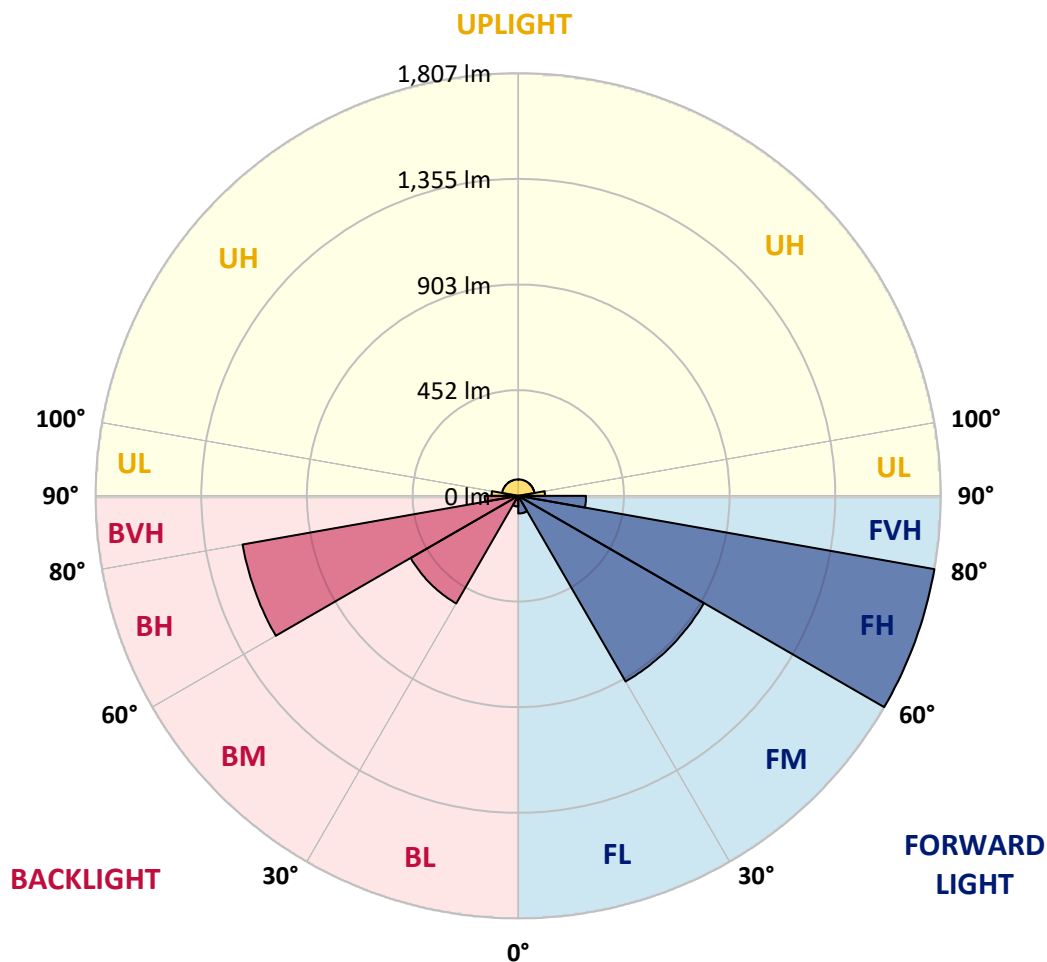
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	75.9	1.5			
FM (30°-60°)	916.6	17.7			
FH (60°-80°)	1806.8	34.9			G2/5000
FVH (80°-90°)	289.6	5.6			G3/500
BL (0°-30°)	46.0	0.9	B0/110		
BM (30°-60°)	531.1	10.3	B1/1000		
BH (60°-80°)	1196.8	23.1	B3/2500		G3/2500
BVH (80°-90°)	143.3	2.8			G2/225
UL (90°-100°)	114.1	2.2		U3/500	
UH (100°-180°)	70.3	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°	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
2.5°	66.3	66.3	66.3	65.3	64.3	63.3	62.3	62.3	61.3	60.3	59.3
5°	72.2	71.2	70.2	68.2	67.2	67.2	66.3	66.3	66.3	65.3	64.3
7.5°	80.1	80.1	79.1	78.1	77.1	76.1	75.2	74.2	74.2	73.2	72.2
10°	91.0	91.0	91.0	90.0	90.0	89.0	87.0	86.0	84.1	83.1	80.1
12.5°	101.9	102.8	100.9	100.9	100.9	99.9	97.9	96.9	94.9	93.0	89.0
15°	112.7	111.7	110.8	109.8	111.7	111.7	110.8	110.8	106.8	103.8	96.9
17.5°	122.6	122.6	123.6	123.6	126.6	125.6	125.6	124.6	122.6	117.7	108.8
20°	138.4	139.4	139.4	139.4	149.3	153.3	154.3	155.3	152.3	142.4	124.6
22.5°	154.3	155.3	162.2	160.2	160.2	160.2	170.1	165.1	152.3	140.4	130.5
25°	208.7	211.6	213.6	220.5	228.4	250.2	284.8	273.9	254.2	213.6	180.0
27.5°	261.1	265.0	300.6	350.1	357.0	331.3	356.0	323.4	313.5	272.0	244.3
30°	284.8	291.7	353.0	386.7	398.5	364.9	400.5	338.2	335.2	305.6	281.8
32.5°	290.7	295.7	362.9	366.9	369.9	365.9	419.3	343.2	336.2	306.6	272.0
35°	281.8	287.8	333.3	310.5	311.5	381.7	481.6	369.9	338.2	286.8	248.2
37.5°	347.1	347.1	385.7	391.6	417.3	502.4	630.9	488.5	452.9	373.8	326.3
40°	395.6	400.5	461.8	484.6	488.5	560.7	790.1	572.6	522.1	418.3	381.7
42.5°	460.8	459.8	516.2	532.0	542.9	569.6	807.9	658.6	599.3	473.7	446.0
45°	471.7	487.5	539.0	521.2	535.0	603.2	843.5	780.3	701.1	578.5	521.2
47.5°	428.2	450.0	553.8	539.0	483.6	515.2	676.4	801.0	714.0	594.3	553.8
50°	461.8	473.7	525.1	515.2	441.1	547.9	742.7	1003.7	906.8	707.1	603.2
52.5°	597.3	623.0	631.9	670.5	634.9	819.8	1039.3	1271.7	1258.9	1023.5	796.1
55°	767.4	805.0	844.5	990.9	1011.7	1287.6	1450.7	1699.0	1853.2	1618.9	1221.3
57.5°	951.3	1004.7	991.9	1204.5	1237.1	1744.4	1894.8	2476.2	2888.6	2570.2	1788.9
60°	1129.3	1164.9	1092.7	1279.7	1342.0	2196.4	2416.9	3224.8	3767.8	3428.6	2203.3
62.5°	1239.1	1261.9	1143.2	1331.1	1404.3	2353.6	2712.6	3308.9	3863.7	3605.6	2427.8
65°	1238.1	1232.2	1096.7	1259.9	1250.0	2172.6	2621.6	2780.8	3451.3	3407.8	2456.5
67.5°	1189.7	1191.6	1049.2	1178.8	1138.2	1915.5	2428.8	2352.6	3034.0	3092.3	2389.2
70°	1143.2	1166.9	1031.4	1144.2	1125.4	1842.3	2344.7	2117.3	2838.2	2948.9	2318.0
72.5°	1077.9	1100.7	973.1	1072.0	1078.9	1696.0	2201.3	1848.3	2502.9	2636.4	2077.7
75°	1076.9	1105.6	985.9	1073.0	1083.8	1612.9	2219.1	1755.3	2302.2	2481.2	1939.3
77.5°	1015.6	1041.3	930.6	1011.7	1042.3	1459.6	2117.3	1639.6	2079.7	2280.4	1758.3
80°	815.9	850.5	759.5	812.9	829.7	1094.7	1698.0	1342.9	1692.0	1892.8	1436.9
82.5°	557.7	589.4	529.1	568.6	590.4	718.0	1173.8	967.2	1150.1	1272.7	899.9
85°	322.4	360.0	324.4	319.4	330.3	378.8	631.9	514.2	535.0	562.7	399.5
87.5°	202.7	208.7	190.9	191.8	193.8	207.7	287.8	229.4	253.2	286.8	242.3
90°	161.2	167.1	154.3	155.3	152.3	165.1	215.6	175.0	194.8	224.5	191.8
92.5°	139.4	143.4	134.5	136.5	134.5	144.4	180.0	144.4	160.2	183.9	157.2
95°	118.7	121.6	116.7	117.7	111.7	117.7	140.4	109.8	121.6	138.4	117.7
97.5°	94.9	97.9	94.9	94.9	89.0	92.0	107.8	85.0	93.0	103.8	89.0
100°	75.2	76.1	75.2	74.2	69.2	69.2	75.2	61.3	64.3	71.2	61.3
102.5°	57.4	58.3	57.4	56.4	50.4	47.5	47.5	39.6	41.5	43.5	38.6
105°	45.5	46.5	45.5	43.5	38.6	35.6	34.6	28.7	28.7	29.7	26.7
107.5°	37.6	37.6	37.6	35.6	32.6	28.7	25.7	20.8	20.8	21.8	20.8
110°	30.7	30.7	29.7	28.7	25.7	22.7	19.8	16.8	16.8	16.8	15.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	25.7	25.7	24.7	23.7	20.8	17.8	15.8	13.8	13.8	13.8	12.9
115°	21.8	21.8	20.8	19.8	17.8	14.8	12.9	10.9	10.9	10.9	10.9
117.5°	18.8	18.8	17.8	16.8	14.8	12.9	10.9	8.9	8.9	8.9	8.9
120°	16.8	15.8	14.8	13.8	11.9	10.9	8.9	7.9	7.9	7.9	6.9
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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
2.5°	59.3	59.3	58.3	58.3	58.3	57.4	57.4	58.3	58.3	58.3	58.3
5°	63.3	62.3	60.3	58.3	57.4	56.4	55.4	55.4	57.4	57.4	57.4
7.5°	71.2	70.2	67.2	65.3	63.3	61.3	60.3	59.3	60.3	61.3	61.3
10°	79.1	78.1	74.2	71.2	70.2	68.2	67.2	66.3	67.2	67.2	67.2
12.5°	87.0	85.0	82.1	78.1	76.1	75.2	74.2	73.2	73.2	73.2	73.2
15°	93.9	91.0	88.0	85.0	83.1	81.1	80.1	79.1	80.1	81.1	81.1
17.5°	104.8	101.9	94.9	90.0	89.0	87.0	86.0	86.0	87.0	88.0	88.0
20°	116.7	110.8	102.8	97.9	96.9	93.9	93.0	93.0	93.9	94.9	94.9
22.5°	126.6	122.6	110.8	103.8	102.8	101.9	102.8	102.8	103.8	104.8	104.8
25°	161.2	145.4	128.6	123.6	122.6	120.6	118.7	117.7	118.7	121.6	122.6
27.5°	217.6	188.9	157.2	146.4	146.4	148.3	152.3	154.3	150.3	148.3	149.3
30°	255.1	216.6	171.1	161.2	163.2	173.1	182.0	187.9	183.9	181.0	182.0
32.5°	245.3	209.6	177.0	175.0	181.0	188.9	193.8	196.8	204.7	207.7	211.6
35°	223.5	196.8	179.0	186.9	190.9	190.9	190.9	190.9	205.7	219.5	223.5
37.5°	272.9	227.5	212.6	215.6	212.6	209.6	212.6	220.5	233.4	244.3	247.2
40°	320.4	263.1	238.3	236.4	235.4	245.3	263.1	276.9	280.9	271.0	272.9
42.5°	372.8	297.7	266.0	269.0	276.9	292.7	312.5	312.5	312.5	303.6	306.6
45°	422.3	338.2	319.4	327.3	327.3	335.2	346.1	339.2	348.1	352.1	357.0
47.5°	480.6	392.6	351.1	344.1	345.1	361.0	364.9	361.9	367.9	361.0	361.0
50°	498.4	401.5	368.9	395.6	395.6	377.8	362.9	364.9	381.7	400.5	404.5
52.5°	633.9	497.4	467.8	495.4	507.3	476.7	476.7	480.6	484.6	498.4	502.4
55°	948.4	709.1	620.0	684.3	693.2	712.0	763.4	755.5	710.0	687.3	685.3
57.5°	1418.1	1052.2	772.3	863.3	920.7	997.8	1036.4	1013.6	952.3	931.6	908.8
60°	1812.7	1440.8	1000.8	1159.0	1245.0	1257.9	1244.1	1246.0	1199.6	1214.4	1208.5
62.5°	1959.0	1768.2	1286.6	1382.5	1395.4	1355.8	1392.4	1476.4	1401.3	1356.8	1349.9
65°	2002.5	1889.8	1366.7	1304.4	1292.5	1285.6	1430.0	1570.4	1402.3	1298.4	1297.5
67.5°	1959.0	1765.2	1264.8	1162.0	1189.7	1246.0	1433.9	1486.3	1328.1	1213.4	1205.5
70°	1902.7	1564.5	1138.2	1049.2	1113.5	1195.6	1315.3	1294.5	1232.2	1130.3	1125.4
72.5°	1698.0	1355.8	1057.1	983.0	1056.2	1079.9	1139.2	1130.3	1148.1	1083.8	1080.9
75°	1520.0	1245.0	1008.7	921.7	957.3	953.3	1000.8	1011.7	1062.1	1034.4	1023.5
77.5°	1311.3	1082.9	889.0	788.2	802.0	801.0	823.8	830.7	866.3	868.3	856.4
80°	1026.5	848.5	694.2	593.3	595.3	577.5	580.5	579.5	586.4	594.3	583.5
82.5°	589.4	473.7	393.6	329.3	315.5	291.7	286.8	288.8	285.8	283.8	283.8
85°	288.8	224.5	206.7	184.9	177.0	171.1	174.0	180.0	182.9	177.0	174.0
87.5°	194.8	168.1	160.2	151.3	147.3	141.4	145.4	150.3	154.3	149.3	148.3
90°	154.3	133.5	131.5	129.5	126.6	121.6	125.6	131.5	134.5	130.5	128.6
92.5°	124.6	107.8	107.8	106.8	103.8	99.9	104.8	109.8	112.7	109.8	108.8
95°	95.9	83.1	86.0	84.1	81.1	80.1	83.1	87.0	89.0	87.0	87.0
97.5°	74.2	65.3	68.2	67.2	63.3	62.3	64.3	67.2	69.2	67.2	66.3
100°	50.4	46.5	50.4	50.4	46.5	44.5	46.5	49.4	50.4	50.4	49.4
102.5°	33.6	31.6	36.6	37.6	35.6	33.6	34.6	36.6	37.6	37.6	37.6
105°	23.7	23.7	28.7	29.7	27.7	25.7	27.7	28.7	28.7	28.7	28.7
107.5°	18.8	19.8	22.7	24.7	22.7	20.8	21.8	22.7	22.7	22.7	23.7
110°	15.8	15.8	18.8	20.8	18.8	17.8	17.8	17.8	17.8	18.8	20.8



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 CATALOG NUMBER: GAT-CA6-LED-60-722-U-33-5-6-X

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	12.9	13.8	15.8	16.8	15.8	14.8	14.8	14.8	14.8	15.8	18.8
115°	10.9	11.9	13.8	13.8	12.9	12.9	12.9	11.9	11.9	12.9	17.8
117.5°	8.9	9.9	10.9	10.9	10.9	9.9	9.9	9.9	9.9	11.9	18.8
120°	7.9	7.9	8.9	8.9	7.9	7.9	7.9	7.9	6.9	9.9	14.8
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)