

Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P645314 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA1B-735-U-LAM-XX

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-2019
Report Number: P645314 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 5/4/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA1B-735-U-LAM-XX
Description: GALLEON FLOOD, ONE LIGHT SQAURE, LAMBERTIAN
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

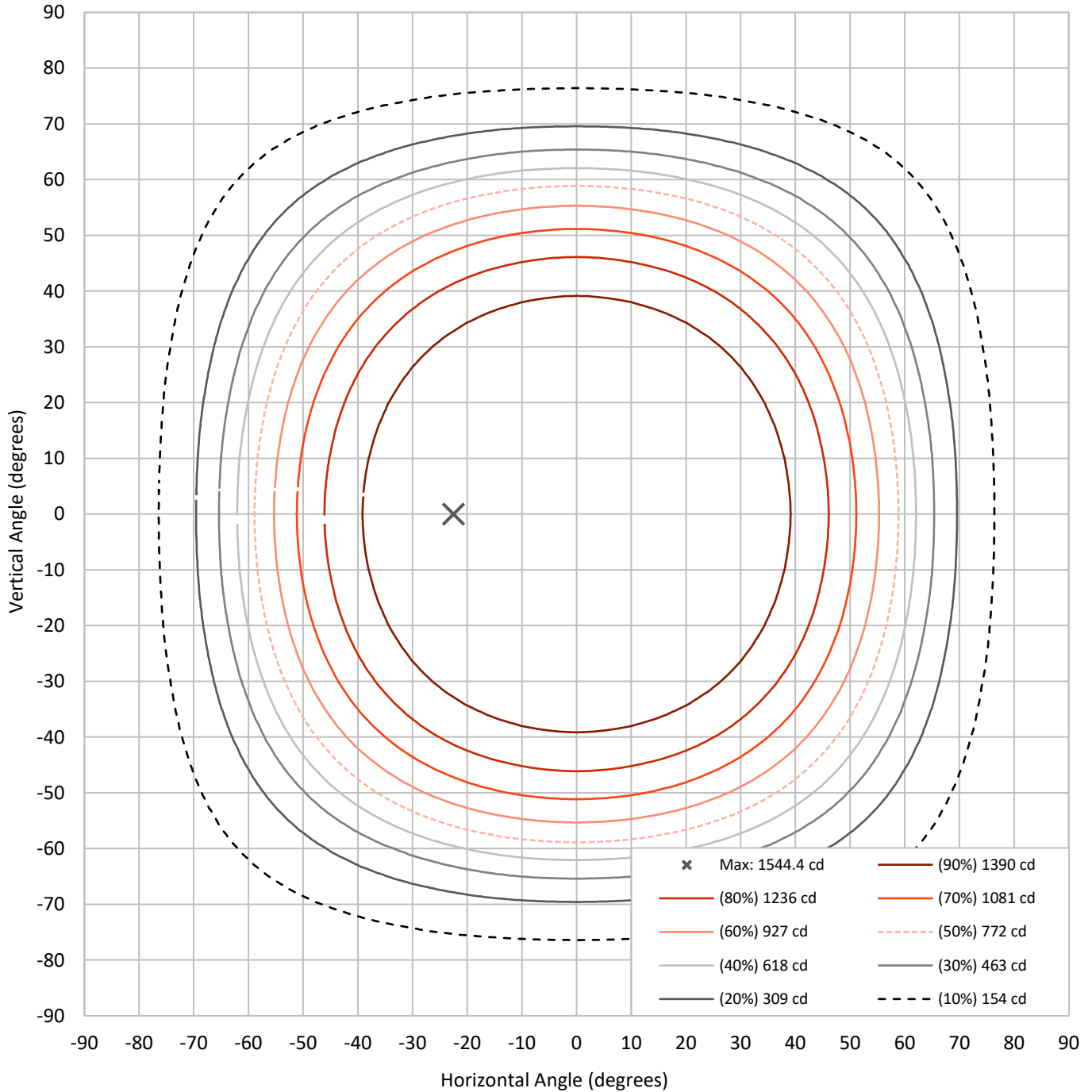
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	4724.5 lumens	Max Intensity:	1544.4 candela
Efficiency:	N/A	Max Intensity Angle:	-22.5°H x 0°V
Efficacy:	141.0 lumens/watt		
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')		
Beam Angle (50%):	117.8°H x 112°V	Field Angle (10%):	152.8°H x 150.5°V
Beam Lumens:	3931.8 lumens	Field Lumens:	4631.6 lumens
Beam Efficiency:	83.2%	Field Efficiency:	98.0%
Input Watts (W):	33.5		
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:	25 FT		



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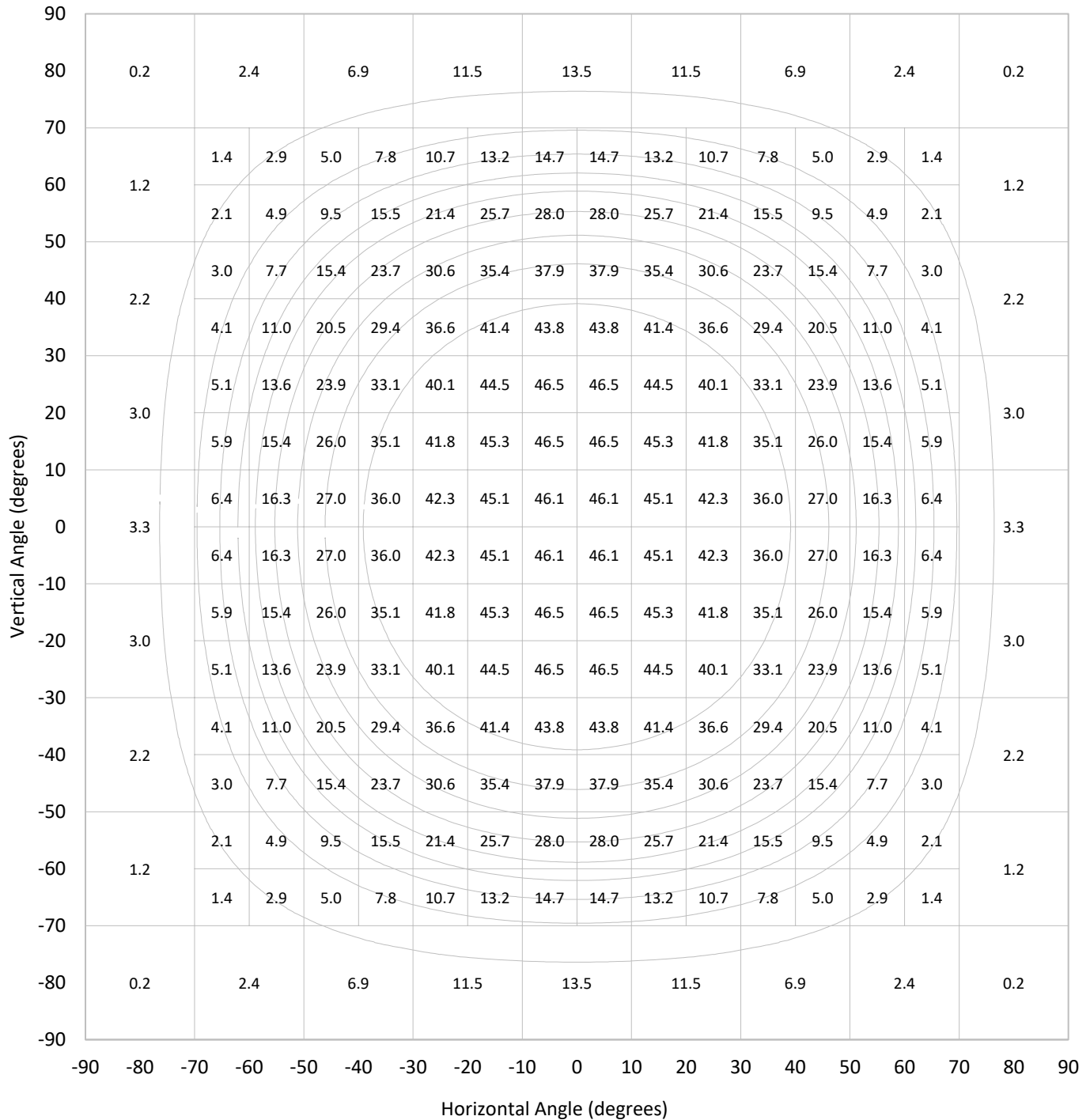
Iso-Candela Plot





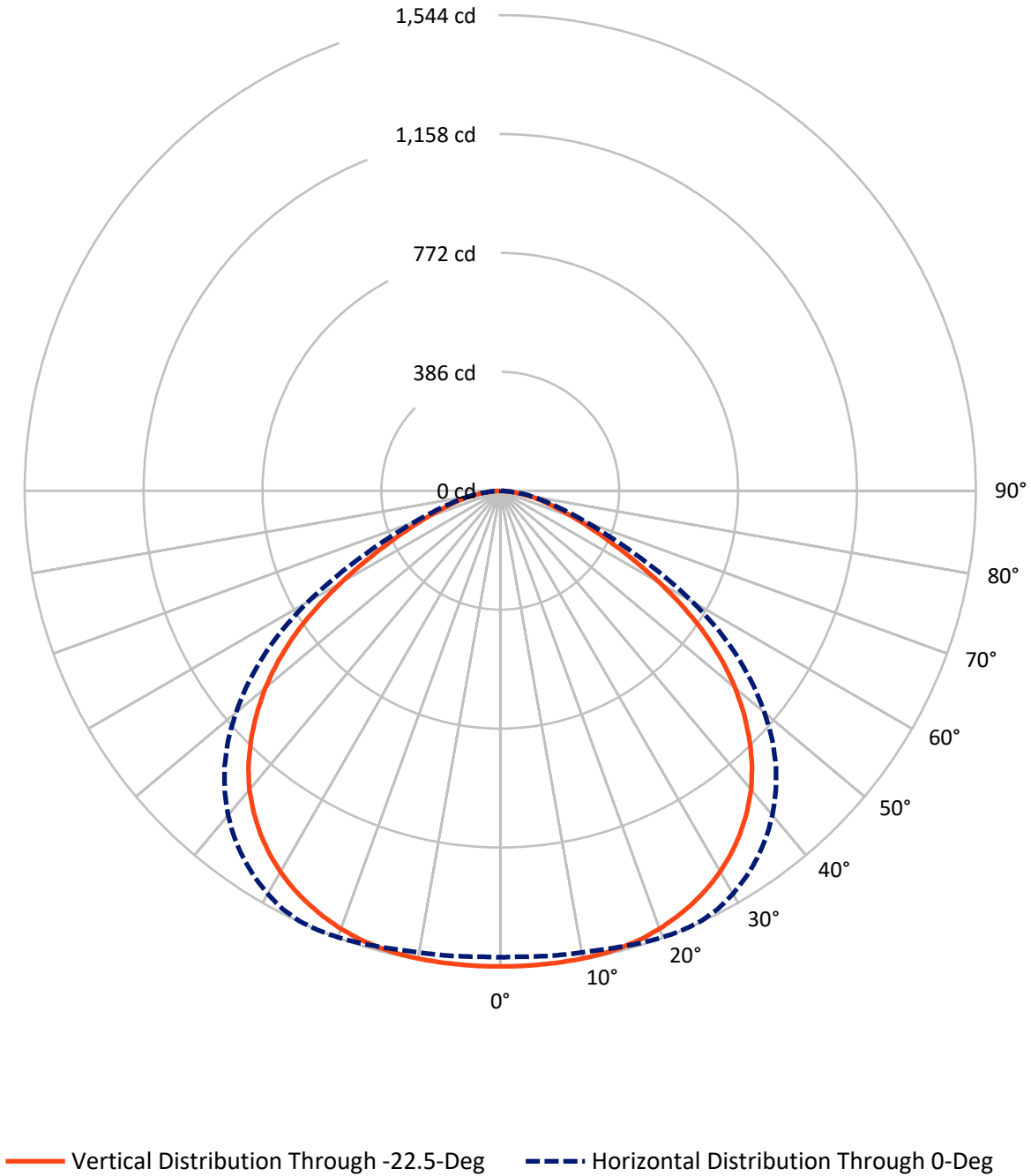
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Lumen Table



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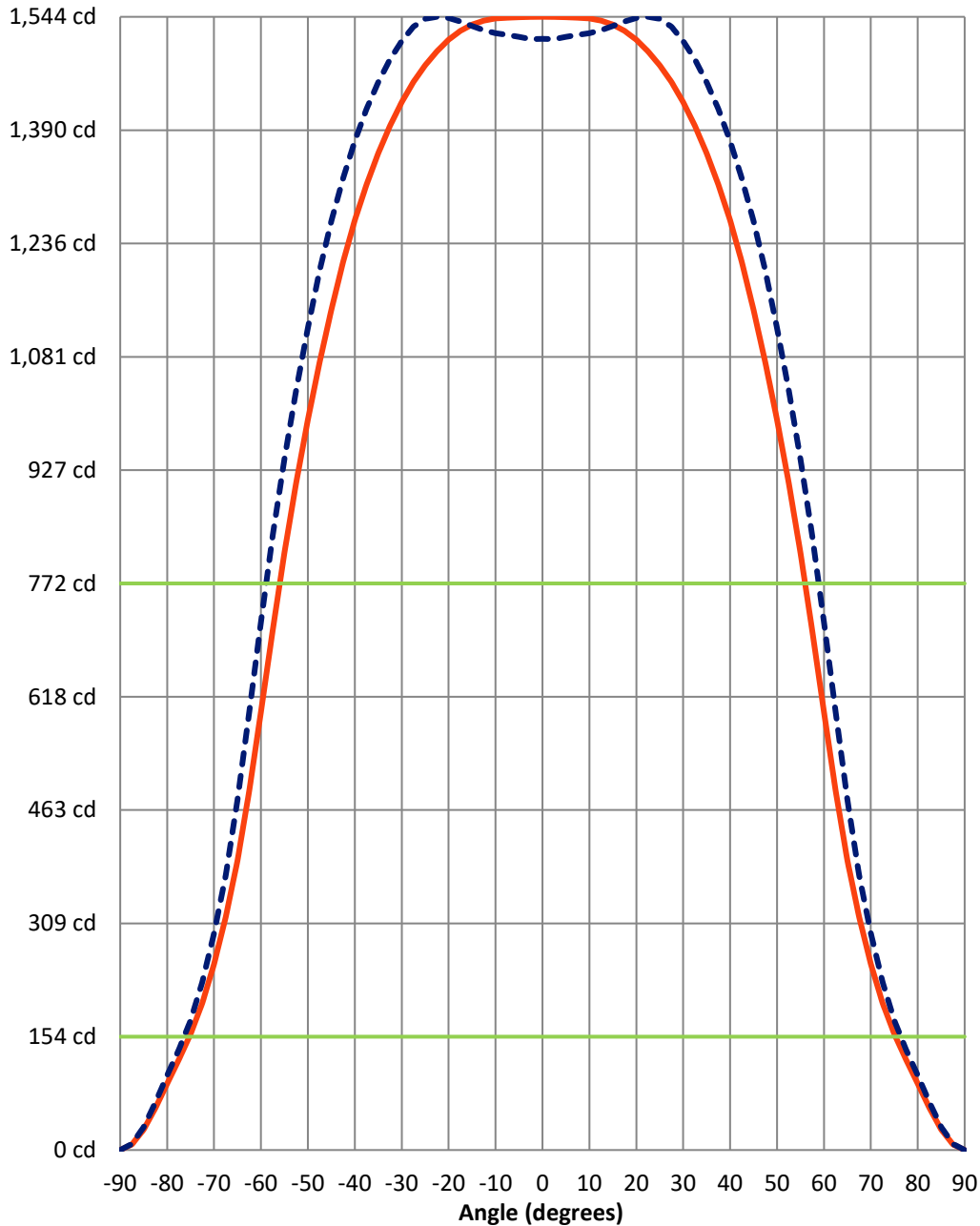
Luminous Intensity Polar Plot





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Luminous Intensity Plot



Beam:
 H Angle: 117.8°
 V Angle: 112°
 Lumens: 3931.8
 Efficiency: 83.2%

Field:
 H Angle: 152.8°
 V Angle: 150.5°
 Lumens: 4631.6
 Efficiency: 98.0%

Spill:
 Lumens: 92.9
 Efficiency: 2.0%

— Vertical Distribution through -22.5-Deg
 - - Horizontal Distribution through 0-Deg

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FIELD
BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.4	0.7	1.1	1.5	1.8	2.2	2.5	2.9	3.2	3.5
85°	0.0	0.7	1.5	2.2	2.9	3.6	4.3	5.0	5.7	6.4	7.1
82.5°	0.0	1.1	2.2	3.3	4.4	5.4	6.5	7.6	8.9	11.7	14.5
80°	0.0	1.5	2.9	4.4	5.8	7.2	9.1	12.9	16.7	20.5	24.1
77.5°	0.0	1.8	3.6	5.4	7.2	10.1	14.9	19.7	24.5	29.1	34.7
75°	0.0	2.2	4.3	6.5	9.1	14.9	20.7	26.5	32.5	40.6	48.5
72.5°	0.0	2.5	5.0	7.6	12.9	19.7	26.5	33.9	43.5	52.9	62.2
70°	0.0	2.9	5.7	8.9	16.7	24.5	32.5	43.5	54.4	65.2	76.8
67.5°	0.0	3.2	6.4	11.7	20.5	29.1	40.6	52.9	65.2	78.5	91.5
65°	0.0	3.5	7.1	14.5	24.1	34.7	48.5	62.2	76.8	91.5	105.8
62.5°	0.0	3.9	7.7	17.2	27.7	41.3	56.4	72.0	88.3	104.2	119.3
60°	0.0	4.2	8.4	19.8	31.2	47.7	64.0	81.8	99.4	116.2	132.7
57.5°	0.0	4.5	10.1	22.4	36.1	53.9	72.2	91.4	110.0	128.0	146.8
55°	0.0	4.8	11.8	24.9	41.0	60.0	80.2	100.7	120.2	139.8	161.2
52.5°	0.0	5.1	13.4	27.3	45.7	65.9	87.9	109.4	130.1	152.4	175.2
50°	0.0	5.4	14.9	29.7	50.3	72.2	95.5	117.8	140.1	164.6	192.7
47.5°	0.0	5.7	16.5	32.2	54.7	78.3	102.7	125.9	150.6	176.4	210.0
45°	0.0	5.9	17.9	35.4	58.9	84.1	109.4	133.8	160.7	191.4	226.7
42.5°	0.0	6.2	19.3	38.4	63.0	89.7	115.8	141.8	170.4	205.8	246.5
40°	0.0	6.4	20.6	41.3	67.0	95.0	121.9	149.9	180.7	219.6	266.0
37.5°	0.0	6.7	21.9	44.0	71.1	100.0	127.7	157.6	192.3	233.7	284.5
35°	0.0	6.9	23.1	46.6	74.9	104.7	133.2	164.9	203.3	249.5	303.5
32.5°	0.0	7.1	24.2	49.1	78.5	109.0	138.6	171.8	213.7	264.4	323.4
30°	0.0	7.3	25.2	51.4	81.8	113.0	144.1	178.7	223.4	278.3	342.1
27.5°	0.0	7.5	26.2	53.5	84.9	116.7	149.2	186.5	233.4	291.2	359.4
25°	0.0	7.6	27.1	55.4	87.8	120.2	153.9	193.8	243.9	304.7	375.7
22.5°	0.0	7.8	27.9	57.2	90.4	123.3	158.1	200.4	253.5	317.8	394.6
20°	0.0	7.9	28.6	58.8	92.7	126.1	162.0	206.3	262.2	329.6	411.7
17.5°	0.0	8.0	29.3	60.2	94.8	128.6	165.4	211.6	269.9	340.0	427.0
15°	0.0	8.1	29.8	61.5	96.6	130.8	168.4	216.2	276.6	349.2	440.2
12.5°	0.0	8.2	30.3	62.5	98.2	132.7	170.9	220.1	282.3	357.0	451.5
10°	0.0	8.3	30.7	63.4	99.4	134.2	173.0	223.4	287.0	363.4	460.9
7.5°	0.0	8.3	31.0	64.0	100.4	135.4	174.6	225.9	290.7	368.4	468.1
5°	0.0	8.4	31.2	64.5	101.1	136.2	175.8	227.7	293.3	371.9	473.3
2.5°	0.0	8.4	31.4	64.8	101.6	136.7	176.5	228.7	294.9	374.1	476.5
0°	0.0	8.4	31.4	64.9	101.7	136.9	176.7	229.1	295.4	374.8	477.5
-2.5°	0.0	8.4	31.4	64.8	101.6	136.7	176.5	228.7	294.9	374.1	476.5
-5°	0.0	8.4	31.2	64.5	101.1	136.2	175.8	227.7	293.3	371.9	473.3
-7.5°	0.0	8.3	31.0	64.0	100.4	135.4	174.6	225.9	290.7	368.4	468.1
-10°	0.0	8.3	30.7	63.4	99.4	134.2	173.0	223.4	287.0	363.4	460.9
-12.5°	0.0	8.2	30.3	62.5	98.2	132.7	170.9	220.1	282.3	357.0	451.5
-15°	0.0	8.1	29.8	61.5	96.6	130.8	168.4	216.2	276.6	349.2	440.2
-17.5°	0.0	8.0	29.3	60.2	94.8	128.6	165.4	211.6	269.9	340.0	427.0
-20°	0.0	7.9	28.6	58.8	92.7	126.1	162.0	206.3	262.2	329.6	411.7

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CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	7.8	27.9	57.2	90.4	123.3	158.1	200.4	253.5	317.8	394.6
-25°	0.0	7.6	27.1	55.4	87.8	120.2	153.9	193.8	243.9	304.7	375.7
-27.5°	0.0	7.5	26.2	53.5	84.9	116.7	149.2	186.5	233.4	291.2	359.4
-30°	0.0	7.3	25.2	51.4	81.8	113.0	144.1	178.7	223.4	278.3	342.1
-32.5°	0.0	7.1	24.2	49.1	78.5	109.0	138.6	171.8	213.7	264.4	323.4
-35°	0.0	6.9	23.1	46.6	74.9	104.7	133.2	164.9	203.3	249.5	303.5
-37.5°	0.0	6.7	21.9	44.0	71.1	100.0	127.7	157.6	192.3	233.7	284.5
-40°	0.0	6.4	20.6	41.3	67.0	95.0	121.9	149.9	180.7	219.6	266.0
-42.5°	0.0	6.2	19.3	38.4	63.0	89.7	115.8	141.8	170.4	205.8	246.5
-45°	0.0	5.9	17.9	35.4	58.9	84.1	109.4	133.8	160.7	191.4	226.7
-47.5°	0.0	5.7	16.5	32.2	54.7	78.3	102.7	125.9	150.6	176.4	210.0
-50°	0.0	5.4	14.9	29.7	50.3	72.2	95.5	117.8	140.1	164.6	192.7
-52.5°	0.0	5.1	13.4	27.3	45.7	65.9	87.9	109.4	130.1	152.4	175.2
-55°	0.0	4.8	11.8	24.9	41.0	60.0	80.2	100.7	120.2	139.8	161.2
-57.5°	0.0	4.5	10.1	22.4	36.1	53.9	72.2	91.4	110.0	128.0	146.8
-60°	0.0	4.2	8.4	19.8	31.2	47.7	64.0	81.8	99.4	116.2	132.7
-62.5°	0.0	3.9	7.7	17.2	27.7	41.3	56.4	72.0	88.3	104.2	119.3
-65°	0.0	3.5	7.1	14.5	24.1	34.7	48.5	62.2	76.8	91.5	105.8
-67.5°	0.0	3.2	6.4	11.7	20.5	29.1	40.6	52.9	65.2	78.5	91.5
-70°	0.0	2.9	5.7	8.9	16.7	24.5	32.5	43.5	54.4	65.2	76.8
-72.5°	0.0	2.5	5.0	7.6	12.9	19.7	26.5	33.9	43.5	52.9	62.2
-75°	0.0	2.2	4.3	6.5	9.1	14.9	20.7	26.5	32.5	40.6	48.5
-77.5°	0.0	1.8	3.6	5.4	7.2	10.1	14.9	19.7	24.5	29.1	34.7
-80°	0.0	1.5	2.9	4.4	5.8	7.2	9.1	12.9	16.7	20.5	24.1
-82.5°	0.0	1.1	2.2	3.3	4.4	5.4	6.5	7.6	8.9	11.7	14.5
-85°	0.0	0.7	1.5	2.2	2.9	3.6	4.3	5.0	5.7	6.4	7.1
-87.5°	0.0	0.4	0.7	1.1	1.5	1.8	2.2	2.5	2.9	3.2	3.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645314 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1B-735-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.9	4.2	4.5	4.8	5.1	5.4	5.7	5.9	6.2	6.4	6.7
85°	7.7	8.4	10.1	11.8	13.4	14.9	16.5	17.9	19.3	20.6	21.9
82.5°	17.2	19.8	22.4	24.9	27.3	29.7	32.2	35.4	38.4	41.3	44.0
80°	27.7	31.2	36.1	41.0	45.7	50.3	54.7	58.9	63.0	67.0	71.1
77.5°	41.3	47.7	53.9	60.0	65.9	72.2	78.3	84.1	89.7	95.0	100.0
75°	56.4	64.0	72.2	80.2	87.9	95.5	102.7	109.4	115.8	121.9	127.7
72.5°	72.0	81.8	91.4	100.7	109.4	117.8	125.9	133.8	141.8	149.9	157.6
70°	88.3	99.4	110.0	120.2	130.1	140.1	150.6	160.7	170.4	180.7	192.3
67.5°	104.2	116.2	128.0	139.8	152.4	164.6	176.4	191.4	205.8	219.6	233.7
65°	119.3	132.7	146.8	161.2	175.2	192.7	210.0	226.7	246.5	266.0	284.5
62.5°	134.2	150.4	166.6	184.2	204.5	224.2	247.1	270.4	292.8	318.1	342.7
60°	150.4	168.4	188.9	211.6	235.0	262.2	288.6	317.8	347.2	375.7	410.6
57.5°	166.6	188.9	214.0	241.0	271.3	301.9	336.2	369.4	409.2	449.0	488.5
55°	184.2	211.6	241.0	274.4	309.3	347.3	387.1	433.4	478.3	528.3	576.2
52.5°	204.5	235.0	271.3	309.3	351.0	396.8	448.1	501.2	557.1	611.4	664.7
50°	224.2	262.2	301.9	347.3	396.8	453.0	512.7	574.6	635.6	695.1	750.9
47.5°	247.1	288.6	336.2	387.1	448.1	512.7	580.4	647.8	713.6	774.7	833.2
45°	270.4	317.8	369.4	433.4	501.2	574.6	647.8	719.8	786.7	849.8	905.0
42.5°	292.8	347.2	409.2	478.3	557.1	635.6	713.6	786.7	855.2	916.0	971.5
40°	318.1	375.7	449.0	528.3	611.4	695.1	774.7	849.8	916.0	976.5	1032.7
37.5°	342.7	410.6	488.5	576.2	664.7	750.9	833.2	905.0	971.5	1032.7	1086.6
35°	366.1	443.7	530.6	622.6	715.5	803.2	883.3	956.4	1022.4	1081.8	1136.9
32.5°	392.0	475.1	570.4	667.2	761.8	851.1	930.5	1002.0	1067.7	1128.0	1182.7
30°	418.8	508.9	608.1	709.2	805.3	892.6	971.9	1044.4	1109.4	1169.1	1222.7
27.5°	443.7	540.9	644.2	747.2	845.0	931.6	1009.8	1081.1	1146.6	1206.6	1258.6
25°	466.8	570.4	677.5	782.0	878.4	965.2	1044.2	1115.4	1180.5	1238.1	1288.6
22.5°	489.5	597.4	708.1	813.9	909.2	995.3	1073.5	1145.0	1210.1	1267.2	1315.6
20°	511.6	622.6	735.1	842.2	937.1	1022.7	1100.2	1171.6	1235.0	1290.2	1338.4
17.5°	531.3	645.0	758.7	865.0	960.0	1046.0	1123.9	1195.5	1257.4	1311.0	1358.1
15°	548.5	664.7	779.3	885.0	979.7	1065.4	1143.3	1214.1	1275.5	1328.7	1375.5
12.5°	563.2	681.4	796.9	902.1	996.6	1082.0	1159.9	1229.7	1290.1	1342.6	1388.4
10°	575.2	695.1	811.4	916.2	1010.5	1095.7	1173.6	1242.6	1302.2	1354.2	1399.2
7.5°	584.6	705.9	822.7	927.2	1021.4	1106.4	1184.4	1252.8	1311.7	1363.3	1407.6
5°	591.4	713.6	830.9	935.1	1029.2	1114.1	1192.2	1260.1	1318.6	1369.8	1413.8
2.5°	595.4	718.3	835.8	939.9	1033.9	1118.7	1196.8	1264.5	1322.7	1373.8	1417.5
0°	596.8	719.8	837.4	941.5	1035.5	1120.3	1198.4	1266.0	1324.1	1375.1	1418.7
-2.5°	595.4	718.3	835.8	939.9	1033.9	1118.7	1196.8	1264.5	1322.7	1373.8	1417.5
-5°	591.4	713.6	830.9	935.1	1029.2	1114.1	1192.2	1260.1	1318.6	1369.8	1413.8
-7.5°	584.6	705.9	822.7	927.2	1021.4	1106.4	1184.4	1252.8	1311.7	1363.3	1407.6
-10°	575.2	695.1	811.4	916.2	1010.5	1095.7	1173.6	1242.6	1302.2	1354.2	1399.2
-12.5°	563.2	681.4	796.9	902.1	996.6	1082.0	1159.9	1229.7	1290.1	1342.6	1388.4
-15°	548.5	664.7	779.3	885.0	979.7	1065.4	1143.3	1214.1	1275.5	1328.7	1375.5
-17.5°	531.3	645.0	758.7	865.0	960.0	1046.0	1123.9	1195.5	1257.4	1311.0	1358.1
-20°	511.6	622.6	735.1	842.2	937.1	1022.7	1100.2	1171.6	1235.0	1290.2	1338.4



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	489.5	597.4	708.1	813.9	909.2	995.3	1073.5	1145.0	1210.1	1267.2	1315.6
-25°	466.8	570.4	677.5	782.0	878.4	965.2	1044.2	1115.4	1180.5	1238.1	1288.6
-27.5°	443.7	540.9	644.2	747.2	845.0	931.6	1009.8	1081.1	1146.6	1206.6	1258.6
-30°	418.8	508.9	608.1	709.2	805.3	892.6	971.9	1044.4	1109.4	1169.1	1222.7
-32.5°	392.0	475.1	570.4	667.2	761.8	851.1	930.5	1002.0	1067.7	1128.0	1182.7
-35°	366.1	443.7	530.6	622.6	715.5	803.2	883.3	956.4	1022.4	1081.8	1136.9
-37.5°	342.7	410.6	488.5	576.2	664.7	750.9	833.2	905.0	971.5	1032.7	1086.6
-40°	318.1	375.7	449.0	528.3	611.4	695.1	774.7	849.8	916.0	976.5	1032.7
-42.5°	292.8	347.2	409.2	478.3	557.1	635.6	713.6	786.7	855.2	916.0	971.5
-45°	270.4	317.8	369.4	433.4	501.2	574.6	647.8	719.8	786.7	849.8	905.0
-47.5°	247.1	288.6	336.2	387.1	448.1	512.7	580.4	647.8	713.6	774.7	833.2
-50°	224.2	262.2	301.9	347.3	396.8	453.0	512.7	574.6	635.6	695.1	750.9
-52.5°	204.5	235.0	271.3	309.3	351.0	396.8	448.1	501.2	557.1	611.4	664.7
-55°	184.2	211.6	241.0	274.4	309.3	347.3	387.1	433.4	478.3	528.3	576.2
-57.5°	166.6	188.9	214.0	241.0	271.3	301.9	336.2	369.4	409.2	449.0	488.5
-60°	150.4	168.4	188.9	211.6	235.0	262.2	288.6	317.8	347.2	375.7	410.6
-62.5°	134.2	150.4	166.6	184.2	204.5	224.2	247.1	270.4	292.8	318.1	342.7
-65°	119.3	132.7	146.8	161.2	175.2	192.7	210.0	226.7	246.5	266.0	284.5
-67.5°	104.2	116.2	128.0	139.8	152.4	164.6	176.4	191.4	205.8	219.6	233.7
-70°	88.3	99.4	110.0	120.2	130.1	140.1	150.6	160.7	170.4	180.7	192.3
-72.5°	72.0	81.8	91.4	100.7	109.4	117.8	125.9	133.8	141.8	149.9	157.6
-75°	56.4	64.0	72.2	80.2	87.9	95.5	102.7	109.4	115.8	121.9	127.7
-77.5°	41.3	47.7	53.9	60.0	65.9	72.2	78.3	84.1	89.7	95.0	100.0
-80°	27.7	31.2	36.1	41.0	45.7	50.3	54.7	58.9	63.0	67.0	71.1
-82.5°	17.2	19.8	22.4	24.9	27.3	29.7	32.2	35.4	38.4	41.3	44.0
-85°	7.7	8.4	10.1	11.8	13.4	14.9	16.5	17.9	19.3	20.6	21.9
-87.5°	3.9	4.2	4.5	4.8	5.1	5.4	5.7	5.9	6.2	6.4	6.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645314 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1B-735-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	6.9	7.1	7.3	7.5	7.6	7.8	7.9	8.0	8.1	8.2	8.3
85°	23.1	24.2	25.2	26.2	27.1	27.9	28.6	29.3	29.8	30.3	30.7
82.5°	46.6	49.1	51.4	53.5	55.4	57.2	58.8	60.2	61.5	62.5	63.4
80°	74.9	78.5	81.8	84.9	87.8	90.4	92.7	94.8	96.6	98.2	99.4
77.5°	104.7	109.0	113.0	116.7	120.2	123.3	126.1	128.6	130.8	132.7	134.2
75°	133.2	138.6	144.1	149.2	153.9	158.1	162.0	165.4	168.4	170.9	173.0
72.5°	164.9	171.8	178.7	186.5	193.8	200.4	206.3	211.6	216.2	220.1	223.4
70°	203.3	213.7	223.4	233.4	243.9	253.5	262.2	269.9	276.6	282.3	287.0
67.5°	249.5	264.4	278.3	291.2	304.7	317.8	329.6	340.0	349.2	357.0	363.4
65°	303.5	323.4	342.1	359.4	375.7	394.6	411.7	427.0	440.2	451.5	460.9
62.5°	366.1	392.0	418.8	443.7	466.8	489.5	511.6	531.3	548.5	563.2	575.2
60°	443.7	475.1	508.9	540.9	570.4	597.4	622.6	645.0	664.7	681.4	695.1
57.5°	530.6	570.4	608.1	644.2	677.5	708.1	735.1	758.7	779.3	796.9	811.4
55°	622.6	667.2	709.2	747.2	782.0	813.9	842.2	865.0	885.0	902.1	916.2
52.5°	715.5	761.8	805.3	845.0	878.4	909.2	937.1	960.0	979.7	996.6	1010.5
50°	803.2	851.1	892.6	931.6	965.2	995.3	1022.7	1046.0	1065.4	1082.0	1095.7
47.5°	883.3	930.5	971.9	1009.8	1044.2	1073.5	1100.2	1123.9	1143.3	1159.9	1173.6
45°	956.4	1002.0	1044.4	1081.1	1115.4	1145.0	1171.6	1195.5	1214.1	1229.7	1242.6
42.5°	1022.4	1067.7	1109.4	1146.6	1180.5	1210.1	1235.0	1257.4	1275.5	1290.1	1302.2
40°	1081.8	1128.0	1169.1	1206.6	1238.1	1267.2	1290.2	1311.0	1328.7	1342.6	1354.2
37.5°	1136.9	1182.7	1222.7	1258.6	1288.6	1315.6	1338.4	1358.1	1375.5	1388.4	1399.2
35°	1187.3	1230.8	1270.3	1303.2	1333.0	1358.4	1380.9	1399.1	1415.2	1427.5	1437.3
32.5°	1230.8	1273.9	1310.6	1343.0	1372.1	1395.8	1417.3	1434.0	1448.7	1460.5	1469.6
30°	1270.3	1310.6	1346.3	1378.4	1404.9	1428.0	1447.4	1463.7	1477.3	1488.6	1496.6
27.5°	1303.2	1343.0	1378.4	1408.0	1433.4	1455.6	1473.4	1489.0	1500.9	1511.3	1518.1
25°	1333.0	1372.1	1404.9	1433.4	1458.0	1478.3	1495.2	1509.4	1519.9	1528.8	1533.9
22.5°	1358.4	1395.8	1428.0	1455.6	1478.3	1497.3	1513.2	1525.2	1533.8	1539.2	1542.2
20°	1380.9	1417.3	1447.4	1473.4	1495.2	1513.2	1527.1	1535.9	1541.9	1543.4	1544.3
17.5°	1399.1	1434.0	1463.7	1489.0	1509.4	1525.2	1535.9	1542.2	1544.0	1543.7	1542.8
15°	1415.2	1448.7	1477.3	1500.9	1519.9	1533.8	1541.9	1544.0	1543.5	1541.7	1538.9
12.5°	1427.5	1460.5	1488.6	1511.3	1528.8	1539.2	1543.4	1543.7	1541.7	1538.2	1534.2
10°	1437.3	1469.6	1496.6	1518.1	1533.9	1542.2	1544.3	1542.8	1538.9	1534.2	1529.9
7.5°	1445.1	1476.8	1502.9	1523.6	1537.2	1543.2	1543.6	1540.9	1536.1	1530.9	1526.2
5°	1450.7	1482.1	1507.5	1527.6	1539.7	1543.8	1543.2	1539.3	1533.8	1528.4	1524.0
2.5°	1454.1	1485.2	1510.4	1530.1	1541.2	1544.3	1542.9	1538.3	1532.4	1526.8	1522.6
0°	1455.2	1486.3	1511.3	1530.9	1541.7	1544.4	1542.8	1538.0	1531.9	1526.2	1522.1
-2.5°	1454.1	1485.2	1510.4	1530.1	1541.2	1544.3	1542.9	1538.3	1532.4	1526.8	1522.6
-5°	1450.7	1482.1	1507.5	1527.6	1539.7	1543.8	1543.2	1539.3	1533.8	1528.4	1524.0
-7.5°	1445.1	1476.8	1502.9	1523.6	1537.2	1543.2	1543.6	1540.9	1536.1	1530.9	1526.2
-10°	1437.3	1469.6	1496.6	1518.1	1533.9	1542.2	1544.3	1542.8	1538.9	1534.2	1529.9
-12.5°	1427.5	1460.5	1488.6	1511.3	1528.8	1539.2	1543.4	1543.7	1541.7	1538.2	1534.2
-15°	1415.2	1448.7	1477.3	1500.9	1519.9	1533.8	1541.9	1544.0	1543.5	1541.7	1538.9
-17.5°	1399.1	1434.0	1463.7	1489.0	1509.4	1525.2	1535.9	1542.2	1544.0	1543.7	1542.8
-20°	1380.9	1417.3	1447.4	1473.4	1495.2	1513.2	1527.1	1535.9	1541.9	1543.4	1544.3



REPORT NUMBER: P645314 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1B-735-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	1358.4	1395.8	1428.0	1455.6	1478.3	1497.3	1513.2	1525.2	1533.8	1539.2	1542.2
-25°	1333.0	1372.1	1404.9	1433.4	1458.0	1478.3	1495.2	1509.4	1519.9	1528.8	1533.9
-27.5°	1303.2	1343.0	1378.4	1408.0	1433.4	1455.6	1473.4	1489.0	1500.9	1511.3	1518.1
-30°	1270.3	1310.6	1346.3	1378.4	1404.9	1428.0	1447.4	1463.7	1477.3	1488.6	1496.6
-32.5°	1230.8	1273.9	1310.6	1343.0	1372.1	1395.8	1417.3	1434.0	1448.7	1460.5	1469.6
-35°	1187.3	1230.8	1270.3	1303.2	1333.0	1358.4	1380.9	1399.1	1415.2	1427.5	1437.3
-37.5°	1136.9	1182.7	1222.7	1258.6	1288.6	1315.6	1338.4	1358.1	1375.5	1388.4	1399.2
-40°	1081.8	1128.0	1169.1	1206.6	1238.1	1267.2	1290.2	1311.0	1328.7	1342.6	1354.2
-42.5°	1022.4	1067.7	1109.4	1146.6	1180.5	1210.1	1235.0	1257.4	1275.5	1290.1	1302.2
-45°	956.4	1002.0	1044.4	1081.1	1115.4	1145.0	1171.6	1195.5	1214.1	1229.7	1242.6
-47.5°	883.3	930.5	971.9	1009.8	1044.2	1073.5	1100.2	1123.9	1143.3	1159.9	1173.6
-50°	803.2	851.1	892.6	931.6	965.2	995.3	1022.7	1046.0	1065.4	1082.0	1095.7
-52.5°	715.5	761.8	805.3	845.0	878.4	909.2	937.1	960.0	979.7	996.6	1010.5
-55°	622.6	667.2	709.2	747.2	782.0	813.9	842.2	865.0	885.0	902.1	916.2
-57.5°	530.6	570.4	608.1	644.2	677.5	708.1	735.1	758.7	779.3	796.9	811.4
-60°	443.7	475.1	508.9	540.9	570.4	597.4	622.6	645.0	664.7	681.4	695.1
-62.5°	366.1	392.0	418.8	443.7	466.8	489.5	511.6	531.3	548.5	563.2	575.2
-65°	303.5	323.4	342.1	359.4	375.7	394.6	411.7	427.0	440.2	451.5	460.9
-67.5°	249.5	264.4	278.3	291.2	304.7	317.8	329.6	340.0	349.2	357.0	363.4
-70°	203.3	213.7	223.4	233.4	243.9	253.5	262.2	269.9	276.6	282.3	287.0
-72.5°	164.9	171.8	178.7	186.5	193.8	200.4	206.3	211.6	216.2	220.1	223.4
-75°	133.2	138.6	144.1	149.2	153.9	158.1	162.0	165.4	168.4	170.9	173.0
-77.5°	104.7	109.0	113.0	116.7	120.2	123.3	126.1	128.6	130.8	132.7	134.2
-80°	74.9	78.5	81.8	84.9	87.8	90.4	92.7	94.8	96.6	98.2	99.4
-82.5°	46.6	49.1	51.4	53.5	55.4	57.2	58.8	60.2	61.5	62.5	63.4
-85°	23.1	24.2	25.2	26.2	27.1	27.9	28.6	29.3	29.8	30.3	30.7
-87.5°	6.9	7.1	7.3	7.5	7.6	7.8	7.9	8.0	8.1	8.2	8.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645314 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1B-735-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	8.3	8.4	8.4	8.4	8.4	8.4	8.3	8.3	8.2	8.1	8.0
85°	31.0	31.2	31.4	31.4	31.4	31.2	31.0	30.7	30.3	29.8	29.3
82.5°	64.0	64.5	64.8	64.9	64.8	64.5	64.0	63.4	62.5	61.5	60.2
80°	100.4	101.1	101.6	101.7	101.6	101.1	100.4	99.4	98.2	96.6	94.8
77.5°	135.4	136.2	136.7	136.9	136.7	136.2	135.4	134.2	132.7	130.8	128.6
75°	174.6	175.8	176.5	176.7	176.5	175.8	174.6	173.0	170.9	168.4	165.4
72.5°	225.9	227.7	228.7	229.1	228.7	227.7	225.9	223.4	220.1	216.2	211.6
70°	290.7	293.3	294.9	295.4	294.9	293.3	290.7	287.0	282.3	276.6	269.9
67.5°	368.4	371.9	374.1	374.8	374.1	371.9	368.4	363.4	357.0	349.2	340.0
65°	468.1	473.3	476.5	477.5	476.5	473.3	468.1	460.9	451.5	440.2	427.0
62.5°	584.6	591.4	595.4	596.8	595.4	591.4	584.6	575.2	563.2	548.5	531.3
60°	705.9	713.6	718.3	719.8	718.3	713.6	705.9	695.1	681.4	664.7	645.0
57.5°	822.7	830.9	835.8	837.4	835.8	830.9	822.7	811.4	796.9	779.3	758.7
55°	927.2	935.1	939.9	941.5	939.9	935.1	927.2	916.2	902.1	885.0	865.0
52.5°	1021.4	1029.2	1033.9	1035.5	1033.9	1029.2	1021.4	1010.5	996.6	979.7	960.0
50°	1106.4	1114.1	1118.7	1120.3	1118.7	1114.1	1106.4	1095.7	1082.0	1065.4	1046.0
47.5°	1184.4	1192.2	1196.8	1198.4	1196.8	1192.2	1184.4	1173.6	1159.9	1143.3	1123.9
45°	1252.8	1260.1	1264.5	1266.0	1264.5	1260.1	1252.8	1242.6	1229.7	1214.1	1195.5
42.5°	1311.7	1318.6	1322.7	1324.1	1322.7	1318.6	1311.7	1302.2	1290.1	1275.5	1257.4
40°	1363.3	1369.8	1373.8	1375.1	1373.8	1369.8	1363.3	1354.2	1342.6	1328.7	1311.0
37.5°	1407.6	1413.8	1417.5	1418.7	1417.5	1413.8	1407.6	1399.2	1388.4	1375.5	1358.1
35°	1445.1	1450.7	1454.1	1455.2	1454.1	1450.7	1445.1	1437.3	1427.5	1415.2	1399.1
32.5°	1476.8	1482.1	1485.2	1486.3	1485.2	1482.1	1476.8	1469.6	1460.5	1448.7	1434.0
30°	1502.9	1507.5	1510.4	1511.3	1510.4	1507.5	1502.9	1496.6	1488.6	1477.3	1463.7
27.5°	1523.6	1527.6	1530.1	1530.9	1530.1	1527.6	1523.6	1518.1	1511.3	1500.9	1489.0
25°	1537.2	1539.7	1541.2	1541.7	1541.2	1539.7	1537.2	1533.9	1528.8	1519.9	1509.4
22.5°	1543.2	1543.8	1544.3	1544.4	1544.3	1543.8	1543.2	1542.2	1539.2	1533.8	1525.2
20°	1543.6	1543.2	1542.9	1542.8	1542.9	1543.2	1543.6	1544.3	1543.4	1541.9	1535.9
17.5°	1540.9	1539.3	1538.3	1538.0	1538.3	1539.3	1540.9	1542.8	1543.7	1544.0	1542.2
15°	1536.1	1533.8	1532.4	1531.9	1532.4	1533.8	1536.1	1538.9	1541.7	1543.5	1544.0
12.5°	1530.9	1528.4	1526.8	1526.2	1526.8	1528.4	1530.9	1534.2	1538.2	1541.7	1543.7
10°	1526.2	1524.0	1522.6	1522.1	1522.6	1524.0	1526.2	1529.9	1534.2	1538.9	1542.8
7.5°	1523.1	1521.2	1520.2	1519.8	1520.2	1521.2	1523.1	1526.2	1530.9	1536.1	1540.9
5°	1521.2	1519.3	1517.7	1517.1	1517.7	1519.3	1521.2	1524.0	1528.4	1533.8	1539.3
2.5°	1520.2	1517.7	1515.3	1514.0	1515.3	1517.7	1520.2	1522.6	1526.8	1532.4	1538.3
0°	1519.8	1517.1	1514.0	1514.4	1514.0	1517.1	1519.8	1522.1	1526.2	1531.9	1538.0
-2.5°	1520.2	1517.7	1515.3	1514.0	1515.3	1517.7	1520.2	1522.6	1526.8	1532.4	1538.3
-5°	1521.2	1519.3	1517.7	1517.1	1517.7	1519.3	1521.2	1524.0	1528.4	1533.8	1539.3
-7.5°	1523.1	1521.2	1520.2	1519.8	1520.2	1521.2	1523.1	1526.2	1530.9	1536.1	1540.9
-10°	1526.2	1524.0	1522.6	1522.1	1522.6	1524.0	1526.2	1529.9	1534.2	1538.9	1542.8
-12.5°	1530.9	1528.4	1526.8	1526.2	1526.8	1528.4	1530.9	1534.2	1538.2	1541.7	1543.7
-15°	1536.1	1533.8	1532.4	1531.9	1532.4	1533.8	1536.1	1538.9	1541.7	1543.5	1544.0
-17.5°	1540.9	1539.3	1538.3	1538.0	1538.3	1539.3	1540.9	1542.8	1543.7	1544.0	1542.2
-20°	1543.6	1543.2	1542.9	1542.8	1542.9	1543.2	1543.6	1544.3	1543.4	1541.9	1535.9

Classified

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



REPORT NUMBER: P645314 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA1B-735-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	1543.2	1543.8	1544.3	1544.4	1544.3	1543.8	1543.2	1542.2	1539.2	1533.8	1525.2
-25°	1537.2	1539.7	1541.2	1541.7	1541.2	1539.7	1537.2	1533.9	1528.8	1519.9	1509.4
-27.5°	1523.6	1527.6	1530.1	1530.9	1530.1	1527.6	1523.6	1518.1	1511.3	1500.9	1489.0
-30°	1502.9	1507.5	1510.4	1511.3	1510.4	1507.5	1502.9	1496.6	1488.6	1477.3	1463.7
-32.5°	1476.8	1482.1	1485.2	1486.3	1485.2	1482.1	1476.8	1469.6	1460.5	1448.7	1434.0
-35°	1445.1	1450.7	1454.1	1455.2	1454.1	1450.7	1445.1	1437.3	1427.5	1415.2	1399.1
-37.5°	1407.6	1413.8	1417.5	1418.7	1417.5	1413.8	1407.6	1399.2	1388.4	1375.5	1358.1
-40°	1363.3	1369.8	1373.8	1375.1	1373.8	1369.8	1363.3	1354.2	1342.6	1328.7	1311.0
-42.5°	1311.7	1318.6	1322.7	1324.1	1322.7	1318.6	1311.7	1302.2	1290.1	1275.5	1257.4
-45°	1252.8	1260.1	1264.5	1266.0	1264.5	1260.1	1252.8	1242.6	1229.7	1214.1	1195.5
-47.5°	1184.4	1192.2	1196.8	1198.4	1196.8	1192.2	1184.4	1173.6	1159.9	1143.3	1123.9
-50°	1106.4	1114.1	1118.7	1120.3	1118.7	1114.1	1106.4	1095.7	1082.0	1065.4	1046.0
-52.5°	1021.4	1029.2	1033.9	1035.5	1033.9	1029.2	1021.4	1010.5	996.6	979.7	960.0
-55°	927.2	935.1	939.9	941.5	939.9	935.1	927.2	916.2	902.1	885.0	865.0
-57.5°	822.7	830.9	835.8	837.4	835.8	830.9	822.7	811.4	796.9	779.3	758.7
-60°	705.9	713.6	718.3	719.8	718.3	713.6	705.9	695.1	681.4	664.7	645.0
-62.5°	584.6	591.4	595.4	596.8	595.4	591.4	584.6	575.2	563.2	548.5	531.3
-65°	468.1	473.3	476.5	477.5	476.5	473.3	468.1	460.9	451.5	440.2	427.0
-67.5°	368.4	371.9	374.1	374.8	374.1	371.9	368.4	363.4	357.0	349.2	340.0
-70°	290.7	293.3	294.9	295.4	294.9	293.3	290.7	287.0	282.3	276.6	269.9
-72.5°	225.9	227.7	228.7	229.1	228.7	227.7	225.9	223.4	220.1	216.2	211.6
-75°	174.6	175.8	176.5	176.7	176.5	175.8	174.6	173.0	170.9	168.4	165.4
-77.5°	135.4	136.2	136.7	136.9	136.7	136.2	135.4	134.2	132.7	130.8	128.6
-80°	100.4	101.1	101.6	101.7	101.6	101.1	100.4	99.4	98.2	96.6	94.8
-82.5°	64.0	64.5	64.8	64.9	64.8	64.5	64.0	63.4	62.5	61.5	60.2
-85°	31.0	31.2	31.4	31.4	31.4	31.2	31.0	30.7	30.3	29.8	29.3
-87.5°	8.3	8.4	8.4	8.4	8.4	8.4	8.3	8.3	8.2	8.1	8.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645314 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1B-735-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	7.9	7.8	7.6	7.5	7.3	7.1	6.9	6.7	6.4	6.2	5.9
85°	28.6	27.9	27.1	26.2	25.2	24.2	23.1	21.9	20.6	19.3	17.9
82.5°	58.8	57.2	55.4	53.5	51.4	49.1	46.6	44.0	41.3	38.4	35.4
80°	92.7	90.4	87.8	84.9	81.8	78.5	74.9	71.1	67.0	63.0	58.9
77.5°	126.1	123.3	120.2	116.7	113.0	109.0	104.7	100.0	95.0	89.7	84.1
75°	162.0	158.1	153.9	149.2	144.1	138.6	133.2	127.7	121.9	115.8	109.4
72.5°	206.3	200.4	193.8	186.5	178.7	171.8	164.9	157.6	149.9	141.8	133.8
70°	262.2	253.5	243.9	233.4	223.4	213.7	203.3	192.3	180.7	170.4	160.7
67.5°	329.6	317.8	304.7	291.2	278.3	264.4	249.5	233.7	219.6	205.8	191.4
65°	411.7	394.6	375.7	359.4	342.1	323.4	303.5	284.5	266.0	246.5	226.7
62.5°	511.6	489.5	466.8	443.7	418.8	392.0	366.1	342.7	318.1	292.8	270.4
60°	622.6	597.4	570.4	540.9	508.9	475.1	443.7	410.6	375.7	347.2	317.8
57.5°	735.1	708.1	677.5	644.2	608.1	570.4	530.6	488.5	449.0	409.2	369.4
55°	842.2	813.9	782.0	747.2	709.2	667.2	622.6	576.2	528.3	478.3	433.4
52.5°	937.1	909.2	878.4	845.0	805.3	761.8	715.5	664.7	611.4	557.1	501.2
50°	1022.7	995.3	965.2	931.6	892.6	851.1	803.2	750.9	695.1	635.6	574.6
47.5°	1100.2	1073.5	1044.2	1009.8	971.9	930.5	883.3	833.2	774.7	713.6	647.8
45°	1171.6	1145.0	1115.4	1081.1	1044.4	1002.0	956.4	905.0	849.8	786.7	719.8
42.5°	1235.0	1210.1	1180.5	1146.6	1109.4	1067.7	1022.4	971.5	916.0	855.2	786.7
40°	1290.2	1267.2	1238.1	1206.6	1169.1	1128.0	1081.8	1032.7	976.5	916.0	849.8
37.5°	1338.4	1315.6	1288.6	1258.6	1222.7	1182.7	1136.9	1086.6	1032.7	971.5	905.0
35°	1380.9	1358.4	1333.0	1303.2	1270.3	1230.8	1187.3	1136.9	1081.8	1022.4	956.4
32.5°	1417.3	1395.8	1372.1	1343.0	1310.6	1273.9	1230.8	1182.7	1128.0	1067.7	1002.0
30°	1447.4	1428.0	1404.9	1378.4	1346.3	1310.6	1270.3	1222.7	1169.1	1109.4	1044.4
27.5°	1473.4	1455.6	1433.4	1408.0	1378.4	1343.0	1303.2	1258.6	1206.6	1146.6	1081.1
25°	1495.2	1478.3	1458.0	1433.4	1404.9	1372.1	1333.0	1288.6	1238.1	1180.5	1115.4
22.5°	1513.2	1497.3	1478.3	1455.6	1428.0	1395.8	1358.4	1315.6	1267.2	1210.1	1145.0
20°	1527.1	1513.2	1495.2	1473.4	1447.4	1417.3	1380.9	1338.4	1290.2	1235.0	1171.6
17.5°	1535.9	1525.2	1509.4	1489.0	1463.7	1434.0	1399.1	1358.1	1311.0	1257.4	1195.5
15°	1541.9	1533.8	1519.9	1500.9	1477.3	1448.7	1415.2	1375.5	1328.7	1275.5	1214.1
12.5°	1543.4	1539.2	1528.8	1511.3	1488.6	1460.5	1427.5	1388.4	1342.6	1290.1	1229.7
10°	1544.3	1542.2	1533.9	1518.1	1496.6	1469.6	1437.3	1399.2	1354.2	1302.2	1242.6
7.5°	1543.6	1543.2	1537.2	1523.6	1502.9	1476.8	1445.1	1407.6	1363.3	1311.7	1252.8
5°	1543.2	1543.8	1539.7	1527.6	1507.5	1482.1	1450.7	1413.8	1369.8	1318.6	1260.1
2.5°	1542.9	1544.3	1541.2	1530.1	1510.4	1485.2	1454.1	1417.5	1373.8	1322.7	1264.5
0°	1542.8	1544.4	1541.7	1530.9	1511.3	1486.3	1455.2	1418.7	1375.1	1324.1	1266.0
-2.5°	1542.9	1544.3	1541.2	1530.1	1510.4	1485.2	1454.1	1417.5	1373.8	1322.7	1264.5
-5°	1543.2	1543.8	1539.7	1527.6	1507.5	1482.1	1450.7	1413.8	1369.8	1318.6	1260.1
-7.5°	1543.6	1543.2	1537.2	1523.6	1502.9	1476.8	1445.1	1407.6	1363.3	1311.7	1252.8
-10°	1544.3	1542.2	1533.9	1518.1	1496.6	1469.6	1437.3	1399.2	1354.2	1302.2	1242.6
-12.5°	1543.4	1539.2	1528.8	1511.3	1488.6	1460.5	1427.5	1388.4	1342.6	1290.1	1229.7
-15°	1541.9	1533.8	1519.9	1500.9	1477.3	1448.7	1415.2	1375.5	1328.7	1275.5	1214.1
-17.5°	1535.9	1525.2	1509.4	1489.0	1463.7	1434.0	1399.1	1358.1	1311.0	1257.4	1195.5
-20°	1527.1	1513.2	1495.2	1473.4	1447.4	1417.3	1380.9	1338.4	1290.2	1235.0	1171.6



REPORT NUMBER: P645314 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1B-735-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	1513.2	1497.3	1478.3	1455.6	1428.0	1395.8	1358.4	1315.6	1267.2	1210.1	1145.0
-25°	1495.2	1478.3	1458.0	1433.4	1404.9	1372.1	1333.0	1288.6	1238.1	1180.5	1115.4
-27.5°	1473.4	1455.6	1433.4	1408.0	1378.4	1343.0	1303.2	1258.6	1206.6	1146.6	1081.1
-30°	1447.4	1428.0	1404.9	1378.4	1346.3	1310.6	1270.3	1222.7	1169.1	1109.4	1044.4
-32.5°	1417.3	1395.8	1372.1	1343.0	1310.6	1273.9	1230.8	1182.7	1128.0	1067.7	1002.0
-35°	1380.9	1358.4	1333.0	1303.2	1270.3	1230.8	1187.3	1136.9	1081.8	1022.4	956.4
-37.5°	1338.4	1315.6	1288.6	1258.6	1222.7	1182.7	1136.9	1086.6	1032.7	971.5	905.0
-40°	1290.2	1267.2	1238.1	1206.6	1169.1	1128.0	1081.8	1032.7	976.5	916.0	849.8
-42.5°	1235.0	1210.1	1180.5	1146.6	1109.4	1067.7	1022.4	971.5	916.0	855.2	786.7
-45°	1171.6	1145.0	1115.4	1081.1	1044.4	1002.0	956.4	905.0	849.8	786.7	719.8
-47.5°	1100.2	1073.5	1044.2	1009.8	971.9	930.5	883.3	833.2	774.7	713.6	647.8
-50°	1022.7	995.3	965.2	931.6	892.6	851.1	803.2	750.9	695.1	635.6	574.6
-52.5°	937.1	909.2	878.4	845.0	805.3	761.8	715.5	664.7	611.4	557.1	501.2
-55°	842.2	813.9	782.0	747.2	709.2	667.2	622.6	576.2	528.3	478.3	433.4
-57.5°	735.1	708.1	677.5	644.2	608.1	570.4	530.6	488.5	449.0	409.2	369.4
-60°	622.6	597.4	570.4	540.9	508.9	475.1	443.7	410.6	375.7	347.2	317.8
-62.5°	511.6	489.5	466.8	443.7	418.8	392.0	366.1	342.7	318.1	292.8	270.4
-65°	411.7	394.6	375.7	359.4	342.1	323.4	303.5	284.5	266.0	246.5	226.7
-67.5°	329.6	317.8	304.7	291.2	278.3	264.4	249.5	233.7	219.6	205.8	191.4
-70°	262.2	253.5	243.9	233.4	223.4	213.7	203.3	192.3	180.7	170.4	160.7
-72.5°	206.3	200.4	193.8	186.5	178.7	171.8	164.9	157.6	149.9	141.8	133.8
-75°	162.0	158.1	153.9	149.2	144.1	138.6	133.2	127.7	121.9	115.8	109.4
-77.5°	126.1	123.3	120.2	116.7	113.0	109.0	104.7	100.0	95.0	89.7	84.1
-80°	92.7	90.4	87.8	84.9	81.8	78.5	74.9	71.1	67.0	63.0	58.9
-82.5°	58.8	57.2	55.4	53.5	51.4	49.1	46.6	44.0	41.3	38.4	35.4
-85°	28.6	27.9	27.1	26.2	25.2	24.2	23.1	21.9	20.6	19.3	17.9
-87.5°	7.9	7.8	7.6	7.5	7.3	7.1	6.9	6.7	6.4	6.2	5.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645314 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1B-735-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.7	5.4	5.1	4.8	4.5	4.2	3.9	3.5	3.2	2.9	2.5
85°	16.5	14.9	13.4	11.8	10.1	8.4	7.7	7.1	6.4	5.7	5.0
82.5°	32.2	29.7	27.3	24.9	22.4	19.8	17.2	14.5	11.7	8.9	7.6
80°	54.7	50.3	45.7	41.0	36.1	31.2	27.7	24.1	20.5	16.7	12.9
77.5°	78.3	72.2	65.9	60.0	53.9	47.7	41.3	34.7	29.1	24.5	19.7
75°	102.7	95.5	87.9	80.2	72.2	64.0	56.4	48.5	40.6	32.5	26.5
72.5°	125.9	117.8	109.4	100.7	91.4	81.8	72.0	62.2	52.9	43.5	33.9
70°	150.6	140.1	130.1	120.2	110.0	99.4	88.3	76.8	65.2	54.4	43.5
67.5°	176.4	164.6	152.4	139.8	128.0	116.2	104.2	91.5	78.5	65.2	52.9
65°	210.0	192.7	175.2	161.2	146.8	132.7	119.3	105.8	91.5	76.8	62.2
62.5°	247.1	224.2	204.5	184.2	166.6	150.4	134.2	119.3	104.2	88.3	72.0
60°	288.6	262.2	235.0	211.6	188.9	168.4	150.4	132.7	116.2	99.4	81.8
57.5°	336.2	301.9	271.3	241.0	214.0	188.9	166.6	146.8	128.0	110.0	91.4
55°	387.1	347.3	309.3	274.4	241.0	211.6	184.2	161.2	139.8	120.2	100.7
52.5°	448.1	396.8	351.0	309.3	271.3	235.0	204.5	175.2	152.4	130.1	109.4
50°	512.7	453.0	396.8	347.3	301.9	262.2	224.2	192.7	164.6	140.1	117.8
47.5°	580.4	512.7	448.1	387.1	336.2	288.6	247.1	210.0	176.4	150.6	125.9
45°	647.8	574.6	501.2	433.4	369.4	317.8	270.4	226.7	191.4	160.7	133.8
42.5°	713.6	635.6	557.1	478.3	409.2	347.2	292.8	246.5	205.8	170.4	141.8
40°	774.7	695.1	611.4	528.3	449.0	375.7	318.1	266.0	219.6	180.7	149.9
37.5°	833.2	750.9	664.7	576.2	488.5	410.6	342.7	284.5	233.7	192.3	157.6
35°	883.3	803.2	715.5	622.6	530.6	443.7	366.1	303.5	249.5	203.3	164.9
32.5°	930.5	851.1	761.8	667.2	570.4	475.1	392.0	323.4	264.4	213.7	171.8
30°	971.9	892.6	805.3	709.2	608.1	508.9	418.8	342.1	278.3	223.4	178.7
27.5°	1009.8	931.6	845.0	747.2	644.2	540.9	443.7	359.4	291.2	233.4	186.5
25°	1044.2	965.2	878.4	782.0	677.5	570.4	466.8	375.7	304.7	243.9	193.8
22.5°	1073.5	995.3	909.2	813.9	708.1	597.4	489.5	394.6	317.8	253.5	200.4
20°	1100.2	1022.7	937.1	842.2	735.1	622.6	511.6	411.7	329.6	262.2	206.3
17.5°	1123.9	1046.0	960.0	865.0	758.7	645.0	531.3	427.0	340.0	269.9	211.6
15°	1143.3	1065.4	979.7	885.0	779.3	664.7	548.5	440.2	349.2	276.6	216.2
12.5°	1159.9	1082.0	996.6	902.1	796.9	681.4	563.2	451.5	357.0	282.3	220.1
10°	1173.6	1095.7	1010.5	916.2	811.4	695.1	575.2	460.9	363.4	287.0	223.4
7.5°	1184.4	1106.4	1021.4	927.2	822.7	705.9	584.6	468.1	368.4	290.7	225.9
5°	1192.2	1114.1	1029.2	935.1	830.9	713.6	591.4	473.3	371.9	293.3	227.7
2.5°	1196.8	1118.7	1033.9	939.9	835.8	718.3	595.4	476.5	374.1	294.9	228.7
0°	1198.4	1120.3	1035.5	941.5	837.4	719.8	596.8	477.5	374.8	295.4	229.1
-2.5°	1196.8	1118.7	1033.9	939.9	835.8	718.3	595.4	476.5	374.1	294.9	228.7
-5°	1192.2	1114.1	1029.2	935.1	830.9	713.6	591.4	473.3	371.9	293.3	227.7
-7.5°	1184.4	1106.4	1021.4	927.2	822.7	705.9	584.6	468.1	368.4	290.7	225.9
-10°	1173.6	1095.7	1010.5	916.2	811.4	695.1	575.2	460.9	363.4	287.0	223.4
-12.5°	1159.9	1082.0	996.6	902.1	796.9	681.4	563.2	451.5	357.0	282.3	220.1
-15°	1143.3	1065.4	979.7	885.0	779.3	664.7	548.5	440.2	349.2	276.6	216.2
-17.5°	1123.9	1046.0	960.0	865.0	758.7	645.0	531.3	427.0	340.0	269.9	211.6
-20°	1100.2	1022.7	937.1	842.2	735.1	622.6	511.6	411.7	329.6	262.2	206.3



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1073.5	995.3	909.2	813.9	708.1	597.4	489.5	394.6	317.8	253.5	200.4
-25°	1044.2	965.2	878.4	782.0	677.5	570.4	466.8	375.7	304.7	243.9	193.8
-27.5°	1009.8	931.6	845.0	747.2	644.2	540.9	443.7	359.4	291.2	233.4	186.5
-30°	971.9	892.6	805.3	709.2	608.1	508.9	418.8	342.1	278.3	223.4	178.7
-32.5°	930.5	851.1	761.8	667.2	570.4	475.1	392.0	323.4	264.4	213.7	171.8
-35°	883.3	803.2	715.5	622.6	530.6	443.7	366.1	303.5	249.5	203.3	164.9
-37.5°	833.2	750.9	664.7	576.2	488.5	410.6	342.7	284.5	233.7	192.3	157.6
-40°	774.7	695.1	611.4	528.3	449.0	375.7	318.1	266.0	219.6	180.7	149.9
-42.5°	713.6	635.6	557.1	478.3	409.2	347.2	292.8	246.5	205.8	170.4	141.8
-45°	647.8	574.6	501.2	433.4	369.4	317.8	270.4	226.7	191.4	160.7	133.8
-47.5°	580.4	512.7	448.1	387.1	336.2	288.6	247.1	210.0	176.4	150.6	125.9
-50°	512.7	453.0	396.8	347.3	301.9	262.2	224.2	192.7	164.6	140.1	117.8
-52.5°	448.1	396.8	351.0	309.3	271.3	235.0	204.5	175.2	152.4	130.1	109.4
-55°	387.1	347.3	309.3	274.4	241.0	211.6	184.2	161.2	139.8	120.2	100.7
-57.5°	336.2	301.9	271.3	241.0	214.0	188.9	166.6	146.8	128.0	110.0	91.4
-60°	288.6	262.2	235.0	211.6	188.9	168.4	150.4	132.7	116.2	99.4	81.8
-62.5°	247.1	224.2	204.5	184.2	166.6	150.4	134.2	119.3	104.2	88.3	72.0
-65°	210.0	192.7	175.2	161.2	146.8	132.7	119.3	105.8	91.5	76.8	62.2
-67.5°	176.4	164.6	152.4	139.8	128.0	116.2	104.2	91.5	78.5	65.2	52.9
-70°	150.6	140.1	130.1	120.2	110.0	99.4	88.3	76.8	65.2	54.4	43.5
-72.5°	125.9	117.8	109.4	100.7	91.4	81.8	72.0	62.2	52.9	43.5	33.9
-75°	102.7	95.5	87.9	80.2	72.2	64.0	56.4	48.5	40.6	32.5	26.5
-77.5°	78.3	72.2	65.9	60.0	53.9	47.7	41.3	34.7	29.1	24.5	19.7
-80°	54.7	50.3	45.7	41.0	36.1	31.2	27.7	24.1	20.5	16.7	12.9
-82.5°	32.2	29.7	27.3	24.9	22.4	19.8	17.2	14.5	11.7	8.9	7.6
-85°	16.5	14.9	13.4	11.8	10.1	8.4	7.7	7.1	6.4	5.7	5.0
-87.5°	5.7	5.4	5.1	4.8	4.5	4.2	3.9	3.5	3.2	2.9	2.5
-90°	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):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.2	1.8	1.5	1.1	0.7	0.4	0.0
85°	4.3	3.6	2.9	2.2	1.5	0.7	0.0
82.5°	6.5	5.4	4.4	3.3	2.2	1.1	0.0
80°	9.1	7.2	5.8	4.4	2.9	1.5	0.0
77.5°	14.9	10.1	7.2	5.4	3.6	1.8	0.0
75°	20.7	14.9	9.1	6.5	4.3	2.2	0.0
72.5°	26.5	19.7	12.9	7.6	5.0	2.5	0.0
70°	32.5	24.5	16.7	8.9	5.7	2.9	0.0
67.5°	40.6	29.1	20.5	11.7	6.4	3.2	0.0
65°	48.5	34.7	24.1	14.5	7.1	3.5	0.0
62.5°	56.4	41.3	27.7	17.2	7.7	3.9	0.0
60°	64.0	47.7	31.2	19.8	8.4	4.2	0.0
57.5°	72.2	53.9	36.1	22.4	10.1	4.5	0.0
55°	80.2	60.0	41.0	24.9	11.8	4.8	0.0
52.5°	87.9	65.9	45.7	27.3	13.4	5.1	0.0
50°	95.5	72.2	50.3	29.7	14.9	5.4	0.0
47.5°	102.7	78.3	54.7	32.2	16.5	5.7	0.0
45°	109.4	84.1	58.9	35.4	17.9	5.9	0.0
42.5°	115.8	89.7	63.0	38.4	19.3	6.2	0.0
40°	121.9	95.0	67.0	41.3	20.6	6.4	0.0
37.5°	127.7	100.0	71.1	44.0	21.9	6.7	0.0
35°	133.2	104.7	74.9	46.6	23.1	6.9	0.0
32.5°	138.6	109.0	78.5	49.1	24.2	7.1	0.0
30°	144.1	113.0	81.8	51.4	25.2	7.3	0.0
27.5°	149.2	116.7	84.9	53.5	26.2	7.5	0.0
25°	153.9	120.2	87.8	55.4	27.1	7.6	0.0
22.5°	158.1	123.3	90.4	57.2	27.9	7.8	0.0
20°	162.0	126.1	92.7	58.8	28.6	7.9	0.0
17.5°	165.4	128.6	94.8	60.2	29.3	8.0	0.0
15°	168.4	130.8	96.6	61.5	29.8	8.1	0.0
12.5°	170.9	132.7	98.2	62.5	30.3	8.2	0.0
10°	173.0	134.2	99.4	63.4	30.7	8.3	0.0
7.5°	174.6	135.4	100.4	64.0	31.0	8.3	0.0
5°	175.8	136.2	101.1	64.5	31.2	8.4	0.0
2.5°	176.5	136.7	101.6	64.8	31.4	8.4	0.0
0°	176.7	136.9	101.7	64.9	31.4	8.4	0.0
-2.5°	176.5	136.7	101.6	64.8	31.4	8.4	0.0
-5°	175.8	136.2	101.1	64.5	31.2	8.4	0.0
-7.5°	174.6	135.4	100.4	64.0	31.0	8.3	0.0
-10°	173.0	134.2	99.4	63.4	30.7	8.3	0.0
-12.5°	170.9	132.7	98.2	62.5	30.3	8.2	0.0
-15°	168.4	130.8	96.6	61.5	29.8	8.1	0.0
-17.5°	165.4	128.6	94.8	60.2	29.3	8.0	0.0
-20°	162.0	126.1	92.7	58.8	28.6	7.9	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	158.1	123.3	90.4	57.2	27.9	7.8	0.0
-25°	153.9	120.2	87.8	55.4	27.1	7.6	0.0
-27.5°	149.2	116.7	84.9	53.5	26.2	7.5	0.0
-30°	144.1	113.0	81.8	51.4	25.2	7.3	0.0
-32.5°	138.6	109.0	78.5	49.1	24.2	7.1	0.0
-35°	133.2	104.7	74.9	46.6	23.1	6.9	0.0
-37.5°	127.7	100.0	71.1	44.0	21.9	6.7	0.0
-40°	121.9	95.0	67.0	41.3	20.6	6.4	0.0
-42.5°	115.8	89.7	63.0	38.4	19.3	6.2	0.0
-45°	109.4	84.1	58.9	35.4	17.9	5.9	0.0
-47.5°	102.7	78.3	54.7	32.2	16.5	5.7	0.0
-50°	95.5	72.2	50.3	29.7	14.9	5.4	0.0
-52.5°	87.9	65.9	45.7	27.3	13.4	5.1	0.0
-55°	80.2	60.0	41.0	24.9	11.8	4.8	0.0
-57.5°	72.2	53.9	36.1	22.4	10.1	4.5	0.0
-60°	64.0	47.7	31.2	19.8	8.4	4.2	0.0
-62.5°	56.4	41.3	27.7	17.2	7.7	3.9	0.0
-65°	48.5	34.7	24.1	14.5	7.1	3.5	0.0
-67.5°	40.6	29.1	20.5	11.7	6.4	3.2	0.0
-70°	32.5	24.5	16.7	8.9	5.7	2.9	0.0
-72.5°	26.5	19.7	12.9	7.6	5.0	2.5	0.0
-75°	20.7	14.9	9.1	6.5	4.3	2.2	0.0
-77.5°	14.9	10.1	7.2	5.4	3.6	1.8	0.0
-80°	9.1	7.2	5.8	4.4	2.9	1.5	0.0
-82.5°	6.5	5.4	4.4	3.3	2.2	1.1	0.0
-85°	4.3	3.6	2.9	2.2	1.5	0.7	0.0
-87.5°	2.2	1.8	1.5	1.1	0.7	0.4	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)