

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: P645545 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA5E-750-U-LAM-VSR-XX

Issue Date: 2/28/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P645545 (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-SA5E-750-U-LAM-VSR-XX  
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, LAMBERTIAN WITH VISOR  
Light Source: (80) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

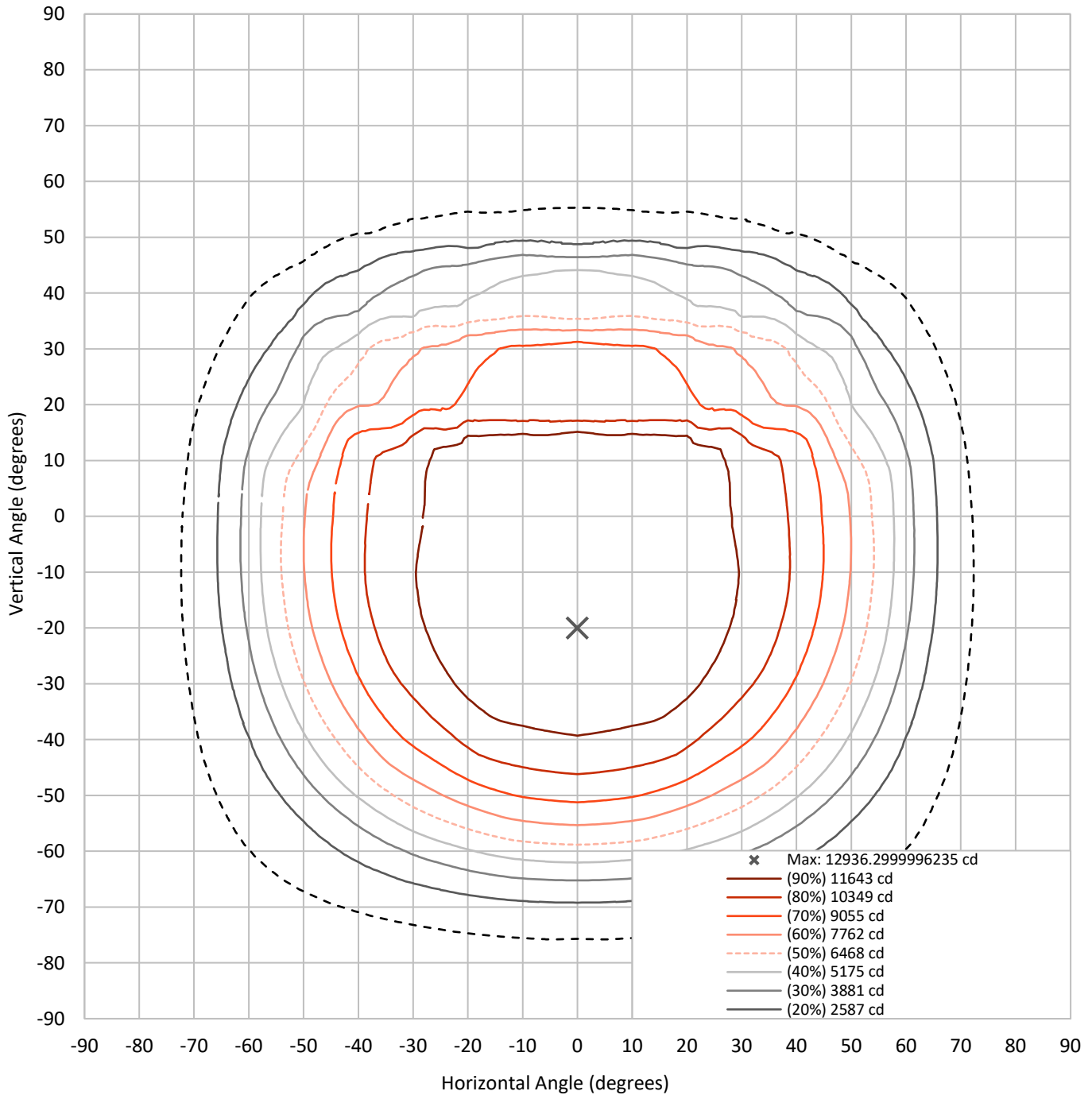
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	30333 lumens	Max Intensity:	12936.3 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -20°V
Efficacy:	96.7 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:	23712.5 lumens	Field Lumens:	29730.6 lumens
Beam Efficiency:	78.2%	Field Efficiency:	98.0%
Input Watts (W):	313.7		
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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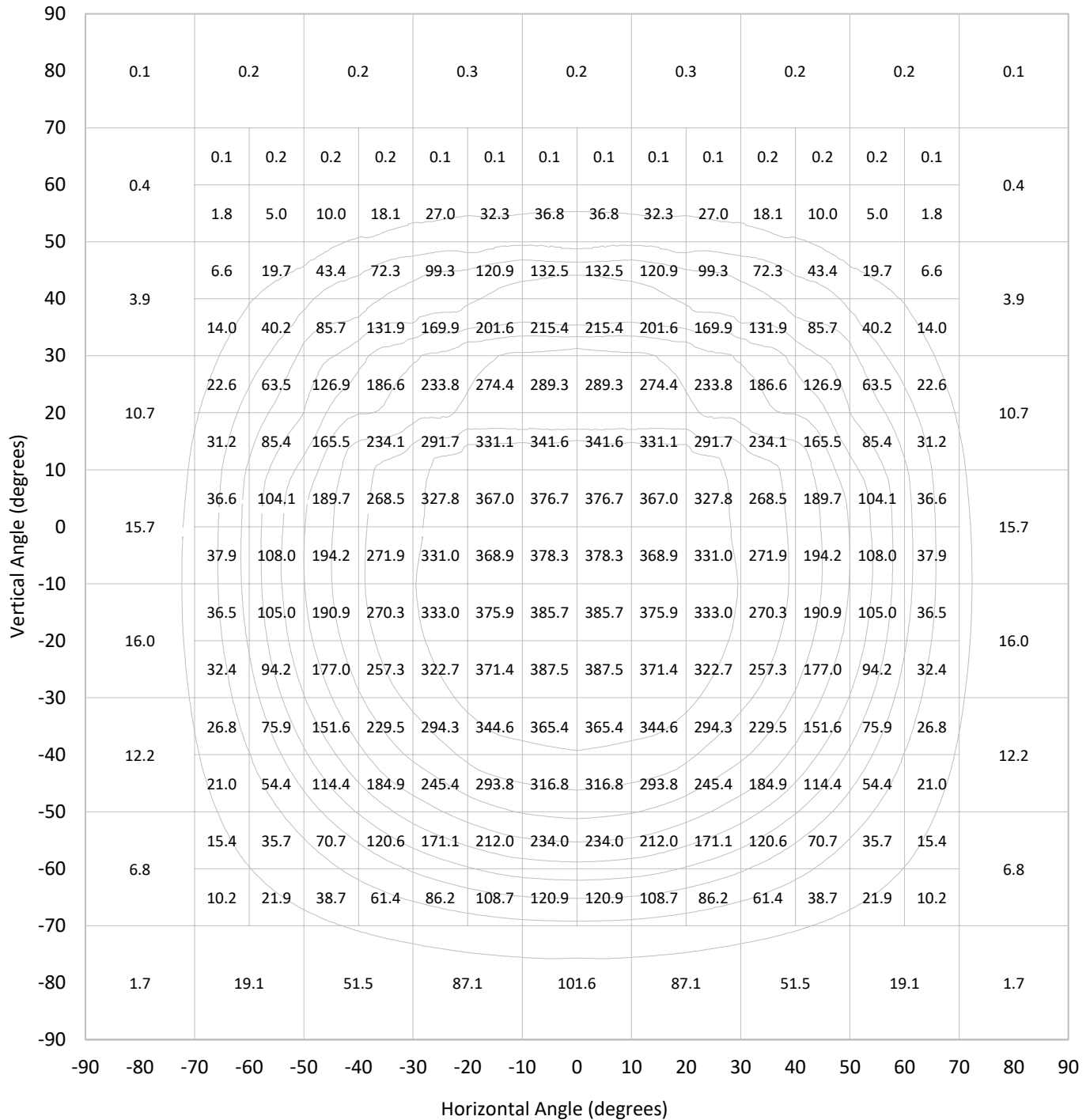
### Iso-Candela Plot





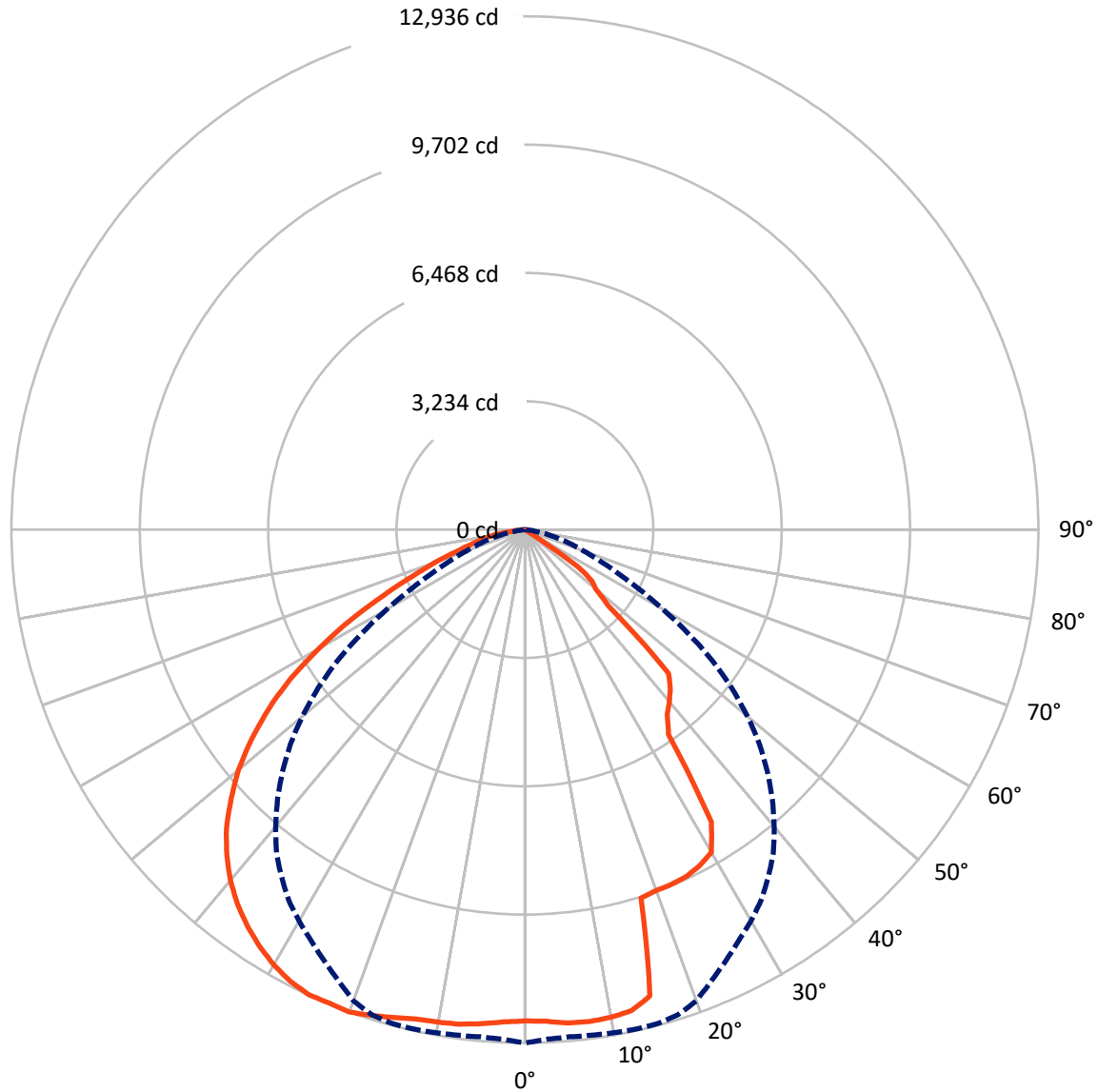
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### Lumen Table



REPORT NUMBER: P645545 (CONVERTED FROM TYPE C PHOTOMETRY)  
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### Luminous Intensity Polar Plot

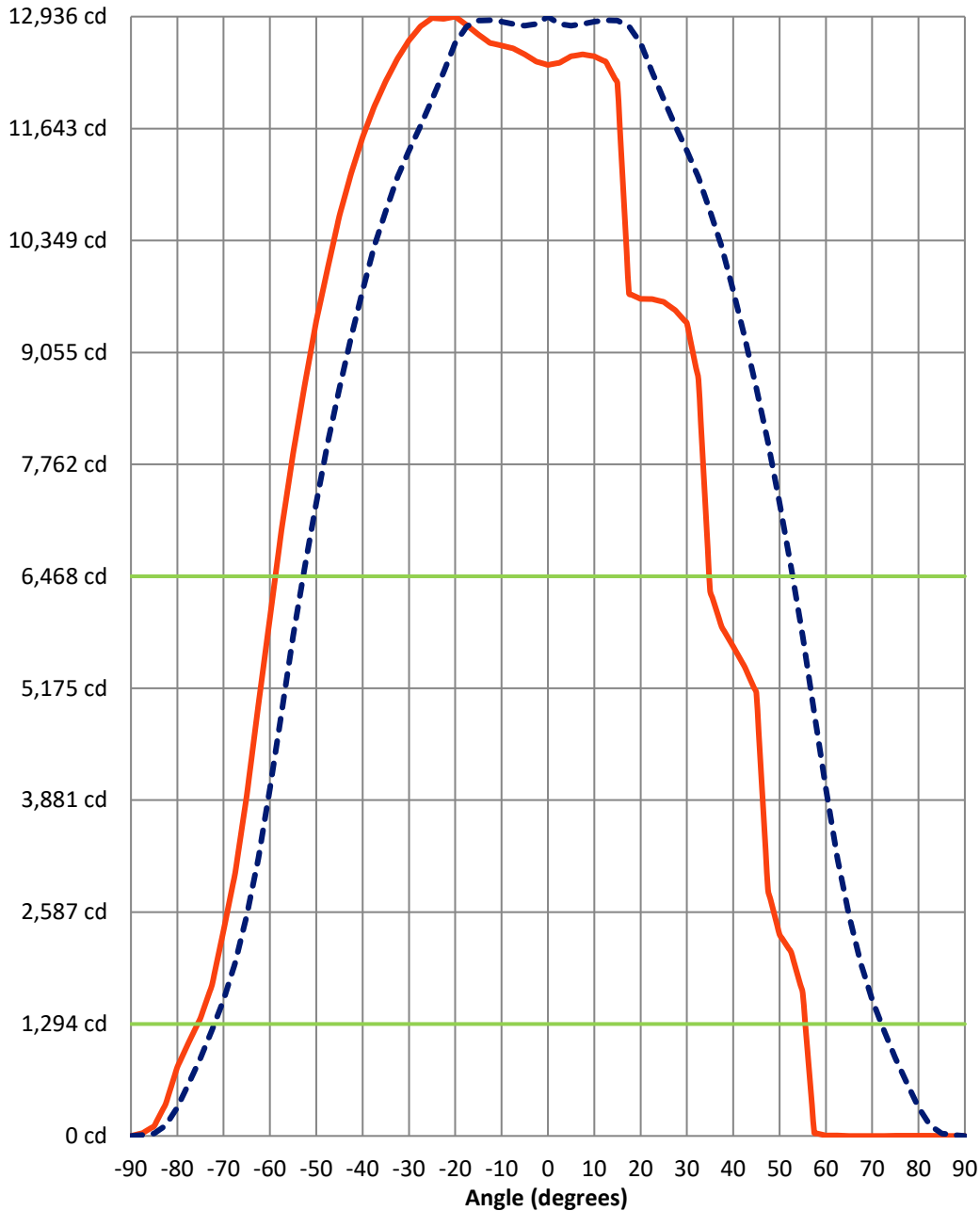


— Vertical Distribution Through 0-Deg    - - - Horizontal Distribution Through -20-Deg



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 105.6°  
 V Angle: 93.7°  
 Lumens: 23712.5  
 Efficiency: 78.2%

**Field:**  
 H Angle: 144°  
 V Angle: 131.2°  
 Lumens: 29730.6  
 Efficiency: 98.0%

**Spill:**  
 Lumens: 602.4  
 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	0.3	0.5	0.7	1.0	1.2	1.4	1.5	1.4	1.3	1.2
85°	0.0	0.6	1.0	1.4	1.9	2.4	2.8	2.9	2.8	2.7	2.4
82.5°	0.0	0.9	1.4	2.1	2.9	3.6	4.3	4.4	4.2	3.5	2.9
80°	0.0	1.2	1.9	2.9	3.8	4.7	5.5	4.9	4.2	3.6	2.9
77.5°	0.0	1.5	2.4	3.6	4.7	5.6	5.5	4.9	4.3	3.6	2.9
75°	0.0	1.8	2.9	4.3	5.5	5.7	5.6	5.0	4.3	3.7	3.0
72.5°	0.0	2.1	3.4	4.9	5.8	5.9	5.6	5.0	4.4	3.7	3.1
70°	0.0	2.4	3.9	5.6	6.1	6.1	5.8	5.1	4.5	3.9	4.4
67.5°	0.0	2.7	4.4	5.8	6.3	6.4	6.5	5.2	4.6	6.1	6.2
65°	0.0	3.0	4.9	6.1	6.6	7.3	7.4	5.2	7.3	8.6	10.8
62.5°	0.0	3.3	5.4	6.4	6.9	9.1	8.6	7.4	10.2	15.1	24.1
60°	0.0	3.5	5.9	6.7	7.3	11.1	10.2	10.4	13.3	38.3	41.7
57.5°	0.0	3.8	6.2	7.0	9.4	13.3	18.9	14.7	37.6	65.1	75.7
55°	0.0	4.1	6.5	7.3	11.7	15.7	30.1	23.8	69.7	100.6	122.5
52.5°	0.0	4.4	6.8	7.6	14.1	20.1	43.2	60.5	104.6	157.8	177.7
50°	0.0	4.6	7.1	7.9	16.6	34.3	58.3	102.3	149.6	221.4	277.7
47.5°	0.0	4.9	7.5	8.6	19.3	49.6	78.4	146.0	215.5	291.6	379.7
45°	0.0	5.2	7.8	10.7	22.0	65.9	118.2	191.7	289.2	380.0	478.9
42.5°	0.0	5.4	8.1	12.9	24.9	83.3	159.0	249.8	364.3	466.2	593.1
40°	0.0	5.7	8.5	15.5	33.5	101.7	200.7	315.8	441.6	550.7	715.5
37.5°	0.0	5.9	8.9	18.8	47.9	121.1	243.3	381.9	522.7	652.3	843.2
35°	0.0	6.1	9.2	22.5	62.5	150.4	286.5	448.1	605.1	777.0	994.2
32.5°	0.0	6.4	9.6	26.6	77.4	184.4	333.3	514.0	688.6	902.4	1177.8
30°	0.0	6.6	9.9	31.0	92.3	218.2	386.8	580.5	772.7	1028.1	1354.0
27.5°	0.0	6.8	10.3	35.6	110.7	251.6	439.3	649.8	865.2	1153.6	1522.3
25°	0.0	7.0	10.7	40.5	129.6	284.5	490.5	718.3	969.5	1290.8	1682.9
22.5°	0.0	7.2	11.0	45.7	148.4	318.0	540.2	785.7	1071.7	1427.8	1845.4
20°	0.0	7.3	11.4	50.9	167.1	353.9	588.3	851.7	1171.4	1557.1	2003.9
17.5°	0.0	7.5	11.7	56.3	185.5	388.7	635.8	915.8	1267.8	1678.4	2157.5
15°	0.0	7.7	12.0	61.7	203.4	422.1	681.5	975.4	1360.5	1791.6	2305.1
12.5°	0.0	7.8	12.4	67.0	220.7	454.0	724.2	1028.5	1434.4	1896.4	2445.5
10°	0.0	7.9	12.7	72.3	237.3	484.1	763.9	1077.5	1489.5	1959.3	2559.9
7.5°	0.0	8.0	13.0	77.4	252.9	512.2	800.3	1122.1	1536.4	2008.0	2626.6
5°	0.0	8.1	13.3	82.3	267.5	538.2	833.4	1162.3	1575.5	2047.3	2680.8
2.5°	0.0	8.2	13.5	86.9	280.8	561.7	863.1	1197.9	1607.3	2077.6	2722.3
0°	0.0	8.3	13.8	91.1	292.8	582.7	889.3	1229.0	1632.2	2099.0	2750.8
-2.5°	0.0	8.8	16.0	97.0	303.9	596.0	902.3	1247.1	1641.2	2126.1	2769.4
-5°	0.0	9.2	18.1	102.5	313.4	606.5	911.8	1260.4	1644.2	2143.7	2775.3
-7.5°	0.0	9.7	20.1	107.4	321.1	614.1	917.9	1268.6	1642.0	2150.8	2769.1
-10°	0.0	10.1	22.1	111.6	327.0	618.9	920.7	1271.8	1634.9	2146.6	2751.5
-12.5°	0.0	10.4	24.0	115.2	330.9	620.8	920.2	1269.7	1623.6	2129.3	2721.3
-15°	0.0	10.8	25.8	118.0	332.8	619.9	916.6	1262.2	1610.8	2095.5	2677.5
-17.5°	0.0	11.1	27.5	120.1	332.5	616.2	909.9	1247.0	1595.1	2053.3	2620.5
-20°	0.0	11.4	29.0	121.3	330.1	609.7	899.5	1225.2	1572.8	2003.0	2550.2



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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	11.6	30.4	121.7	325.5	600.4	884.4	1199.2	1543.8	1945.1	2466.6
-25°	0.0	11.8	31.6	121.1	318.5	586.0	865.9	1168.9	1507.9	1879.8	2370.0
-27.5°	0.0	11.9	32.7	119.6	309.2	568.0	843.9	1134.5	1465.1	1816.6	2284.3
-30°	0.0	12.0	33.5	117.2	297.6	547.5	818.4	1096.1	1418.4	1763.1	2192.8
-32.5°	0.0	12.0	34.2	113.7	284.1	524.6	789.6	1060.6	1368.8	1701.4	2095.0
-35°	0.0	12.0	34.6	109.3	269.0	499.3	758.4	1023.2	1315.2	1631.4	1991.2
-37.5°	0.0	11.9	34.9	103.8	252.5	473.9	724.8	981.9	1257.8	1553.2	1888.7
-40°	0.0	11.8	34.9	97.3	234.4	450.9	688.6	936.7	1196.7	1479.3	1787.5
-42.5°	0.0	11.6	34.7	90.4	220.7	426.3	650.0	887.7	1137.6	1401.3	1678.5
-45°	0.0	11.4	34.3	83.3	211.4	400.0	608.9	837.1	1077.2	1318.0	1565.6
-47.5°	0.0	11.1	33.7	75.2	200.4	372.3	565.5	786.4	1012.4	1230.7	1467.9
-50°	0.0	10.8	32.8	72.5	187.7	343.0	529.2	733.2	940.9	1150.6	1365.6
-52.5°	0.0	10.4	31.8	71.1	173.4	312.4	492.9	677.6	872.4	1068.0	1260.7
-55°	0.0	10.0	30.5	68.9	157.5	289.3	455.1	621.4	803.8	983.2	1167.5
-57.5°	0.0	9.5	29.1	65.9	140.1	265.7	415.9	576.7	732.7	901.9	1072.3
-60°	0.0	8.9	27.4	62.2	121.9	240.0	376.2	527.3	661.7	819.9	977.1
-62.5°	0.0	8.4	25.8	57.7	113.3	212.3	339.9	473.5	595.9	735.5	884.0
-65°	0.0	7.7	23.9	52.7	103.4	182.7	301.0	417.8	526.2	650.9	788.6
-67.5°	0.0	7.1	22.0	47.0	92.4	157.9	259.6	362.4	452.9	562.5	685.7
-70°	0.0	6.4	19.9	40.8	80.4	138.2	216.0	305.8	387.1	470.1	576.0
-72.5°	0.0	5.7	17.7	35.9	67.4	117.0	182.7	247.9	320.2	393.6	467.9
-75°	0.0	4.9	15.3	31.2	53.7	94.5	149.4	199.7	252.0	316.0	380.8
-77.5°	0.0	4.1	12.9	26.3	44.3	70.9	114.4	154.4	196.0	241.0	292.4
-80°	0.0	3.3	10.4	21.3	35.8	54.1	78.1	108.2	140.4	175.2	212.7
-82.5°	0.0	2.5	7.9	16.1	27.1	40.9	57.3	69.5	83.9	108.4	134.9
-85°	0.0	1.7	5.3	10.8	18.2	27.4	38.4	46.4	54.7	63.3	72.2
-87.5°	0.0	0.8	2.6	5.4	9.1	13.7	19.3	23.2	27.4	31.7	36.2
-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):**

	-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°	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.1	2.2
85°	2.6	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
82.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
80°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
77.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
75°	2.8	2.8	3.0	2.9	2.8	2.8	2.8	2.8	2.8	2.8	2.8
72.5°	3.2	3.6	3.5	3.1	2.8	2.8	2.8	2.8	2.8	2.8	2.8
70°	4.3	4.5	3.9	3.2	2.8	2.9	3.2	3.1	2.8	2.8	2.8
67.5°	5.3	4.7	4.0	3.8	3.8	4.2	4.1	3.4	2.8	2.8	2.9
65°	5.4	4.8	6.9	7.8	5.7	4.9	4.2	3.6	3.8	4.0	4.0
62.5°	8.2	10.3	13.2	23.4	17.4	5.1	9.1	10.7	7.9	6.5	7.0
60°	27.0	18.4	54.4	78.0	48.7	17.7	21.7	72.1	62.5	11.5	39.0
57.5°	56.7	77.8	143.3	145.9	100.9	69.6	202.5	234.0	177.1	103.4	158.1
55°	124.9	191.9	237.7	220.0	240.2	363.9	432.3	388.4	327.0	503.0	642.6
52.5°	244.0	312.3	327.8	376.4	538.8	619.0	593.2	634.4	822.7	1021.7	1064.8
50°	360.1	416.0	459.6	664.6	791.6	799.6	858.7	1045.2	1296.4	1418.1	1388.7
47.5°	472.4	530.4	733.4	930.3	987.4	1065.5	1213.1	1573.1	1839.1	1844.3	1814.2
45°	591.1	745.9	1005.0	1133.5	1226.0	1377.3	1733.5	2230.2	2255.9	2328.1	2771.9
42.5°	718.2	989.3	1215.4	1349.0	1498.5	1780.8	2256.2	2582.0	2694.0	3009.9	3366.9
40°	923.9	1224.4	1421.9	1592.6	1785.0	2196.8	2717.4	3022.7	3113.8	3387.3	3655.6
37.5°	1132.5	1420.7	1642.1	1848.1	2114.7	2670.4	3272.9	3524.6	3570.7	3620.7	4215.3
35°	1333.6	1622.1	1887.1	2156.6	2483.5	3283.6	3810.1	4046.9	4039.6	4377.1	4999.7
32.5°	1521.5	1827.9	2140.7	2501.2	3040.6	3860.3	4387.1	4528.8	4743.7	5234.9	6084.7
30°	1709.1	2057.5	2416.6	2846.1	3529.5	4239.9	4841.3	5069.3	5437.7	5998.2	6616.7
27.5°	1902.4	2292.9	2727.2	3230.5	3915.3	4568.4	5082.0	5626.9	5984.8	6487.1	6927.1
25°	2094.9	2542.1	3033.8	3566.5	4191.1	4799.8	5331.0	5960.2	6344.5	6749.5	7160.0
22.5°	2296.8	2794.8	3350.1	3832.7	4423.6	4996.5	5628.9	6311.5	6811.1	7068.5	7344.1
20°	2507.9	3068.1	3660.4	4195.1	4653.1	5179.2	5928.0	6757.3	7402.3	7692.0	7729.7
17.5°	2715.8	3333.0	3969.8	4548.7	5042.7	5511.0	6242.1	7291.4	8093.5	8362.8	8482.5
15°	2918.7	3587.8	4277.6	4892.8	5435.1	6007.7	6788.4	7855.5	8772.5	9070.5	9258.9
12.5°	3114.4	3830.7	4580.3	5225.5	5827.8	6470.1	7284.5	8261.4	9098.4	9674.8	10020.5
10°	3301.0	4060.1	4874.1	5544.8	6216.0	6898.9	7695.0	8563.7	9245.1	9801.0	10291.7
7.5°	3395.1	4210.0	5126.6	5848.8	6594.4	7295.2	8031.2	8776.9	9350.8	9896.0	10370.4
5°	3459.0	4271.6	5205.4	5954.7	6795.5	7559.6	8274.1	8916.9	9419.8	9960.1	10423.6
2.5°	3504.7	4311.5	5258.8	6012.7	6871.0	7640.9	8344.1	8963.7	9476.7	10006.0	10480.6
0°	3532.3	4330.5	5286.1	6048.3	6918.3	7694.4	8384.8	8981.4	9514.4	10028.1	10539.0
-2.5°	3547.9	4388.5	5304.2	6140.0	6964.0	7740.5	8441.7	9024.0	9581.1	10069.8	10582.1
-5°	3545.9	4423.0	5299.4	6201.6	6985.9	7758.5	8470.2	9043.3	9617.2	10101.1	10599.6
-7.5°	3526.7	4431.0	5275.5	6220.9	6986.8	7752.4	8457.7	9052.6	9616.6	10129.8	10601.2
-10°	3492.4	4399.7	5253.4	6171.0	6960.0	7721.0	8419.5	9032.3	9594.1	10124.0	10592.0
-12.5°	3451.9	4335.1	5207.4	6099.1	6905.5	7662.2	8361.6	8980.6	9552.1	10080.7	10570.9
-15°	3391.2	4249.2	5131.7	6007.8	6822.6	7576.8	8286.3	8896.1	9487.4	10005.0	10508.2
-17.5°	3309.5	4142.8	5025.2	5899.5	6710.9	7465.3	8189.8	8784.7	9373.1	9907.9	10393.6
-20°	3206.7	4016.7	4887.0	5776.4	6569.1	7315.6	8017.4	8640.5	9225.0	9769.1	10279.5

Classified

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Scaled Data Report



REPORT NUMBER: P645545 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA5E-750-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°	3082.3	3871.7	4720.4	5610.2	6392.3	7130.3	7823.7	8456.8	9062.5	9588.7	10132.5
-25°	2957.8	3718.5	4536.3	5380.3	6186.8	6921.6	7617.2	8233.9	8853.0	9400.3	9916.9
-27.5°	2838.4	3540.8	4322.7	5127.0	5954.0	6685.3	7374.6	7991.8	8592.7	9191.2	9688.5
-30°	2704.5	3335.1	4088.5	4856.8	5662.9	6407.5	7101.9	7742.3	8314.2	8905.1	9439.2
-32.5°	2556.7	3117.0	3841.1	4580.2	5340.3	6101.4	6789.3	7425.4	8020.4	8579.3	9139.9
-35°	2412.3	2940.8	3579.0	4283.2	4998.6	5745.2	6433.6	7063.6	7681.1	8234.7	8770.4
-37.5°	2282.3	2750.0	3300.3	3973.0	4656.7	5362.9	6063.0	6673.0	7260.5	7869.2	8391.6
-40°	2141.6	2545.1	3059.0	3653.7	4297.9	4969.5	5639.9	6270.9	6823.3	7424.8	7999.3
-42.5°	1994.4	2378.3	2820.9	3315.5	3923.7	4556.9	5204.1	5821.2	6394.9	6962.3	7531.7
-45°	1865.4	2201.7	2578.7	3030.6	3525.8	4121.3	4734.1	5349.3	5899.7	6440.6	7002.8
-47.5°	1728.2	2024.2	2372.8	2733.7	3164.1	3662.1	4238.3	4805.8	5369.2	5883.8	6381.4
-50°	1591.6	1864.4	2150.9	2475.8	2831.0	3234.6	3713.2	4240.7	4755.4	5283.7	5776.6
-52.5°	1473.9	1696.3	1955.2	2226.3	2530.4	2864.4	3247.8	3681.0	4149.2	4597.5	5089.2
-55°	1351.7	1552.2	1761.1	1999.9	2252.9	2534.7	2849.1	3213.3	3570.4	3985.1	4386.5
-57.5°	1240.3	1409.4	1587.5	1784.7	2004.4	2230.0	2504.7	2788.1	3112.2	3434.4	3752.3
-60°	1135.2	1273.4	1424.6	1591.5	1768.1	1968.8	2173.9	2417.2	2678.3	2935.5	3205.2
-62.5°	1029.2	1145.5	1268.8	1407.4	1561.4	1713.1	1888.2	2075.6	2267.7	2485.7	2698.4
-65°	920.4	1014.3	1118.8	1233.9	1356.8	1485.9	1620.4	1759.2	1922.6	2082.4	2237.0
-67.5°	804.8	885.2	969.7	1060.2	1163.3	1264.8	1366.1	1483.3	1603.6	1721.9	1844.4
-70°	676.6	752.4	822.9	896.3	972.9	1052.4	1138.9	1224.9	1309.7	1398.3	1496.7
-72.5°	546.2	616.0	678.0	732.2	795.2	861.2	924.4	984.8	1048.8	1116.1	1182.7
-75°	435.6	481.8	537.1	587.7	637.7	684.2	725.9	777.1	830.5	879.4	919.6
-77.5°	340.0	381.9	419.8	453.7	493.6	540.1	580.8	615.6	649.6	686.6	725.7
-80°	247.3	282.1	316.6	348.0	371.0	397.3	428.5	464.1	495.0	520.1	543.0
-82.5°	159.7	184.8	210.5	236.6	247.2	254.5	261.3	273.7	292.8	311.7	329.7
-85°	79.6	86.9	102.6	118.6	124.2	128.0	130.7	132.2	138.6	144.6	149.9
-87.5°	39.8	43.5	47.1	50.7	48.8	46.2	43.0	39.1	38.2	37.0	35.6
-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: P645545 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-750-U-LAM-VSR-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°	2.3	2.4	2.4	2.5	2.5	1.9	1.3	0.7	0.0	0.0	0.0
85°	2.8	2.8	2.8	2.8	2.8	2.7	2.6	2.6	2.6	2.0	1.4
82.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.7
80°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
77.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
75°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
72.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
70°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
67.5°	3.0	2.8	2.8	2.8	2.9	2.8	2.8	2.8	2.8	2.5	1.8
65°	3.9	3.8	4.0	3.9	3.4	3.3	3.5	3.4	3.1	2.4	1.7
62.5°	6.9	7.8	6.2	6.1	6.0	5.8	5.6	5.3	4.9	4.7	4.8
60°	43.3	25.6	15.0	17.5	15.7	10.5	13.3	15.6	15.7	14.4	12.7
57.5°	240.1	179.3	132.8	316.9	317.9	151.8	182.8	287.3	236.7	77.7	72.2
55°	667.8	798.7	1051.3	998.5	1014.8	1167.1	1274.5	1128.3	1106.1	1178.7	1361.5
52.5°	1199.8	1324.6	1409.5	1488.9	1585.7	1689.7	1796.7	1864.9	1928.5	1996.4	2036.7
50°	1532.1	1708.0	1828.8	1784.4	2034.6	2137.0	2033.0	2125.9	2239.3	2270.3	2285.0
47.5°	2262.3	2520.2	2571.4	2737.6	2886.9	2883.7	2757.0	2764.3	3101.7	3399.3	3545.5
45°	3251.2	3260.0	3422.2	3715.6	3925.4	3859.4	4036.4	4438.7	4572.7	4702.2	4808.4
42.5°	3636.5	3796.2	4055.0	4314.4	4470.8	4606.4	4737.5	4885.4	5059.3	5200.4	5313.1
40°	4009.6	4138.2	4403.2	4612.2	4741.7	4868.3	5021.0	5184.9	5344.1	5468.0	5552.6
37.5°	4583.8	4683.5	4748.0	4942.0	5186.9	5073.9	5363.7	5571.4	5666.3	5792.2	5803.5
35°	5452.4	5386.1	5300.2	6072.3	6118.5	5857.7	6128.7	6450.8	6281.0	6634.6	6824.6
32.5°	6222.5	6212.6	6886.6	7292.5	7058.9	7249.6	7874.3	7846.6	8262.9	8456.1	8401.0
30°	6948.0	7195.7	7585.4	7887.7	7928.2	8228.8	8506.2	8749.2	9000.6	9225.8	9241.3
27.5°	7316.4	7639.4	7904.0	8079.0	8274.2	8527.1	8778.9	9052.5	9266.3	9407.5	9442.1
25°	7539.2	7869.2	8069.5	8257.8	8473.3	8691.6	8973.5	9271.4	9443.1	9530.3	9558.1
22.5°	7735.6	8032.2	8247.5	8400.3	8632.2	8867.0	9129.8	9382.1	9568.7	9606.7	9620.6
20°	7924.7	8209.6	8569.3	8794.2	8783.1	9047.5	9300.8	9501.5	9657.0	9656.1	9659.8
17.5°	8471.7	8573.4	9226.2	9721.7	9476.4	9346.9	10043.3	10056.5	10097.9	10015.6	9837.5
15°	9281.5	9466.7	10268.7	10805.9	10636.7	10627.8	11633.7	11384.3	11599.0	11542.8	11784.3
12.5°	10139.4	10358.7	10957.9	11485.4	11736.8	11798.6	12134.6	12449.4	12514.1	12488.5	12441.1
10°	10723.8	11036.1	11276.8	11597.0	11850.6	12109.2	12303.8	12529.9	12603.9	12561.1	12500.7
7.5°	10799.9	11108.6	11391.1	11672.1	11913.6	12122.0	12323.9	12508.0	12583.3	12558.4	12516.9
5°	10848.3	11127.9	11401.9	11686.9	11917.8	12110.9	12312.2	12498.6	12543.1	12513.1	12472.6
2.5°	10878.1	11136.9	11401.0	11684.8	11894.5	12078.4	12282.1	12481.1	12480.7	12467.6	12443.9
0°	10892.5	11152.1	11458.7	11715.6	11950.3	12124.3	12325.9	12519.2	12505.4	12469.5	12428.1
-2.5°	10923.5	11186.6	11499.5	11712.3	11977.0	12136.3	12344.8	12512.2	12505.8	12488.0	12467.5
-5°	10951.2	11247.1	11539.8	11763.6	12028.9	12237.3	12444.4	12575.3	12582.4	12557.8	12523.2
-7.5°	10968.1	11296.0	11575.3	11800.1	12057.4	12299.8	12509.9	12647.2	12650.3	12617.6	12576.3
-10°	10962.5	11308.7	11596.1	11828.5	12092.0	12331.3	12550.9	12725.1	12719.5	12688.4	12653.1
-12.5°	10941.8	11287.6	11582.7	11815.8	12115.0	12361.4	12608.5	12781.8	12791.0	12767.6	12729.5
-15°	10896.3	11253.3	11540.4	11794.9	12088.2	12376.2	12630.1	12821.2	12855.3	12836.2	12806.1
-17.5°	10806.3	11183.0	11487.6	11761.9	12043.2	12350.2	12639.0	12848.0	12894.6	12887.0	12862.0
-20°	10688.2	11077.0	11386.1	11673.4	11979.7	12295.9	12632.0	12823.0	12890.6	12894.9	12878.0



REPORT NUMBER: P645545 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-750-U-LAM-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	10555.5	10936.2	11264.1	11546.5	11878.7	12198.8	12503.1	12726.8	12840.5	12861.5	12863.0
-25°	10396.5	10787.6	11113.4	11414.2	11723.2	12053.7	12361.2	12611.0	12726.2	12781.2	12798.3
-27.5°	10171.7	10576.0	10896.6	11214.6	11528.8	11870.3	12193.4	12465.0	12558.7	12634.4	12664.7
-30°	9908.4	10308.2	10635.1	10925.8	11285.4	11633.5	11967.0	12203.9	12345.3	12431.9	12479.1
-32.5°	9605.7	10009.3	10352.4	10655.9	10997.7	11345.8	11659.5	11909.4	12104.3	12204.2	12254.7
-35°	9277.5	9689.4	10048.6	10368.4	10690.1	11022.0	11347.1	11608.5	11830.5	11916.3	11979.7
-37.5°	8881.4	9336.0	9704.3	10034.1	10339.8	10651.7	10990.2	11289.1	11504.7	11587.9	11654.8
-40°	8475.4	8914.7	9286.2	9637.9	9940.2	10280.8	10606.9	10920.1	11107.1	11204.2	11279.9
-42.5°	8046.8	8443.7	8796.9	9138.6	9475.1	9825.7	10151.6	10477.2	10639.0	10756.0	10848.8
-45°	7552.0	7921.3	8264.5	8584.3	8931.2	9275.9	9602.0	9889.7	10082.2	10234.5	10353.1
-47.5°	6892.3	7342.1	7686.8	7990.9	8334.9	8667.5	8983.5	9254.0	9465.1	9643.3	9780.9
-50°	6222.3	6654.0	7042.7	7384.4	7703.5	8011.1	8311.9	8576.5	8799.9	8993.0	9132.5
-52.5°	5562.5	5967.0	6352.7	6705.5	7012.2	7302.5	7577.7	7844.0	8079.6	8286.1	8420.9
-55°	4816.9	5236.0	5617.5	5946.5	6253.0	6539.9	6811.6	7064.1	7296.1	7506.4	7635.6
-57.5°	4117.6	4485.1	4840.1	5143.8	5433.1	5706.4	5964.0	6205.7	6429.0	6626.9	6751.5
-60°	3474.7	3742.7	4048.2	4328.6	4585.0	4817.6	5058.0	5283.3	5488.4	5662.4	5778.5
-62.5°	2906.4	3128.5	3349.1	3562.3	3770.4	3979.4	4180.6	4367.5	4538.8	4681.3	4783.1
-65°	2400.1	2578.6	2738.1	2889.3	3033.4	3198.2	3351.2	3495.1	3628.3	3737.6	3815.1
-67.5°	1976.3	2101.7	2212.0	2315.7	2429.4	2545.9	2655.0	2750.2	2831.5	2896.3	2947.4
-70°	1593.8	1686.0	1769.2	1851.9	1934.8	2010.6	2082.8	2152.8	2219.3	2273.5	2314.1
-72.5°	1248.2	1311.2	1367.8	1431.5	1491.2	1548.7	1598.7	1639.0	1670.3	1700.9	1727.5
-75°	951.6	999.0	1062.8	1116.7	1161.4	1200.7	1236.9	1269.1	1297.4	1322.5	1344.5
-77.5°	765.3	805.6	846.2	885.6	923.7	952.0	978.2	1004.5	1030.3	1052.5	1072.1
-80°	567.2	597.2	628.6	660.2	691.7	707.3	719.8	731.3	741.6	754.8	767.2
-82.5°	346.8	363.8	381.3	399.0	416.6	421.0	422.5	422.1	419.8	415.0	407.7
-85°	154.3	155.3	154.8	153.0	150.1	144.0	136.5	127.9	118.2	116.6	114.8
-87.5°	33.9	33.2	32.3	31.2	30.0	30.0	29.8	29.6	29.4	30.3	31.3
-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: P645545 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-750-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	0.7
85°	0.7	0.0	0.0	0.0	0.0	0.0	0.7	1.4	2.0	2.6	2.6
82.5°	2.7	2.8	2.8	2.8	2.8	2.8	2.7	2.7	2.8	2.8	2.8
80°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
77.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
75°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
72.5°	2.8	2.8	1.5	0.0	1.5	2.8	2.8	2.8	2.8	2.8	2.8
70°	2.8	2.8	1.5	0.0	1.5	2.8	2.8	2.8	2.8	2.8	2.8
67.5°	1.0	0.2	0.0	0.0	0.0	0.2	1.0	1.8	2.5	2.8	2.8
65°	0.9	0.1	0.0	0.0	0.0	0.1	0.9	1.7	2.4	3.1	3.4
62.5°	5.0	5.3	5.4	5.5	5.4	5.3	5.0	4.8	4.7	4.9	5.3
60°	10.0	6.5	5.5	5.5	5.5	6.5	10.0	12.7	14.4	15.7	15.6
57.5°	61.0	45.5	38.7	35.9	38.7	45.5	61.0	72.2	77.7	236.7	287.3
55°	1492.6	1568.5	1625.3	1651.6	1625.3	1568.5	1492.6	1361.5	1178.7	1106.1	1128.3
52.5°	2072.3	2105.4	2124.4	2123.8	2124.4	2105.4	2072.3	2036.7	1996.4	1928.5	1864.9
50°	2309.9	2325.9	2331.7	2328.2	2331.7	2325.9	2309.9	2285.0	2270.3	2239.3	2125.9
47.5°	3412.0	3116.6	2899.5	2847.4	2899.5	3116.6	3412.0	3545.5	3399.3	3101.7	2764.3
45°	4859.4	4971.4	5082.9	5117.6	5082.9	4971.4	4859.4	4808.4	4702.2	4572.7	4438.7
42.5°	5360.7	5397.1	5417.8	5418.7	5417.8	5397.1	5360.7	5313.1	5200.4	5059.3	4885.4
40°	5599.9	5634.3	5654.4	5656.2	5654.4	5634.3	5599.9	5552.6	5468.0	5344.1	5184.9
37.5°	5817.2	5846.5	5865.8	5885.4	5865.8	5846.5	5817.2	5803.5	5792.2	5666.3	5571.4
35°	6799.0	6576.6	6256.8	6305.2	6256.8	6576.6	6799.0	6824.6	6634.6	6281.0	6450.8
32.5°	8487.1	8580.6	8639.0	8738.3	8639.0	8580.6	8487.1	8401.0	8456.1	8262.9	7846.6
30°	9266.0	9296.9	9343.7	9392.9	9343.7	9296.9	9266.0	9241.3	9225.8	9000.6	8749.2
27.5°	9460.4	9492.3	9520.8	9542.0	9520.8	9492.3	9460.4	9442.1	9407.5	9266.3	9052.5
25°	9562.1	9582.0	9612.1	9638.7	9612.1	9582.0	9562.1	9558.1	9530.3	9443.1	9271.4
22.5°	9612.6	9614.6	9638.3	9671.8	9638.3	9614.6	9612.6	9620.6	9606.7	9568.7	9382.1
20°	9647.2	9628.5	9652.9	9674.6	9652.9	9628.5	9647.2	9659.8	9656.1	9657.0	9501.5
17.5°	10088.8	9836.9	9733.4	9735.3	9733.4	9836.9	10088.8	9837.5	10015.6	10097.9	10056.5
15°	11513.2	11607.7	11970.0	12165.7	11970.0	11607.7	11513.2	11784.3	11542.8	11599.0	11384.3
12.5°	12432.3	12398.7	12355.7	12414.3	12355.7	12398.7	12432.3	12441.1	12488.5	12514.1	12449.4
10°	12474.9	12471.1	12394.4	12477.8	12394.4	12471.1	12474.9	12500.7	12561.1	12603.9	12529.9
7.5°	12448.7	12451.1	12418.4	12499.9	12418.4	12451.1	12448.7	12516.9	12558.4	12583.3	12508.0
5°	12466.0	12409.9	12431.2	12477.8	12431.2	12409.9	12466.0	12472.6	12513.1	12543.1	12498.6
2.5°	12417.8	12412.0	12370.6	12403.2	12370.6	12412.0	12417.8	12443.9	12467.6	12480.7	12481.1
0°	12381.1	12350.8	12350.8	12378.4	12350.8	12350.8	12381.1	12428.1	12469.5	12505.4	12519.2
-2.5°	12446.5	12440.1	12436.1	12417.1	12436.1	12440.1	12446.5	12467.5	12488.0	12505.8	12512.2
-5°	12500.1	12483.7	12438.5	12499.9	12438.5	12483.7	12500.1	12523.2	12557.8	12582.4	12575.3
-7.5°	12557.9	12516.0	12473.1	12569.0	12473.1	12516.0	12557.9	12576.3	12617.6	12650.3	12647.2
-10°	12610.6	12550.1	12508.3	12602.1	12508.3	12550.1	12610.6	12653.1	12688.4	12719.5	12725.1
-12.5°	12680.3	12609.5	12581.6	12632.5	12581.6	12609.5	12680.3	12729.5	12767.6	12791.0	12781.8
-15°	12754.7	12705.7	12699.1	12729.1	12699.1	12705.7	12754.7	12806.1	12836.2	12855.3	12821.2
-17.5°	12820.1	12785.6	12802.7	12836.8	12802.7	12785.6	12820.1	12862.0	12887.0	12894.6	12848.0
-20°	12851.3	12832.0	12851.2	12936.3	12851.2	12832.0	12851.3	12878.0	12894.9	12890.6	12823.0



REPORT NUMBER: P645545 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	12848.6	12849.8	12883.6	12911.4	12883.6	12849.8	12848.6	12863.0	12861.5	12840.5	12726.8
-25°	12799.6	12825.5	12864.2	12919.7	12864.2	12825.5	12799.6	12798.3	12781.2	12726.2	12611.0
-27.5°	12681.3	12724.2	12764.7	12823.0	12764.7	12724.2	12681.3	12664.7	12634.4	12558.7	12465.0
-30°	12510.3	12561.4	12597.6	12660.1	12597.6	12561.4	12510.3	12479.1	12431.9	12345.3	12203.9
-32.5°	12302.3	12360.1	12402.8	12447.4	12402.8	12360.1	12302.3	12254.7	12204.2	12104.3	11909.4
-35°	12042.2	12104.4	12149.9	12190.6	12149.9	12104.4	12042.2	11979.7	11916.3	11830.5	11608.5
-37.5°	11729.8	11796.9	11848.6	11895.1	11848.6	11796.9	11729.8	11654.8	11587.9	11504.7	11289.1
-40°	11365.7	11434.5	11489.8	11541.6	11489.8	11434.5	11365.7	11279.9	11204.2	11107.1	10920.1
-42.5°	10940.1	11009.5	11066.6	11119.0	11066.6	11009.5	10940.1	10848.8	10756.0	10639.0	10477.2
-45°	10448.6	10520.0	10580.3	10635.7	10580.3	10520.0	10448.6	10353.1	10234.5	10082.2	9889.7
-47.5°	9882.4	9958.9	10010.5	10036.4	10010.5	9958.9	9882.4	9780.9	9643.3	9465.1	9254.0
-50°	9233.6	9310.0	9372.0	9417.7	9372.0	9310.0	9233.6	9132.5	8993.0	8799.9	8576.5
-52.5°	8519.4	8592.1	8645.4	8677.6	8645.4	8592.1	8519.4	8420.9	8286.1	8079.6	7844.0
-55°	7737.3	7813.5	7864.0	7887.7	7864.0	7813.5	7737.3	7635.6	7506.4	7296.1	7064.1
-57.5°	6850.3	6922.7	6976.4	7006.7	6976.4	6922.7	6850.3	6751.5	6626.9	6429.0	6205.7
-60°	5869.0	5933.7	5974.4	5990.3	5974.4	5933.7	5869.0	5778.5	5662.4	5488.4	5283.3
-62.5°	4865.2	4926.5	4964.7	4979.5	4964.7	4926.5	4865.2	4783.1	4681.3	4538.8	4367.5
-65°	3872.9	3911.3	3932.5	3935.6	3932.5	3911.3	3872.9	3815.1	3737.6	3628.3	3495.1
-67.5°	2987.8	3017.0	3034.7	3040.7	3034.7	3017.0	2987.8	2947.4	2896.3	2831.5	2750.2
-70°	2344.4	2364.5	2375.9	2377.9	2375.9	2364.5	2344.4	2314.1	2273.5	2219.3	2152.8
-72.5°	1747.9	1762.4	1757.3	1745.5	1757.3	1762.4	1747.9	1727.5	1700.9	1670.3	1639.0
-75°	1363.5	1379.4	1372.8	1361.6	1372.8	1379.4	1363.5	1344.5	1322.5	1297.4	1269.1
-77.5°	1089.3	1103.7	1096.6	1085.4	1096.6	1103.7	1089.3	1072.1	1052.5	1030.3	1004.5
-80°	777.8	786.4	792.4	795.4	792.4	786.4	777.8	767.2	754.8	741.6	731.3
-82.5°	398.2	386.5	379.1	370.1	379.1	386.5	398.2	407.7	415.0	419.8	422.1
-85°	112.6	109.9	111.7	113.2	111.7	109.9	112.6	114.8	116.6	118.2	127.9
-87.5°	32.1	33.0	33.1	33.1	33.1	33.0	32.1	31.3	30.3	29.4	29.6
-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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**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°	1.3	1.9	2.5	2.5	2.4	2.4	2.3	2.2	2.1	2.1	2.0
85°	2.6	2.7	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
82.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
80°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
77.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
75°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
72.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
70°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	3.1
67.5°	2.8	2.8	2.9	2.8	2.8	2.8	3.0	2.9	2.8	2.8	3.4
65°	3.5	3.3	3.4	3.9	4.0	3.8	3.9	4.0	4.0	3.8	3.6
62.5°	5.6	5.8	6.0	6.1	6.2	7.8	6.9	7.0	6.5	7.9	10.7
60°	13.3	10.5	15.7	17.5	15.0	25.6	43.3	39.0	11.5	62.5	72.1
57.5°	182.8	151.8	317.9	316.9	132.8	179.3	240.1	158.1	103.4	177.1	234.0
55°	1274.5	1167.1	1014.8	998.5	1051.3	798.7	667.8	642.6	503.0	327.0	388.4
52.5°	1796.7	1689.7	1585.7	1488.9	1409.5	1324.6	1199.8	1064.8	1021.7	822.7	634.4
50°	2033.0	2137.0	2034.6	1784.4	1828.8	1708.0	1532.1	1388.7	1418.1	1296.4	1045.2
47.5°	2757.0	2883.7	2886.9	2737.6	2571.4	2520.2	2262.3	1814.2	1844.3	1839.1	1573.1
45°	4036.4	3859.4	3925.4	3715.6	3422.2	3260.0	3251.2	2771.9	2328.1	2255.9	2230.2
42.5°	4737.5	4606.4	4470.8	4314.4	4055.0	3796.2	3636.5	3366.9	3009.9	2694.0	2582.0
40°	5021.0	4868.3	4741.7	4612.2	4403.2	4138.2	4009.6	3655.6	3387.3	3113.8	3022.7
37.5°	5363.7	5073.9	5186.9	4942.0	4748.0	4683.5	4583.8	4215.3	3620.7	3570.7	3524.6
35°	6128.7	5857.7	6118.5	6072.3	5300.2	5386.1	5452.4	4999.7	4377.1	4039.6	4046.9
32.5°	7874.3	7249.6	7058.9	7292.5	6886.6	6212.6	6222.5	6084.7	5234.9	4743.7	4528.8
30°	8506.2	8228.8	7928.2	7887.7	7585.4	7195.7	6948.0	6616.7	5998.2	5437.7	5069.3
27.5°	8778.9	8527.1	8274.2	8079.0	7904.0	7639.4	7316.4	6927.1	6487.1	5984.8	5626.9
25°	8973.5	8691.6	8473.3	8257.8	8069.5	7869.2	7539.2	7160.0	6749.5	6344.5	5960.2
22.5°	9129.8	8867.0	8632.2	8400.3	8247.5	8032.2	7735.6	7344.1	7068.5	6811.1	6311.5
20°	9300.8	9047.5	8783.1	8794.2	8569.3	8209.6	7924.7	7729.7	7692.0	7402.3	6757.3
17.5°	10043.3	9346.9	9476.4	9721.7	9226.2	8573.4	8471.7	8482.5	8362.8	8093.5	7291.4
15°	11633.7	10627.8	10636.7	10805.9	10268.7	9466.7	9281.5	9258.9	9070.5	8772.5	7855.5
12.5°	12134.6	11798.6	11736.8	11485.4	10957.9	10358.7	10139.4	10020.5	9674.8	9098.4	8261.4
10°	12303.8	12109.2	11850.6	11597.0	11276.8	11036.1	10723.8	10291.7	9801.0	9245.1	8563.7
7.5°	12323.9	12122.0	11913.6	11672.1	11391.1	11108.6	10799.9	10370.4	9896.0	9350.8	8776.9
5°	12312.2	12110.9	11917.8	11686.9	11401.9	11127.9	10848.3	10423.6	9960.1	9419.8	8916.9
2.5°	12282.1	12078.4	11894.5	11684.8	11401.0	11136.9	10878.1	10480.6	10006.0	9476.7	8963.7
0°	12325.9	12124.3	11950.3	11715.6	11458.7	11152.1	10892.5	10539.0	10028.1	9514.4	8981.4
-2.5°	12344.8	12136.3	11977.0	11712.3	11499.5	11186.6	10923.5	10582.1	10069.8	9581.1	9024.0
-5°	12444.4	12237.3	12028.9	11763.6	11539.8	11247.1	10951.2	10599.6	10101.1	9617.2	9043.3
-7.5°	12509.9	12299.8	12057.4	11800.1	11575.3	11296.0	10968.1	10601.2	10129.8	9616.6	9052.6
-10°	12550.9	12331.3	12092.0	11828.5	11596.1	11308.7	10962.5	10592.0	10124.0	9594.1	9032.3
-12.5°	12608.5	12361.4	12115.0	11815.8	11582.7	11287.6	10941.8	10570.9	10080.7	9552.1	8980.6
-15°	12630.1	12376.2	12088.2	11794.9	11540.4	11253.3	10896.3	10508.2	10005.0	9487.4	8896.1
-17.5°	12639.0	12350.2	12043.2	11761.9	11487.6	11183.0	10806.3	10393.6	9907.9	9373.1	8784.7
-20°	12632.0	12295.9	11979.7	11673.4	11386.1	11077.0	10688.2	10279.5	9769.1	9225.0	8640.5



REPORT NUMBER: P645545 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-750-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°	12503.1	12198.8	11878.7	11546.5	11264.1	10936.2	10555.5	10132.5	9588.7	9062.5	8456.8
-25°	12361.2	12053.7	11723.2	11414.2	11113.4	10787.6	10396.5	9916.9	9400.3	8853.0	8233.9
-27.5°	12193.4	11870.3	11528.8	11214.6	10896.6	10576.0	10171.7	9688.5	9191.2	8592.7	7991.8
-30°	11967.0	11633.5	11285.4	10925.8	10635.1	10308.2	9908.4	9439.2	8905.1	8314.2	7742.3
-32.5°	11659.5	11345.8	10997.7	10655.9	10352.4	10009.3	9605.7	9139.9	8579.3	8020.4	7425.4
-35°	11347.1	11022.0	10690.1	10368.4	10048.6	9689.4	9277.5	8770.4	8234.7	7681.1	7063.6
-37.5°	10990.2	10651.7	10339.8	10034.1	9704.3	9336.0	8881.4	8391.6	7869.2	7260.5	6673.0
-40°	10606.9	10280.8	9940.2	9637.9	9286.2	8914.7	8475.4	7999.3	7424.8	6823.3	6270.9
-42.5°	10151.6	9825.7	9475.1	9138.6	8796.9	8443.7	8046.8	7531.7	6962.3	6394.9	5821.2
-45°	9602.0	9275.9	8931.2	8584.3	8264.5	7921.3	7552.0	7002.8	6440.6	5899.7	5349.3
-47.5°	8983.5	8667.5	8334.9	7990.9	7686.8	7342.1	6892.3	6381.4	5883.8	5369.2	4805.8
-50°	8311.9	8011.1	7703.5	7384.4	7042.7	6654.0	6222.3	5776.6	5283.7	4755.4	4240.7
-52.5°	7577.7	7302.5	7012.2	6705.5	6352.7	5967.0	5562.5	5089.2	4597.5	4149.2	3681.0
-55°	6811.6	6539.9	6253.0	5946.5	5617.5	5236.0	4816.9	4386.5	3985.1	3570.4	3213.3
-57.5°	5964.0	5706.4	5433.1	5143.8	4840.1	4485.1	4117.6	3752.3	3434.4	3112.2	2788.1
-60°	5058.0	4817.6	4585.0	4328.6	4048.2	3742.7	3474.7	3205.2	2935.5	2678.3	2417.2
-62.5°	4180.6	3979.4	3770.4	3562.3	3349.1	3128.5	2906.4	2698.4	2485.7	2267.7	2075.6
-65°	3351.2	3198.2	3033.4	2889.3	2738.1	2578.6	2400.1	2237.0	2082.4	1922.6	1759.2
-67.5°	2655.0	2545.9	2429.4	2315.7	2212.0	2101.7	1976.3	1844.4	1721.9	1603.6	1483.3
-70°	2082.8	2010.6	1934.8	1851.9	1769.2	1686.0	1593.8	1496.7	1398.3	1309.7	1224.9
-72.5°	1598.7	1548.7	1491.2	1431.5	1367.8	1311.2	1248.2	1182.7	1116.1	1048.8	984.8
-75°	1236.9	1200.7	1161.4	1116.7	1062.8	999.0	951.6	919.6	879.4	830.5	777.1
-77.5°	978.2	952.0	923.7	885.6	846.2	805.6	765.3	725.7	686.6	649.6	615.6
-80°	719.8	707.3	691.7	660.2	628.6	597.2	567.2	543.0	520.1	495.0	464.1
-82.5°	422.5	421.0	416.6	399.0	381.3	363.8	346.8	329.7	311.7	292.8	273.7
-85°	136.5	144.0	150.1	153.0	154.8	155.3	154.3	149.9	144.6	138.6	132.2
-87.5°	29.8	30.0	30.0	31.2	32.3	33.2	33.9	35.6	37.0	38.2	39.1
-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: P645545 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-750-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°	1.9	1.8	1.7	1.6	1.5	1.4	1.3	1.2	1.3	1.4	1.5
85°	2.8	2.8	2.8	2.8	2.8	2.8	2.6	2.4	2.7	2.8	2.9
82.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.9	3.5	4.2	4.4
80°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.9	3.6	4.2	4.9
77.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.9	3.6	4.3	4.9
75°	2.8	2.8	2.8	2.9	3.0	2.8	2.8	3.0	3.7	4.3	5.0
72.5°	2.8	2.8	2.8	3.1	3.5	3.6	3.2	3.1	3.7	4.4	5.0
70°	3.2	2.9	2.8	3.2	3.9	4.5	4.3	4.4	3.9	4.5	5.1
67.5°	4.1	4.2	3.8	3.8	4.0	4.7	5.3	6.2	6.1	4.6	5.2
65°	4.2	4.9	5.7	7.8	6.9	4.8	5.4	10.8	8.6	7.3	5.2
62.5°	9.1	5.1	17.4	23.4	13.2	10.3	8.2	24.1	15.1	10.2	7.4
60°	21.7	17.7	48.7	78.0	54.4	18.4	27.0	41.7	38.3	13.3	10.4
57.5°	202.5	69.6	100.9	145.9	143.3	77.8	56.7	75.7	65.1	37.6	14.7
55°	432.3	363.9	240.2	220.0	237.7	191.9	124.9	122.5	100.6	69.7	23.8
52.5°	593.2	619.0	538.8	376.4	327.8	312.3	244.0	177.7	157.8	104.6	60.5
50°	858.7	799.6	791.6	664.6	459.6	416.0	360.1	277.7	221.4	149.6	102.3
47.5°	1213.1	1065.5	987.4	930.3	733.4	530.4	472.4	379.7	291.6	215.5	146.0
45°	1733.5	1377.3	1226.0	1133.5	1005.0	745.9	591.1	478.9	380.0	289.2	191.7
42.5°	2256.2	1780.8	1498.5	1349.0	1215.4	989.3	718.2	593.1	466.2	364.3	249.8
40°	2717.4	2196.8	1785.0	1592.6	1421.9	1224.4	923.9	715.5	550.7	441.6	315.8
37.5°	3272.9	2670.4	2114.7	1848.1	1642.1	1420.7	1132.5	843.2	652.3	522.7	381.9
35°	3810.1	3283.6	2483.5	2156.6	1887.1	1622.1	1333.6	994.2	777.0	605.1	448.1
32.5°	4387.1	3860.3	3040.6	2501.2	2140.7	1827.9	1521.5	1177.8	902.4	688.6	514.0
30°	4841.3	4239.9	3529.5	2846.1	2416.6	2057.5	1709.1	1354.0	1028.1	772.7	580.5
27.5°	5082.0	4568.4	3915.3	3230.5	2727.2	2292.9	1902.4	1522.3	1153.6	865.2	649.8
25°	5331.0	4799.8	4191.1	3566.5	3033.8	2542.1	2094.9	1682.9	1290.8	969.5	718.3
22.5°	5628.9	4996.5	4423.6	3832.7	3350.1	2794.8	2296.8	1845.4	1427.8	1071.7	785.7
20°	5928.0	5179.2	4653.1	4195.1	3660.4	3068.1	2507.9	2003.9	1557.1	1171.4	851.7
17.5°	6242.1	5511.0	5042.7	4548.7	3969.8	3333.0	2715.8	2157.5	1678.4	1267.8	915.8
15°	6788.4	6007.7	5435.1	4892.8	4277.6	3587.8	2918.7	2305.1	1791.6	1360.5	975.4
12.5°	7284.5	6470.1	5827.8	5225.5	4580.3	3830.7	3114.4	2445.5	1896.4	1434.4	1028.5
10°	7695.0	6898.9	6216.0	5544.8	4874.1	4060.1	3301.0	2559.9	1959.3	1489.5	1077.5
7.5°	8031.2	7295.2	6594.4	5848.8	5126.6	4210.0	3395.1	2626.6	2008.0	1536.4	1122.1
5°	8274.1	7559.6	6795.5	5954.7	5205.4	4271.6	3459.0	2680.8	2047.3	1575.5	1162.3
2.5°	8344.1	7640.9	6871.0	6012.7	5258.8	4311.5	3504.7	2722.3	2077.6	1607.3	1197.9
0°	8384.8	7694.4	6918.3	6048.3	5286.1	4330.5	3532.3	2750.8	2099.0	1632.2	1229.0
-2.5°	8441.7	7740.5	6964.0	6140.0	5304.2	4388.5	3547.9	2769.4	2126.1	1641.2	1247.1
-5°	8470.2	7758.5	6985.9	6201.6	5299.4	4423.0	3545.9	2775.3	2143.7	1644.2	1260.4
-7.5°	8457.7	7752.4	6986.8	6220.9	5275.5	4431.0	3526.7	2769.1	2150.8	1642.0	1268.6
-10°	8419.5	7721.0	6960.0	6171.0	5253.4	4399.7	3492.4	2751.5	2146.6	1634.9	1271.8
-12.5°	8361.6	7662.2	6905.5	6099.1	5207.4	4335.1	3451.9	2721.3	2129.3	1623.6	1269.7
-15°	8286.3	7576.8	6822.6	6007.8	5131.7	4249.2	3391.2	2677.5	2095.5	1610.8	1262.2
-17.5°	8189.8	7465.3	6710.9	5899.5	5025.2	4142.8	3309.5	2620.5	2053.3	1595.1	1247.0
-20°	8017.4	7315.6	6569.1	5776.4	4887.0	4016.7	3206.7	2550.2	2003.0	1572.8	1225.2



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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°	7823.7	7130.3	6392.3	5610.2	4720.4	3871.7	3082.3	2466.6	1945.1	1543.8	1199.2
-25°	7617.2	6921.6	6186.8	5380.3	4536.3	3718.5	2957.8	2370.0	1879.8	1507.9	1168.9
-27.5°	7374.6	6685.3	5954.0	5127.0	4322.7	3540.8	2838.4	2284.3	1816.6	1465.1	1134.5
-30°	7101.9	6407.5	5662.9	4856.8	4088.5	3335.1	2704.5	2192.8	1763.1	1418.4	1096.1
-32.5°	6789.3	6101.4	5340.3	4580.2	3841.1	3117.0	2556.7	2095.0	1701.4	1368.8	1060.6
-35°	6433.6	5745.2	4998.6	4283.2	3579.0	2940.8	2412.3	1991.2	1631.4	1315.2	1023.2
-37.5°	6063.0	5362.9	4656.7	3973.0	3300.3	2750.0	2282.3	1888.7	1553.2	1257.8	981.9
-40°	5639.9	4969.5	4297.9	3653.7	3059.0	2545.1	2141.6	1787.5	1479.3	1196.7	936.7
-42.5°	5204.1	4556.9	3923.7	3315.5	2820.9	2378.3	1994.4	1678.5	1401.3	1137.6	887.7
-45°	4734.1	4121.3	3525.8	3030.6	2578.7	2201.7	1865.4	1565.6	1318.0	1077.2	837.1
-47.5°	4238.3	3662.1	3164.1	2733.7	2372.8	2024.2	1728.2	1467.9	1230.7	1012.4	786.4
-50°	3713.2	3234.6	2831.0	2475.8	2150.9	1864.4	1591.6	1365.6	1150.6	940.9	733.2
-52.5°	3247.8	2864.4	2530.4	2226.3	1955.2	1696.3	1473.9	1260.7	1068.0	872.4	677.6
-55°	2849.1	2534.7	2252.9	1999.9	1761.1	1552.2	1351.7	1167.5	983.2	803.8	621.4
-57.5°	2504.7	2230.0	2004.4	1784.7	1587.5	1409.4	1240.3	1072.3	901.9	732.7	576.7
-60°	2173.9	1968.8	1768.1	1591.5	1424.6	1273.4	1135.2	977.1	819.9	661.7	527.3
-62.5°	1888.2	1713.1	1561.4	1407.4	1268.8	1145.5	1029.2	884.0	735.5	595.9	473.5
-65°	1620.4	1485.9	1356.8	1233.9	1118.8	1014.3	920.4	788.6	650.9	526.2	417.8
-67.5°	1366.1	1264.8	1163.3	1060.2	969.7	885.2	804.8	685.7	562.5	452.9	362.4
-70°	1138.9	1052.4	972.9	896.3	822.9	752.4	676.6	576.0	470.1	387.1	305.8
-72.5°	924.4	861.2	795.2	732.2	678.0	616.0	546.2	467.9	393.6	320.2	247.9
-75°	725.9	684.2	637.7	587.7	537.1	481.8	435.6	380.8	316.0	252.0	199.7
-77.5°	580.8	540.1	493.6	453.7	419.8	381.9	340.0	292.4	241.0	196.0	154.4
-80°	428.5	397.3	371.0	348.0	316.6	282.1	247.3	212.7	175.2	140.4	108.2
-82.5°	261.3	254.5	247.2	236.6	210.5	184.8	159.7	134.9	108.4	83.9	69.5
-85°	130.7	128.0	124.2	118.6	102.6	86.9	79.6	72.2	63.3	54.7	46.4
-87.5°	43.0	46.2	48.8	50.7	47.1	43.5	39.8	36.2	31.7	27.4	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

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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°	1.4	1.2	1.0	0.7	0.5	0.3	0.0
85°	2.8	2.4	1.9	1.4	1.0	0.6	0.0
82.5°	4.3	3.6	2.9	2.1	1.4	0.9	0.0
80°	5.5	4.7	3.8	2.9	1.9	1.2	0.0
77.5°	5.5	5.6	4.7	3.6	2.4	1.5	0.0
75°	5.6	5.7	5.5	4.3	2.9	1.8	0.0
72.5°	5.6	5.9	5.8	4.9	3.4	2.1	0.0
70°	5.8	6.1	6.1	5.6	3.9	2.4	0.0
67.5°	6.5	6.4	6.3	5.8	4.4	2.7	0.0
65°	7.4	7.3	6.6	6.1	4.9	3.0	0.0
62.5°	8.6	9.1	6.9	6.4	5.4	3.3	0.0
60°	10.2	11.1	7.3	6.7	5.9	3.5	0.0
57.5°	18.9	13.3	9.4	7.0	6.2	3.8	0.0
55°	30.1	15.7	11.7	7.3	6.5	4.1	0.0
52.5°	43.2	20.1	14.1	7.6	6.8	4.4	0.0
50°	58.3	34.3	16.6	7.9	7.1	4.6	0.0
47.5°	78.4	49.6	19.3	8.6	7.5	4.9	0.0
45°	118.2	65.9	22.0	10.7	7.8	5.2	0.0
42.5°	159.0	83.3	24.9	12.9	8.1	5.4	0.0
40°	200.7	101.7	33.5	15.5	8.5	5.7	0.0
37.5°	243.3	121.1	47.9	18.8	8.9	5.9	0.0
35°	286.5	150.4	62.5	22.5	9.2	6.1	0.0
32.5°	333.3	184.4	77.4	26.6	9.6	6.4	0.0
30°	386.8	218.2	92.3	31.0	9.9	6.6	0.0
27.5°	439.3	251.6	110.7	35.6	10.3	6.8	0.0
25°	490.5	284.5	129.6	40.5	10.7	7.0	0.0
22.5°	540.2	318.0	148.4	45.7	11.0	7.2	0.0
20°	588.3	353.9	167.1	50.9	11.4	7.3	0.0
17.5°	635.8	388.7	185.5	56.3	11.7	7.5	0.0
15°	681.5	422.1	203.4	61.7	12.0	7.7	0.0
12.5°	724.2	454.0	220.7	67.0	12.4	7.8	0.0
10°	763.9	484.1	237.3	72.3	12.7	7.9	0.0
7.5°	800.3	512.2	252.9	77.4	13.0	8.0	0.0
5°	833.4	538.2	267.5	82.3	13.3	8.1	0.0
2.5°	863.1	561.7	280.8	86.9	13.5	8.2	0.0
0°	889.3	582.7	292.8	91.1	13.8	8.3	0.0
-2.5°	902.3	596.0	303.9	97.0	16.0	8.8	0.0
-5°	911.8	606.5	313.4	102.5	18.1	9.2	0.0
-7.5°	917.9	614.1	321.1	107.4	20.1	9.7	0.0
-10°	920.7	618.9	327.0	111.6	22.1	10.1	0.0
-12.5°	920.2	620.8	330.9	115.2	24.0	10.4	0.0
-15°	916.6	619.9	332.8	118.0	25.8	10.8	0.0
-17.5°	909.9	616.2	332.5	120.1	27.5	11.1	0.0
-20°	899.5	609.7	330.1	121.3	29.0	11.4	0.0

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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	884.4	600.4	325.5	121.7	30.4	11.6	0.0
-25°	865.9	586.0	318.5	121.1	31.6	11.8	0.0
-27.5°	843.9	568.0	309.2	119.6	32.7	11.9	0.0
-30°	818.4	547.5	297.6	117.2	33.5	12.0	0.0
-32.5°	789.6	524.6	284.1	113.7	34.2	12.0	0.0
-35°	758.4	499.3	269.0	109.3	34.6	12.0	0.0
-37.5°	724.8	473.9	252.5	103.8	34.9	11.9	0.0
-40°	688.6	450.9	234.4	97.3	34.9	11.8	0.0
-42.5°	650.0	426.3	220.7	90.4	34.7	11.6	0.0
-45°	608.9	400.0	211.4	83.3	34.3	11.4	0.0
-47.5°	565.5	372.3	200.4	75.2	33.7	11.1	0.0
-50°	529.2	343.0	187.7	72.5	32.8	10.8	0.0
-52.5°	492.9	312.4	173.4	71.1	31.8	10.4	0.0
-55°	455.1	289.3	157.5	68.9	30.5	10.0	0.0
-57.5°	415.9	265.7	140.1	65.9	29.1	9.5	0.0
-60°	376.2	240.0	121.9	62.2	27.4	8.9	0.0
-62.5°	339.9	212.3	113.3	57.7	25.8	8.4	0.0
-65°	301.0	182.7	103.4	52.7	23.9	7.7	0.0
-67.5°	259.6	157.9	92.4	47.0	22.0	7.1	0.0
-70°	216.0	138.2	80.4	40.8	19.9	6.4	0.0
-72.5°	182.7	117.0	67.4	35.9	17.7	5.7	0.0
-75°	149.4	94.5	53.7	31.2	15.3	4.9	0.0
-77.5°	114.4	70.9	44.3	26.3	12.9	4.1	0.0
-80°	78.1	54.1	35.8	21.3	10.4	3.3	0.0
-82.5°	57.3	40.9	27.1	16.1	7.9	2.5	0.0
-85°	38.4	27.4	18.2	10.8	5.3	1.7	0.0
-87.5°	19.3	13.7	9.1	5.4	2.6	0.8	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)