

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: P645513 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA5C-727-U-LAM-VSR-XX

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-2019
Report Number: P645513 (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: 5/9/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA5C-727-U-LAM-VSR-XX
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, LAMBERTIAN WITH VISOR
Light Source: (80) 2700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

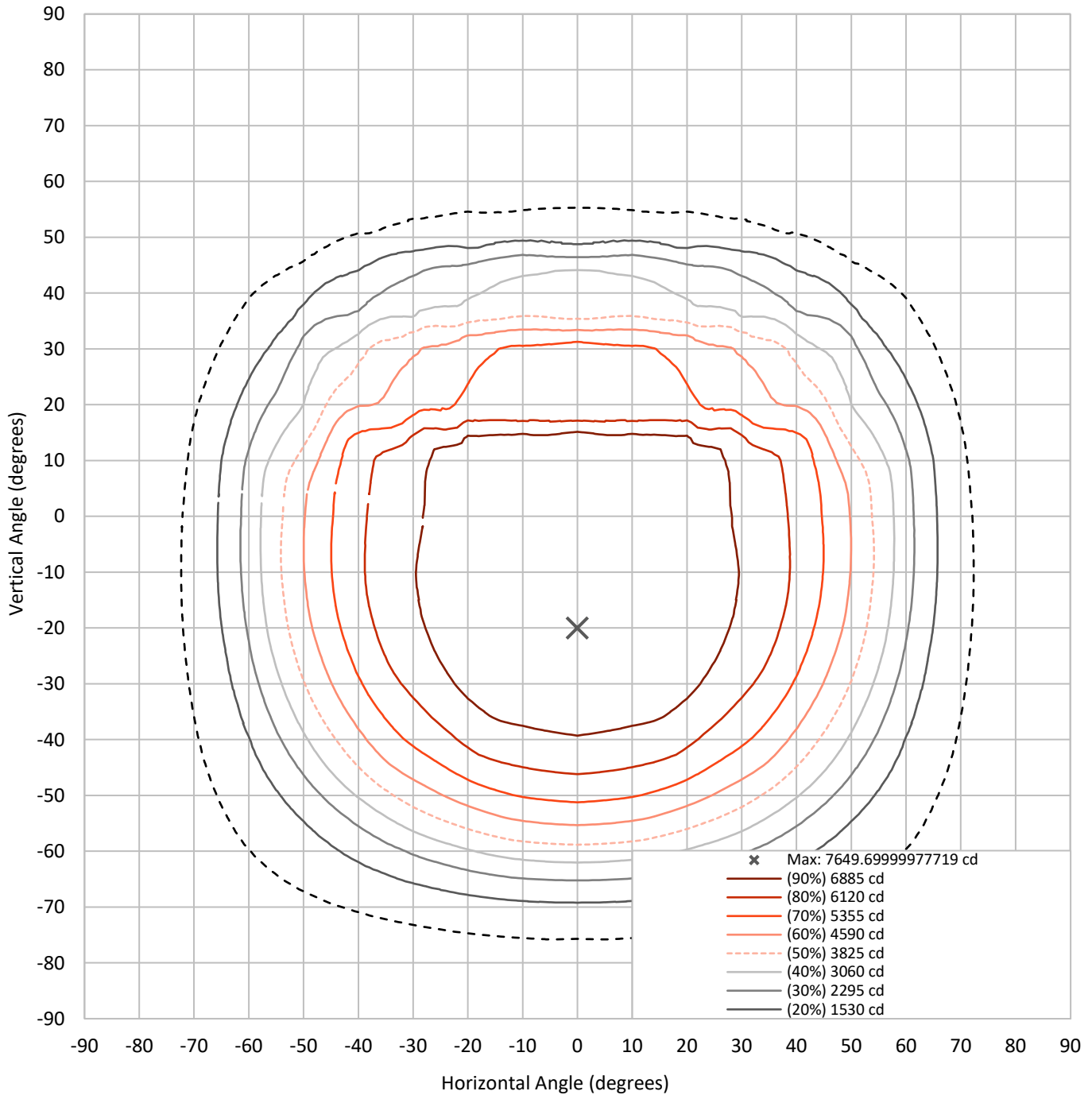
Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	17936.9 lumens	Max Intensity:	7649.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -20°V
Efficacy:	87.0 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	105.6°H x 93.7°V	Field Angle (10%):	144°H x 131.2°V
Beam Lumens:	14022 lumens	Field Lumens:	17580.8 lumens
Beam Efficiency:	78.2%	Field Efficiency:	98.0%
Input Watts (W):	206.13		
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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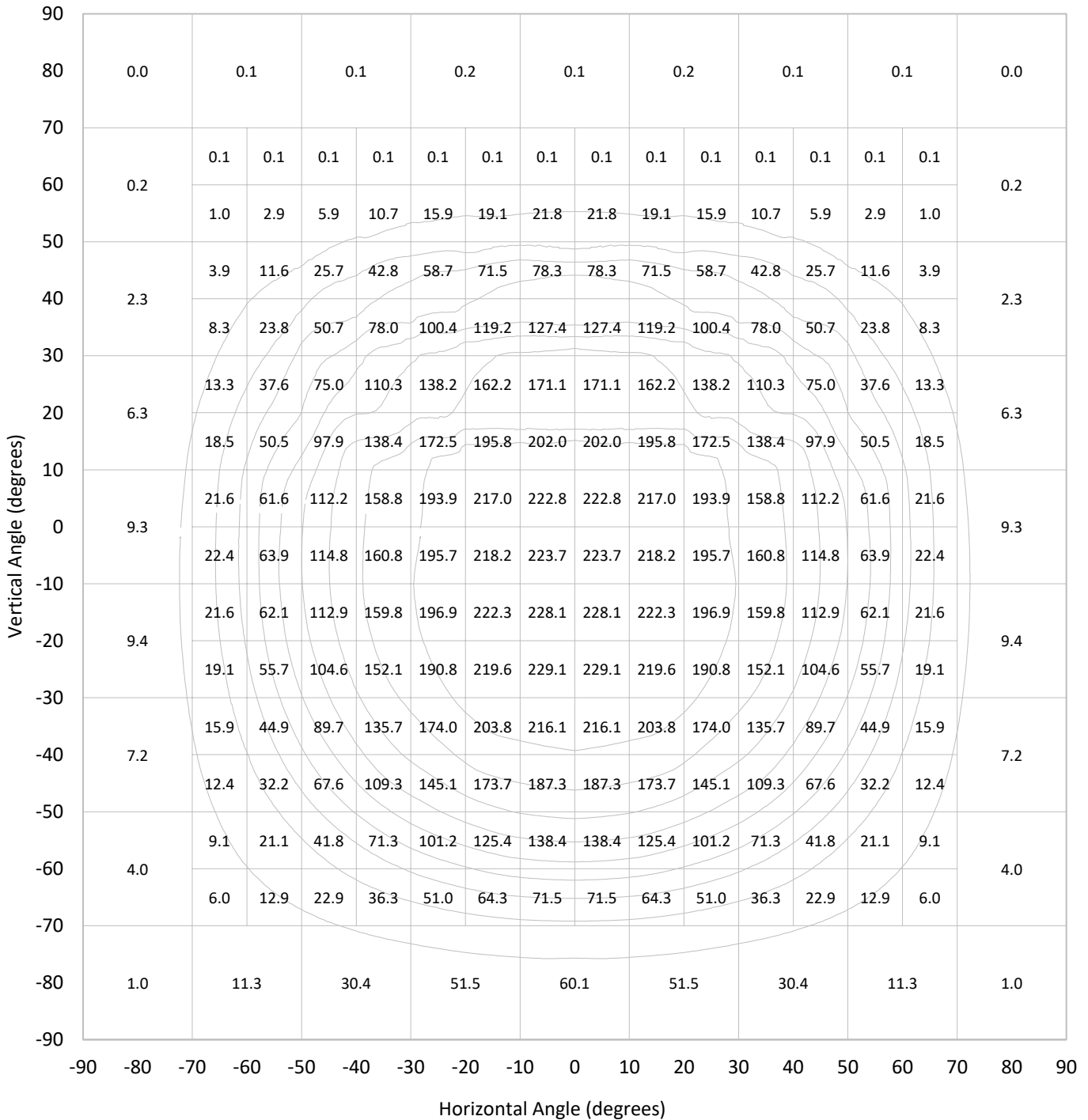
Iso-Candela Plot





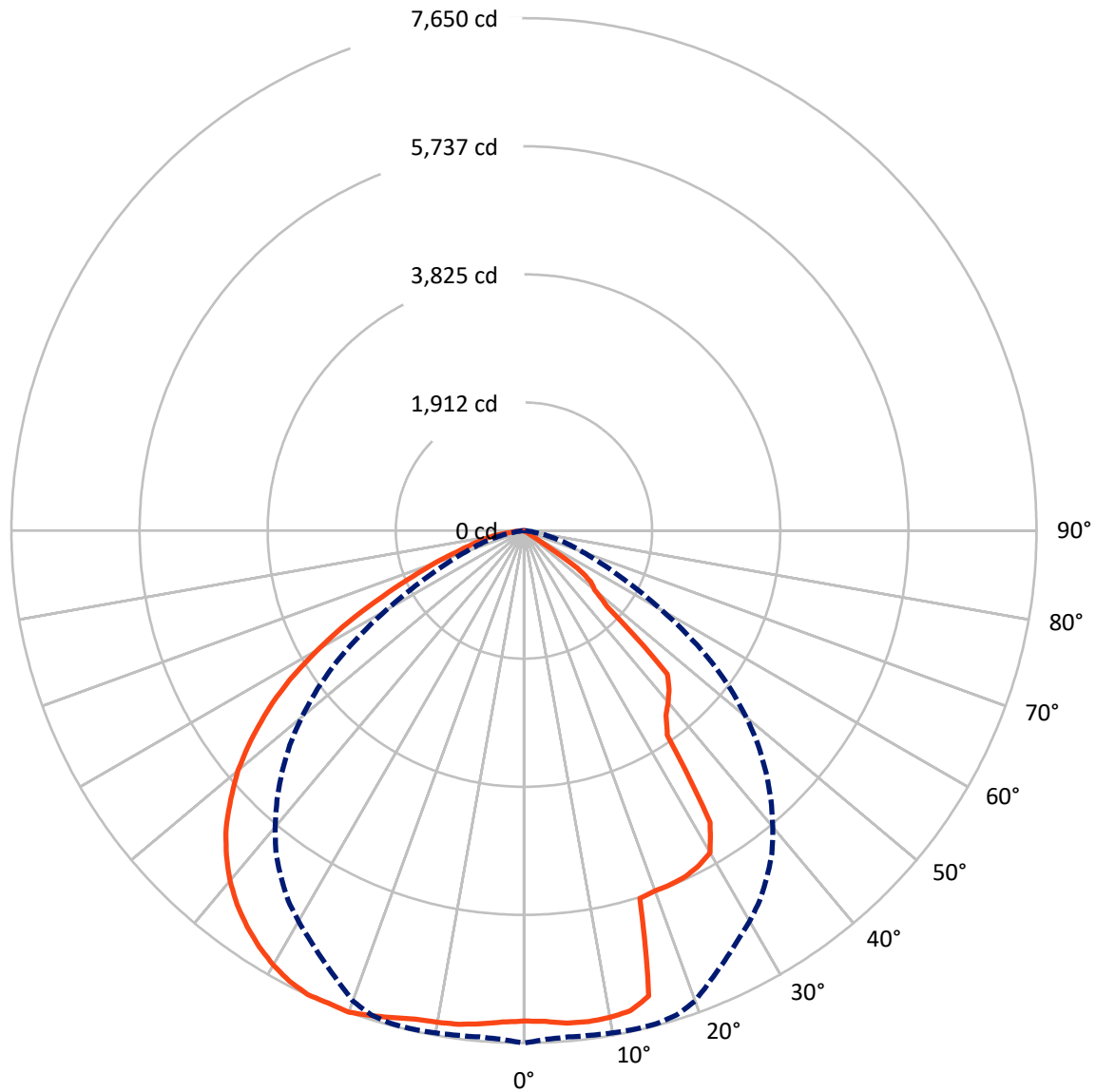
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CATALOG NUMBER: GFLD-SA5C-727-U-LAM-VSR-XX

Lumen Table



REPORT NUMBER: P645513 (CONVERTED FROM TYPE C PHOTOMETRY)
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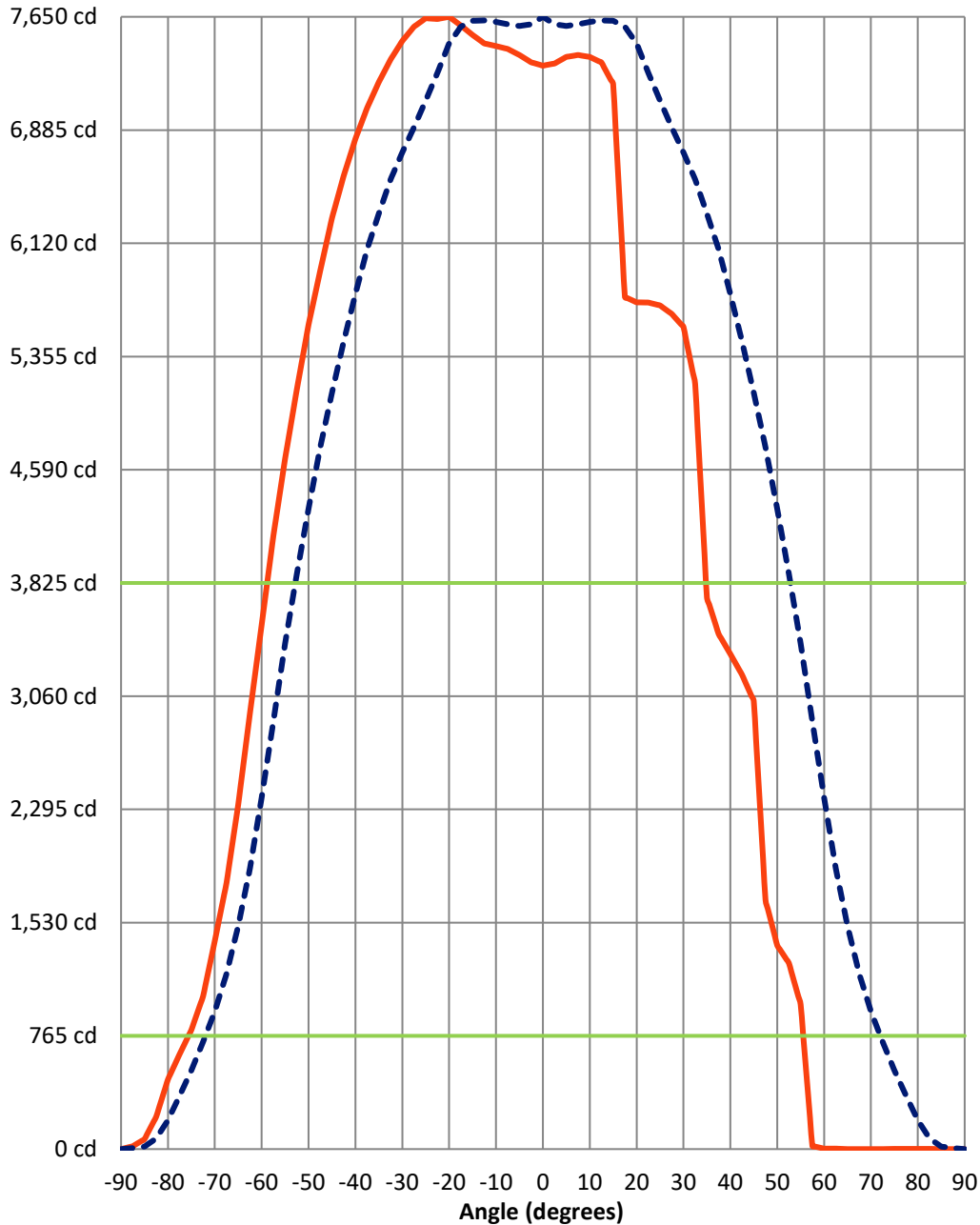
Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through -20-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 105.6°
 V Angle: 93.7°
 Lumens: 14022
 Efficiency: 78.2%

Field:
 H Angle: 144°
 V Angle: 131.2°
 Lumens: 17580.8
 Efficiency: 98.0%

Spill:
 Lumens: 356.2
 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	0.4	0.6	0.7	0.9	0.9	0.8	0.8	0.7
85°	0.0	0.4	0.6	0.9	1.1	1.4	1.7	1.7	1.7	1.6	1.4
82.5°	0.0	0.5	0.9	1.3	1.7	2.1	2.6	2.6	2.5	2.1	1.6
80°	0.0	0.7	1.2	1.7	2.3	2.8	3.3	2.9	2.5	2.1	1.7
77.5°	0.0	0.9	1.4	2.1	2.8	3.3	3.3	2.9	2.5	2.1	1.7
75°	0.0	1.1	1.7	2.6	3.3	3.4	3.3	3.0	2.6	2.1	1.7
72.5°	0.0	1.2	2.0	3.0	3.5	3.5	3.4	3.0	2.6	2.2	1.8
70°	0.0	1.4	2.3	3.3	3.6	3.7	3.5	3.0	2.6	2.3	2.6
67.5°	0.0	1.6	2.6	3.5	3.8	3.8	3.9	3.1	2.7	3.6	3.7
65°	0.0	1.8	2.9	3.6	3.9	4.4	4.4	3.1	4.3	5.1	6.4
62.5°	0.0	1.9	3.2	3.8	4.1	5.4	5.2	4.4	6.1	9.0	14.3
60°	0.0	2.1	3.5	4.0	4.3	6.6	6.1	6.2	7.9	22.7	24.7
57.5°	0.0	2.3	3.7	4.1	5.6	7.9	11.2	8.7	22.2	38.5	44.8
55°	0.0	2.4	3.9	4.3	6.9	9.3	17.8	14.1	41.2	59.5	72.5
52.5°	0.0	2.6	4.1	4.5	8.4	11.9	25.6	35.8	61.8	93.3	105.1
50°	0.0	2.8	4.2	4.7	9.9	20.3	34.5	60.5	88.4	130.9	164.2
47.5°	0.0	2.9	4.4	5.1	11.4	29.3	46.3	86.3	127.4	172.4	224.5
45°	0.0	3.1	4.6	6.3	13.1	39.0	69.9	113.4	171.0	224.7	283.2
42.5°	0.0	3.2	4.8	7.6	14.7	49.3	94.0	147.7	215.4	275.7	350.7
40°	0.0	3.4	5.0	9.2	19.8	60.1	118.7	186.7	261.2	325.7	423.1
37.5°	0.0	3.5	5.3	11.1	28.3	71.6	143.9	225.9	309.1	385.7	498.6
35°	0.0	3.6	5.5	13.3	37.0	88.9	169.4	265.0	357.9	459.5	587.9
32.5°	0.0	3.8	5.7	15.7	45.8	109.1	197.1	303.9	407.2	533.6	696.5
30°	0.0	3.9	5.9	18.3	54.6	129.1	228.7	343.3	456.9	608.0	800.7
27.5°	0.0	4.0	6.1	21.1	65.5	148.8	259.8	384.2	511.6	682.2	900.2
25°	0.0	4.1	6.3	24.0	76.7	168.2	290.1	424.8	573.3	763.3	995.2
22.5°	0.0	4.2	6.5	27.0	87.8	188.0	319.5	464.7	633.8	844.3	1091.2
20°	0.0	4.3	6.7	30.1	98.8	209.3	347.9	503.7	692.7	920.8	1185.0
17.5°	0.0	4.4	6.9	33.3	109.7	229.9	376.0	541.6	749.7	992.5	1275.8
15°	0.0	4.5	7.1	36.5	120.3	249.6	403.0	576.8	804.5	1059.4	1363.1
12.5°	0.0	4.6	7.3	39.7	130.5	268.5	428.3	608.3	848.2	1121.4	1446.1
10°	0.0	4.7	7.5	42.8	140.3	286.3	451.7	637.2	880.8	1158.6	1513.7
7.5°	0.0	4.8	7.7	45.8	149.5	302.9	473.3	663.6	908.5	1187.4	1553.1
5°	0.0	4.8	7.9	48.7	158.1	318.3	492.8	687.3	931.7	1210.7	1585.2
2.5°	0.0	4.9	8.0	51.4	166.0	332.2	510.4	708.4	950.5	1228.5	1609.8
0°	0.0	4.9	8.2	53.9	173.1	344.6	525.9	726.8	965.2	1241.2	1626.6
-2.5°	0.0	5.2	9.5	57.4	179.7	352.5	533.6	737.5	970.5	1257.2	1637.6
-5°	0.0	5.5	10.7	60.6	185.3	358.6	539.2	745.3	972.3	1267.6	1641.1
-7.5°	0.0	5.7	12.0	63.5	189.9	363.2	542.8	750.2	971.0	1271.8	1637.4
-10°	0.0	5.9	13.1	66.0	193.3	366.0	544.4	752.1	966.8	1269.3	1627.0
-12.5°	0.0	6.2	14.3	68.1	195.6	367.1	544.1	750.8	960.1	1259.1	1609.2
-15°	0.0	6.4	15.3	69.8	196.7	366.6	542.0	746.4	952.5	1239.1	1583.3
-17.5°	0.0	6.6	16.3	71.0	196.6	364.4	538.0	737.4	943.3	1214.2	1549.5
-20°	0.0	6.7	17.2	71.8	195.2	360.5	531.9	724.5	930.1	1184.5	1508.0

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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	6.8	18.0	72.0	192.4	355.0	523.0	709.1	912.9	1150.2	1458.6
-25°	0.0	7.0	18.7	71.6	188.3	346.5	512.0	691.2	891.7	1111.6	1401.4
-27.5°	0.0	7.0	19.3	70.8	182.8	335.9	499.0	670.8	866.4	1074.2	1350.8
-30°	0.0	7.1	19.8	69.3	176.0	323.7	484.0	648.1	838.7	1042.6	1296.7
-32.5°	0.0	7.1	20.2	67.3	168.0	310.2	466.9	627.2	809.4	1006.1	1238.8
-35°	0.0	7.1	20.5	64.7	159.1	295.2	448.5	605.1	777.7	964.7	1177.5
-37.5°	0.0	7.1	20.6	61.4	149.3	280.2	428.6	580.6	743.8	918.4	1116.9
-40°	0.0	7.0	20.7	57.6	138.6	266.6	407.2	553.9	707.6	874.8	1057.0
-42.5°	0.0	6.9	20.5	53.5	130.5	252.0	384.4	524.9	672.7	828.6	992.6
-45°	0.0	6.7	20.3	49.3	125.0	236.5	360.1	495.0	637.0	779.4	925.8
-47.5°	0.0	6.6	19.9	44.5	118.5	220.1	334.4	465.0	598.7	727.7	868.0
-50°	0.0	6.4	19.4	42.9	111.0	202.8	312.9	433.6	556.4	680.3	807.5
-52.5°	0.0	6.1	18.8	42.1	102.5	184.7	291.4	400.7	515.9	631.5	745.5
-55°	0.0	5.9	18.1	40.8	93.2	171.0	269.1	367.5	475.3	581.4	690.4
-57.5°	0.0	5.6	17.2	39.0	82.9	157.1	245.9	341.0	433.3	533.4	634.1
-60°	0.0	5.3	16.2	36.8	72.1	141.9	222.4	311.8	391.3	484.8	577.8
-62.5°	0.0	4.9	15.2	34.2	67.0	125.6	201.0	280.0	352.4	435.0	522.8
-65°	0.0	4.6	14.2	31.2	61.2	108.1	178.0	247.0	311.1	384.9	466.4
-67.5°	0.0	4.2	13.0	27.8	54.7	93.4	153.5	214.3	267.8	332.6	405.5
-70°	0.0	3.8	11.8	24.1	47.5	81.8	127.7	180.8	228.9	278.0	340.6
-72.5°	0.0	3.4	10.5	21.3	39.9	69.2	108.1	146.6	189.3	232.7	276.7
-75°	0.0	2.9	9.1	18.5	31.7	55.9	88.3	118.1	149.1	186.9	225.2
-77.5°	0.0	2.4	7.6	15.6	26.2	41.9	67.6	91.3	115.9	142.6	172.9
-80°	0.0	2.0	6.2	12.6	21.2	32.0	46.2	64.0	83.0	103.6	125.8
-82.5°	0.0	1.5	4.7	9.5	16.0	24.2	33.9	41.1	49.6	64.1	79.8
-85°	0.0	1.0	3.1	6.4	10.7	16.2	22.7	27.4	32.3	37.4	42.7
-87.5°	0.0	0.5	1.6	3.2	5.4	8.1	11.4	13.7	16.2	18.7	21.4
-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-SA5C-727-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°	0.7	0.8	0.9	0.9	1.0	1.0	1.1	1.1	1.2	1.2	1.3
85°	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
82.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
80°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
77.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
75°	1.6	1.6	1.7	1.7	1.6	1.6	1.6	1.6	1.6	1.6	1.6
72.5°	1.9	2.1	2.1	1.8	1.6	1.6	1.6	1.6	1.6	1.6	1.6
70°	2.6	2.6	2.3	1.9	1.6	1.7	1.8	1.8	1.6	1.6	1.6
67.5°	3.2	2.8	2.4	2.2	2.2	2.5	2.4	2.0	1.6	1.6	1.7
65°	3.3	2.9	4.1	4.6	3.4	2.9	2.5	2.1	2.2	2.3	2.3
62.5°	4.9	6.1	7.8	13.8	10.3	3.0	5.4	6.4	4.7	3.9	4.1
60°	16.0	10.9	32.2	46.1	28.8	10.5	12.8	42.7	37.0	6.8	23.1
57.5°	33.6	46.0	84.8	86.3	59.7	41.2	119.8	138.3	104.7	61.1	93.5
55°	73.8	113.4	140.5	130.1	142.1	215.2	255.7	229.7	193.4	297.4	380.0
52.5°	144.2	184.7	193.8	222.6	318.6	366.0	350.8	375.1	486.5	604.2	629.7
50°	212.9	246.0	271.8	393.0	468.1	472.9	507.8	618.1	766.6	838.6	821.2
47.5°	279.3	313.6	433.7	550.1	583.9	630.1	717.3	930.2	1087.5	1090.6	1072.8
45°	349.6	441.1	594.3	670.2	725.0	814.4	1025.1	1318.8	1334.0	1376.7	1639.1
42.5°	424.7	585.0	718.7	797.7	886.1	1053.0	1334.1	1526.8	1593.1	1779.9	1991.0
40°	546.3	724.0	840.8	941.8	1055.5	1299.0	1606.9	1787.5	1841.3	2003.0	2161.7
37.5°	669.7	840.1	971.0	1092.8	1250.5	1579.1	1935.4	2084.2	2111.5	2141.0	2492.6
35°	788.6	959.2	1115.9	1275.3	1468.6	1941.7	2253.1	2393.0	2388.7	2588.3	2956.5
32.5°	899.7	1080.9	1265.9	1479.0	1798.0	2282.7	2594.2	2678.0	2805.1	3095.6	3598.1
30°	1010.7	1216.7	1429.0	1683.0	2087.1	2507.2	2862.8	2997.7	3215.5	3547.0	3912.7
27.5°	1125.0	1355.9	1612.7	1910.3	2315.2	2701.4	3005.2	3327.4	3539.0	3836.1	4096.3
25°	1238.8	1503.2	1794.0	2109.0	2478.3	2838.3	3152.4	3524.5	3751.8	3991.3	4234.0
22.5°	1358.2	1652.7	1981.0	2266.4	2615.8	2954.6	3328.6	3732.2	4027.6	4179.9	4342.8
20°	1483.0	1814.3	2164.5	2480.7	2751.5	3062.6	3505.4	3995.8	4377.2	4548.5	4570.9
17.5°	1605.9	1970.9	2347.5	2689.8	2981.9	3258.8	3691.1	4311.7	4786.0	4945.2	5016.0
15°	1725.9	2121.6	2529.5	2893.3	3213.9	3552.5	4014.2	4645.2	5187.5	5363.7	5475.1
12.5°	1841.7	2265.2	2708.5	3090.0	3446.2	3826.0	4307.5	4885.2	5380.2	5721.0	5925.5
10°	1952.0	2400.9	2882.2	3278.9	3675.7	4079.5	4550.3	5064.0	5466.9	5795.7	6085.9
7.5°	2007.6	2489.5	3031.5	3458.6	3899.5	4313.9	4749.1	5190.0	5529.4	5851.9	6132.4
5°	2045.4	2526.0	3078.1	3521.2	4018.4	4470.2	4892.8	5272.9	5570.2	5889.8	6163.9
2.5°	2072.5	2549.6	3109.7	3555.5	4063.1	4518.3	4934.1	5300.5	5603.8	5916.9	6197.6
0°	2088.8	2560.8	3125.8	3576.6	4091.0	4549.9	4958.2	5311.0	5626.2	5930.0	6232.1
-2.5°	2098.0	2595.1	3136.5	3630.8	4118.0	4577.2	4991.9	5336.2	5665.6	5954.7	6257.6
-5°	2096.9	2615.5	3133.7	3667.2	4131.0	4587.9	5008.7	5347.6	5686.9	5973.2	6267.9
-7.5°	2085.5	2620.2	3119.6	3678.7	4131.5	4584.3	5001.3	5353.1	5686.6	5990.1	6268.9
-10°	2065.2	2601.7	3106.5	3649.1	4115.7	4565.7	4978.8	5341.1	5673.4	5986.7	6263.5
-12.5°	2041.2	2563.5	3079.3	3606.6	4083.5	4530.9	4944.5	5310.5	5648.5	5961.1	6251.0
-15°	2005.3	2512.7	3034.6	3552.7	4034.5	4480.4	4900.0	5260.6	5610.2	5916.3	6213.9
-17.5°	1957.0	2449.8	2971.6	3488.6	3968.5	4414.5	4842.9	5194.7	5542.7	5858.9	6146.1
-20°	1896.2	2375.2	2889.8	3415.8	3884.6	4326.0	4741.0	5109.4	5455.1	5776.8	6078.6



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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°	1822.7	2289.5	2791.3	3317.5	3780.0	4216.4	4626.4	5000.8	5359.0	5670.1	5991.7
-25°	1749.0	2198.9	2682.5	3181.5	3658.5	4093.0	4504.3	4869.0	5235.1	5558.7	5864.2
-27.5°	1678.4	2093.8	2556.2	3031.8	3520.8	3953.3	4360.8	4725.9	5081.2	5435.1	5729.2
-30°	1599.2	1972.1	2417.7	2872.0	3348.6	3789.0	4199.6	4578.4	4916.5	5265.9	5581.7
-32.5°	1511.9	1843.2	2271.4	2708.4	3157.9	3608.0	4014.7	4390.9	4742.8	5073.3	5404.8
-35°	1426.4	1739.0	2116.4	2532.8	2955.8	3397.3	3804.4	4177.0	4542.1	4869.5	5186.3
-37.5°	1349.6	1626.2	1951.6	2349.4	2753.7	3171.2	3585.3	3945.9	4293.4	4653.4	4962.3
-40°	1266.4	1505.0	1808.9	2160.6	2541.5	2938.6	3335.1	3708.2	4034.8	4390.5	4730.3
-42.5°	1179.3	1406.4	1668.1	1960.6	2320.2	2694.6	3077.3	3442.3	3781.5	4117.1	4453.7
-45°	1103.1	1301.9	1524.9	1792.1	2084.9	2437.1	2799.4	3163.2	3488.7	3808.5	4141.0
-47.5°	1022.0	1197.0	1403.2	1616.6	1871.1	2165.5	2506.2	2841.8	3175.0	3479.3	3773.5
-50°	941.2	1102.5	1271.9	1464.0	1674.0	1912.7	2195.7	2507.7	2812.0	3124.4	3415.9
-52.5°	871.6	1003.1	1156.2	1316.5	1496.3	1693.7	1920.5	2176.7	2453.5	2718.7	3009.4
-55°	799.3	917.9	1041.5	1182.6	1332.2	1498.8	1684.7	1900.1	2111.3	2356.5	2593.9
-57.5°	733.4	833.4	938.8	1055.4	1185.3	1318.7	1481.1	1648.7	1840.3	2030.9	2218.9
-60°	671.3	753.0	842.4	941.1	1045.6	1164.3	1285.5	1429.4	1583.8	1735.9	1895.4
-62.5°	608.6	677.4	750.2	832.2	923.3	1013.0	1116.6	1227.4	1341.0	1469.9	1595.7
-65°	544.3	599.8	661.6	729.6	802.2	878.7	958.2	1040.3	1136.9	1231.4	1322.8
-67.5°	475.9	523.4	573.4	626.9	687.9	747.9	807.8	877.1	948.3	1018.2	1090.7
-70°	400.1	444.9	486.6	530.0	575.3	622.3	673.5	724.3	774.5	826.9	885.0
-72.5°	323.0	364.3	400.9	433.0	470.2	509.2	546.6	582.3	620.2	659.9	699.3
-75°	257.6	284.9	317.6	347.5	377.1	404.6	429.2	459.5	491.1	520.0	543.8
-77.5°	201.1	225.8	248.2	268.3	291.9	319.4	343.4	364.1	384.1	406.0	429.2
-80°	146.3	166.8	187.2	205.8	219.3	234.9	253.4	274.4	292.7	307.6	321.1
-82.5°	94.4	109.3	124.5	139.9	146.2	150.5	154.5	161.9	173.2	184.3	195.0
-85°	47.1	51.4	60.7	70.2	73.4	75.7	77.3	78.2	82.0	85.5	88.6
-87.5°	23.6	25.7	27.9	30.0	28.9	27.3	25.4	23.2	22.6	21.9	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



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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°	1.3	1.3	1.4	1.4	1.5	1.1	0.8	0.4	0.0	0.0	0.0
85°	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.5	1.2	0.8
82.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
80°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
77.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
75°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
72.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
70°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
67.5°	1.7	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.4	1.0
65°	2.3	2.2	2.3	2.3	2.0	1.9	2.0	2.0	1.8	1.4	1.0
62.5°	4.1	4.7	3.7	3.6	3.6	3.5	3.3	3.1	2.9	2.8	2.9
60°	25.6	15.1	8.9	10.3	9.3	6.2	7.9	9.2	9.3	8.5	7.5
57.5°	142.0	106.0	78.5	187.4	188.0	89.8	108.1	169.9	139.9	45.9	42.7
55°	394.9	472.3	621.6	590.5	600.1	690.2	753.6	667.2	654.0	696.9	805.1
52.5°	709.5	783.3	833.5	880.5	937.7	999.2	1062.4	1102.8	1140.4	1180.5	1204.4
50°	906.0	1010.0	1081.4	1055.1	1203.1	1263.7	1202.2	1257.2	1324.2	1342.6	1351.2
47.5°	1337.8	1490.3	1520.6	1618.8	1707.1	1705.2	1630.3	1634.6	1834.2	2010.2	2096.6
45°	1922.6	1927.8	2023.7	2197.2	2321.2	2282.2	2386.8	2624.8	2704.0	2780.6	2843.4
42.5°	2150.4	2244.8	2397.9	2551.3	2643.8	2724.0	2801.4	2888.9	2991.8	3075.1	3141.8
40°	2371.0	2447.1	2603.8	2727.4	2803.9	2878.8	2969.1	3066.0	3160.1	3233.4	3283.4
37.5°	2710.5	2769.5	2807.7	2922.4	3067.2	3000.4	3171.7	3294.6	3350.7	3425.1	3431.8
35°	3224.2	3185.0	3134.2	3590.7	3618.1	3463.9	3624.1	3814.5	3714.2	3923.2	4035.7
32.5°	3679.6	3673.8	4072.2	4312.3	4174.2	4286.9	4656.3	4639.9	4886.1	5000.4	4967.8
30°	4108.7	4255.0	4485.5	4664.3	4688.2	4865.9	5030.0	5173.7	5322.3	5455.6	5464.7
27.5°	4326.5	4517.5	4674.0	4777.4	4892.8	5042.4	5191.2	5353.1	5479.5	5563.0	5583.4
25°	4458.2	4653.4	4771.8	4883.1	5010.6	5139.6	5306.3	5482.6	5584.1	5635.6	5652.1
22.5°	4574.3	4749.7	4877.1	4967.4	5104.5	5243.4	5398.8	5548.0	5658.3	5680.8	5689.0
20°	4686.1	4854.6	5067.3	5200.3	5193.8	5350.1	5499.9	5618.6	5710.5	5710.0	5712.2
17.5°	5009.6	5069.7	5455.7	5748.8	5603.7	5527.2	5939.0	5946.8	5971.2	5922.6	5817.2
15°	5488.5	5598.0	6072.2	6389.9	6289.9	6284.6	6879.4	6731.9	6858.9	6825.6	6968.5
12.5°	5995.7	6125.4	6479.8	6791.8	6940.4	6976.9	7175.6	7361.8	7400.0	7384.9	7356.9
10°	6341.3	6526.0	6668.4	6857.7	7007.7	7160.6	7275.7	7409.4	7453.2	7427.9	7392.1
7.5°	6386.3	6568.9	6736.0	6902.2	7045.0	7168.2	7287.6	7396.4	7441.0	7426.2	7401.6
5°	6414.9	6580.3	6742.3	6910.9	7047.4	7161.6	7280.6	7390.8	7417.1	7399.4	7375.5
2.5°	6432.6	6585.7	6741.8	6909.7	7033.6	7142.4	7262.8	7380.4	7380.3	7372.5	7358.5
0°	6441.1	6594.6	6775.9	6927.8	7066.6	7169.5	7288.7	7403.1	7394.9	7373.7	7349.2
-2.5°	6459.4	6615.0	6800.1	6925.9	7082.4	7176.7	7299.9	7398.9	7395.1	7384.6	7372.5
-5°	6475.8	6650.8	6823.9	6956.3	7113.1	7236.3	7358.8	7436.2	7440.4	7425.8	7405.4
-7.5°	6485.8	6679.8	6844.9	6977.8	7130.0	7273.2	7397.5	7478.7	7480.6	7461.2	7436.8
-10°	6482.5	6687.3	6857.2	6994.6	7150.4	7291.9	7421.8	7524.8	7521.5	7503.1	7482.2
-12.5°	6470.3	6674.8	6849.3	6987.1	7164.0	7309.7	7455.8	7558.3	7563.7	7549.9	7527.4
-15°	6443.4	6654.5	6824.2	6974.7	7148.2	7318.5	7468.6	7581.6	7601.8	7590.5	7572.7
-17.5°	6390.2	6612.9	6793.0	6955.2	7121.6	7303.1	7473.9	7597.5	7625.0	7620.5	7605.7
-20°	6320.3	6550.2	6733.0	6902.9	7084.0	7271.0	7469.7	7582.7	7622.7	7625.2	7615.2



REPORT NUMBER: P645513 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	6241.8	6466.9	6660.8	6827.9	7024.3	7213.6	7393.5	7525.8	7593.0	7605.5	7606.4
-25°	6147.8	6379.1	6571.7	6749.6	6932.3	7127.8	7309.6	7457.3	7525.4	7558.0	7568.1
-27.5°	6014.9	6253.9	6443.5	6631.6	6817.4	7019.4	7210.4	7371.0	7426.4	7471.1	7489.1
-30°	5859.2	6095.6	6288.9	6460.8	6673.4	6879.3	7076.5	7216.6	7300.1	7351.3	7379.3
-32.5°	5680.2	5918.8	6121.7	6301.2	6503.3	6709.1	6894.7	7042.4	7157.6	7216.7	7246.6
-35°	5486.1	5729.7	5942.1	6131.2	6321.5	6517.7	6709.9	6864.5	6995.7	7046.5	7084.0
-37.5°	5251.9	5520.7	5738.5	5933.5	6114.3	6298.7	6498.9	6675.6	6803.1	6852.3	6891.8
-40°	5011.8	5271.6	5491.3	5699.2	5878.0	6079.4	6272.2	6457.5	6568.1	6625.5	6670.2
-42.5°	4758.3	4993.0	5201.9	5404.0	5603.0	5810.3	6003.0	6195.6	6291.2	6360.4	6415.3
-45°	4465.8	4684.1	4887.0	5076.2	5281.3	5485.2	5678.0	5848.1	5962.0	6052.1	6122.2
-47.5°	4075.7	4341.7	4545.4	4725.3	4928.7	5125.4	5312.2	5472.2	5597.0	5702.4	5783.8
-50°	3679.5	3934.8	4164.6	4366.6	4555.4	4737.2	4915.1	5071.6	5203.7	5317.9	5400.4
-52.5°	3289.3	3528.5	3756.6	3965.2	4146.6	4318.2	4481.0	4638.4	4777.7	4899.8	4979.6
-55°	2848.4	3096.2	3321.8	3516.3	3697.6	3867.3	4028.0	4177.3	4314.4	4438.8	4515.2
-57.5°	2434.9	2652.2	2862.1	3041.7	3212.8	3374.4	3526.8	3669.7	3801.7	3918.7	3992.4
-60°	2054.7	2213.2	2393.8	2559.6	2711.3	2848.8	2991.0	3124.2	3245.5	3348.4	3417.0
-62.5°	1718.7	1850.0	1980.5	2106.5	2229.5	2353.1	2472.1	2582.6	2684.0	2768.2	2828.4
-65°	1419.3	1524.8	1619.2	1708.6	1793.7	1891.2	1981.7	2066.8	2145.5	2210.1	2256.0
-67.5°	1168.7	1242.8	1308.1	1369.4	1436.6	1505.4	1570.0	1626.3	1674.4	1712.7	1742.9
-70°	942.4	997.0	1046.2	1095.1	1144.2	1188.9	1231.6	1273.0	1312.3	1344.4	1368.4
-72.5°	738.1	775.3	808.8	846.5	881.8	915.8	945.4	969.2	987.7	1005.8	1021.5
-75°	562.7	590.7	628.5	660.4	686.8	710.1	731.5	750.5	767.2	782.0	795.1
-77.5°	452.6	476.4	500.4	523.7	546.2	562.9	578.5	594.0	609.3	622.4	634.0
-80°	335.4	353.2	371.7	390.4	409.0	418.2	425.6	432.4	438.5	446.3	453.7
-82.5°	205.1	215.1	225.4	235.9	246.3	248.9	249.8	249.6	248.2	245.4	241.1
-85°	91.2	91.8	91.5	90.5	88.7	85.1	80.7	75.6	69.9	69.0	67.9
-87.5°	20.1	19.6	19.1	18.5	17.8	17.7	17.7	17.6	17.4	18.0	18.5
-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: P645513 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5C-727-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	0.4
85°	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.8	1.2	1.5	1.5
82.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
80°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
77.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
75°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
72.5°	1.6	1.6	0.8	0.0	0.8	1.6	1.6	1.6	1.6	1.6	1.6
70°	1.6	1.6	0.9	0.0	0.9	1.6	1.6	1.6	1.6	1.6	1.6
67.5°	0.6	0.1	0.0	0.0	0.0	0.1	0.6	1.0	1.4	1.6	1.6
65°	0.5	0.1	0.0	0.0	0.0	0.1	0.5	1.0	1.4	1.8	2.0
62.5°	3.0	3.2	3.3	3.3	3.3	3.2	3.0	2.9	2.8	2.9	3.1
60°	5.9	3.9	3.3	3.3	3.3	3.9	5.9	7.5	8.5	9.3	9.2
57.5°	36.1	26.9	22.9	21.2	22.9	26.9	36.1	42.7	45.9	139.9	169.9
55°	882.6	927.5	961.1	976.6	961.1	927.5	882.6	805.1	696.9	654.0	667.2
52.5°	1225.5	1245.0	1256.3	1255.9	1256.3	1245.0	1225.5	1204.4	1180.5	1140.4	1102.8
50°	1365.9	1375.4	1378.8	1376.7	1378.8	1375.4	1365.9	1351.2	1342.6	1324.2	1257.2
47.5°	2017.6	1843.0	1714.6	1683.8	1714.6	1843.0	2017.6	2096.6	2010.2	1834.2	1634.6
45°	2873.5	2939.8	3005.7	3026.2	3005.7	2939.8	2873.5	2843.4	2780.6	2704.0	2624.8
42.5°	3169.9	3191.5	3203.7	3204.2	3203.7	3191.5	3169.9	3141.8	3075.1	2991.8	2888.9
40°	3311.4	3331.8	3343.6	3344.7	3343.6	3331.8	3311.4	3283.4	3233.4	3160.1	3066.0
37.5°	3439.9	3457.2	3468.6	3480.2	3468.6	3457.2	3439.9	3431.8	3425.1	3350.7	3294.6
35°	4020.5	3889.0	3699.8	3728.5	3699.8	3889.0	4020.5	4035.7	3923.2	3714.2	3814.5
32.5°	5018.7	5074.0	5108.5	5167.3	5108.5	5074.0	5018.7	4967.8	5000.4	4886.1	4639.9
30°	5479.3	5497.5	5525.2	5554.3	5525.2	5497.5	5479.3	5464.7	5455.6	5322.3	5173.7
27.5°	5594.2	5613.1	5630.0	5642.5	5630.0	5613.1	5594.2	5583.4	5563.0	5479.5	5353.1
25°	5654.4	5666.2	5684.1	5699.7	5684.1	5666.2	5654.4	5652.1	5635.6	5584.1	5482.6
22.5°	5684.3	5685.5	5699.5	5719.3	5699.5	5685.5	5684.3	5689.0	5680.8	5658.3	5548.0
20°	5704.8	5693.7	5708.0	5720.9	5708.0	5693.7	5704.8	5712.2	5710.0	5710.5	5618.6
17.5°	5965.9	5816.9	5755.7	5756.8	5755.7	5816.9	5965.9	5817.2	5922.6	5971.2	5946.8
15°	6808.2	6864.1	7078.3	7194.0	7078.3	6864.1	6808.2	6968.5	6825.6	6858.9	6731.9
12.5°	7351.7	7331.8	7306.3	7341.0	7306.3	7331.8	7351.7	7356.9	7384.9	7400.0	7361.8
10°	7376.8	7374.6	7329.2	7378.6	7329.2	7374.6	7376.8	7392.1	7427.9	7453.2	7409.4
7.5°	7361.4	7362.8	7343.5	7391.6	7343.5	7362.8	7361.4	7401.6	7426.2	7441.0	7396.4
5°	7371.6	7338.4	7351.0	7378.6	7351.0	7338.4	7371.6	7375.5	7399.4	7417.1	7390.8
2.5°	7343.1	7339.7	7315.2	7334.5	7315.2	7339.7	7343.1	7358.5	7372.5	7380.3	7380.4
0°	7321.4	7303.4	7303.4	7319.8	7303.4	7303.4	7321.4	7349.2	7373.7	7394.9	7403.1
-2.5°	7360.0	7356.2	7353.9	7342.6	7353.9	7356.2	7360.0	7372.5	7384.6	7395.1	7398.9
-5°	7391.8	7382.0	7355.4	7391.6	7355.4	7382.0	7391.8	7405.4	7425.8	7440.4	7436.2
-7.5°	7426.0	7401.2	7375.7	7432.5	7375.7	7401.2	7426.0	7436.8	7461.2	7480.6	7478.7
-10°	7457.1	7421.3	7396.5	7452.1	7396.5	7421.3	7457.1	7482.2	7503.1	7521.5	7524.8
-12.5°	7498.3	7456.5	7439.9	7470.0	7439.9	7456.5	7498.3	7527.4	7549.9	7563.7	7558.3
-15°	7542.3	7513.3	7509.4	7527.2	7509.4	7513.3	7542.3	7572.7	7590.5	7601.8	7581.6
-17.5°	7580.9	7560.5	7570.6	7590.9	7570.6	7560.5	7580.9	7605.7	7620.5	7625.0	7597.5
-20°	7599.4	7588.0	7599.3	7649.7	7599.3	7588.0	7599.4	7615.2	7625.2	7622.7	7582.7



REPORT NUMBER: P645513 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5C-727-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°	7597.8	7598.5	7618.5	7635.0	7618.5	7598.5	7597.8	7606.4	7605.5	7593.0	7525.8
-25°	7568.8	7584.1	7607.0	7639.9	7607.0	7584.1	7568.8	7568.1	7558.0	7525.4	7457.3
-27.5°	7498.9	7524.2	7548.2	7582.7	7548.2	7524.2	7498.9	7489.1	7471.1	7426.4	7371.0
-30°	7397.8	7428.0	7449.4	7486.3	7449.4	7428.0	7397.8	7379.3	7351.3	7300.1	7216.6
-32.5°	7274.8	7308.9	7334.2	7360.6	7334.2	7308.9	7274.8	7246.6	7216.7	7157.6	7042.4
-35°	7121.0	7157.8	7184.7	7208.7	7184.7	7157.8	7121.0	7084.0	7046.5	6995.7	6864.5
-37.5°	6936.2	6975.8	7006.5	7034.0	7006.5	6975.8	6936.2	6891.8	6852.3	6803.1	6675.6
-40°	6720.9	6761.6	6794.3	6824.9	6794.3	6761.6	6720.9	6670.2	6625.5	6568.1	6457.5
-42.5°	6469.3	6510.3	6544.1	6575.1	6544.1	6510.3	6469.3	6415.3	6360.4	6291.2	6195.6
-45°	6178.6	6220.8	6256.5	6289.3	6256.5	6220.8	6178.6	6122.2	6052.1	5962.0	5848.1
-47.5°	5843.8	5889.0	5919.6	5934.9	5919.6	5889.0	5843.8	5783.8	5702.4	5597.0	5472.2
-50°	5460.1	5505.3	5541.9	5569.0	5541.9	5505.3	5460.1	5400.4	5317.9	5203.7	5071.6
-52.5°	5037.8	5080.8	5112.3	5131.3	5112.3	5080.8	5037.8	4979.6	4899.8	4777.7	4638.4
-55°	4575.4	4620.4	4650.3	4664.3	4650.3	4620.4	4575.4	4515.2	4438.8	4314.4	4177.3
-57.5°	4050.8	4093.6	4125.4	4143.3	4125.4	4093.6	4050.8	3992.4	3918.7	3801.7	3669.7
-60°	3470.5	3508.8	3532.9	3542.3	3532.9	3508.8	3470.5	3417.0	3348.4	3245.5	3124.2
-62.5°	2877.0	2913.2	2935.8	2944.6	2935.8	2913.2	2877.0	2828.4	2768.2	2684.0	2582.6
-65°	2290.2	2312.9	2325.4	2327.2	2325.4	2312.9	2290.2	2256.0	2210.1	2145.5	2066.8
-67.5°	1766.8	1784.1	1794.6	1798.1	1794.6	1784.1	1766.8	1742.9	1712.7	1674.4	1626.3
-70°	1386.3	1398.2	1404.9	1406.1	1404.9	1398.2	1386.3	1368.4	1344.4	1312.3	1273.0
-72.5°	1033.6	1042.2	1039.1	1032.1	1039.1	1042.2	1033.6	1021.5	1005.8	987.7	969.2
-75°	806.3	815.7	811.8	805.1	811.8	815.7	806.3	795.1	782.0	767.2	750.5
-77.5°	644.1	652.7	648.5	641.8	648.5	652.7	644.1	634.0	622.4	609.3	594.0
-80°	460.0	465.0	468.5	470.3	468.5	465.0	460.0	453.7	446.3	438.5	432.4
-82.5°	235.5	228.6	224.1	218.8	224.1	228.6	235.5	241.1	245.4	248.2	249.6
-85°	66.5	65.0	66.1	67.0	66.1	65.0	66.5	67.9	69.0	69.9	75.6
-87.5°	19.0	19.5	19.6	19.6	19.6	19.5	19.0	18.5	18.0	17.4	17.6
-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: P645513 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5C-727-U-LAM-VSR-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°	0.8	1.1	1.5	1.4	1.4	1.3	1.3	1.3	1.2	1.2	1.1
85°	1.5	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
82.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
80°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
77.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
75°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
72.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
70°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.8
67.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.7	1.6	1.6	2.0
65°	2.0	1.9	2.0	2.3	2.3	2.2	2.3	2.3	2.3	2.2	2.1
62.5°	3.3	3.5	3.6	3.6	3.7	4.7	4.1	4.1	3.9	4.7	6.4
60°	7.9	6.2	9.3	10.3	8.9	15.1	25.6	23.1	6.8	37.0	42.7
57.5°	108.1	89.8	188.0	187.4	78.5	106.0	142.0	93.5	61.1	104.7	138.3
55°	753.6	690.2	600.1	590.5	621.6	472.3	394.9	380.0	297.4	193.4	229.7
52.5°	1062.4	999.2	937.7	880.5	833.5	783.3	709.5	629.7	604.2	486.5	375.1
50°	1202.2	1263.7	1203.1	1055.1	1081.4	1010.0	906.0	821.2	838.6	766.6	618.1
47.5°	1630.3	1705.2	1707.1	1618.8	1520.6	1490.3	1337.8	1072.8	1090.6	1087.5	930.2
45°	2386.8	2282.2	2321.2	2197.2	2023.7	1927.8	1922.6	1639.1	1376.7	1334.0	1318.8
42.5°	2801.4	2724.0	2643.8	2551.3	2397.9	2244.8	2150.4	1991.0	1779.9	1593.1	1526.8
40°	2969.1	2878.8	2803.9	2727.4	2603.8	2447.1	2371.0	2161.7	2003.0	1841.3	1787.5
37.5°	3171.7	3000.4	3067.2	2922.4	2807.7	2769.5	2710.5	2492.6	2141.0	2111.5	2084.2
35°	3624.1	3463.9	3618.1	3590.7	3134.2	3185.0	3224.2	2956.5	2588.3	2388.7	2393.0
32.5°	4656.3	4286.9	4174.2	4312.3	4072.2	3673.8	3679.6	3598.1	3095.6	2805.1	2678.0
30°	5030.0	4865.9	4688.2	4664.3	4485.5	4255.0	4108.7	3912.7	3547.0	3215.5	2997.7
27.5°	5191.2	5042.4	4892.8	4777.4	4674.0	4517.5	4326.5	4096.3	3836.1	3539.0	3327.4
25°	5306.3	5139.6	5010.6	4883.1	4771.8	4653.4	4458.2	4234.0	3991.3	3751.8	3524.5
22.5°	5398.8	5243.4	5104.5	4967.4	4877.1	4749.7	4574.3	4342.8	4179.9	4027.6	3732.2
20°	5499.9	5350.1	5193.8	5200.3	5067.3	4854.6	4686.1	4570.9	4548.5	4377.2	3995.8
17.5°	5939.0	5527.2	5603.7	5748.8	5455.7	5069.7	5009.6	5016.0	4945.2	4786.0	4311.7
15°	6879.4	6284.6	6289.9	6389.9	6072.2	5598.0	5488.5	5475.1	5363.7	5187.5	4645.2
12.5°	7175.6	6976.9	6940.4	6791.8	6479.8	6125.4	5995.7	5925.5	5721.0	5380.2	4885.2
10°	7275.7	7160.6	7007.7	6857.7	6668.4	6526.0	6341.3	6085.9	5795.7	5466.9	5064.0
7.5°	7287.6	7168.2	7045.0	6902.2	6736.0	6568.9	6386.3	6132.4	5851.9	5529.4	5190.0
5°	7280.6	7161.6	7047.4	6910.9	6742.3	6580.3	6414.9	6163.9	5889.8	5570.2	5272.9
2.5°	7262.8	7142.4	7033.6	6909.7	6741.8	6585.7	6432.6	6197.6	5916.9	5603.8	5300.5
0°	7288.7	7169.5	7066.6	6927.8	6775.9	6594.6	6441.1	6232.1	5930.0	5626.2	5311.0
-2.5°	7299.9	7176.7	7082.4	6925.9	6800.1	6615.0	6459.4	6257.6	5954.7	5665.6	5336.2
-5°	7358.8	7236.3	7113.1	6956.3	6823.9	6650.8	6475.8	6267.9	5973.2	5686.9	5347.6
-7.5°	7397.5	7273.2	7130.0	6977.8	6844.9	6679.8	6485.8	6268.9	5990.1	5686.6	5353.1
-10°	7421.8	7291.9	7150.4	6994.6	6857.2	6687.3	6482.5	6263.5	5986.7	5673.4	5341.1
-12.5°	7455.8	7309.7	7164.0	6987.1	6849.3	6674.8	6470.3	6251.0	5961.1	5648.5	5310.5
-15°	7468.6	7318.5	7148.2	6974.7	6824.2	6654.5	6443.4	6213.9	5916.3	5610.2	5260.6
-17.5°	7473.9	7303.1	7121.6	6955.2	6793.0	6612.9	6390.2	6146.1	5858.9	5542.7	5194.7
-20°	7469.7	7271.0	7084.0	6902.9	6733.0	6550.2	6320.3	6078.6	5776.8	5455.1	5109.4



REPORT NUMBER: P645513 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5C-727-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°	7393.5	7213.6	7024.3	6827.9	6660.8	6466.9	6241.8	5991.7	5670.1	5359.0	5000.8
-25°	7309.6	7127.8	6932.3	6749.6	6571.7	6379.1	6147.8	5864.2	5558.7	5235.1	4869.0
-27.5°	7210.4	7019.4	6817.4	6631.6	6443.5	6253.9	6014.9	5729.2	5435.1	5081.2	4725.9
-30°	7076.5	6879.3	6673.4	6460.8	6288.9	6095.6	5859.2	5581.7	5265.9	4916.5	4578.4
-32.5°	6894.7	6709.1	6503.3	6301.2	6121.7	5918.8	5680.2	5404.8	5073.3	4742.8	4390.9
-35°	6709.9	6517.7	6321.5	6131.2	5942.1	5729.7	5486.1	5186.3	4869.5	4542.1	4177.0
-37.5°	6498.9	6298.7	6114.3	5933.5	5738.5	5520.7	5251.9	4962.3	4653.4	4293.4	3945.9
-40°	6272.2	6079.4	5878.0	5699.2	5491.3	5271.6	5011.8	4730.3	4390.5	4034.8	3708.2
-42.5°	6003.0	5810.3	5603.0	5404.0	5201.9	4993.0	4758.3	4453.7	4117.1	3781.5	3442.3
-45°	5678.0	5485.2	5281.3	5076.2	4887.0	4684.1	4465.8	4141.0	3808.5	3488.7	3163.2
-47.5°	5312.2	5125.4	4928.7	4725.3	4545.4	4341.7	4075.7	3773.5	3479.3	3175.0	2841.8
-50°	4915.1	4737.2	4555.4	4366.6	4164.6	3934.8	3679.5	3415.9	3124.4	2812.0	2507.7
-52.5°	4481.0	4318.2	4146.6	3965.2	3756.6	3528.5	3289.3	3009.4	2718.7	2453.5	2176.7
-55°	4028.0	3867.3	3697.6	3516.3	3321.8	3096.2	2848.4	2593.9	2356.5	2111.3	1900.1
-57.5°	3526.8	3374.4	3212.8	3041.7	2862.1	2652.2	2434.9	2218.9	2030.9	1840.3	1648.7
-60°	2991.0	2848.8	2711.3	2559.6	2393.8	2213.2	2054.7	1895.4	1735.9	1583.8	1429.4
-62.5°	2472.1	2353.1	2229.5	2106.5	1980.5	1850.0	1718.7	1595.7	1469.9	1341.0	1227.4
-65°	1981.7	1891.2	1793.7	1708.6	1619.2	1524.8	1419.3	1322.8	1231.4	1136.9	1040.3
-67.5°	1570.0	1505.4	1436.6	1369.4	1308.1	1242.8	1168.7	1090.7	1018.2	948.3	877.1
-70°	1231.6	1188.9	1144.2	1095.1	1046.2	997.0	942.4	885.0	826.9	774.5	724.3
-72.5°	945.4	915.8	881.8	846.5	808.8	775.3	738.1	699.3	659.9	620.2	582.3
-75°	731.5	710.1	686.8	660.4	628.5	590.7	562.7	543.8	520.0	491.1	459.5
-77.5°	578.5	562.9	546.2	523.7	500.4	476.4	452.6	429.2	406.0	384.1	364.1
-80°	425.6	418.2	409.0	390.4	371.7	353.2	335.4	321.1	307.6	292.7	274.4
-82.5°	249.8	248.9	246.3	235.9	225.4	215.1	205.1	195.0	184.3	173.2	161.9
-85°	80.7	85.1	88.7	90.5	91.5	91.8	91.2	88.6	85.5	82.0	78.2
-87.5°	17.7	17.7	17.8	18.5	19.1	19.6	20.1	21.1	21.9	22.6	23.2
-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: P645513 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5C-727-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°	1.1	1.0	1.0	0.9	0.9	0.8	0.7	0.7	0.8	0.8	0.9
85°	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.4	1.6	1.7	1.7
82.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.1	2.5	2.6
80°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.7	2.1	2.5	2.9
77.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.7	2.1	2.5	2.9
75°	1.6	1.6	1.6	1.7	1.7	1.6	1.6	1.7	2.1	2.6	3.0
72.5°	1.6	1.6	1.6	1.8	2.1	2.1	1.9	1.8	2.2	2.6	3.0
70°	1.8	1.7	1.6	1.9	2.3	2.6	2.6	2.6	2.3	2.6	3.0
67.5°	2.4	2.5	2.2	2.2	2.4	2.8	3.2	3.7	3.6	2.7	3.1
65°	2.5	2.9	3.4	4.6	4.1	2.9	3.3	6.4	5.1	4.3	3.1
62.5°	5.4	3.0	10.3	13.8	7.8	6.1	4.9	14.3	9.0	6.1	4.4
60°	12.8	10.5	28.8	46.1	32.2	10.9	16.0	24.7	22.7	7.9	6.2
57.5°	119.8	41.2	59.7	86.3	84.8	46.0	33.6	44.8	38.5	22.2	8.7
55°	255.7	215.2	142.1	130.1	140.5	113.4	73.8	72.5	59.5	41.2	14.1
52.5°	350.8	366.0	318.6	222.6	193.8	184.7	144.2	105.1	93.3	61.8	35.8
50°	507.8	472.9	468.1	393.0	271.8	246.0	212.9	164.2	130.9	88.4	60.5
47.5°	717.3	630.1	583.9	550.1	433.7	313.6	279.3	224.5	172.4	127.4	86.3
45°	1025.1	814.4	725.0	670.2	594.3	441.1	349.6	283.2	224.7	171.0	113.4
42.5°	1334.1	1053.0	886.1	797.7	718.7	585.0	424.7	350.7	275.7	215.4	147.7
40°	1606.9	1299.0	1055.5	941.8	840.8	724.0	546.3	423.1	325.7	261.2	186.7
37.5°	1935.4	1579.1	1250.5	1092.8	971.0	840.1	669.7	498.6	385.7	309.1	225.9
35°	2253.1	1941.7	1468.6	1275.3	1115.9	959.2	788.6	587.9	459.5	357.9	265.0
32.5°	2594.2	2282.7	1798.0	1479.0	1265.9	1080.9	899.7	696.5	533.6	407.2	303.9
30°	2862.8	2507.2	2087.1	1683.0	1429.0	1216.7	1010.7	800.7	608.0	456.9	343.3
27.5°	3005.2	2701.4	2315.2	1910.3	1612.7	1355.9	1125.0	900.2	682.2	511.6	384.2
25°	3152.4	2838.3	2478.3	2109.0	1794.0	1503.2	1238.8	995.2	763.3	573.3	424.8
22.5°	3328.6	2954.6	2615.8	2266.4	1981.0	1652.7	1358.2	1091.2	844.3	633.8	464.7
20°	3505.4	3062.6	2751.5	2480.7	2164.5	1814.3	1483.0	1185.0	920.8	692.7	503.7
17.5°	3691.1	3258.8	2981.9	2689.8	2347.5	1970.9	1605.9	1275.8	992.5	749.7	541.6
15°	4014.2	3552.5	3213.9	2893.3	2529.5	2121.6	1725.9	1363.1	1059.4	804.5	576.8
12.5°	4307.5	3826.0	3446.2	3090.0	2708.5	2265.2	1841.7	1446.1	1121.4	848.2	608.3
10°	4550.3	4079.5	3675.7	3278.9	2882.2	2400.9	1952.0	1513.7	1158.6	880.8	637.2
7.5°	4749.1	4313.9	3899.5	3458.6	3031.5	2489.5	2007.6	1553.1	1187.4	908.5	663.6
5°	4892.8	4470.2	4018.4	3521.2	3078.1	2526.0	2045.4	1585.2	1210.7	931.7	687.3
2.5°	4934.1	4518.3	4063.1	3555.5	3109.7	2549.6	2072.5	1609.8	1228.5	950.5	708.4
0°	4958.2	4549.9	4091.0	3576.6	3125.8	2560.8	2088.8	1626.6	1241.2	965.2	726.8
-2.5°	4991.9	4577.2	4118.0	3630.8	3136.5	2595.1	2098.0	1637.6	1257.2	970.5	737.5
-5°	5008.7	4587.9	4131.0	3667.2	3133.7	2615.5	2096.9	1641.1	1267.6	972.3	745.3
-7.5°	5001.3	4584.3	4131.5	3678.7	3119.6	2620.2	2085.5	1637.4	1271.8	971.0	750.2
-10°	4978.8	4565.7	4115.7	3649.1	3106.5	2601.7	2065.2	1627.0	1269.3	966.8	752.1
-12.5°	4944.5	4530.9	4083.5	3606.6	3079.3	2563.5	2041.2	1609.2	1259.1	960.1	750.8
-15°	4900.0	4480.4	4034.5	3552.7	3034.6	2512.7	2005.3	1583.3	1239.1	952.5	746.4
-17.5°	4842.9	4414.5	3968.5	3488.6	2971.6	2449.8	1957.0	1549.5	1214.2	943.3	737.4
-20°	4741.0	4326.0	3884.6	3415.8	2889.8	2375.2	1896.2	1508.0	1184.5	930.1	724.5



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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°	4626.4	4216.4	3780.0	3317.5	2791.3	2289.5	1822.7	1458.6	1150.2	912.9	709.1
-25°	4504.3	4093.0	3658.5	3181.5	2682.5	2198.9	1749.0	1401.4	1111.6	891.7	691.2
-27.5°	4360.8	3953.3	3520.8	3031.8	2556.2	2093.8	1678.4	1350.8	1074.2	866.4	670.8
-30°	4199.6	3789.0	3348.6	2872.0	2417.7	1972.1	1599.2	1296.7	1042.6	838.7	648.1
-32.5°	4014.7	3608.0	3157.9	2708.4	2271.4	1843.2	1511.9	1238.8	1006.1	809.4	627.2
-35°	3804.4	3397.3	2955.8	2532.8	2116.4	1739.0	1426.4	1177.5	964.7	777.7	605.1
-37.5°	3585.3	3171.2	2753.7	2349.4	1951.6	1626.2	1349.6	1116.9	918.4	743.8	580.6
-40°	3335.1	2938.6	2541.5	2160.6	1808.9	1505.0	1266.4	1057.0	874.8	707.6	553.9
-42.5°	3077.3	2694.6	2320.2	1960.6	1668.1	1406.4	1179.3	992.6	828.6	672.7	524.9
-45°	2799.4	2437.1	2084.9	1792.1	1524.9	1301.9	1103.1	925.8	779.4	637.0	495.0
-47.5°	2506.2	2165.5	1871.1	1616.6	1403.2	1197.0	1022.0	868.0	727.7	598.7	465.0
-50°	2195.7	1912.7	1674.0	1464.0	1271.9	1102.5	941.2	807.5	680.3	556.4	433.6
-52.5°	1920.5	1693.7	1496.3	1316.5	1156.2	1003.1	871.6	745.5	631.5	515.9	400.7
-55°	1684.7	1498.8	1332.2	1182.6	1041.5	917.9	799.3	690.4	581.4	475.3	367.5
-57.5°	1481.1	1318.7	1185.3	1055.4	938.8	833.4	733.4	634.1	533.4	433.3	341.0
-60°	1285.5	1164.3	1045.6	941.1	842.4	753.0	671.3	577.8	484.8	391.3	311.8
-62.5°	1116.6	1013.0	923.3	832.2	750.2	677.4	608.6	522.8	435.0	352.4	280.0
-65°	958.2	878.7	802.2	729.6	661.6	599.8	544.3	466.4	384.9	311.1	247.0
-67.5°	807.8	747.9	687.9	626.9	573.4	523.4	475.9	405.5	332.6	267.8	214.3
-70°	673.5	622.3	575.3	530.0	486.6	444.9	400.1	340.6	278.0	228.9	180.8
-72.5°	546.6	509.2	470.2	433.0	400.9	364.3	323.0	276.7	232.7	189.3	146.6
-75°	429.2	404.6	377.1	347.5	317.6	284.9	257.6	225.2	186.9	149.1	118.1
-77.5°	343.4	319.4	291.9	268.3	248.2	225.8	201.1	172.9	142.6	115.9	91.3
-80°	253.4	234.9	219.3	205.8	187.2	166.8	146.3	125.8	103.6	83.0	64.0
-82.5°	154.5	150.5	146.2	139.9	124.5	109.3	94.4	79.8	64.1	49.6	41.1
-85°	77.3	75.7	73.4	70.2	60.7	51.4	47.1	42.7	37.4	32.3	27.4
-87.5°	25.4	27.3	28.9	30.0	27.9	25.7	23.6	21.4	18.7	16.2	13.7
-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°	0.9	0.7	0.6	0.4	0.3	0.2	0.0
85°	1.7	1.4	1.1	0.9	0.6	0.4	0.0
82.5°	2.6	2.1	1.7	1.3	0.9	0.5	0.0
80°	3.3	2.8	2.3	1.7	1.2	0.7	0.0
77.5°	3.3	3.3	2.8	2.1	1.4	0.9	0.0
75°	3.3	3.4	3.3	2.6	1.7	1.1	0.0
72.5°	3.4	3.5	3.5	3.0	2.0	1.2	0.0
70°	3.5	3.7	3.6	3.3	2.3	1.4	0.0
67.5°	3.9	3.8	3.8	3.5	2.6	1.6	0.0
65°	4.4	4.4	3.9	3.6	2.9	1.8	0.0
62.5°	5.2	5.4	4.1	3.8	3.2	1.9	0.0
60°	6.1	6.6	4.3	4.0	3.5	2.1	0.0
57.5°	11.2	7.9	5.6	4.1	3.7	2.3	0.0
55°	17.8	9.3	6.9	4.3	3.9	2.4	0.0
52.5°	25.6	11.9	8.4	4.5	4.1	2.6	0.0
50°	34.5	20.3	9.9	4.7	4.2	2.8	0.0
47.5°	46.3	29.3	11.4	5.1	4.4	2.9	0.0
45°	69.9	39.0	13.1	6.3	4.6	3.1	0.0
42.5°	94.0	49.3	14.7	7.6	4.8	3.2	0.0
40°	118.7	60.1	19.8	9.2	5.0	3.4	0.0
37.5°	143.9	71.6	28.3	11.1	5.3	3.5	0.0
35°	169.4	88.9	37.0	13.3	5.5	3.6	0.0
32.5°	197.1	109.1	45.8	15.7	5.7	3.8	0.0
30°	228.7	129.1	54.6	18.3	5.9	3.9	0.0
27.5°	259.8	148.8	65.5	21.1	6.1	4.0	0.0
25°	290.1	168.2	76.7	24.0	6.3	4.1	0.0
22.5°	319.5	188.0	87.8	27.0	6.5	4.2	0.0
20°	347.9	209.3	98.8	30.1	6.7	4.3	0.0
17.5°	376.0	229.9	109.7	33.3	6.9	4.4	0.0
15°	403.0	249.6	120.3	36.5	7.1	4.5	0.0
12.5°	428.3	268.5	130.5	39.7	7.3	4.6	0.0
10°	451.7	286.3	140.3	42.8	7.5	4.7	0.0
7.5°	473.3	302.9	149.5	45.8	7.7	4.8	0.0
5°	492.8	318.3	158.1	48.7	7.9	4.8	0.0
2.5°	510.4	332.2	166.0	51.4	8.0	4.9	0.0
0°	525.9	344.6	173.1	53.9	8.2	4.9	0.0
-2.5°	533.6	352.5	179.7	57.4	9.5	5.2	0.0
-5°	539.2	358.6	185.3	60.6	10.7	5.5	0.0
-7.5°	542.8	363.2	189.9	63.5	12.0	5.7	0.0
-10°	544.4	366.0	193.3	66.0	13.1	5.9	0.0
-12.5°	544.1	367.1	195.6	68.1	14.3	6.2	0.0
-15°	542.0	366.6	196.7	69.8	15.3	6.4	0.0
-17.5°	538.0	364.4	196.6	71.0	16.3	6.6	0.0
-20°	531.9	360.5	195.2	71.8	17.2	6.7	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	523.0	355.0	192.4	72.0	18.0	6.8	0.0
-25°	512.0	346.5	188.3	71.6	18.7	7.0	0.0
-27.5°	499.0	335.9	182.8	70.8	19.3	7.0	0.0
-30°	484.0	323.7	176.0	69.3	19.8	7.1	0.0
-32.5°	466.9	310.2	168.0	67.3	20.2	7.1	0.0
-35°	448.5	295.2	159.1	64.7	20.5	7.1	0.0
-37.5°	428.6	280.2	149.3	61.4	20.6	7.1	0.0
-40°	407.2	266.6	138.6	57.6	20.7	7.0	0.0
-42.5°	384.4	252.0	130.5	53.5	20.5	6.9	0.0
-45°	360.1	236.5	125.0	49.3	20.3	6.7	0.0
-47.5°	334.4	220.1	118.5	44.5	19.9	6.6	0.0
-50°	312.9	202.8	111.0	42.9	19.4	6.4	0.0
-52.5°	291.4	184.7	102.5	42.1	18.8	6.1	0.0
-55°	269.1	171.0	93.2	40.8	18.1	5.9	0.0
-57.5°	245.9	157.1	82.9	39.0	17.2	5.6	0.0
-60°	222.4	141.9	72.1	36.8	16.2	5.3	0.0
-62.5°	201.0	125.6	67.0	34.2	15.2	4.9	0.0
-65°	178.0	108.1	61.2	31.2	14.2	4.6	0.0
-67.5°	153.5	93.4	54.7	27.8	13.0	4.2	0.0
-70°	127.7	81.8	47.5	24.1	11.8	3.8	0.0
-72.5°	108.1	69.2	39.9	21.3	10.5	3.4	0.0
-75°	88.3	55.9	31.7	18.5	9.1	2.9	0.0
-77.5°	67.6	41.9	26.2	15.6	7.6	2.4	0.0
-80°	46.2	32.0	21.2	12.6	6.2	2.0	0.0
-82.5°	33.9	24.2	16.0	9.5	4.7	1.5	0.0
-85°	22.7	16.2	10.7	6.4	3.1	1.0	0.0
-87.5°	11.4	8.1	5.4	3.2	1.6	0.5	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)