

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: P645481 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA4D-735-U-LAM-VSR-XX

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-2019
Report Number: P645481 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-22)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 5/4/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA4D-735-U-LAM-VSR-XX
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, LAMBERTIAN WITH VISOR
Light Source: (64) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

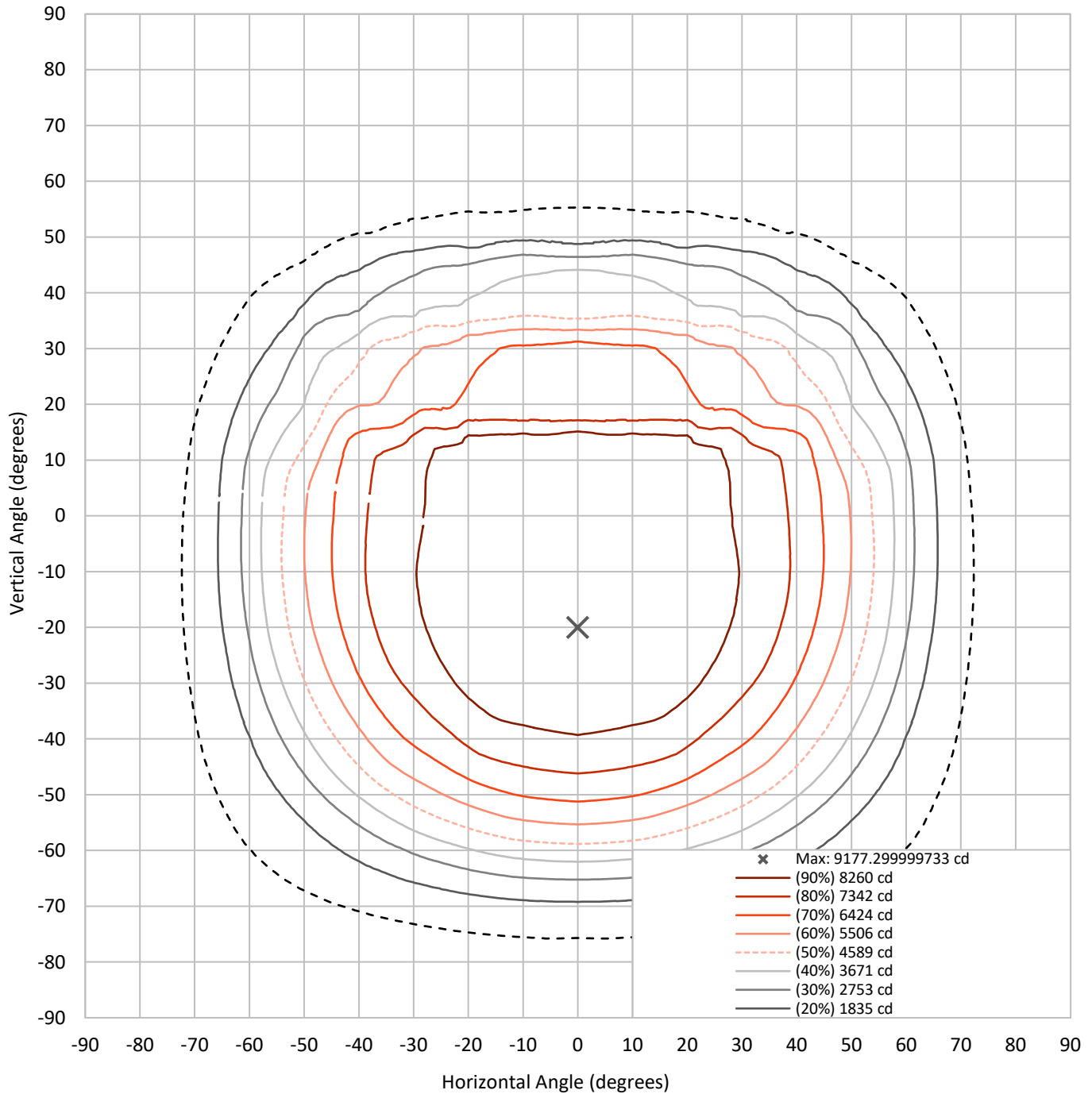
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	21519 lumens	Max Intensity:	9177.3 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -20°V
Efficacy:	97.2 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')		
Beam Angle (50%):	105.6°H x 93.7°V	Field Angle (10%):	144°H x 131.2°V
Beam Lumens:	16822.2 lumens	Field Lumens:	21091.6 lumens
Beam Efficiency:	78.2%	Field Efficiency:	98.0%
Input Watts (W):	221.4		
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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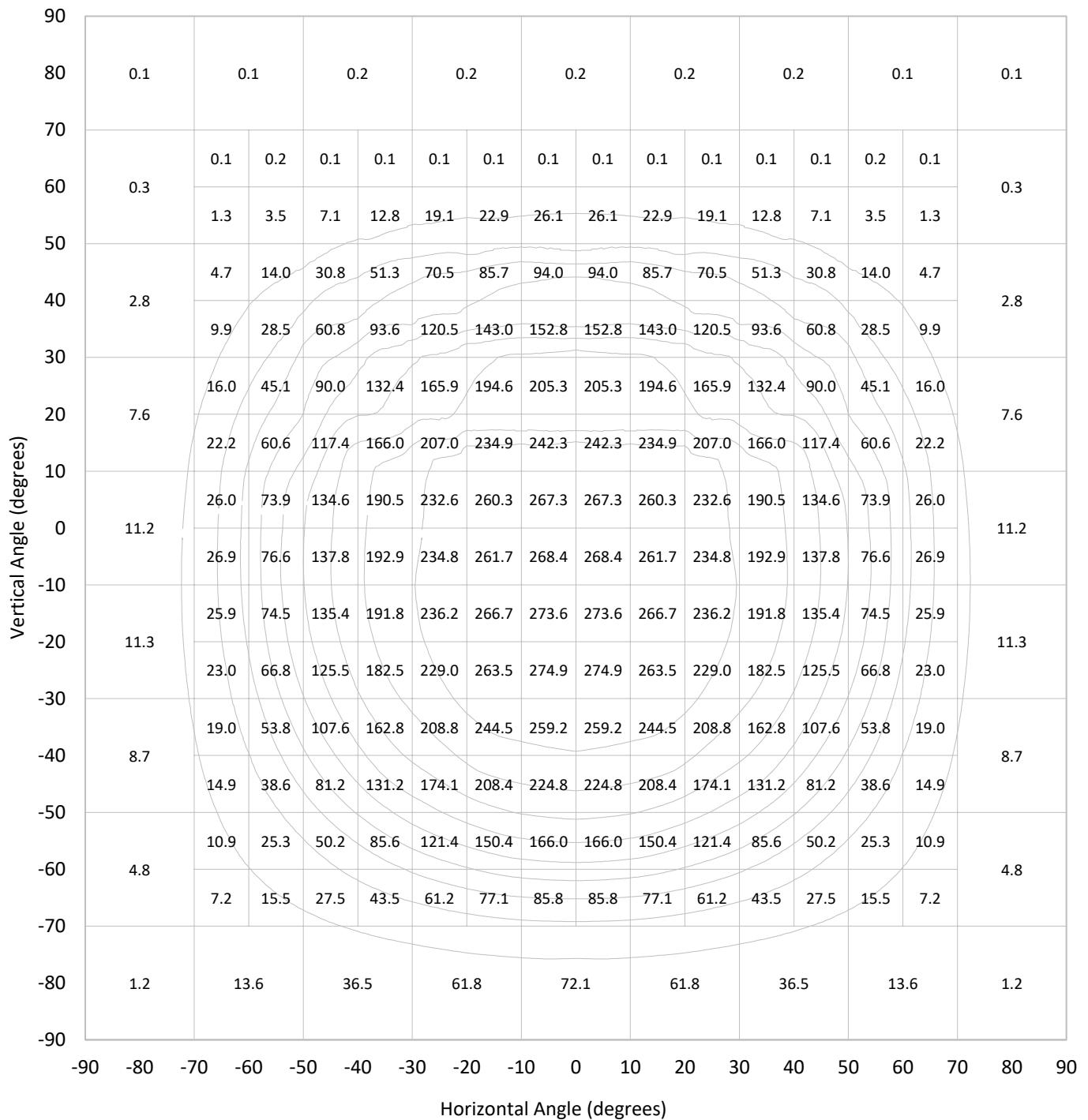
Iso-Candela Plot





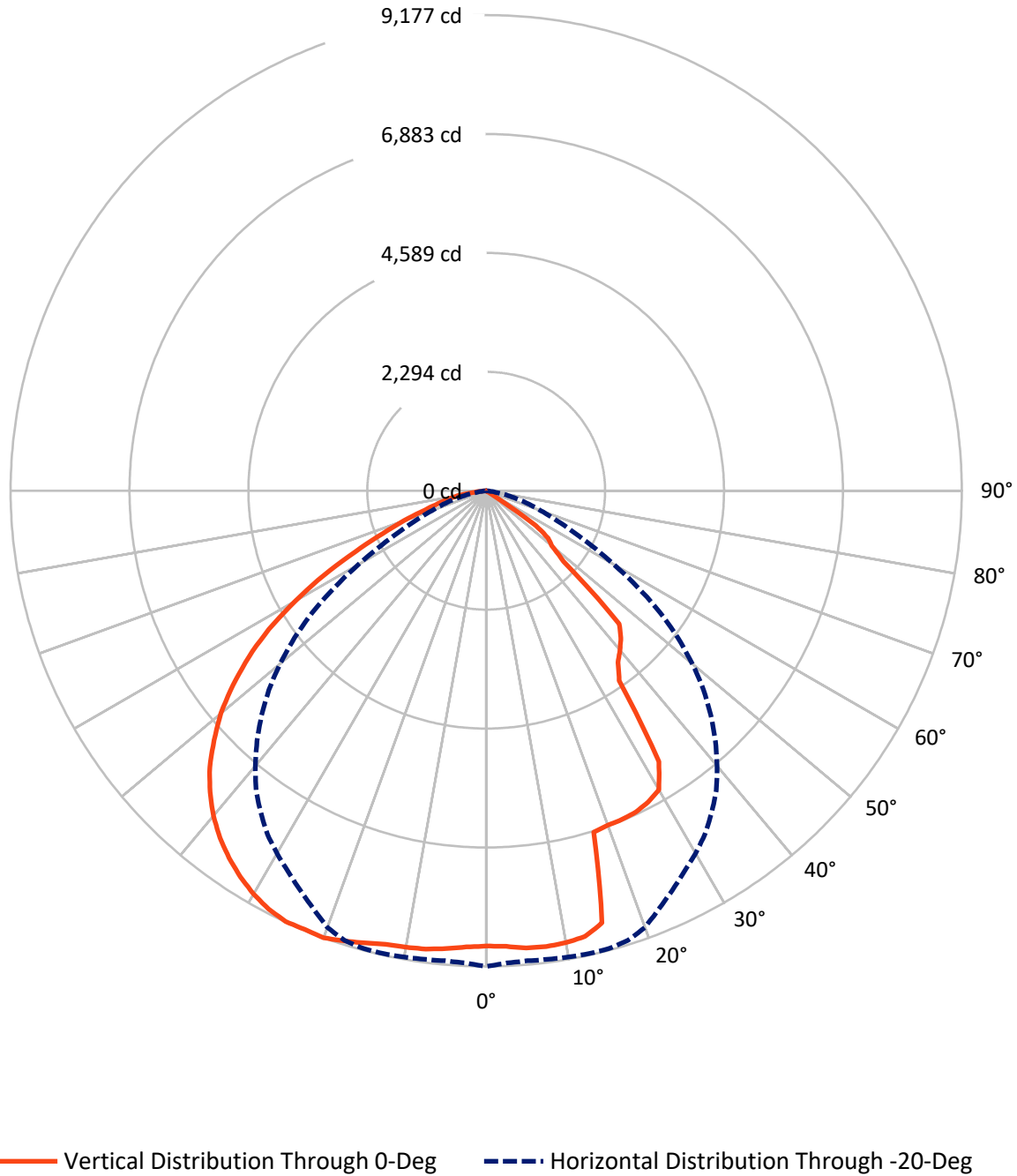
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Lumen Table



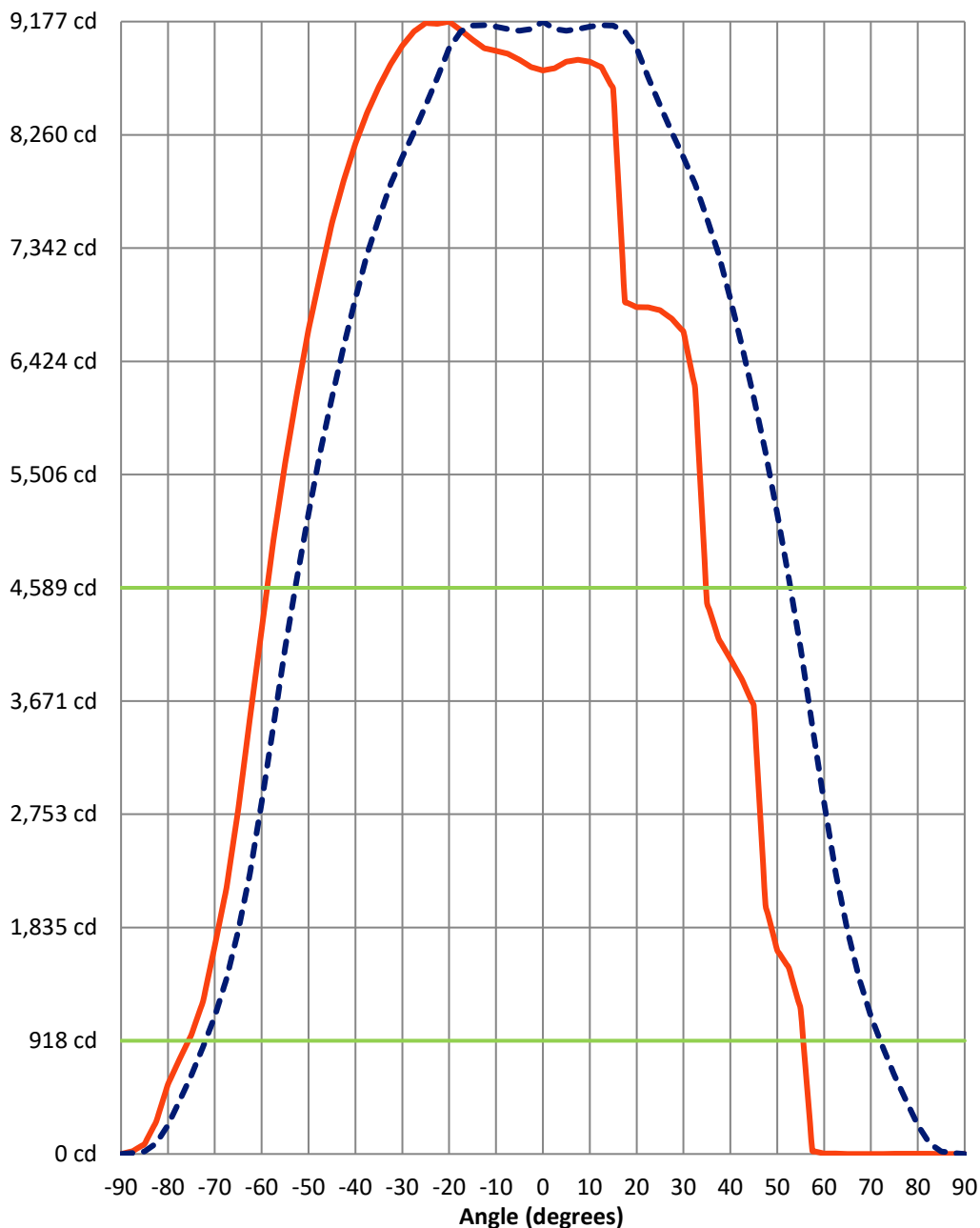
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 105.6°
 V Angle: 93.7°
 Lumens: 16822.2
 Efficiency: 78.2%

Field:
 H Angle: 144°
 V Angle: 131.2°
 Lumens: 21091.6
 Efficiency: 98.0%

Spill:
 Lumens: 427.4
 Efficiency: 2.0%

— Vertical Distribution through 0-Deg
 - - - Horizontal Distribution through -20-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	0.2	0.3	0.5	0.7	0.8	1.0	1.0	1.0	0.9	0.8
85°	0.0	0.4	0.7	1.0	1.4	1.7	2.0	2.1	2.0	1.9	1.7
82.5°	0.0	0.6	1.0	1.5	2.0	2.5	3.0	3.1	3.0	2.5	2.0
80°	0.0	0.9	1.4	2.0	2.7	3.4	3.9	3.5	3.0	2.5	2.1
77.5°	0.0	1.1	1.7	2.5	3.4	3.9	3.9	3.5	3.0	2.6	2.1
75°	0.0	1.3	2.1	3.0	3.9	4.1	4.0	3.5	3.1	2.6	2.1
72.5°	0.0	1.5	2.4	3.5	4.1	4.2	4.0	3.6	3.1	2.7	2.2
70°	0.0	1.7	2.7	3.9	4.3	4.4	4.1	3.6	3.2	2.7	3.1
67.5°	0.0	1.9	3.1	4.1	4.5	4.5	4.6	3.7	3.3	4.4	4.4
65°	0.0	2.1	3.5	4.3	4.7	5.2	5.3	3.7	5.2	6.1	7.7
62.5°	0.0	2.3	3.8	4.5	4.9	6.5	6.1	5.2	7.3	10.7	17.1
60°	0.0	2.5	4.2	4.7	5.2	7.9	7.2	7.4	9.4	27.2	29.6
57.5°	0.0	2.7	4.4	5.0	6.7	9.4	13.4	10.5	26.6	46.2	53.7
55°	0.0	2.9	4.6	5.2	8.3	11.1	21.4	16.9	49.4	71.3	86.9
52.5°	0.0	3.1	4.8	5.4	10.0	14.3	30.7	42.9	74.2	111.9	126.1
50°	0.0	3.3	5.1	5.6	11.8	24.4	41.4	72.5	106.1	157.1	196.9
47.5°	0.0	3.5	5.3	6.1	13.7	35.2	55.6	103.5	152.8	206.9	269.4
45°	0.0	3.7	5.5	7.6	15.7	46.8	83.9	136.0	205.2	269.6	339.7
42.5°	0.0	3.9	5.8	9.1	17.7	59.1	112.8	177.2	258.4	330.7	420.8
40°	0.0	4.0	6.0	11.0	23.8	72.2	142.4	224.0	313.3	390.6	507.6
37.5°	0.0	4.2	6.3	13.4	34.0	85.9	172.6	270.9	370.8	462.7	598.2
35°	0.0	4.4	6.5	16.0	44.4	106.7	203.2	317.9	429.3	551.2	705.3
32.5°	0.0	4.5	6.8	18.9	54.9	130.9	236.4	364.6	488.5	640.2	835.6
30°	0.0	4.7	7.1	22.0	65.5	154.8	274.4	411.8	548.2	729.4	960.6
27.5°	0.0	4.8	7.3	25.3	78.6	178.5	311.6	461.0	613.8	818.4	1080.0
25°	0.0	5.0	7.6	28.8	92.0	201.8	348.0	509.6	687.8	915.7	1193.9
22.5°	0.0	5.1	7.8	32.4	105.3	225.6	383.3	557.4	760.3	1012.9	1309.2
20°	0.0	5.2	8.1	36.2	118.6	251.1	417.3	604.2	831.0	1104.7	1421.6
17.5°	0.0	5.3	8.3	40.0	131.6	275.8	451.1	649.7	899.4	1190.7	1530.6
15°	0.0	5.4	8.6	43.8	144.3	299.5	483.5	692.0	965.1	1271.0	1635.3
12.5°	0.0	5.5	8.8	47.6	156.6	322.1	513.8	729.7	1017.6	1345.4	1734.8
10°	0.0	5.6	9.0	51.4	168.3	343.4	541.9	764.4	1056.7	1390.0	1816.0
7.5°	0.0	5.7	9.2	55.0	179.4	363.4	567.8	796.1	1089.9	1424.6	1863.3
5°	0.0	5.8	9.4	58.5	189.8	381.8	591.2	824.6	1117.7	1452.4	1901.8
2.5°	0.0	5.9	9.6	61.7	199.2	398.5	612.3	849.9	1140.2	1473.9	1931.2
0°	0.0	5.9	9.8	64.7	207.7	413.4	630.9	871.9	1157.9	1489.1	1951.4
-2.5°	0.0	6.2	11.3	68.9	215.6	422.8	640.1	884.7	1164.3	1508.3	1964.6
-5°	0.0	6.6	12.8	72.8	222.3	430.3	646.9	894.2	1166.5	1520.8	1968.8
-7.5°	0.0	6.9	14.3	76.2	227.8	435.7	651.2	900.0	1164.9	1525.8	1964.4
-10°	0.0	7.2	15.7	79.3	232.0	439.1	653.2	902.2	1159.9	1522.8	1952.0
-12.5°	0.0	7.4	17.1	81.8	234.7	440.5	652.8	900.7	1151.9	1510.5	1930.6
-15°	0.0	7.7	18.3	83.8	236.1	439.8	650.3	895.5	1142.8	1486.6	1899.5
-17.5°	0.0	7.9	19.5	85.3	235.9	437.2	645.5	884.7	1131.6	1456.7	1859.0
-20°	0.0	8.1	20.6	86.1	234.2	432.6	638.1	869.2	1115.8	1421.0	1809.1

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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	8.2	21.6	86.4	230.9	426.0	627.5	850.7	1095.2	1379.9	1749.9
-25°	0.0	8.4	22.5	86.0	226.0	415.7	614.3	829.2	1069.8	1333.6	1681.3
-27.5°	0.0	8.4	23.2	84.9	219.4	403.0	598.7	804.8	1039.4	1288.8	1620.5
-30°	0.0	8.5	23.8	83.2	211.2	388.4	580.7	777.6	1006.3	1250.9	1555.7
-32.5°	0.0	8.5	24.3	80.7	201.6	372.2	560.2	752.4	971.1	1207.0	1486.3
-35°	0.0	8.5	24.6	77.6	190.9	354.2	538.0	725.9	933.1	1157.4	1412.6
-37.5°	0.0	8.5	24.8	73.7	179.1	336.2	514.2	696.6	892.3	1101.9	1339.9
-40°	0.0	8.4	24.8	69.1	166.3	319.9	488.6	664.5	849.0	1049.5	1268.1
-42.5°	0.0	8.3	24.7	64.2	156.6	302.4	461.1	629.8	807.1	994.1	1190.8
-45°	0.0	8.1	24.4	59.1	150.0	283.8	432.0	593.9	764.2	935.1	1110.7
-47.5°	0.0	7.9	23.9	53.4	142.2	264.1	401.2	557.9	718.3	873.1	1041.4
-50°	0.0	7.7	23.3	51.5	133.2	243.4	375.4	520.1	667.5	816.3	968.8
-52.5°	0.0	7.4	22.6	50.5	123.0	221.7	349.6	480.7	618.9	757.7	894.4
-55°	0.0	7.1	21.7	48.9	111.8	205.2	322.9	440.8	570.2	697.5	828.3
-57.5°	0.0	6.7	20.7	46.8	99.5	188.5	295.1	409.1	519.8	639.9	760.7
-60°	0.0	6.3	19.5	44.1	86.5	170.3	266.9	374.1	469.4	581.7	693.2
-62.5°	0.0	5.9	18.3	41.0	80.4	150.6	241.1	335.9	422.8	521.8	627.2
-65°	0.0	5.5	17.0	37.4	73.4	129.6	213.5	296.4	373.3	461.8	559.5
-67.5°	0.0	5.0	15.6	33.4	65.6	112.1	184.2	257.1	321.3	399.1	486.5
-70°	0.0	4.5	14.1	29.0	57.0	98.1	153.2	216.9	274.6	333.5	408.7
-72.5°	0.0	4.0	12.5	25.5	47.8	83.0	129.6	175.9	227.2	279.2	331.9
-75°	0.0	3.5	10.9	22.2	38.1	67.1	106.0	141.7	178.8	224.2	270.2
-77.5°	0.0	2.9	9.2	18.7	31.5	50.3	81.1	109.5	139.1	171.0	207.5
-80°	0.0	2.4	7.4	15.1	25.4	38.3	55.4	76.7	99.6	124.3	150.9
-82.5°	0.0	1.8	5.6	11.4	19.2	29.0	40.7	49.3	59.5	76.9	95.7
-85°	0.0	1.2	3.8	7.6	12.9	19.4	27.3	32.9	38.8	44.9	51.2
-87.5°	0.0	0.6	1.9	3.8	6.5	9.7	13.7	16.5	19.4	22.5	25.6
-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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 CATALOG NUMBER: GFLD-SA4D-735-U-LAM-VSR-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°	0.9	1.0	1.1	1.1	1.2	1.3	1.4	1.4	1.5	1.5	1.6
85°	1.8	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
82.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
80°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
77.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
75°	2.0	2.0	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0
72.5°	2.3	2.5	2.5	2.2	2.0	2.0	2.0	2.0	2.0	2.0	2.0
70°	3.1	3.2	2.8	2.3	2.0	2.1	2.3	2.2	2.0	2.0	2.0
67.5°	3.8	3.3	2.9	2.7	2.7	3.0	2.9	2.4	2.0	2.0	2.1
65°	3.9	3.4	4.9	5.5	4.1	3.5	3.0	2.5	2.7	2.8	2.8
62.5°	5.8	7.3	9.3	16.5	12.4	3.6	6.5	7.6	5.6	4.6	4.9
60°	19.1	13.0	38.6	55.3	34.5	12.6	15.4	51.2	44.4	8.2	27.7
57.5°	40.2	55.2	101.7	103.5	71.6	49.4	143.7	166.0	125.6	73.3	112.1
55°	88.6	136.1	168.6	156.1	170.4	258.2	306.7	275.6	232.0	356.8	455.9
52.5°	173.0	221.5	232.5	267.0	382.2	439.2	420.8	450.0	583.6	724.8	755.5
50°	255.4	295.1	326.0	471.4	561.6	567.3	609.2	741.5	919.7	1006.1	985.2
47.5°	335.1	376.2	520.2	659.9	700.4	755.9	860.5	1116.0	1304.7	1308.4	1287.1
45°	419.3	529.1	712.9	804.1	869.8	977.0	1229.8	1582.1	1600.4	1651.6	1966.5
42.5°	509.5	701.8	862.2	956.9	1063.1	1263.3	1600.5	1831.7	1911.2	2135.3	2388.5
40°	655.4	868.6	1008.7	1129.8	1266.3	1558.4	1927.8	2144.4	2209.0	2403.0	2593.3
37.5°	803.5	1007.9	1164.9	1311.1	1500.2	1894.4	2321.9	2500.4	2533.1	2568.6	2990.4
35°	946.1	1150.7	1338.7	1529.9	1761.9	2329.4	2703.0	2870.9	2865.8	3105.2	3546.9
32.5°	1079.4	1296.7	1518.6	1774.4	2157.1	2738.5	3112.2	3212.8	3365.3	3713.8	4316.6
30°	1212.5	1459.6	1714.4	2019.1	2503.9	3007.9	3434.5	3596.3	3857.6	4255.3	4694.1
27.5°	1349.6	1626.6	1934.7	2291.8	2777.6	3240.9	3605.3	3991.9	4245.7	4602.1	4914.2
25°	1486.2	1803.4	2152.2	2530.1	2973.3	3405.1	3782.0	4228.3	4501.0	4788.3	5079.5
22.5°	1629.4	1982.7	2376.6	2719.0	3138.3	3544.7	3993.3	4477.5	4832.0	5014.5	5210.1
20°	1779.1	2176.6	2596.8	2976.1	3301.1	3674.3	4205.5	4793.8	5251.4	5456.8	5483.7
17.5°	1926.6	2364.5	2816.3	3227.0	3577.4	3909.6	4428.2	5172.8	5741.7	5932.8	6017.7
15°	2070.5	2545.3	3034.6	3471.1	3855.8	4262.0	4815.8	5572.9	6223.4	6434.8	6568.5
12.5°	2209.4	2717.6	3249.4	3707.1	4134.4	4590.0	5167.8	5860.8	6454.6	6863.5	7108.7
10°	2341.8	2880.3	3457.8	3933.7	4409.8	4894.2	5459.0	6075.3	6558.7	6953.1	7301.2
7.5°	2408.6	2986.7	3636.9	4149.3	4678.3	5175.4	5697.5	6226.5	6633.6	7020.5	7357.0
5°	2453.9	3030.4	3692.9	4224.4	4820.9	5363.0	5869.8	6325.8	6682.5	7066.0	7394.8
2.5°	2486.3	3058.7	3730.7	4265.5	4874.5	5420.7	5919.5	6359.0	6722.9	7098.5	7435.2
0°	2505.9	3072.2	3750.1	4290.8	4908.0	5458.6	5948.4	6371.6	6749.7	7114.2	7476.6
-2.5°	2517.0	3113.3	3762.9	4355.8	4940.4	5491.3	5988.8	6401.9	6797.0	7143.8	7507.1
-5°	2515.6	3137.8	3759.5	4399.5	4955.9	5504.1	6008.9	6415.6	6822.7	7166.0	7519.6
-7.5°	2501.9	3143.5	3742.5	4413.2	4956.5	5499.8	6000.1	6422.1	6822.3	7186.3	7520.7
-10°	2477.6	3121.3	3726.9	4377.8	4937.5	5477.4	5973.0	6407.7	6806.3	7182.2	7514.2
-12.5°	2448.9	3075.4	3694.3	4326.8	4898.9	5435.8	5931.9	6371.0	6776.5	7151.5	7499.2
-15°	2405.8	3014.5	3640.6	4262.1	4840.1	5375.1	5878.5	6311.1	6730.5	7097.7	7454.8
-17.5°	2347.9	2939.0	3565.0	4185.3	4760.9	5296.0	5810.0	6232.1	6649.5	7028.9	7373.5
-20°	2274.9	2849.5	3466.9	4097.9	4660.3	5189.8	5687.8	6129.8	6544.5	6930.4	7292.5



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 CATALOG NUMBER: GFLD-SA4D-735-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	2186.7	2746.7	3348.8	3980.1	4534.9	5058.4	5550.3	5999.5	6429.2	6802.4	7188.2
-25°	2098.3	2638.0	3218.2	3816.9	4389.1	4910.4	5403.8	5841.4	6280.5	6668.8	7035.3
-27.5°	2013.7	2511.9	3066.7	3637.2	4223.9	4742.7	5231.7	5669.6	6095.9	6520.4	6873.3
-30°	1918.7	2366.0	2900.5	3445.5	4017.4	4545.6	5038.3	5492.6	5898.3	6317.5	6696.4
-32.5°	1813.8	2211.3	2725.0	3249.3	3788.6	4328.4	4816.5	5267.8	5689.9	6086.4	6484.1
-35°	1711.3	2086.3	2539.0	3038.6	3546.1	4075.8	4564.2	5011.1	5449.2	5841.9	6222.0
-37.5°	1619.1	1950.9	2341.3	2818.6	3303.5	3804.6	4301.2	4733.9	5150.8	5582.6	5953.2
-40°	1519.4	1805.5	2170.2	2592.0	3049.0	3525.5	4001.1	4448.7	4840.6	5267.3	5674.9
-42.5°	1414.9	1687.2	2001.2	2352.1	2783.6	3232.8	3691.9	4129.7	4536.6	4939.2	5343.1
-45°	1323.4	1561.9	1829.4	2150.0	2501.3	2923.7	3358.5	3794.9	4185.4	4569.1	4968.0
-47.5°	1226.1	1436.0	1683.3	1939.4	2244.7	2598.0	3006.8	3409.3	3809.0	4174.1	4527.1
-50°	1129.1	1322.7	1525.9	1756.4	2008.4	2294.7	2634.2	3008.5	3373.6	3748.4	4098.0
-52.5°	1045.6	1203.4	1387.0	1579.4	1795.1	2032.0	2304.1	2611.4	2943.5	3261.6	3610.4
-55°	958.9	1101.2	1249.4	1418.8	1598.3	1798.2	2021.2	2279.6	2532.9	2827.1	3111.9
-57.5°	879.9	999.9	1126.2	1266.1	1422.0	1582.0	1776.9	1977.9	2207.8	2436.5	2662.0
-60°	805.4	903.4	1010.6	1129.0	1254.3	1396.7	1542.2	1714.8	1900.0	2082.5	2273.8
-62.5°	730.2	812.7	900.1	998.4	1107.7	1215.3	1339.5	1472.5	1608.8	1763.4	1914.3
-65°	653.0	719.6	793.8	875.3	962.5	1054.1	1149.5	1248.0	1364.0	1477.3	1587.0
-67.5°	570.9	628.0	687.9	752.2	825.3	897.3	969.1	1052.2	1137.6	1221.5	1308.5
-70°	480.0	533.8	583.8	635.8	690.2	746.6	807.9	868.9	929.1	992.0	1061.7
-72.5°	387.5	437.0	481.0	519.4	564.1	610.9	655.8	698.6	744.0	791.7	839.0
-75°	309.1	341.8	381.0	416.9	452.4	485.4	514.9	551.3	589.2	623.9	652.4
-77.5°	241.2	270.9	297.8	321.8	350.1	383.2	412.0	436.7	460.8	487.1	514.9
-80°	175.5	200.1	224.6	246.8	263.1	281.8	303.9	329.2	351.1	368.9	385.2
-82.5°	113.3	131.1	149.3	167.8	175.4	180.6	185.4	194.2	207.8	221.1	233.9
-85°	56.4	61.6	72.7	84.1	88.1	90.8	92.7	93.8	98.4	102.6	106.3
-87.5°	28.2	30.8	33.4	36.0	34.6	32.8	30.5	27.8	27.1	26.3	25.3
-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):

	-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°	1.6	1.7	1.7	1.8	1.8	1.4	0.9	0.5	0.0	0.0	0.0
85°	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.4	1.0
82.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
80°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
77.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
75°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
72.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
70°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
67.5°	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.8	1.3
65°	2.8	2.7	2.8	2.7	2.4	2.4	2.5	2.4	2.2	1.7	1.2
62.5°	4.9	5.5	4.4	4.3	4.2	4.1	4.0	3.7	3.5	3.3	3.4
60°	30.7	18.2	10.6	12.4	11.1	7.4	9.4	11.0	11.2	10.2	9.0
57.5°	170.3	127.2	94.1	224.8	225.5	107.6	129.6	203.8	167.9	55.1	51.2
55°	473.8	566.6	745.7	708.3	719.9	828.0	904.1	800.4	784.7	836.1	965.9
52.5°	851.2	939.7	999.9	1056.3	1124.9	1198.7	1274.6	1323.0	1368.1	1416.3	1444.9
50°	1086.9	1211.7	1297.4	1265.8	1443.4	1516.0	1442.3	1508.2	1588.6	1610.7	1621.0
47.5°	1604.9	1787.9	1824.2	1942.1	2048.0	2045.8	1955.9	1961.1	2200.5	2411.6	2515.3
45°	2306.5	2312.7	2427.8	2635.9	2784.7	2737.9	2863.5	3149.0	3244.0	3335.9	3411.2
42.5°	2579.8	2693.1	2876.6	3060.7	3171.7	3267.9	3360.9	3465.8	3589.2	3689.3	3769.3
40°	2844.4	2935.7	3123.7	3272.0	3363.8	3453.7	3562.0	3678.3	3791.2	3879.1	3939.2
37.5°	3251.8	3322.5	3368.3	3505.9	3679.7	3599.5	3805.1	3952.5	4019.8	4109.1	4117.2
35°	3868.1	3821.0	3760.0	4307.8	4340.6	4155.6	4347.8	4576.3	4455.9	4706.7	4841.6
32.5°	4414.4	4407.3	4885.5	5173.5	5007.8	5143.0	5586.2	5566.5	5861.8	5998.9	5959.9
30°	4929.1	5104.7	5381.3	5595.7	5624.5	5837.7	6034.5	6206.8	6385.2	6545.0	6556.0
27.5°	5190.4	5419.6	5607.3	5731.4	5869.9	6049.3	6227.9	6422.1	6573.7	6673.9	6698.4
25°	5348.5	5582.6	5724.7	5858.3	6011.2	6166.0	6366.0	6577.4	6699.2	6761.1	6780.8
22.5°	5487.8	5698.2	5851.0	5959.4	6123.9	6290.5	6476.9	6655.9	6788.3	6815.2	6825.1
20°	5621.9	5824.1	6079.3	6238.8	6230.9	6418.6	6598.2	6740.6	6850.9	6850.3	6852.9
17.5°	6010.0	6082.1	6545.2	6896.8	6722.8	6631.0	7125.0	7134.3	7163.6	7105.3	6978.9
15°	6584.5	6715.9	7284.8	7666.0	7546.0	7539.7	8253.2	8076.3	8228.6	8188.7	8360.1
12.5°	7193.1	7348.6	7773.8	8148.1	8326.4	8370.2	8608.6	8831.9	8877.8	8859.6	8826.0
10°	7607.7	7829.3	8000.0	8227.2	8407.1	8590.6	8728.6	8889.0	8941.6	8911.2	8868.2
7.5°	7661.7	7880.7	8081.2	8280.5	8451.8	8599.6	8742.9	8873.4	8926.9	8909.3	8879.8
5°	7696.0	7894.4	8088.8	8291.0	8454.8	8591.7	8734.5	8866.8	8898.3	8877.1	8848.3
2.5°	7717.2	7900.8	8088.1	8289.5	8438.3	8568.7	8713.2	8854.3	8854.1	8844.7	8827.9
0°	7727.4	7911.6	8129.1	8311.3	8477.8	8601.3	8744.3	8881.4	8871.6	8846.2	8816.8
-2.5°	7749.4	7936.1	8158.0	8309.0	8496.7	8609.8	8757.7	8876.4	8871.9	8859.3	8844.8
-5°	7769.1	7979.0	8186.6	8345.4	8533.6	8681.4	8828.4	8921.3	8926.2	8908.8	8884.3
-7.5°	7781.1	8013.7	8211.8	8371.3	8553.8	8725.7	8874.8	8972.2	8974.4	8951.2	8921.9
-10°	7777.1	8022.7	8226.6	8391.4	8578.3	8748.1	8903.9	9027.5	9023.5	9001.4	8976.4
-12.5°	7762.4	8007.7	8217.1	8382.4	8594.7	8769.4	8944.7	9067.6	9074.2	9057.7	9030.6
-15°	7730.1	7983.4	8187.0	8367.6	8575.6	8780.0	8960.1	9095.6	9119.8	9106.3	9084.9
-17.5°	7666.3	7933.6	8149.6	8344.1	8543.7	8761.5	8966.3	9114.6	9147.7	9142.3	9124.6
-20°	7582.4	7858.3	8077.5	8281.4	8498.7	8723.0	8961.4	9096.9	9144.9	9147.9	9135.9



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	7488.3	7758.4	7991.0	8191.4	8427.0	8654.1	8870.0	9028.7	9109.3	9124.3	9125.3
-25°	7375.5	7653.0	7884.1	8097.5	8316.7	8551.2	8769.3	8946.5	9028.2	9067.3	9079.4
-27.5°	7216.0	7502.8	7730.3	7955.9	8178.8	8421.1	8650.3	8843.0	8909.4	8963.2	8984.7
-30°	7029.2	7312.9	7544.8	7751.0	8006.1	8253.1	8489.7	8657.7	8758.0	8819.4	8853.0
-32.5°	6814.5	7100.8	7344.2	7559.5	7802.0	8049.0	8271.6	8448.8	8587.1	8657.9	8693.8
-35°	6581.7	6873.9	7128.7	7355.6	7583.8	7819.3	8049.9	8235.3	8392.8	8453.7	8498.6
-37.5°	6300.7	6623.2	6884.4	7118.4	7335.3	7556.5	7796.7	8008.7	8161.6	8220.7	8268.1
-40°	6012.7	6324.4	6587.8	6837.4	7051.8	7293.4	7524.8	7747.0	7879.7	7948.6	8002.2
-42.5°	5708.6	5990.1	6240.7	6483.1	6721.9	6970.6	7201.8	7432.7	7547.6	7630.6	7696.4
-45°	5357.5	5619.5	5863.0	6089.9	6336.0	6580.5	6811.9	7016.0	7152.6	7260.7	7344.7
-47.5°	4889.6	5208.7	5453.2	5669.0	5913.0	6148.9	6373.1	6565.0	6714.8	6841.2	6938.8
-50°	4414.3	4720.5	4996.3	5238.7	5465.1	5683.3	5896.7	6084.4	6242.9	6379.9	6478.8
-52.5°	3946.2	4233.1	4506.8	4757.0	4974.7	5180.6	5375.9	5564.7	5731.8	5878.3	5974.0
-55°	3417.2	3714.5	3985.2	4218.6	4436.0	4639.6	4832.4	5011.5	5176.0	5325.2	5416.9
-57.5°	2921.1	3181.9	3433.7	3649.1	3854.3	4048.3	4231.0	4402.5	4560.8	4701.2	4789.6
-60°	2465.0	2655.2	2871.9	3070.8	3252.7	3417.7	3588.3	3748.1	3893.6	4017.0	4099.4
-62.5°	2061.9	2219.5	2375.9	2527.2	2674.8	2823.0	2965.8	3098.4	3220.0	3321.1	3393.3
-65°	1702.7	1829.3	1942.5	2049.7	2151.9	2268.9	2377.4	2479.5	2574.0	2651.5	2706.5
-67.5°	1402.0	1491.0	1569.3	1642.9	1723.5	1806.1	1883.6	1951.0	2008.8	2054.7	2091.0
-70°	1130.6	1196.1	1255.1	1313.8	1372.7	1426.4	1477.6	1527.3	1574.4	1612.9	1641.7
-72.5°	885.5	930.2	970.4	1015.6	1057.9	1098.7	1134.1	1162.8	1185.0	1206.6	1225.5
-75°	675.1	708.7	754.0	792.3	823.9	851.9	877.5	900.3	920.4	938.2	953.9
-77.5°	543.0	571.5	600.4	628.3	655.3	675.4	694.0	712.6	730.9	746.7	760.6
-80°	402.4	423.7	446.0	468.4	490.7	501.8	510.7	518.8	526.1	535.5	544.3
-82.5°	246.0	258.1	270.5	283.0	295.6	298.7	299.8	299.5	297.8	294.5	289.3
-85°	109.5	110.2	109.8	108.6	106.5	102.1	96.8	90.7	83.8	82.8	81.5
-87.5°	24.1	23.6	22.9	22.2	21.3	21.3	21.2	21.1	20.9	21.5	22.2
-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: P645481 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-735-U-LAM-VSR-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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
85°	0.5	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.4	1.9	1.9
82.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
80°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
77.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
75°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
72.5°	2.0	2.0	1.1	0.0	1.1	2.0	2.0	2.0	2.0	2.0	2.0
70°	2.0	2.0	1.1	0.0	1.1	2.0	2.0	2.0	2.0	2.0	2.0
67.5°	0.7	0.2	0.0	0.0	0.0	0.2	0.7	1.3	1.8	2.0	2.0
65°	0.7	0.1	0.0	0.0	0.0	0.1	0.7	1.2	1.7	2.2	2.4
62.5°	3.6	3.7	3.9	3.9	3.9	3.7	3.6	3.4	3.3	3.5	3.7
60°	7.1	4.6	3.9	3.9	3.9	4.6	7.1	9.0	10.2	11.2	11.0
57.5°	43.3	32.3	27.5	25.5	27.5	32.3	43.3	51.2	55.1	167.9	203.8
55°	1058.8	1112.8	1153.0	1171.7	1153.0	1112.8	1058.8	965.9	836.1	784.7	800.4
52.5°	1470.2	1493.6	1507.1	1506.7	1507.1	1493.6	1470.2	1444.9	1416.3	1368.1	1323.0
50°	1638.7	1650.1	1654.2	1651.7	1654.2	1650.1	1638.7	1621.0	1610.7	1588.6	1508.2
47.5°	2420.5	2211.0	2057.0	2020.0	2057.0	2211.0	2420.5	2515.3	2411.6	2200.5	1961.1
45°	3447.4	3526.8	3606.0	3630.6	3606.0	3526.8	3447.4	3411.2	3335.9	3244.0	3149.0
42.5°	3803.0	3828.9	3843.5	3844.1	3843.5	3828.9	3803.0	3769.3	3689.3	3589.2	3465.8
40°	3972.7	3997.1	4011.3	4012.6	4011.3	3997.1	3972.7	3939.2	3879.1	3791.2	3678.3
37.5°	4126.9	4147.7	4161.3	4175.2	4161.3	4147.7	4126.9	4117.2	4109.1	4019.8	3952.5
35°	4823.4	4665.6	4438.7	4473.0	4438.7	4665.6	4823.4	4841.6	4706.7	4455.9	4576.3
32.5°	6021.0	6087.3	6128.6	6199.2	6128.6	6087.3	6021.0	5959.9	5998.9	5861.8	5566.5
30°	6573.5	6595.4	6628.6	6663.5	6628.6	6595.4	6573.5	6556.0	6545.0	6385.2	6206.8
27.5°	6711.4	6734.1	6754.2	6769.3	6754.2	6734.1	6711.4	6698.4	6673.9	6573.7	6422.1
25°	6783.6	6797.7	6819.1	6837.9	6819.1	6797.7	6783.6	6780.8	6761.1	6699.2	6577.4
22.5°	6819.4	6820.9	6837.6	6861.4	6837.6	6820.9	6819.4	6825.1	6815.2	6788.3	6655.9
20°	6844.0	6830.6	6848.0	6863.4	6848.0	6830.6	6844.0	6852.9	6850.3	6850.9	6740.6
17.5°	7157.3	6978.5	6905.1	6906.5	6905.1	6978.5	7157.3	6978.9	7105.3	7163.6	7134.3
15°	8167.7	8234.8	8491.8	8630.7	8491.8	8234.8	8167.7	8360.1	8188.7	8228.6	8076.3
12.5°	8819.7	8795.9	8765.4	8807.0	8765.4	8795.9	8819.7	8826.0	8859.6	8877.8	8831.9
10°	8850.0	8847.3	8792.8	8852.1	8792.8	8847.3	8850.0	8868.2	8911.2	8941.6	8889.0
7.5°	8831.4	8833.1	8810.0	8867.7	8810.0	8833.1	8831.4	8879.8	8909.3	8926.9	8873.4
5°	8843.7	8803.9	8818.9	8852.1	8818.9	8803.9	8843.7	8848.3	8877.1	8898.3	8866.8
2.5°	8809.5	8805.4	8776.0	8799.2	8776.0	8805.4	8809.5	8827.9	8844.7	8854.1	8854.3
0°	8783.5	8761.9	8761.9	8781.5	8761.9	8761.9	8783.5	8816.8	8846.2	8871.6	8881.4
-2.5°	8829.8	8825.3	8822.5	8808.9	8822.5	8825.3	8829.8	8844.8	8859.3	8871.9	8876.4
-5°	8867.9	8856.2	8824.2	8867.7	8824.2	8856.2	8867.9	8884.3	8908.8	8926.2	8921.3
-7.5°	8908.9	8879.1	8848.6	8916.7	8848.6	8879.1	8908.9	8921.9	8951.2	8974.4	8972.2
-10°	8946.3	8903.3	8873.6	8940.2	8873.6	8903.3	8946.3	8976.4	9001.4	9023.5	9027.5
-12.5°	8995.8	8945.5	8925.6	8961.8	8925.6	8945.5	8995.8	9030.6	9057.7	9074.2	9067.6
-15°	9048.5	9013.7	9009.0	9030.3	9009.0	9013.7	9048.5	9084.9	9106.3	9119.8	9095.6
-17.5°	9094.9	9070.4	9082.5	9106.8	9082.5	9070.4	9094.9	9124.6	9142.3	9147.7	9114.6
-20°	9117.0	9103.3	9116.9	9177.3	9116.9	9103.3	9117.0	9135.9	9147.9	9144.9	9096.9



REPORT NUMBER: P645481 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-735-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	9115.1	9116.0	9139.9	9159.7	9139.9	9116.0	9115.1	9125.3	9124.3	9109.3	9028.7
-25°	9080.3	9098.7	9126.1	9165.5	9126.1	9098.7	9080.3	9079.4	9067.3	9028.2	8946.5
-27.5°	8996.5	9026.9	9055.6	9097.0	9055.6	9026.9	8996.5	8984.7	8963.2	8909.4	8843.0
-30°	8875.2	8911.4	8937.0	8981.4	8937.0	8911.4	8875.2	8853.0	8819.4	8758.0	8657.7
-32.5°	8727.6	8768.5	8798.9	8830.5	8798.9	8768.5	8727.6	8693.8	8657.9	8587.1	8448.8
-35°	8543.0	8587.2	8619.4	8648.3	8619.4	8587.2	8543.0	8498.6	8453.7	8392.8	8235.3
-37.5°	8321.4	8368.9	8405.7	8438.6	8405.7	8368.9	8321.4	8268.1	8220.7	8161.6	8008.7
-40°	8063.1	8111.9	8151.1	8187.9	8151.1	8111.9	8063.1	8002.2	7948.6	7879.7	7747.0
-42.5°	7761.2	7810.4	7850.9	7888.1	7850.9	7810.4	7761.2	7696.4	7630.6	7547.6	7432.7
-45°	7412.5	7463.2	7505.9	7545.2	7505.9	7463.2	7412.5	7344.7	7260.7	7152.6	7016.0
-47.5°	7010.9	7065.1	7101.7	7120.0	7101.7	7065.1	7010.9	6938.8	6841.2	6714.8	6565.0
-50°	6550.5	6604.7	6648.7	6681.2	6648.7	6604.7	6550.5	6478.8	6379.9	6242.9	6084.4
-52.5°	6043.8	6095.4	6133.2	6156.1	6133.2	6095.4	6043.8	5974.0	5878.3	5731.8	5564.7
-55°	5489.0	5543.1	5578.9	5595.7	5578.9	5543.1	5489.0	5416.9	5325.2	5176.0	5011.5
-57.5°	4859.7	4911.1	4949.2	4970.7	4949.2	4911.1	4859.7	4789.6	4701.2	4560.8	4402.5
-60°	4163.6	4209.5	4238.4	4249.7	4238.4	4209.5	4163.6	4099.4	4017.0	3893.6	3748.1
-62.5°	3451.5	3495.0	3522.1	3532.6	3522.1	3495.0	3451.5	3393.3	3321.1	3220.0	3098.4
-65°	2747.5	2774.7	2789.8	2792.0	2789.8	2774.7	2747.5	2706.5	2651.5	2574.0	2479.5
-67.5°	2119.7	2140.4	2153.0	2157.2	2153.0	2140.4	2119.7	2091.0	2054.7	2008.8	1951.0
-70°	1663.2	1677.5	1685.5	1686.9	1685.5	1677.5	1663.2	1641.7	1612.9	1574.4	1527.3
-72.5°	1240.0	1250.3	1246.7	1238.3	1246.7	1250.3	1240.0	1225.5	1206.6	1185.0	1162.8
-75°	967.4	978.6	973.9	965.9	973.9	978.6	967.4	953.9	938.2	920.4	900.3
-77.5°	772.7	783.0	778.0	770.0	778.0	783.0	772.7	760.6	746.7	730.9	712.6
-80°	551.8	557.9	562.2	564.3	562.2	557.9	551.8	544.3	535.5	526.1	518.8
-82.5°	282.5	274.2	268.9	262.5	268.9	274.2	282.5	289.3	294.5	297.8	299.5
-85°	79.9	78.0	79.2	80.3	79.2	78.0	79.9	81.5	82.8	83.8	90.7
-87.5°	22.8	23.4	23.5	23.5	23.5	23.4	22.8	22.2	21.5	20.9	21.1
-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: P645481 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	0.9	1.4	1.8	1.8	1.7	1.7	1.6	1.6	1.5	1.5	1.4
85°	1.9	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
82.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
80°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
77.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
75°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
72.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
70°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.2
67.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.0	2.0	2.4
65°	2.5	2.4	2.4	2.7	2.8	2.7	2.8	2.8	2.8	2.7	2.5
62.5°	4.0	4.1	4.2	4.3	4.4	5.5	4.9	4.9	4.6	5.6	7.6
60°	9.4	7.4	11.1	12.4	10.6	18.2	30.7	27.7	8.2	44.4	51.2
57.5°	129.6	107.6	225.5	224.8	94.1	127.2	170.3	112.1	73.3	125.6	166.0
55°	904.1	828.0	719.9	708.3	745.7	566.6	473.8	455.9	356.8	232.0	275.6
52.5°	1274.6	1198.7	1124.9	1056.3	999.9	939.7	851.2	755.5	724.8	583.6	450.0
50°	1442.3	1516.0	1443.4	1265.8	1297.4	1211.7	1086.9	985.2	1006.1	919.7	741.5
47.5°	1955.9	2045.8	2048.0	1942.1	1824.2	1787.9	1604.9	1287.1	1308.4	1304.7	1116.0
45°	2863.5	2737.9	2784.7	2635.9	2427.8	2312.7	2306.5	1966.5	1651.6	1600.4	1582.1
42.5°	3360.9	3267.9	3171.7	3060.7	2876.6	2693.1	2579.8	2388.5	2135.3	1911.2	1831.7
40°	3562.0	3453.7	3363.8	3272.0	3123.7	2935.7	2844.4	2593.3	2403.0	2209.0	2144.4
37.5°	3805.1	3599.5	3679.7	3505.9	3368.3	3322.5	3251.8	2990.4	2568.6	2533.1	2500.4
35°	4347.8	4155.6	4340.6	4307.8	3760.0	3821.0	3868.1	3546.9	3105.2	2865.8	2870.9
32.5°	5586.2	5143.0	5007.8	5173.5	4885.5	4407.3	4414.4	4316.6	3713.8	3365.3	3212.8
30°	6034.5	5837.7	5624.5	5595.7	5381.3	5104.7	4929.1	4694.1	4255.3	3857.6	3596.3
27.5°	6227.9	6049.3	5869.9	5731.4	5607.3	5419.6	5190.4	4914.2	4602.1	4245.7	3991.9
25°	6366.0	6166.0	6011.2	5858.3	5724.7	5582.6	5348.5	5079.5	4788.3	4501.0	4228.3
22.5°	6476.9	6290.5	6123.9	5959.4	5851.0	5698.2	5487.8	5210.1	5014.5	4832.0	4477.5
20°	6598.2	6418.6	6230.9	6238.8	6079.3	5824.1	5621.9	5483.7	5456.8	5251.4	4793.8
17.5°	7125.0	6631.0	6722.8	6896.8	6545.2	6082.1	6010.0	6017.7	5932.8	5741.7	5172.8
15°	8253.2	7539.7	7546.0	7666.0	7284.8	6715.9	6584.5	6568.5	6434.8	6223.4	5572.9
12.5°	8608.6	8370.2	8326.4	8148.1	7773.8	7348.6	7193.1	7108.7	6863.5	6454.6	5860.8
10°	8728.6	8590.6	8407.1	8227.2	8000.0	7829.3	7607.7	7301.2	6953.1	6558.7	6075.3
7.5°	8742.9	8599.6	8451.8	8280.5	8081.2	7880.7	7661.7	7357.0	7020.5	6633.6	6226.5
5°	8734.5	8591.7	8454.8	8291.0	8088.8	7894.4	7696.0	7394.8	7066.0	6682.5	6325.8
2.5°	8713.2	8568.7	8438.3	8289.5	8088.1	7900.8	7717.2	7435.2	7098.5	6722.9	6359.0
0°	8744.3	8601.3	8477.8	8311.3	8129.1	7911.6	7727.4	7476.6	7114.2	6749.7	6371.6
-2.5°	8757.7	8609.8	8496.7	8309.0	8158.0	7936.1	7749.4	7507.1	7143.8	6797.0	6401.9
-5°	8828.4	8681.4	8533.6	8345.4	8186.6	7979.0	7769.1	7519.6	7166.0	6822.7	6415.6
-7.5°	8874.8	8725.7	8553.8	8371.3	8211.8	8013.7	7781.1	7520.7	7186.3	6822.3	6422.1
-10°	8903.9	8748.1	8578.3	8391.4	8226.6	8022.7	7777.1	7514.2	7182.2	6806.3	6407.7
-12.5°	8944.7	8769.4	8594.7	8382.4	8217.1	8007.7	7762.4	7499.2	7151.5	6776.5	6371.0
-15°	8960.1	8780.0	8575.6	8367.6	8187.0	7983.4	7730.1	7454.8	7097.7	6730.5	6311.1
-17.5°	8966.3	8761.5	8543.7	8344.1	8149.6	7933.6	7666.3	7373.5	7028.9	6649.5	6232.1
-20°	8961.4	8723.0	8498.7	8281.4	8077.5	7858.3	7582.4	7292.5	6930.4	6544.5	6129.8



REPORT NUMBER: P645481 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-735-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	8870.0	8654.1	8427.0	8191.4	7991.0	7758.4	7488.3	7188.2	6802.4	6429.2	5999.5
-25°	8769.3	8551.2	8316.7	8097.5	7884.1	7653.0	7375.5	7035.3	6668.8	6280.5	5841.4
-27.5°	8650.3	8421.1	8178.8	7955.9	7730.3	7502.8	7216.0	6873.3	6520.4	6095.9	5669.6
-30°	8489.7	8253.1	8006.1	7751.0	7544.8	7312.9	7029.2	6696.4	6317.5	5898.3	5492.6
-32.5°	8271.6	8049.0	7802.0	7559.5	7344.2	7100.8	6814.5	6484.1	6086.4	5689.9	5267.8
-35°	8049.9	7819.3	7583.8	7355.6	7128.7	6873.9	6581.7	6222.0	5841.9	5449.2	5011.1
-37.5°	7796.7	7556.5	7335.3	7118.4	6884.4	6623.2	6300.7	5953.2	5582.6	5150.8	4733.9
-40°	7524.8	7293.4	7051.8	6837.4	6587.8	6324.4	6012.7	5674.9	5267.3	4840.6	4448.7
-42.5°	7201.8	6970.6	6721.9	6483.1	6240.7	5990.1	5708.6	5343.1	4939.2	4536.6	4129.7
-45°	6811.9	6580.5	6336.0	6089.9	5863.0	5619.5	5357.5	4968.0	4569.1	4185.4	3794.9
-47.5°	6373.1	6148.9	5913.0	5669.0	5453.2	5208.7	4889.6	4527.1	4174.1	3809.0	3409.3
-50°	5896.7	5683.3	5465.1	5238.7	4996.3	4720.5	4414.3	4098.0	3748.4	3373.6	3008.5
-52.5°	5375.9	5180.6	4974.7	4757.0	4506.8	4233.1	3946.2	3610.4	3261.6	2943.5	2611.4
-55°	4832.4	4639.6	4436.0	4218.6	3985.2	3714.5	3417.2	3111.9	2827.1	2532.9	2279.6
-57.5°	4231.0	4048.3	3854.3	3649.1	3433.7	3181.9	2921.1	2662.0	2436.5	2207.8	1977.9
-60°	3588.3	3417.7	3252.7	3070.8	2871.9	2655.2	2465.0	2273.8	2082.5	1900.0	1714.8
-62.5°	2965.8	2823.0	2674.8	2527.2	2375.9	2219.5	2061.9	1914.3	1763.4	1608.8	1472.5
-65°	2377.4	2268.9	2151.9	2049.7	1942.5	1829.3	1702.7	1587.0	1477.3	1364.0	1248.0
-67.5°	1883.6	1806.1	1723.5	1642.9	1569.3	1491.0	1402.0	1308.5	1221.5	1137.6	1052.2
-70°	1477.6	1426.4	1372.7	1313.8	1255.1	1196.1	1130.6	1061.7	992.0	929.1	868.9
-72.5°	1134.1	1098.7	1057.9	1015.6	970.4	930.2	885.5	839.0	791.7	744.0	698.6
-75°	877.5	851.9	823.9	792.3	754.0	708.7	675.1	652.4	623.9	589.2	551.3
-77.5°	694.0	675.4	655.3	628.3	600.4	571.5	543.0	514.9	487.1	460.8	436.7
-80°	510.7	501.8	490.7	468.4	446.0	423.7	402.4	385.2	368.9	351.1	329.2
-82.5°	299.8	298.7	295.6	283.0	270.5	258.1	246.0	233.9	221.1	207.8	194.2
-85°	96.8	102.1	106.5	108.6	109.8	110.2	109.5	106.3	102.6	98.4	93.8
-87.5°	21.2	21.3	21.3	22.2	22.9	23.6	24.1	25.3	26.3	27.1	27.8
-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: P645481 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-735-U-LAM-VSR-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°	1.4	1.3	1.2	1.1	1.1	1.0	0.9	0.8	0.9	1.0	1.0
85°	2.0	2.0	2.0	2.0	2.0	2.0	1.8	1.7	1.9	2.0	2.1
82.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.5	3.0	3.1
80°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.5	3.0	3.5
77.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.6	3.0	3.5
75°	2.0	2.0	2.0	2.1	2.1	2.0	2.0	2.1	2.6	3.1	3.5
72.5°	2.0	2.0	2.0	2.2	2.5	2.5	2.3	2.2	2.7	3.1	3.6
70°	2.3	2.1	2.0	2.3	2.8	3.2	3.1	3.1	2.7	3.2	3.6
67.5°	2.9	3.0	2.7	2.7	2.9	3.3	3.8	4.4	4.4	3.3	3.7
65°	3.0	3.5	4.1	5.5	4.9	3.4	3.9	7.7	6.1	5.2	3.7
62.5°	6.5	3.6	12.4	16.5	9.3	7.3	5.8	17.1	10.7	7.3	5.2
60°	15.4	12.6	34.5	55.3	38.6	13.0	19.1	29.6	27.2	9.4	7.4
57.5°	143.7	49.4	71.6	103.5	101.7	55.2	40.2	53.7	46.2	26.6	10.5
55°	306.7	258.2	170.4	156.1	168.6	136.1	88.6	86.9	71.3	49.4	16.9
52.5°	420.8	439.2	382.2	267.0	232.5	221.5	173.0	126.1	111.9	74.2	42.9
50°	609.2	567.3	561.6	471.4	326.0	295.1	255.4	196.9	157.1	106.1	72.5
47.5°	860.5	755.9	700.4	659.9	520.2	376.2	335.1	269.4	206.9	152.8	103.5
45°	1229.8	977.0	869.8	804.1	712.9	529.1	419.3	339.7	269.6	205.2	136.0
42.5°	1600.5	1263.3	1063.1	956.9	862.2	701.8	509.5	420.8	330.7	258.4	177.2
40°	1927.8	1558.4	1266.3	1129.8	1008.7	868.6	655.4	507.6	390.6	313.3	224.0
37.5°	2321.9	1894.4	1500.2	1311.1	1164.9	1007.9	803.5	598.2	462.7	370.8	270.9
35°	2703.0	2329.4	1761.9	1529.9	1338.7	1150.7	946.1	705.3	551.2	429.3	317.9
32.5°	3112.2	2738.5	2157.1	1774.4	1518.6	1296.7	1079.4	835.6	640.2	488.5	364.6
30°	3434.5	3007.9	2503.9	2019.1	1714.4	1459.6	1212.5	960.6	729.4	548.2	411.8
27.5°	3605.3	3240.9	2777.6	2291.8	1934.7	1626.6	1349.6	1080.0	818.4	613.8	461.0
25°	3782.0	3405.1	2973.3	2530.1	2152.2	1803.4	1486.2	1193.9	915.7	687.8	509.6
22.5°	3993.3	3544.7	3138.3	2719.0	2376.6	1982.7	1629.4	1309.2	1012.9	760.3	557.4
20°	4205.5	3674.3	3301.1	2976.1	2596.8	2176.6	1779.1	1421.6	1104.7	831.0	604.2
17.5°	4428.2	3909.6	3577.4	3227.0	2816.3	2364.5	1926.6	1530.6	1190.7	899.4	649.7
15°	4815.8	4262.0	3855.8	3471.1	3034.6	2545.3	2070.5	1635.3	1271.0	965.1	692.0
12.5°	5167.8	4590.0	4134.4	3707.1	3249.4	2717.6	2209.4	1734.8	1345.4	1017.6	729.7
10°	5459.0	4894.2	4409.8	3933.7	3457.8	2880.3	2341.8	1816.0	1390.0	1056.7	764.4
7.5°	5697.5	5175.4	4678.3	4149.3	3636.9	2986.7	2408.6	1863.3	1424.6	1089.9	796.1
5°	5869.8	5363.0	4820.9	4224.4	3692.9	3030.4	2453.9	1901.8	1452.4	1117.7	824.6
2.5°	5919.5	5420.7	4874.5	4265.5	3730.7	3058.7	2486.3	1931.2	1473.9	1140.2	849.9
0°	5948.4	5458.6	4908.0	4290.8	3750.1	3072.2	2505.9	1951.4	1489.1	1157.9	871.9
-2.5°	5988.8	5491.3	4940.4	4355.8	3762.9	3113.3	2517.0	1964.6	1508.3	1164.3	884.7
-5°	6008.9	5504.1	4955.9	4399.5	3759.5	3137.8	2515.6	1968.8	1520.8	1166.5	894.2
-7.5°	6000.1	5499.8	4956.5	4413.2	3742.5	3143.5	2501.9	1964.4	1525.8	1164.9	900.0
-10°	5973.0	5477.4	4937.5	4377.8	3726.9	3121.3	2477.6	1952.0	1522.8	1159.9	902.2
-12.5°	5931.9	5435.8	4898.9	4326.8	3694.3	3075.4	2448.9	1930.6	1510.5	1151.9	900.7
-15°	5878.5	5375.1	4840.1	4262.1	3640.6	3014.5	2405.8	1899.5	1486.6	1142.8	895.5
-17.5°	5810.0	5296.0	4760.9	4185.3	3565.0	2939.0	2347.9	1859.0	1456.7	1131.6	884.7
-20°	5687.8	5189.8	4660.3	4097.9	3466.9	2849.5	2274.9	1809.1	1421.0	1115.8	869.2



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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°	5550.3	5058.4	4534.9	3980.1	3348.8	2746.7	2186.7	1749.9	1379.9	1095.2	850.7
-25°	5403.8	4910.4	4389.1	3816.9	3218.2	2638.0	2098.3	1681.3	1333.6	1069.8	829.2
-27.5°	5231.7	4742.7	4223.9	3637.2	3066.7	2511.9	2013.7	1620.5	1288.8	1039.4	804.8
-30°	5038.3	4545.6	4017.4	3445.5	2900.5	2366.0	1918.7	1555.7	1250.9	1006.3	777.6
-32.5°	4816.5	4328.4	3788.6	3249.3	2725.0	2211.3	1813.8	1486.3	1207.0	971.1	752.4
-35°	4564.2	4075.8	3546.1	3038.6	2539.0	2086.3	1711.3	1412.6	1157.4	933.1	725.9
-37.5°	4301.2	3804.6	3303.5	2818.6	2341.3	1950.9	1619.1	1339.9	1101.9	892.3	696.6
-40°	4001.1	3525.5	3049.0	2592.0	2170.2	1805.5	1519.4	1268.1	1049.5	849.0	664.5
-42.5°	3691.9	3232.8	2783.6	2352.1	2001.2	1687.2	1414.9	1190.8	994.1	807.1	629.8
-45°	3358.5	2923.7	2501.3	2150.0	1829.4	1561.9	1323.4	1110.7	935.1	764.2	593.9
-47.5°	3006.8	2598.0	2244.7	1939.4	1683.3	1436.0	1226.1	1041.4	873.1	718.3	557.9
-50°	2634.2	2294.7	2008.4	1756.4	1525.9	1322.7	1129.1	968.8	816.3	667.5	520.1
-52.5°	2304.1	2032.0	1795.1	1579.4	1387.0	1203.4	1045.6	894.4	757.7	618.9	480.7
-55°	2021.2	1798.2	1598.3	1418.8	1249.4	1101.2	958.9	828.3	697.5	570.2	440.8
-57.5°	1776.9	1582.0	1422.0	1266.1	1126.2	999.9	879.9	760.7	639.9	519.8	409.1
-60°	1542.2	1396.7	1254.3	1129.0	1010.6	903.4	805.4	693.2	581.7	469.4	374.1
-62.5°	1339.5	1215.3	1107.7	998.4	900.1	812.7	730.2	627.2	521.8	422.8	335.9
-65°	1149.5	1054.1	962.5	875.3	793.8	719.6	653.0	559.5	461.8	373.3	296.4
-67.5°	969.1	897.3	825.3	752.2	687.9	628.0	570.9	486.5	399.1	321.3	257.1
-70°	807.9	746.6	690.2	635.8	583.8	533.8	480.0	408.7	333.5	274.6	216.9
-72.5°	655.8	610.9	564.1	519.4	481.0	437.0	387.5	331.9	279.2	227.2	175.9
-75°	514.9	485.4	452.4	416.9	381.0	341.8	309.1	270.2	224.2	178.8	141.7
-77.5°	412.0	383.2	350.1	321.8	297.8	270.9	241.2	207.5	171.0	139.1	109.5
-80°	303.9	281.8	263.1	246.8	224.6	200.1	175.5	150.9	124.3	99.6	76.7
-82.5°	185.4	180.6	175.4	167.8	149.3	131.1	113.3	95.7	76.9	59.5	49.3
-85°	92.7	90.8	88.1	84.1	72.7	61.6	56.4	51.2	44.9	38.8	32.9
-87.5°	30.5	32.8	34.6	36.0	33.4	30.8	28.2	25.6	22.5	19.4	16.5
-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°	1.0	0.8	0.7	0.5	0.3	0.2	0.0
85°	2.0	1.7	1.4	1.0	0.7	0.4	0.0
82.5°	3.0	2.5	2.0	1.5	1.0	0.6	0.0
80°	3.9	3.4	2.7	2.0	1.4	0.9	0.0
77.5°	3.9	3.9	3.4	2.5	1.7	1.1	0.0
75°	4.0	4.1	3.9	3.0	2.1	1.3	0.0
72.5°	4.0	4.2	4.1	3.5	2.4	1.5	0.0
70°	4.1	4.4	4.3	3.9	2.7	1.7	0.0
67.5°	4.6	4.5	4.5	4.1	3.1	1.9	0.0
65°	5.3	5.2	4.7	4.3	3.5	2.1	0.0
62.5°	6.1	6.5	4.9	4.5	3.8	2.3	0.0
60°	7.2	7.9	5.2	4.7	4.2	2.5	0.0
57.5°	13.4	9.4	6.7	5.0	4.4	2.7	0.0
55°	21.4	11.1	8.3	5.2	4.6	2.9	0.0
52.5°	30.7	14.3	10.0	5.4	4.8	3.1	0.0
50°	41.4	24.4	11.8	5.6	5.1	3.3	0.0
47.5°	55.6	35.2	13.7	6.1	5.3	3.5	0.0
45°	83.9	46.8	15.7	7.6	5.5	3.7	0.0
42.5°	112.8	59.1	17.7	9.1	5.8	3.9	0.0
40°	142.4	72.2	23.8	11.0	6.0	4.0	0.0
37.5°	172.6	85.9	34.0	13.4	6.3	4.2	0.0
35°	203.2	106.7	44.4	16.0	6.5	4.4	0.0
32.5°	236.4	130.9	54.9	18.9	6.8	4.5	0.0
30°	274.4	154.8	65.5	22.0	7.1	4.7	0.0
27.5°	311.6	178.5	78.6	25.3	7.3	4.8	0.0
25°	348.0	201.8	92.0	28.8	7.6	5.0	0.0
22.5°	383.3	225.6	105.3	32.4	7.8	5.1	0.0
20°	417.3	251.1	118.6	36.2	8.1	5.2	0.0
17.5°	451.1	275.8	131.6	40.0	8.3	5.3	0.0
15°	483.5	299.5	144.3	43.8	8.6	5.4	0.0
12.5°	513.8	322.1	156.6	47.6	8.8	5.5	0.0
10°	541.9	343.4	168.3	51.4	9.0	5.6	0.0
7.5°	567.8	363.4	179.4	55.0	9.2	5.7	0.0
5°	591.2	381.8	189.8	58.5	9.4	5.8	0.0
2.5°	612.3	398.5	199.2	61.7	9.6	5.9	0.0
0°	630.9	413.4	207.7	64.7	9.8	5.9	0.0
-2.5°	640.1	422.8	215.6	68.9	11.3	6.2	0.0
-5°	646.9	430.3	222.3	72.8	12.8	6.6	0.0
-7.5°	651.2	435.7	227.8	76.2	14.3	6.9	0.0
-10°	653.2	439.1	232.0	79.3	15.7	7.2	0.0
-12.5°	652.8	440.5	234.7	81.8	17.1	7.4	0.0
-15°	650.3	439.8	236.1	83.8	18.3	7.7	0.0
-17.5°	645.5	437.2	235.9	85.3	19.5	7.9	0.0
-20°	638.1	432.6	234.2	86.1	20.6	8.1	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	627.5	426.0	230.9	86.4	21.6	8.2	0.0
-25°	614.3	415.7	226.0	86.0	22.5	8.4	0.0
-27.5°	598.7	403.0	219.4	84.9	23.2	8.4	0.0
-30°	580.7	388.4	211.2	83.2	23.8	8.5	0.0
-32.5°	560.2	372.2	201.6	80.7	24.3	8.5	0.0
-35°	538.0	354.2	190.9	77.6	24.6	8.5	0.0
-37.5°	514.2	336.2	179.1	73.7	24.8	8.5	0.0
-40°	488.6	319.9	166.3	69.1	24.8	8.4	0.0
-42.5°	461.1	302.4	156.6	64.2	24.7	8.3	0.0
-45°	432.0	283.8	150.0	59.1	24.4	8.1	0.0
-47.5°	401.2	264.1	142.2	53.4	23.9	7.9	0.0
-50°	375.4	243.4	133.2	51.5	23.3	7.7	0.0
-52.5°	349.6	221.7	123.0	50.5	22.6	7.4	0.0
-55°	322.9	205.2	111.8	48.9	21.7	7.1	0.0
-57.5°	295.1	188.5	99.5	46.8	20.7	6.7	0.0
-60°	266.9	170.3	86.5	44.1	19.5	6.3	0.0
-62.5°	241.1	150.6	80.4	41.0	18.3	5.9	0.0
-65°	213.5	129.6	73.4	37.4	17.0	5.5	0.0
-67.5°	184.2	112.1	65.6	33.4	15.6	5.0	0.0
-70°	153.2	98.1	57.0	29.0	14.1	4.5	0.0
-72.5°	129.6	83.0	47.8	25.5	12.5	4.0	0.0
-75°	106.0	67.1	38.1	22.2	10.9	3.5	0.0
-77.5°	81.1	50.3	31.5	18.7	9.2	2.9	0.0
-80°	55.4	38.3	25.4	15.1	7.4	2.4	0.0
-82.5°	40.7	29.0	19.2	11.4	5.6	1.8	0.0
-85°	27.3	19.4	12.9	7.6	3.8	1.2	0.0
-87.5°	13.7	9.7	6.5	3.8	1.9	0.6	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)