

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P559050 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5C-930-U-WAF-XX**

Issue Date: 7/20/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P559050 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2101-125-8)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 7/20/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GFLD-SA5C-930-U-WAF-XX  
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, WIDE ASYMMETRICAL FLOOD 6x7  
Light Source: (80) 3000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

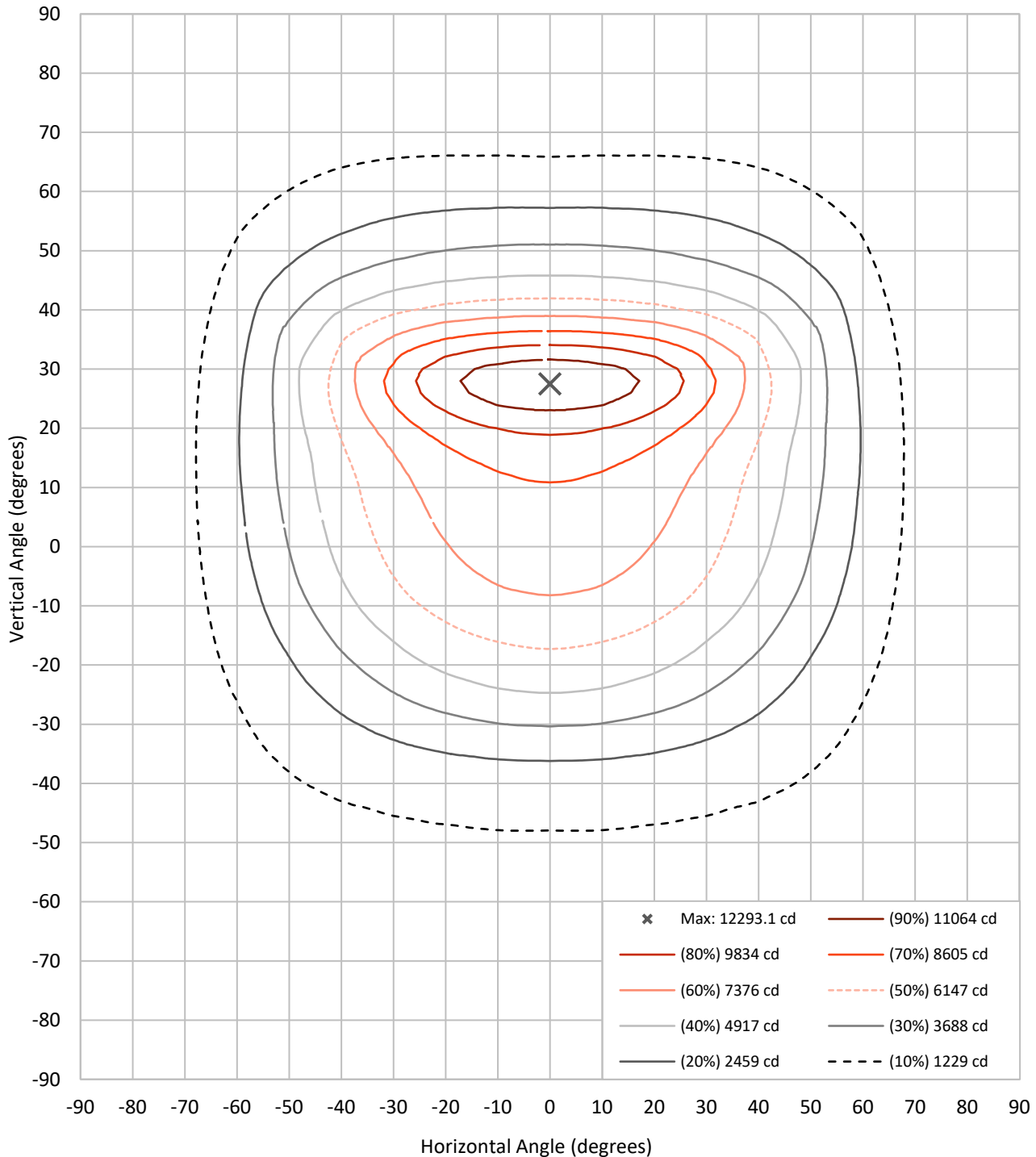
Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	17921.3 lumens	Max Intensity:	12293.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 27.5°V
Efficacy:	89.2 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	85°H x 59.2°V	Field Angle (10%):	134.5°H x 113.8°V
Beam Lumens:	9294.8 lumens	Field Lumens:	16578.7 lumens
Beam Efficiency:	51.9%	Field Efficiency:	92.5%

Input Watts (W): 201  
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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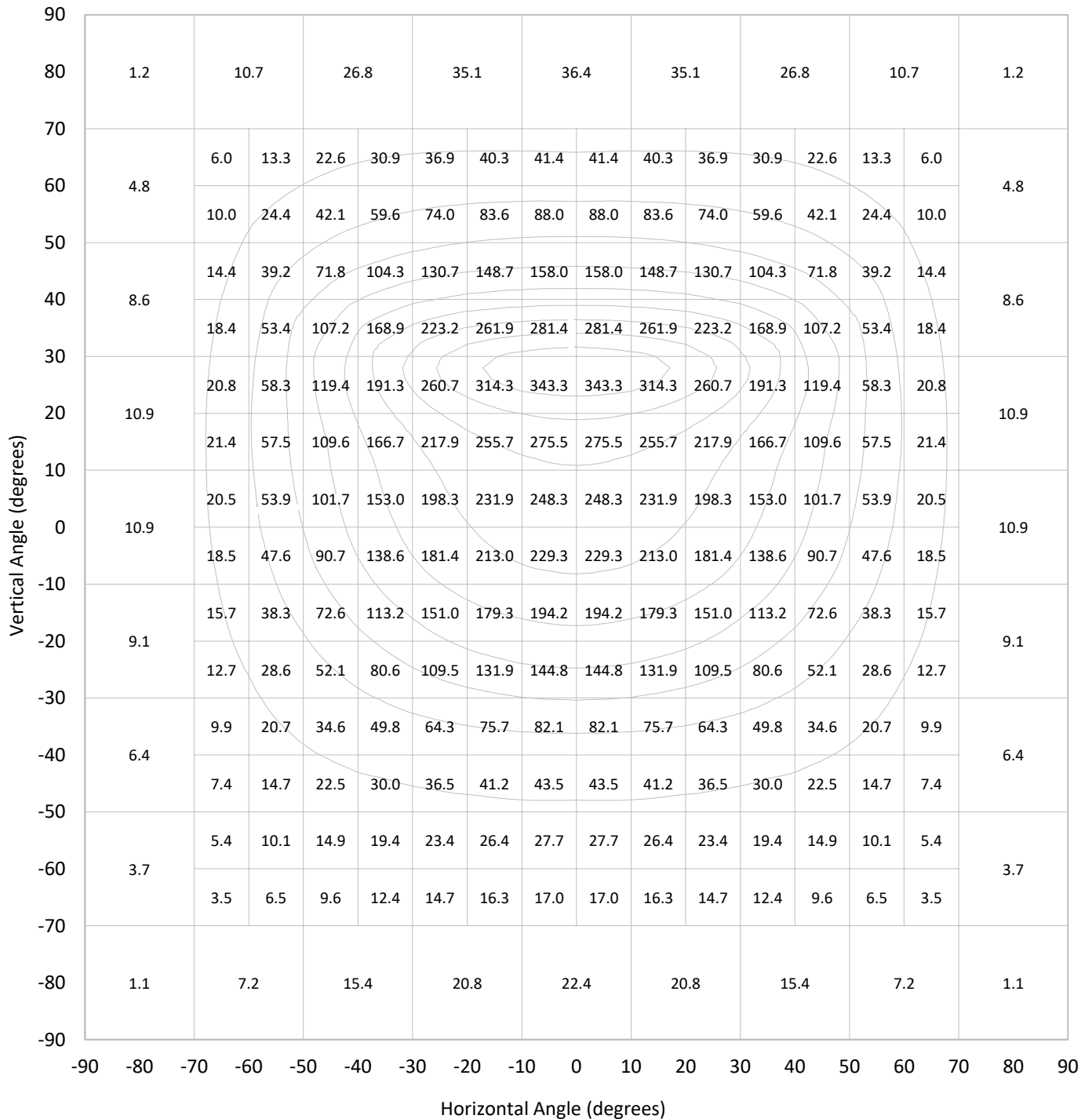
### Iso-Candela Plot





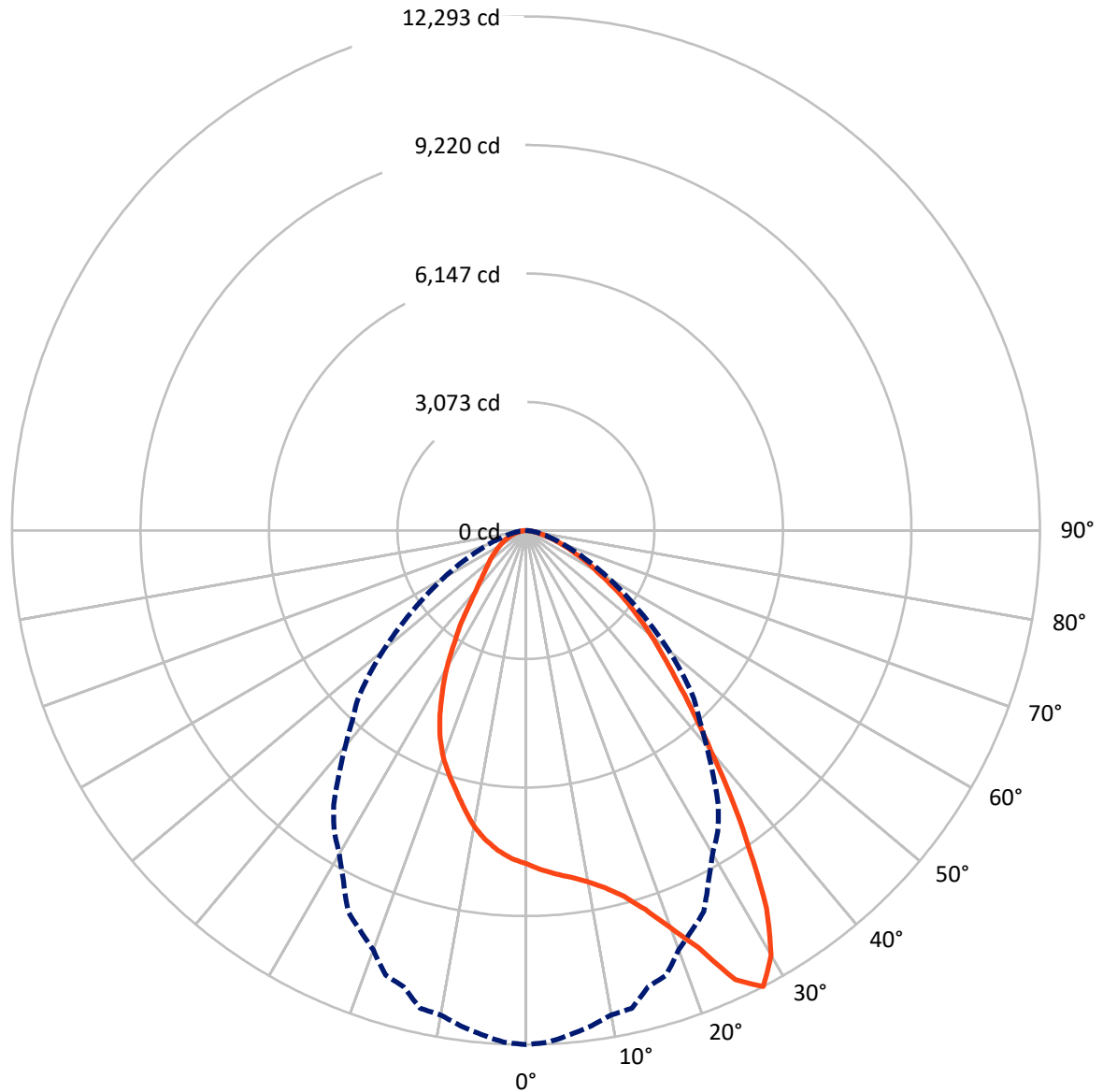
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### Lumen Table



REPORT NUMBER: P559050 (CONVERTED FROM TYPE C PHOTOMETRY)  
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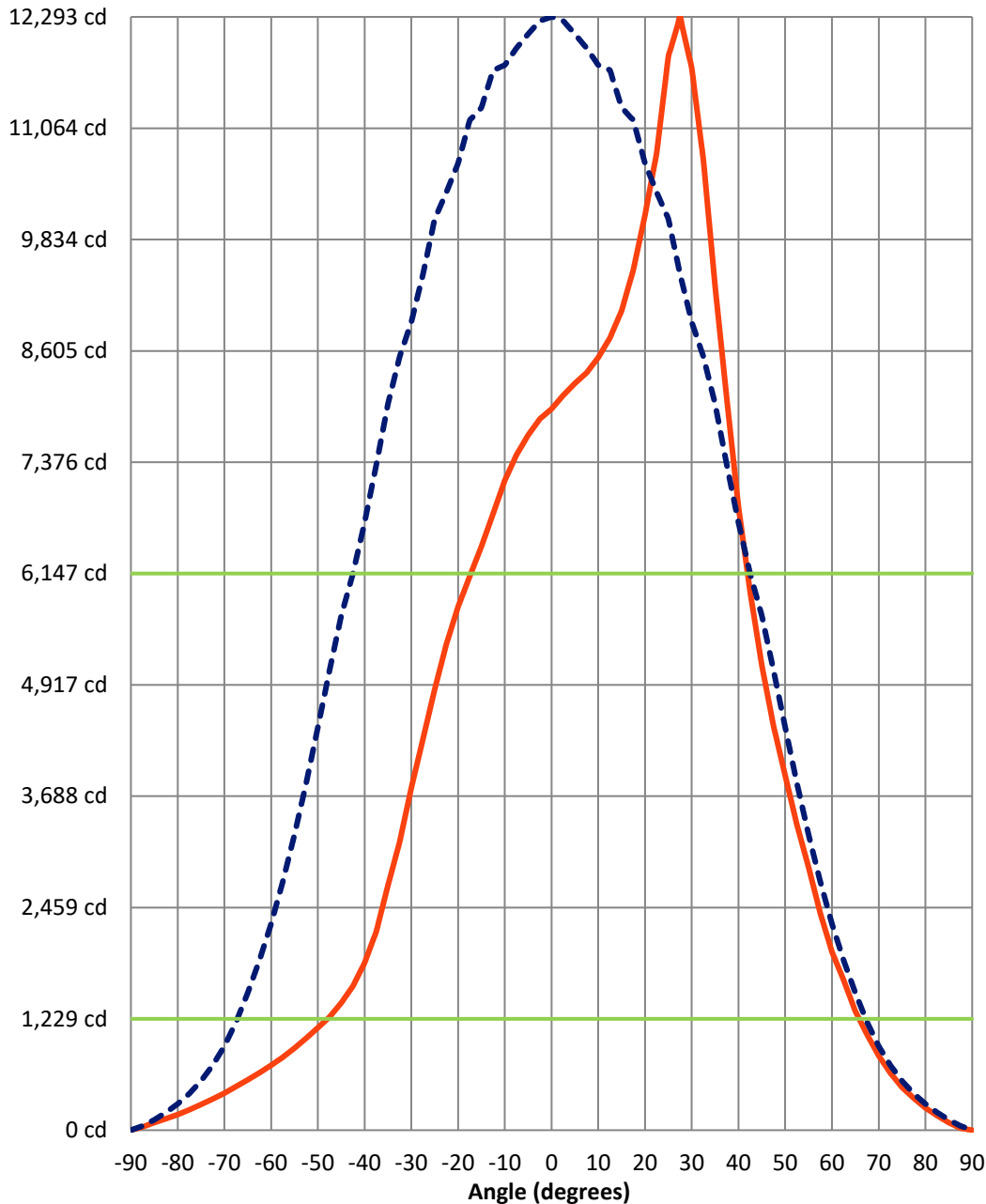
### Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg      - - - Horizontal Distribution Through 27.5-Deg

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 85°  
 V Angle: 59.2°  
 Lumens: 9294.8  
 Efficiency: 51.9%

**Field:**  
 H Angle: 134.5°  
 V Angle: 113.8°  
 Lumens: 16578.7  
 Efficiency: 92.5%

**Spill:**  
 Lumens: 1342.6  
 Efficiency: 7.5%

— Vertical Distribution through 0-Deg  
 - - Horizontal Distribution through 27.5-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	2.3	4.8	7.1	9.3	11.5	13.7	15.8	17.8	19.7	21.6
85°	0.0	4.7	9.5	14.2	18.7	23.1	27.4	31.5	35.5	39.4	43.2
82.5°	0.0	7.0	14.3	21.2	28.0	34.6	41.0	47.2	54.3	66.2	78.6
80°	0.0	9.3	19.0	28.2	37.2	46.0	55.7	71.3	87.5	104.4	122.0
77.5°	0.0	11.6	23.7	35.2	46.4	60.0	79.2	99.4	120.4	142.2	167.7
75°	0.0	13.9	28.3	42.1	56.5	78.7	102.4	127.1	153.7	187.3	221.7
72.5°	0.0	16.2	32.9	48.9	70.8	97.2	125.2	156.5	194.9	234.4	274.8
70°	0.0	18.4	37.4	56.3	84.8	115.3	148.4	191.4	235.4	280.9	334.0
67.5°	0.0	20.6	41.8	66.4	98.6	133.0	176.7	225.5	275.3	334.3	393.7
65°	0.0	22.7	46.1	76.1	112.0	152.6	204.3	258.9	321.4	386.5	455.6
62.5°	0.0	24.8	50.4	85.7	125.1	174.0	231.0	296.0	366.4	439.4	523.7
60°	0.0	26.9	54.5	95.0	137.8	194.7	256.7	334.1	410.2	497.6	589.5
57.5°	0.0	28.8	60.3	104.0	153.0	214.6	285.7	370.7	457.9	553.6	664.9
55°	0.0	30.8	66.0	112.7	167.8	233.6	313.9	404.7	504.9	610.4	741.9
52.5°	0.0	32.7	71.5	121.1	181.9	252.2	340.6	440.8	549.9	674.0	814.6
50°	0.0	34.5	76.9	129.1	195.4	272.7	365.7	475.1	595.4	733.7	901.5
47.5°	0.0	36.2	82.0	137.2	208.1	291.9	389.7	507.1	643.8	789.3	984.3
45°	0.0	37.9	86.9	146.2	220.1	309.9	414.7	536.6	686.0	856.5	1060.6
42.5°	0.0	39.5	91.6	154.6	231.3	326.5	437.7	567.6	724.8	918.4	1146.4
40°	0.0	41.0	96.0	162.6	242.7	341.7	458.8	598.5	763.9	974.1	1226.8
37.5°	0.0	42.4	100.2	170.2	254.1	355.6	477.7	626.7	806.1	1025.1	1298.8
35°	0.0	43.8	104.2	177.3	264.5	369.5	494.6	651.9	843.3	1079.2	1366.6
32.5°	0.0	45.0	107.9	183.9	273.8	382.5	510.9	674.3	875.4	1125.5	1427.0
30°	0.0	46.2	111.3	190.0	282.2	393.9	528.3	695.0	902.5	1164.0	1477.2
27.5°	0.0	47.3	114.5	195.6	290.1	403.7	543.4	716.6	927.6	1194.8	1517.0
25°	0.0	48.3	117.4	200.6	297.1	412.0	556.1	734.1	952.1	1223.1	1546.9
22.5°	0.0	49.2	120.0	205.1	303.2	419.2	566.5	747.8	970.6	1246.0	1572.5
20°	0.0	50.0	122.3	209.1	308.2	426.4	574.5	757.7	983.1	1260.8	1589.0
17.5°	0.0	50.7	124.4	212.5	312.3	432.3	581.8	763.9	989.9	1267.8	1596.6
15°	0.0	51.3	126.2	215.4	315.4	436.9	587.6	768.2	991.3	1267.3	1595.6
12.5°	0.0	51.8	127.6	217.7	317.6	440.3	591.2	771.4	991.3	1259.7	1586.1
10°	0.0	52.3	128.8	219.5	318.9	442.4	592.7	771.6	989.7	1255.9	1571.7
7.5°	0.0	52.6	129.7	220.7	319.4	443.3	592.0	768.9	983.9	1248.0	1555.7
5°	0.0	52.8	130.2	221.4	319.0	443.0	589.4	763.5	974.1	1234.7	1531.8
2.5°	0.0	52.9	130.5	221.6	317.8	441.5	584.9	755.5	960.6	1216.3	1500.8
0°	0.0	52.9	130.5	221.2	315.8	438.7	578.6	745.0	943.6	1193.2	1463.6
-2.5°	0.0	53.0	130.2	220.2	314.3	434.6	572.0	734.0	926.9	1167.5	1426.1
-5°	0.0	52.9	129.6	218.7	312.0	429.3	563.8	720.9	907.3	1137.7	1383.7
-7.5°	0.0	52.8	128.7	216.7	309.1	423.0	554.1	705.9	885.0	1104.2	1337.1
-10°	0.0	52.6	127.5	214.2	305.4	415.7	542.9	688.9	860.2	1067.5	1286.8
-12.5°	0.0	52.2	126.1	211.2	301.1	407.5	530.5	670.3	833.1	1028.3	1237.5
-15°	0.0	51.8	124.4	207.8	296.0	398.5	516.7	650.2	805.4	989.7	1187.1
-17.5°	0.0	51.3	122.4	203.9	290.3	388.7	501.8	630.1	777.7	949.0	1134.1
-20°	0.0	50.6	120.2	199.6	284.0	378.3	486.3	609.7	748.5	906.5	1079.0



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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	49.9	117.8	194.9	277.0	367.2	470.8	587.9	718.0	862.6	1022.2
-25°	0.0	49.0	115.1	189.7	269.4	356.1	454.4	564.8	686.4	817.5	964.0
-27.5°	0.0	48.1	112.2	184.2	261.2	344.6	437.1	540.4	654.0	773.8	908.8
-30°	0.0	47.0	109.0	178.3	252.4	332.3	419.0	514.9	622.6	734.0	853.8
-32.5°	0.0	45.9	105.7	172.1	243.4	319.3	400.3	491.2	591.4	693.9	799.0
-35°	0.0	44.7	102.2	165.6	233.9	305.7	382.8	467.7	559.2	653.9	744.7
-37.5°	0.0	43.3	98.5	158.7	223.9	292.0	365.4	443.8	526.2	614.1	699.9
-40°	0.0	41.9	94.5	151.5	213.5	278.8	347.5	419.4	492.4	575.3	657.5
-42.5°	0.0	40.4	90.5	144.0	203.1	265.2	328.9	394.7	462.1	537.8	614.3
-45°	0.0	38.8	86.2	136.3	192.9	251.1	309.8	370.8	433.5	500.2	570.7
-47.5°	0.0	37.2	81.8	128.3	182.2	236.7	290.1	348.0	405.0	462.6	529.2
-50°	0.0	35.4	77.3	121.2	171.2	221.9	272.2	324.6	376.8	431.1	487.8
-52.5°	0.0	33.6	72.6	114.2	159.8	206.7	254.2	300.9	349.5	399.0	447.2
-55°	0.0	31.7	67.8	106.9	148.2	192.1	236.0	277.1	322.4	366.3	411.3
-57.5°	0.0	29.7	62.8	99.5	136.2	177.3	217.4	255.9	294.8	335.1	374.9
-60°	0.0	27.7	57.8	91.9	124.1	162.1	198.8	234.5	267.5	304.0	339.0
-62.5°	0.0	25.6	53.5	84.1	113.8	146.7	180.5	212.8	243.0	272.6	304.6
-65°	0.0	23.4	49.0	76.1	103.3	131.0	161.9	190.9	218.2	244.2	270.0
-67.5°	0.0	21.2	44.5	68.0	92.6	116.4	143.0	169.3	193.1	216.5	238.4
-70°	0.0	19.0	39.8	59.8	81.8	103.1	123.9	147.6	169.1	188.5	208.0
-72.5°	0.0	16.7	35.0	52.4	70.8	89.5	107.5	125.7	145.0	162.4	177.9
-75°	0.0	14.4	30.2	45.0	59.7	75.9	91.4	106.3	120.8	136.2	150.1
-77.5°	0.0	12.0	25.3	37.7	49.7	62.1	75.1	87.8	99.8	111.0	122.2
-80°	0.0	9.7	20.3	30.2	39.9	49.3	58.7	69.1	79.0	88.3	96.9
-82.5°	0.0	7.3	15.3	22.7	30.0	37.0	43.9	51.0	58.1	65.4	72.3
-85°	0.0	4.9	10.2	15.2	20.0	24.7	29.3	34.1	38.7	43.3	47.9
-87.5°	0.0	2.4	5.1	7.6	10.0	12.4	14.7	17.0	19.4	21.7	24.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





REPORT NUMBER: P559050 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5C-930-U-WAF-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°	22.7	23.7	24.4	25.0	25.9	26.7	27.5	28.1	28.6	29.0	29.2
85°	45.5	47.3	52.9	58.2	63.8	68.9	73.4	77.3	80.5	83.1	85.2
82.5°	88.8	98.2	107.2	115.6	123.4	130.3	136.9	144.5	150.6	155.8	159.9
80°	136.1	149.1	164.8	179.5	192.8	205.0	216.0	226.0	233.8	241.6	249.2
77.5°	191.3	212.2	231.7	249.7	267.1	287.4	306.2	323.4	336.7	346.7	354.4
75°	250.6	275.5	303.9	332.1	358.6	382.9	406.6	435.4	458.9	476.5	490.7
72.5°	314.0	349.7	384.5	418.3	457.1	494.9	531.5	567.0	598.1	621.0	639.5
70°	382.4	424.0	472.0	520.6	567.3	614.8	665.3	711.3	749.4	776.4	802.0
67.5°	452.4	510.6	567.5	626.0	692.2	752.5	807.7	866.0	917.3	951.1	980.7
65°	532.9	598.1	674.1	751.6	824.3	899.7	969.5	1032.6	1097.4	1144.5	1183.1
62.5°	610.8	702.6	792.1	882.8	974.2	1056.2	1147.3	1228.5	1293.6	1361.0	1418.7
60°	703.3	812.3	922.1	1031.5	1133.8	1248.9	1348.7	1443.2	1530.3	1605.4	1676.3
57.5°	795.5	936.2	1066.2	1194.6	1329.8	1452.9	1570.4	1676.2	1780.2	1867.2	1952.3
55°	892.6	1073.7	1223.6	1382.2	1531.0	1670.1	1802.0	1934.5	2045.5	2165.2	2269.4
52.5°	1000.3	1207.1	1400.9	1575.5	1743.2	1903.7	2061.5	2221.0	2376.7	2500.8	2618.6
50°	1100.9	1347.5	1580.5	1779.8	1972.6	2163.1	2360.3	2559.7	2731.3	2873.4	2995.9
47.5°	1211.7	1477.8	1774.0	1994.4	2225.8	2461.8	2701.3	2921.4	3108.5	3301.6	3437.0
45°	1319.6	1609.8	1931.1	2237.0	2504.7	2790.5	3054.2	3297.2	3568.2	3779.1	3960.0
42.5°	1418.2	1734.8	2092.5	2481.7	2816.5	3123.2	3408.7	3750.4	4061.8	4308.4	4534.1
40°	1519.6	1848.6	2239.2	2709.1	3127.4	3454.8	3802.3	4179.9	4585.3	4888.7	5158.5
37.5°	1612.3	1965.0	2373.5	2882.6	3433.5	3793.5	4177.6	4587.4	5049.5	5505.9	5830.2
35°	1694.3	2063.5	2506.7	3023.8	3587.8	4121.7	4528.0	4964.4	5470.1	6062.3	6505.1
32.5°	1768.8	2144.0	2612.3	3133.9	3706.1	4332.1	4847.6	5295.6	5803.0	6414.0	7166.1
30°	1829.4	2221.9	2691.0	3213.4	3787.3	4410.7	5065.5	5553.6	6035.1	6634.8	7334.7
27.5°	1875.4	2279.0	2745.2	3263.1	3830.7	4447.3	5077.0	5679.2	6145.3	6709.6	7346.1
25°	1910.8	2325.8	2773.9	3281.5	3837.1	4431.2	5037.2	5607.1	6130.3	6627.8	7199.0
22.5°	1940.0	2358.1	2805.3	3269.1	3808.1	4374.1	4944.1	5487.4	5993.9	6459.7	6951.0
20°	1962.0	2378.7	2821.2	3281.3	3759.5	4281.5	4826.6	5343.6	5832.9	6283.8	6683.7
17.5°	1971.9	2384.8	2821.2	3279.0	3751.4	4207.9	4682.5	5179.5	5660.5	6108.5	6503.6
15°	1970.1	2376.8	2805.7	3261.5	3726.8	4179.1	4616.3	5026.3	5474.2	5927.2	6320.7
12.5°	1957.0	2355.3	2775.2	3228.8	3686.9	4133.7	4563.0	4974.7	5376.3	5755.7	6132.0
10°	1933.3	2321.0	2730.3	3181.2	3631.6	4071.8	4495.7	4908.7	5306.1	5678.5	6029.0
7.5°	1908.9	2282.5	2676.3	3118.8	3561.1	3993.6	4413.6	4827.4	5217.1	5588.7	5942.6
5°	1876.7	2241.7	2635.2	3059.0	3485.4	3907.4	4318.4	4730.1	5109.4	5484.4	5839.8
2.5°	1835.9	2191.1	2583.3	2986.6	3400.7	3818.1	4215.3	4619.4	5008.3	5368.8	5718.8
0°	1787.0	2131.1	2520.7	2900.7	3301.6	3713.8	4095.8	4491.0	4895.7	5236.1	5578.3
-2.5°	1733.8	2059.3	2429.3	2807.5	3194.9	3599.2	3990.8	4365.5	4761.3	5105.3	5454.9
-5°	1674.1	1979.9	2328.4	2702.3	3075.7	3469.8	3868.7	4225.0	4603.1	4943.3	5287.1
-7.5°	1608.8	1894.3	2219.2	2584.1	2939.9	3311.7	3689.4	4032.2	4399.7	4736.2	5071.1
-10°	1540.0	1809.9	2113.1	2450.7	2786.0	3132.5	3487.4	3823.0	4176.4	4511.5	4833.8
-12.5°	1474.0	1726.6	2003.8	2310.7	2623.7	2943.8	3273.9	3597.9	3933.1	4269.8	4571.0
-15°	1404.9	1639.1	1890.9	2165.9	2454.1	2747.1	3050.2	3356.9	3671.5	4000.9	4279.2
-17.5°	1333.4	1548.1	1775.6	2017.9	2278.7	2543.9	2822.6	3118.6	3406.5	3706.6	3975.8
-20°	1260.2	1454.5	1659.3	1868.2	2099.8	2354.2	2614.9	2880.5	3142.1	3403.5	3656.2



REPORT NUMBER: P559050 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5C-930-U-WAF-XX

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1186.1	1358.9	1545.3	1729.1	1949.4	2179.0	2407.8	2638.3	2873.0	3098.1	3337.2
-25°	1114.4	1270.1	1434.8	1613.4	1802.5	2005.0	2201.5	2396.4	2604.5	2815.5	3021.3
-27.5°	1045.3	1182.7	1338.2	1497.5	1655.0	1835.2	2007.2	2172.4	2354.1	2540.1	2706.4
-30°	976.1	1106.6	1242.7	1384.0	1522.6	1673.1	1821.8	1966.7	2114.7	2274.0	2418.1
-32.5°	911.9	1031.0	1154.9	1278.8	1396.4	1513.1	1650.6	1779.3	1900.4	2013.8	2139.6
-35°	853.2	962.4	1070.1	1176.9	1273.8	1376.4	1491.4	1599.8	1697.0	1788.1	1884.2
-37.5°	797.8	895.1	985.8	1081.3	1167.4	1255.2	1339.8	1433.6	1512.4	1585.3	1664.1
-40°	742.3	829.3	911.0	990.7	1069.7	1143.0	1215.2	1279.0	1342.4	1412.5	1466.7
-42.5°	687.6	768.4	841.5	902.7	977.2	1040.4	1096.4	1149.3	1201.2	1255.8	1299.2
-45°	639.4	708.2	774.9	833.5	889.3	943.2	990.8	1032.3	1081.4	1119.3	1152.1
-47.5°	590.7	650.3	711.3	765.4	812.1	855.9	891.2	932.9	973.2	1005.7	1024.9
-50°	542.9	597.3	648.9	699.4	741.7	776.9	807.4	841.7	875.1	902.8	921.0
-52.5°	498.7	544.2	592.0	635.0	674.0	705.4	734.6	764.4	788.9	807.9	831.9
-55°	455.1	497.0	537.0	575.5	608.8	637.7	666.2	692.7	713.7	730.1	749.8
-57.5°	414.1	452.0	486.8	519.1	549.1	573.9	601.6	624.3	643.8	659.1	679.5
-60°	374.2	408.0	439.7	467.9	492.5	517.0	539.6	560.4	577.5	592.7	611.3
-62.5°	334.6	365.1	393.6	419.5	441.9	462.1	482.5	500.3	514.6	530.3	545.8
-65°	297.4	323.2	348.2	371.7	392.8	412.1	428.9	443.3	456.6	470.7	483.1
-67.5°	260.4	284.4	305.3	324.1	343.6	362.2	377.8	391.1	402.3	413.7	424.1
-70°	227.1	246.3	265.4	282.3	297.1	312.7	327.9	340.4	350.3	359.3	367.8
-72.5°	194.5	211.5	227.2	241.8	255.3	267.8	279.7	291.1	300.4	307.4	313.5
-75°	163.5	176.7	190.4	203.1	214.1	223.8	232.9	242.0	249.5	255.5	260.4
-77.5°	133.8	145.0	155.4	165.2	173.1	180.8	187.9	194.4	200.2	204.8	208.2
-80°	105.1	113.1	121.7	129.7	135.8	141.0	145.5	149.3	153.6	158.0	161.9
-82.5°	78.2	84.0	89.6	95.1	99.4	103.0	106.1	109.1	112.1	115.0	117.5
-85°	51.5	54.8	58.2	61.5	64.8	67.7	70.1	72.2	73.9	75.3	76.5
-87.5°	25.7	27.4	28.9	30.3	31.9	33.4	34.8	36.1	37.0	37.7	38.3
-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°	29.4	29.5	29.5	29.3	29.1	27.9	26.7	25.3	23.8	24.5	25.2
85°	86.6	87.0	86.7	85.8	84.5	84.4	84.1	83.6	82.8	84.1	85.1
82.5°	163.1	164.4	164.5	163.8	162.1	162.8	163.1	162.8	161.8	163.0	163.7
80°	255.0	257.4	257.5	255.8	252.3	252.8	253.0	252.3	250.6	251.0	250.9
77.5°	363.2	368.8	370.8	370.0	366.5	365.4	363.0	358.0	350.8	350.6	350.8
75°	501.4	507.1	510.1	509.8	506.5	504.3	501.1	495.4	487.3	487.0	487.1
72.5°	653.8	662.2	665.9	669.4	669.3	668.1	664.0	655.5	643.0	641.5	643.0
70°	822.1	836.2	845.2	852.1	857.5	858.7	856.0	849.2	838.3	835.3	834.5
67.5°	1009.5	1032.2	1049.3	1060.7	1071.4	1079.1	1082.1	1079.0	1070.2	1067.2	1068.4
65°	1219.6	1254.5	1283.4	1305.0	1319.5	1329.7	1338.6	1344.0	1345.3	1348.4	1352.6
62.5°	1465.0	1507.9	1548.0	1575.4	1589.4	1599.4	1628.2	1644.8	1649.6	1650.6	1656.9
60°	1739.1	1793.3	1843.4	1883.6	1916.1	1940.7	1965.2	1981.4	1987.4	1988.7	1997.4
57.5°	2038.8	2106.9	2165.5	2227.8	2271.2	2296.3	2329.1	2362.9	2380.5	2385.6	2406.4
55°	2370.3	2463.2	2539.2	2605.8	2666.5	2719.8	2764.9	2799.8	2825.5	2841.0	2868.5
52.5°	2736.9	2846.1	2925.6	3003.8	3090.8	3152.1	3192.1	3256.5	3303.2	3328.8	3361.6
50°	3139.4	3261.1	3369.4	3451.5	3552.6	3636.3	3697.3	3758.3	3801.0	3825.4	3857.2
47.5°	3597.6	3747.5	3873.2	3949.2	4066.6	4165.2	4205.0	4251.1	4331.5	4370.1	4404.1
45°	4113.6	4304.7	4444.4	4563.3	4664.2	4774.9	4847.4	4899.7	4978.9	5018.6	5043.7
42.5°	4727.4	4940.1	5124.0	5266.8	5351.7	5495.2	5599.9	5629.3	5741.5	5817.6	5840.0
40°	5415.9	5651.6	5894.3	6057.1	6193.7	6339.4	6512.1	6608.3	6703.2	6777.7	6794.6
37.5°	6133.3	6448.9	6725.9	6936.0	7161.8	7376.8	7559.9	7659.7	7721.9	7864.6	7917.9
35°	6862.6	7188.3	7576.3	7902.8	8176.5	8442.0	8650.8	8815.2	8971.8	9100.3	9177.2
32.5°	7483.7	7834.2	8313.2	8802.0	9097.6	9385.1	9728.1	9916.2	10125.1	10294.4	10418.0
30°	7994.1	8327.3	8763.4	9376.9	9781.6	10072.9	10507.0	10767.1	10994.6	11281.5	11381.3
27.5°	8018.3	8539.1	8924.7	9453.1	10060.4	10356.1	10677.3	11150.2	11293.6	11702.6	11761.6
25°	7807.8	8354.7	8751.0	9192.0	9696.9	10056.6	10350.1	10743.2	10949.0	11212.1	11414.2
22.5°	7478.6	7960.6	8364.8	8738.8	9132.8	9460.4	9728.6	10004.9	10230.8	10434.9	10624.5
20°	7115.1	7572.5	7955.9	8277.5	8589.7	8893.4	9134.7	9366.8	9562.2	9737.4	9845.3
17.5°	6859.0	7188.1	7579.9	7909.3	8180.1	8418.4	8667.9	8862.2	9033.6	9191.3	9289.9
15°	6684.2	6997.2	7276.1	7578.4	7863.7	8090.9	8278.8	8479.3	8627.4	8763.2	8870.0
12.5°	6502.8	6825.3	7117.1	7368.9	7592.2	7840.4	8041.2	8198.9	8354.3	8460.9	8570.7
10°	6351.2	6653.0	6955.7	7221.6	7456.5	7661.0	7851.2	8028.0	8167.5	8287.0	8373.5
7.5°	6263.3	6559.2	6831.2	7086.3	7315.4	7533.3	7729.4	7891.5	8029.7	8153.5	8244.1
5°	6161.3	6454.2	6725.8	6986.5	7206.5	7415.9	7611.2	7778.0	7921.0	8031.3	8117.9
2.5°	6044.4	6333.3	6604.2	6869.2	7089.1	7291.0	7475.9	7638.5	7787.6	7892.6	7966.4
0°	5911.1	6200.5	6465.2	6714.8	6936.0	7153.5	7323.7	7488.2	7633.8	7737.8	7811.6
-2.5°	5776.8	6064.3	6338.3	6577.5	6797.1	6997.9	7179.0	7334.4	7473.4	7577.0	7641.8
-5°	5598.2	5883.9	6154.3	6395.3	6624.7	6826.3	7002.4	7160.4	7294.4	7407.3	7495.1
-7.5°	5381.9	5670.9	5941.0	6187.1	6415.3	6605.8	6774.9	6934.1	7077.1	7200.5	7308.6
-10°	5144.1	5429.9	5685.1	5915.6	6128.3	6322.0	6501.9	6659.1	6790.2	6911.0	7002.0
-12.5°	4867.1	5131.7	5381.4	5608.6	5816.5	6010.5	6181.5	6331.3	6463.2	6570.3	6652.3
-15°	4561.5	4812.6	5049.1	5281.3	5499.1	5690.0	5840.6	5998.5	6112.8	6216.7	6290.5
-17.5°	4234.5	4477.3	4726.1	4958.9	5159.9	5348.2	5513.9	5658.2	5778.2	5873.5	5956.7
-20°	3903.1	4150.5	4389.9	4611.7	4805.0	4979.6	5147.4	5286.0	5409.0	5512.6	5610.3



REPORT NUMBER: P559050 (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°	3570.3	3797.2	4021.9	4238.9	4421.8	4586.8	4733.6	4866.3	4974.8	5097.0	5183.2
-25°	3228.4	3427.3	3630.2	3821.8	3994.7	4157.0	4290.1	4406.3	4519.5	4637.4	4721.5
-27.5°	2884.8	3060.6	3225.5	3395.1	3546.5	3687.1	3810.7	3912.4	4022.2	4101.0	4193.4
-30°	2545.1	2704.5	2842.0	2960.1	3102.4	3223.1	3319.2	3420.3	3511.0	3586.3	3664.2
-32.5°	2257.4	2366.4	2476.2	2574.9	2669.6	2768.8	2846.3	2934.5	2996.7	3061.5	3124.5
-35°	1981.0	2064.9	2137.8	2230.1	2301.1	2355.1	2419.7	2484.4	2509.3	2579.8	2617.4
-37.5°	1730.6	1785.7	1853.7	1918.0	1970.7	2011.0	2068.6	2102.5	2120.3	2165.9	2190.3
-40°	1516.2	1551.1	1614.6	1658.4	1690.1	1719.5	1767.3	1789.3	1813.6	1836.3	1837.0
-42.5°	1327.7	1372.5	1415.6	1450.1	1470.0	1503.4	1526.0	1528.5	1560.0	1580.2	1583.3
-45°	1173.5	1219.0	1253.2	1278.5	1298.5	1327.2	1341.7	1349.8	1375.6	1389.3	1395.3
-47.5°	1055.1	1086.9	1116.4	1136.0	1162.2	1183.5	1194.1	1207.6	1227.4	1240.0	1249.0
-50°	950.9	976.1	998.6	1016.5	1042.7	1061.6	1071.7	1088.4	1103.1	1112.3	1119.3
-52.5°	859.4	881.8	897.4	914.8	936.5	953.3	966.3	982.7	995.0	1003.0	1009.2
-55°	773.6	794.8	810.0	828.9	844.4	855.7	866.7	882.9	894.9	903.0	908.4
-57.5°	698.0	713.8	728.7	746.0	760.7	773.0	782.8	791.7	799.7	806.4	811.5
-60°	627.1	640.1	653.7	667.2	678.3	687.1	697.7	705.8	710.9	714.1	718.4
-62.5°	559.0	570.7	582.7	593.6	602.4	609.8	618.4	625.0	629.8	633.2	635.7
-65°	494.2	504.3	514.5	523.6	531.2	537.6	543.6	548.3	551.6	554.4	556.7
-67.5°	433.7	441.6	448.8	455.0	460.8	466.2	471.5	475.1	477.0	479.3	481.6
-70°	375.2	381.5	386.3	390.0	393.4	397.7	402.8	406.4	408.4	410.7	412.8
-72.5°	318.7	323.3	327.2	330.3	332.2	334.9	338.5	341.3	343.5	345.2	346.0
-75°	264.3	268.0	271.5	273.9	275.3	277.3	279.1	280.0	280.2	280.9	281.5
-77.5°	211.0	214.8	218.0	220.3	221.7	223.3	224.6	225.3	225.5	225.5	225.0
-80°	164.8	167.3	169.4	171.0	172.1	173.2	173.8	174.0	173.6	174.0	174.1
-82.5°	119.7	122.0	123.8	125.2	126.2	127.3	128.3	128.9	129.3	129.4	129.3
-85°	77.5	78.5	79.5	80.4	81.2	81.8	82.0	82.1	81.9	82.0	81.8
-87.5°	38.7	38.3	37.7	36.9	36.0	36.2	36.4	36.5	36.5	36.9	37.2
-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: P559050 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5C-930-U-WAF-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°	25.8	26.4	24.6	22.7	24.6	26.4	25.8	25.2	24.5	23.8	25.3
85°	86.0	86.5	85.0	83.2	85.0	86.5	86.0	85.1	84.1	82.8	83.6
82.5°	163.9	163.6	162.4	160.7	162.4	163.6	163.9	163.7	163.0	161.8	162.8
80°	250.0	248.4	247.4	245.8	247.4	248.4	250.0	250.9	251.0	250.6	252.3
77.5°	350.0	348.1	351.2	353.6	351.2	348.1	350.0	350.8	350.6	350.8	358.0
75°	485.2	481.5	477.9	472.7	477.9	481.5	485.2	487.1	487.0	487.3	495.4
72.5°	642.3	639.3	636.4	631.6	636.4	639.3	642.3	643.0	641.5	643.0	655.5
70°	829.5	820.7	822.1	822.6	822.1	820.7	829.5	834.5	835.3	838.3	849.2
67.5°	1064.9	1057.0	1057.9	1057.0	1057.9	1057.0	1064.9	1068.4	1067.2	1070.2	1079.0
65°	1350.1	1341.1	1330.2	1314.2	1330.2	1341.1	1350.1	1352.6	1348.4	1345.3	1344.0
62.5°	1656.2	1648.2	1652.8	1656.5	1652.8	1648.2	1656.2	1656.9	1650.6	1649.6	1644.8
60°	1996.1	1984.9	1979.4	1970.4	1979.4	1984.9	1996.1	1997.4	1988.7	1987.4	1981.4
57.5°	2415.9	2413.8	2408.9	2395.8	2408.9	2413.8	2415.9	2406.4	2385.6	2380.5	2362.9
55°	2881.4	2878.8	2889.5	2902.6	2889.5	2878.8	2881.4	2868.5	2841.0	2825.5	2799.8
52.5°	3385.8	3394.3	3391.3	3373.5	3391.3	3394.3	3385.8	3361.6	3328.8	3303.2	3256.5
50°	3885.1	3894.7	3904.9	3914.3	3904.9	3894.7	3885.1	3857.2	3825.4	3801.0	3758.3
47.5°	4451.0	4476.2	4480.6	4462.7	4480.6	4476.2	4451.0	4404.1	4370.1	4331.5	4251.1
45°	5093.9	5109.2	5116.9	5132.1	5116.9	5109.2	5093.9	5043.7	5018.6	4978.9	4899.7
42.5°	5904.5	5922.1	5924.9	5941.4	5924.9	5922.1	5904.5	5840.0	5817.6	5741.5	5629.3
40°	6866.6	6895.1	6890.2	6883.1	6890.2	6895.1	6866.6	6794.6	6777.7	6703.2	6608.3
37.5°	7992.9	8041.3	8046.4	8076.3	8046.4	8041.3	7992.9	7917.9	7864.6	7721.9	7659.7
35°	9256.9	9313.9	9304.0	9318.7	9304.0	9313.9	9256.9	9177.2	9100.3	8971.8	8815.2
32.5°	10531.8	10617.4	10634.6	10706.6	10634.6	10617.4	10531.8	10418.0	10294.4	10125.1	9916.2
30°	11533.6	11653.5	11731.7	11725.8	11731.7	11653.5	11533.6	11381.3	11281.5	10994.6	10767.1
27.5°	11948.5	12103.9	12249.3	12293.1	12249.3	12103.9	11948.5	11761.6	11702.6	11293.6	11150.2
25°	11543.7	11657.2	11785.6	11854.4	11785.6	11657.2	11543.7	11414.2	11212.1	10949.0	10743.2
22.5°	10711.7	10785.6	10829.4	10793.6	10829.4	10785.6	10711.7	10624.5	10434.9	10230.8	10004.9
20°	9956.9	10050.3	10067.7	10105.3	10067.7	10050.3	9956.9	9845.3	9737.4	9562.2	9366.8
17.5°	9395.0	9456.2	9492.1	9500.2	9492.1	9456.2	9395.0	9289.9	9191.3	9033.6	8862.2
15°	8954.7	9003.7	9035.9	9050.1	9035.9	9003.7	8954.7	8870.0	8763.2	8627.4	8479.3
12.5°	8642.6	8702.4	8731.7	8749.5	8731.7	8702.4	8642.6	8570.7	8460.9	8354.3	8198.9
10°	8442.5	8500.2	8523.5	8532.0	8523.5	8500.2	8442.5	8373.5	8287.0	8167.5	8028.0
7.5°	8298.8	8335.9	8351.6	8363.7	8351.6	8335.9	8298.8	8244.1	8153.5	8029.7	7891.5
5°	8182.9	8212.4	8229.0	8246.5	8229.0	8212.4	8182.9	8117.9	8031.3	7921.0	7778.0
2.5°	8025.1	8067.2	8096.5	8114.1	8096.5	8067.2	8025.1	7966.4	7892.6	7787.6	7638.5
0°	7870.2	7909.9	7930.7	7964.7	7930.7	7909.9	7870.2	7811.6	7737.8	7633.8	7488.2
-2.5°	7699.8	7745.8	7800.5	7853.2	7800.5	7745.8	7699.8	7641.8	7577.0	7473.4	7334.4
-5°	7569.5	7630.2	7641.6	7675.4	7641.6	7630.2	7569.5	7495.1	7407.3	7294.4	7160.4
-7.5°	7372.9	7400.5	7447.7	7456.1	7447.7	7400.5	7372.9	7308.6	7200.5	7077.1	6934.1
-10°	7069.9	7115.0	7144.4	7174.3	7144.4	7115.0	7069.9	7002.0	6911.0	6790.2	6659.1
-12.5°	6713.9	6766.8	6814.1	6807.5	6814.1	6766.8	6713.9	6652.3	6570.3	6463.2	6331.3
-15°	6367.1	6418.2	6450.7	6446.3	6450.7	6418.2	6367.1	6290.5	6216.7	6112.8	5998.5
-17.5°	6022.8	6069.5	6116.5	6115.4	6116.5	6069.5	6022.8	5956.7	5873.5	5778.2	5658.2
-20°	5667.4	5707.3	5757.7	5778.8	5757.7	5707.3	5667.4	5610.3	5512.6	5409.0	5286.0



REPORT NUMBER: P559050 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5C-930-U-WAF-XX

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	5256.3	5307.5	5344.1	5366.5	5344.1	5307.5	5256.3	5183.2	5097.0	4974.8	4866.3
-25°	4777.2	4829.7	4857.5	4867.3	4857.5	4829.7	4777.2	4721.5	4637.4	4519.5	4406.3
-27.5°	4247.9	4306.8	4335.4	4320.8	4335.4	4306.8	4247.9	4193.4	4101.0	4022.2	3912.4
-30°	3705.1	3742.8	3747.2	3780.0	3747.2	3742.8	3705.1	3664.2	3586.3	3511.0	3420.3
-32.5°	3169.5	3194.8	3180.5	3182.5	3180.5	3194.8	3169.5	3124.5	3061.5	2996.7	2934.5
-35°	2640.7	2660.9	2664.9	2702.2	2664.9	2660.9	2640.7	2617.4	2579.8	2509.3	2484.4
-37.5°	2215.7	2223.8	2211.3	2193.5	2211.3	2223.8	2215.7	2190.3	2165.9	2120.3	2102.5
-40°	1855.0	1861.3	1856.7	1847.5	1856.7	1861.3	1855.0	1837.0	1836.3	1813.6	1789.3
-42.5°	1595.6	1595.7	1591.5	1590.3	1591.5	1595.7	1595.6	1583.3	1580.2	1560.0	1528.5
-45°	1404.0	1406.0	1405.7	1405.0	1405.7	1406.0	1404.0	1395.3	1389.3	1375.6	1349.8
-47.5°	1255.4	1255.7	1253.8	1249.9	1253.8	1255.7	1255.4	1249.0	1240.0	1227.4	1207.6
-50°	1123.7	1123.7	1126.3	1130.8	1126.3	1123.7	1123.7	1119.3	1112.3	1103.1	1088.4
-52.5°	1012.5	1012.2	1013.6	1015.4	1013.6	1012.2	1012.5	1009.2	1003.0	995.0	982.7
-55°	910.8	910.2	908.9	905.8	908.9	910.2	910.8	908.4	903.0	894.9	882.9
-57.5°	813.5	812.4	809.9	805.5	809.9	812.4	813.5	811.5	806.4	799.7	791.7
-60°	720.8	721.2	720.0	716.7	720.0	721.2	720.8	718.4	714.1	710.9	705.8
-62.5°	636.3	635.0	634.7	633.5	634.7	635.0	636.3	635.7	633.2	629.8	625.0
-65°	557.1	555.8	556.2	555.9	556.2	555.8	557.1	556.7	554.4	551.6	548.3
-67.5°	482.6	482.2	482.6	482.2	482.6	482.2	482.6	481.6	479.3	477.0	475.1
-70°	413.9	414.1	411.9	408.4	411.9	414.1	413.9	412.8	410.7	408.4	406.4
-72.5°	345.8	344.6	344.7	344.2	344.7	344.6	345.8	346.0	345.2	343.5	341.3
-75°	281.3	280.6	282.3	283.6	282.3	280.6	281.3	281.5	280.9	280.2	280.0
-77.5°	224.0	222.3	223.8	225.0	223.8	222.3	224.0	225.0	225.5	225.5	225.3
-80°	173.9	173.3	172.9	172.1	172.9	173.3	173.9	174.1	174.0	173.6	174.0
-82.5°	128.8	128.1	127.5	126.7	127.5	128.1	128.8	129.3	129.4	129.3	128.9
-85°	81.5	81.0	82.2	83.2	82.2	81.0	81.5	81.8	82.0	81.9	82.1
-87.5°	37.5	37.7	36.8	35.9	36.8	37.7	37.5	37.2	36.9	36.5	36.5
-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: P559050 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5C-930-U-WAF-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°	26.7	27.9	29.1	29.3	29.5	29.5	29.4	29.2	29.0	28.6	28.1
85°	84.1	84.4	84.5	85.8	86.7	87.0	86.6	85.2	83.1	80.5	77.3
82.5°	163.1	162.8	162.1	163.8	164.5	164.4	163.1	159.9	155.8	150.6	144.5
80°	253.0	252.8	252.3	255.8	257.5	257.4	255.0	249.2	241.6	233.8	226.0
77.5°	363.0	365.4	366.5	370.0	370.8	368.8	363.2	354.4	346.7	336.7	323.4
75°	501.1	504.3	506.5	509.8	510.1	507.1	501.4	490.7	476.5	458.9	435.4
72.5°	664.0	668.1	669.3	669.4	665.9	662.2	653.8	639.5	621.0	598.1	567.0
70°	856.0	858.7	857.5	852.1	845.2	836.2	822.1	802.0	776.4	749.4	711.3
67.5°	1082.1	1079.1	1071.4	1060.7	1049.3	1032.2	1009.5	980.7	951.1	917.3	866.0
65°	1338.6	1329.7	1319.5	1305.0	1283.4	1254.5	1219.6	1183.1	1144.5	1097.4	1032.6
62.5°	1628.2	1599.4	1589.4	1575.4	1548.0	1507.9	1465.0	1418.7	1361.0	1293.6	1228.5
60°	1965.2	1940.7	1916.1	1883.6	1843.4	1793.3	1739.1	1676.3	1605.4	1530.3	1443.2
57.5°	2329.1	2296.3	2271.2	2227.8	2165.5	2106.9	2038.8	1952.3	1867.2	1780.2	1676.2
55°	2764.9	2719.8	2666.5	2605.8	2539.2	2463.2	2370.3	2269.4	2165.2	2045.5	1934.5
52.5°	3192.1	3152.1	3090.8	3003.8	2925.6	2846.1	2736.9	2618.6	2500.8	2376.7	2221.0
50°	3697.3	3636.3	3552.6	3451.5	3369.4	3261.1	3139.4	2995.9	2873.4	2731.3	2559.7
47.5°	4205.0	4165.2	4066.6	3949.2	3873.2	3747.5	3597.6	3437.0	3301.6	3108.5	2921.4
45°	4847.4	4774.9	4664.2	4563.3	4444.4	4304.7	4113.6	3960.0	3779.1	3568.2	3297.2
42.5°	5599.9	5495.2	5351.7	5266.8	5124.0	4940.1	4727.4	4534.1	4308.4	4061.8	3750.4
40°	6512.1	6339.4	6193.7	6057.1	5894.3	5651.6	5415.9	5158.5	4888.7	4585.3	4179.9
37.5°	7559.9	7376.8	7161.8	6936.0	6725.9	6448.9	6133.3	5830.2	5505.9	5049.5	4587.4
35°	8650.8	8442.0	8176.5	7902.8	7576.3	7188.3	6862.6	6505.1	6062.3	5470.1	4964.4
32.5°	9728.1	9385.1	9097.6	8802.0	8313.2	7834.2	7483.7	7166.1	6414.0	5803.0	5295.6
30°	10507.0	10072.9	9781.6	9376.9	8763.4	8327.3	7994.1	7334.7	6634.8	6035.1	5553.6
27.5°	10677.3	10356.1	10060.4	9453.1	8924.7	8539.1	8018.3	7346.1	6709.6	6145.3	5679.2
25°	10350.1	10056.6	9696.9	9192.0	8751.0	8354.7	7807.8	7199.0	6627.8	6130.3	5607.1
22.5°	9728.6	9460.4	9132.8	8738.8	8364.8	7960.6	7478.6	6951.0	6459.7	5993.9	5487.4
20°	9134.7	8893.4	8589.7	8277.5	7955.9	7572.5	7115.1	6683.7	6283.8	5832.9	5343.6
17.5°	8667.9	8418.4	8180.1	7909.3	7579.9	7188.1	6859.0	6503.6	6108.5	5660.5	5179.5
15°	8278.8	8090.9	7863.7	7578.4	7276.1	6997.2	6684.2	6320.7	5927.2	5474.2	5026.3
12.5°	8041.2	7840.4	7592.2	7368.9	7117.1	6825.3	6502.8	6132.0	5755.7	5376.3	4974.7
10°	7851.2	7661.0	7456.5	7221.6	6955.7	6653.0	6351.2	6029.0	5678.5	5306.1	4908.7
7.5°	7729.4	7533.3	7315.4	7086.3	6831.2	6559.2	6263.3	5942.6	5588.7	5217.1	4827.4
5°	7611.2	7415.9	7206.5	6986.5	6725.8	6454.2	6161.3	5839.8	5484.4	5109.4	4730.1
2.5°	7475.9	7291.0	7089.1	6869.2	6604.2	6333.3	6044.4	5718.8	5368.8	5008.3	4619.4
0°	7323.7	7153.5	6936.0	6714.8	6465.2	6200.5	5911.1	5578.3	5236.1	4895.7	4491.0
-2.5°	7179.0	6997.9	6797.1	6577.5	6338.3	6064.3	5776.8	5454.9	5105.3	4761.3	4365.5
-5°	7002.4	6826.3	6624.7	6395.3	6154.3	5883.9	5598.2	5287.1	4943.3	4603.1	4225.0
-7.5°	6774.9	6605.8	6415.3	6187.1	5941.0	5670.9	5381.9	5071.1	4736.2	4399.7	4032.2
-10°	6501.9	6322.0	6128.3	5915.6	5685.1	5429.9	5144.1	4833.8	4511.5	4176.4	3823.0
-12.5°	6181.5	6010.5	5816.5	5608.6	5381.4	5131.7	4867.1	4571.0	4269.8	3933.1	3597.9
-15°	5840.6	5690.0	5499.1	5281.3	5049.1	4812.6	4561.5	4279.2	4000.9	3671.5	3356.9
-17.5°	5513.9	5348.2	5159.9	4958.9	4726.1	4477.3	4234.5	3975.8	3706.6	3406.5	3118.6
-20°	5147.4	4979.6	4805.0	4611.7	4389.9	4150.5	3903.1	3656.2	3403.5	3142.1	2880.5



REPORT NUMBER: P559050 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5C-930-U-WAF-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	4733.6	4586.8	4421.8	4238.9	4021.9	3797.2	3570.3	3337.2	3098.1	2873.0	2638.3
-25°	4290.1	4157.0	3994.7	3821.8	3630.2	3427.3	3228.4	3021.3	2815.5	2604.5	2396.4
-27.5°	3810.7	3687.1	3546.5	3395.1	3225.5	3060.6	2884.8	2706.4	2540.1	2354.1	2172.4
-30°	3319.2	3223.1	3102.4	2960.1	2842.0	2704.5	2545.1	2418.1	2274.0	2114.7	1966.7
-32.5°	2846.3	2768.8	2669.6	2574.9	2476.2	2366.4	2257.4	2139.6	2013.8	1900.4	1779.3
-35°	2419.7	2355.1	2301.1	2230.1	2137.8	2064.9	1981.0	1884.2	1788.1	1697.0	1599.8
-37.5°	2068.6	2011.0	1970.7	1918.0	1853.7	1785.7	1730.6	1664.1	1585.3	1512.4	1433.6
-40°	1767.3	1719.5	1690.1	1658.4	1614.6	1551.1	1516.2	1466.7	1412.5	1342.4	1279.0
-42.5°	1526.0	1503.4	1470.0	1450.1	1415.6	1372.5	1327.7	1299.2	1255.8	1201.2	1149.3
-45°	1341.7	1327.2	1298.5	1278.5	1253.2	1219.0	1173.5	1152.1	1119.3	1081.4	1032.3
-47.5°	1194.1	1183.5	1162.2	1136.0	1116.4	1086.9	1055.1	1024.9	1005.7	973.2	932.9
-50°	1071.7	1061.6	1042.7	1016.5	998.6	976.1	950.9	921.0	902.8	875.1	841.7
-52.5°	966.3	953.3	936.5	914.8	897.4	881.8	859.4	831.9	807.9	788.9	764.4
-55°	866.7	855.7	844.4	828.9	810.0	794.8	773.6	749.8	730.1	713.7	692.7
-57.5°	782.8	773.0	760.7	746.0	728.7	713.8	698.0	679.5	659.1	643.8	624.3
-60°	697.7	687.1	678.3	667.2	653.7	640.1	627.1	611.3	592.7	577.5	560.4
-62.5°	618.4	609.8	602.4	593.6	582.7	570.7	559.0	545.8	530.3	514.6	500.3
-65°	543.6	537.6	531.2	523.6	514.5	504.3	494.2	483.1	470.7	456.6	443.3
-67.5°	471.5	466.2	460.8	455.0	448.8	441.6	433.7	424.1	413.7	402.3	391.1
-70°	402.8	397.7	393.4	390.0	386.3	381.5	375.2	367.8	359.3	350.3	340.4
-72.5°	338.5	334.9	332.2	330.3	327.2	323.3	318.7	313.5	307.4	300.4	291.1
-75°	279.1	277.3	275.3	273.9	271.5	268.0	264.3	260.4	255.5	249.5	242.0
-77.5°	224.6	223.3	221.7	220.3	218.0	214.8	211.0	208.2	204.8	200.2	194.4
-80°	173.8	173.2	172.1	171.0	169.4	167.3	164.8	161.9	158.0	153.6	149.3
-82.5°	128.3	127.3	126.2	125.2	123.8	122.0	119.7	117.5	115.0	112.1	109.1
-85°	82.0	81.8	81.2	80.4	79.5	78.5	77.5	76.5	75.3	73.9	72.2
-87.5°	36.4	36.2	36.0	36.9	37.7	38.3	38.7	38.3	37.7	37.0	36.1
-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: P559050 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5C-930-U-WAF-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°	27.5	26.7	25.9	25.0	24.4	23.7	22.7	21.6	19.7	17.8	15.8
85°	73.4	68.9	63.8	58.2	52.9	47.3	45.5	43.2	39.4	35.5	31.5
82.5°	136.9	130.3	123.4	115.6	107.2	98.2	88.8	78.6	66.2	54.3	47.2
80°	216.0	205.0	192.8	179.5	164.8	149.1	136.1	122.0	104.4	87.5	71.3
77.5°	306.2	287.4	267.1	249.7	231.7	212.2	191.3	167.7	142.2	120.4	99.4
75°	406.6	382.9	358.6	332.1	303.9	275.5	250.6	221.7	187.3	153.7	127.1
72.5°	531.5	494.9	457.1	418.3	384.5	349.7	314.0	274.8	234.4	194.9	156.5
70°	665.3	614.8	567.3	520.6	472.0	424.0	382.4	334.0	280.9	235.4	191.4
67.5°	807.7	752.5	692.2	626.0	567.5	510.6	452.4	393.7	334.3	275.3	225.5
65°	969.5	899.7	824.3	751.6	674.1	598.1	532.9	455.6	386.5	321.4	258.9
62.5°	1147.3	1056.2	974.2	882.8	792.1	702.6	610.8	523.7	439.4	366.4	296.0
60°	1348.7	1248.9	1133.8	1031.5	922.1	812.3	703.3	589.5	497.6	410.2	334.1
57.5°	1570.4	1452.9	1329.8	1194.6	1066.2	936.2	795.5	664.9	553.6	457.9	370.7
55°	1802.0	1670.1	1531.0	1382.2	1223.6	1073.7	892.6	741.9	610.4	504.9	404.7
52.5°	2061.5	1903.7	1743.2	1575.5	1400.9	1207.1	1000.3	814.6	674.0	549.9	440.8
50°	2360.3	2163.1	1972.6	1779.8	1580.5	1347.5	1100.9	901.5	733.7	595.4	475.1
47.5°	2701.3	2461.8	2225.8	1994.4	1774.0	1477.8	1211.7	984.3	789.3	643.8	507.1
45°	3054.2	2790.5	2504.7	2237.0	1931.1	1609.8	1319.6	1060.6	856.5	686.0	536.6
42.5°	3408.7	3123.2	2816.5	2481.7	2092.5	1734.8	1418.2	1146.4	918.4	724.8	567.6
40°	3802.3	3454.8	3127.4	2709.1	2239.2	1848.6	1519.6	1226.8	974.1	763.9	598.5
37.5°	4177.6	3793.5	3433.5	2882.6	2373.5	1965.0	1612.3	1298.8	1025.1	806.1	626.7
35°	4528.0	4121.7	3587.8	3023.8	2506.7	2063.5	1694.3	1366.6	1079.2	843.3	651.9
32.5°	4847.6	4332.1	3706.1	3133.9	2612.3	2144.0	1768.8	1427.0	1125.5	875.4	674.3
30°	5065.5	4410.7	3787.3	3213.4	2691.0	2221.9	1829.4	1477.2	1164.0	902.5	695.0
27.5°	5077.0	4447.3	3830.7	3263.1	2745.2	2279.0	1875.4	1517.0	1194.8	927.6	716.6
25°	5037.2	4431.2	3837.1	3281.5	2773.9	2325.8	1910.8	1546.9	1223.1	952.1	734.1
22.5°	4944.1	4374.1	3808.1	3269.1	2805.3	2358.1	1940.0	1572.5	1246.0	970.6	747.8
20°	4826.6	4281.5	3759.5	3281.3	2821.2	2378.7	1962.0	1589.0	1260.8	983.1	757.7
17.5°	4682.5	4207.9	3751.4	3279.0	2821.2	2384.8	1971.9	1596.6	1267.8	989.9	763.9
15°	4616.3	4179.1	3726.8	3261.5	2805.7	2376.8	1970.1	1595.6	1267.3	991.3	768.2
12.5°	4563.0	4133.7	3686.9	3228.8	2775.2	2355.3	1957.0	1586.1	1259.7	991.3	771.4
10°	4495.7	4071.8	3631.6	3181.2	2730.3	2321.0	1933.3	1571.7	1255.9	989.7	771.6
7.5°	4413.6	3993.6	3561.1	3118.8	2676.3	2282.5	1908.9	1555.7	1248.0	983.9	768.9
5°	4318.4	3907.4	3485.4	3059.0	2635.2	2241.7	1876.7	1531.8	1234.7	974.1	763.5
2.5°	4215.3	3818.1	3400.7	2986.6	2583.3	2191.1	1835.9	1500.8	1216.3	960.6	755.5
0°	4095.8	3713.8	3301.6	2900.7	2520.7	2131.1	1787.0	1463.6	1193.2	943.6	745.0
-2.5°	3990.8	3599.2	3194.9	2807.5	2429.3	2059.3	1733.8	1426.1	1167.5	926.9	734.0
-5°	3868.7	3469.8	3075.7	2702.3	2328.4	1979.9	1674.1	1383.7	1137.7	907.3	720.9
-7.5°	3689.4	3311.7	2939.9	2584.1	2219.2	1894.3	1608.8	1337.1	1104.2	885.0	705.9
-10°	3487.4	3132.5	2786.0	2450.7	2113.1	1809.9	1540.0	1286.8	1067.5	860.2	688.9
-12.5°	3273.9	2943.8	2623.7	2310.7	2003.8	1726.6	1474.0	1237.5	1028.3	833.1	670.3
-15°	3050.2	2747.1	2454.1	2165.9	1890.9	1639.1	1404.9	1187.1	989.7	805.4	650.2
-17.5°	2822.6	2543.9	2278.7	2017.9	1775.6	1548.1	1333.4	1134.1	949.0	777.7	630.1
-20°	2614.9	2354.2	2099.8	1868.2	1659.3	1454.5	1260.2	1079.0	906.5	748.5	609.7



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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°	2407.8	2179.0	1949.4	1729.1	1545.3	1358.9	1186.1	1022.2	862.6	718.0	587.9
-25°	2201.5	2005.0	1802.5	1613.4	1434.8	1270.1	1114.4	964.0	817.5	686.4	564.8
-27.5°	2007.2	1835.2	1655.0	1497.5	1338.2	1182.7	1045.3	908.8	773.8	654.0	540.4
-30°	1821.8	1673.1	1522.6	1384.0	1242.7	1106.6	976.1	853.8	734.0	622.6	514.9
-32.5°	1650.6	1513.1	1396.4	1278.8	1154.9	1031.0	911.9	799.0	693.9	591.4	491.2
-35°	1491.4	1376.4	1273.8	1176.9	1070.1	962.4	853.2	744.7	653.9	559.2	467.7
-37.5°	1339.8	1255.2	1167.4	1081.3	985.8	895.1	797.8	699.9	614.1	526.2	443.8
-40°	1215.2	1143.0	1069.7	990.7	911.0	829.3	742.3	657.5	575.3	492.4	419.4
-42.5°	1096.4	1040.4	977.2	902.7	841.5	768.4	687.6	614.3	537.8	462.1	394.7
-45°	990.8	943.2	889.3	833.5	774.9	708.2	639.4	570.7	500.2	433.5	370.8
-47.5°	891.2	855.9	812.1	765.4	711.3	650.3	590.7	529.2	462.6	405.0	348.0
-50°	807.4	776.9	741.7	699.4	648.9	597.3	542.9	487.8	431.1	376.8	324.6
-52.5°	734.6	705.4	674.0	635.0	592.0	544.2	498.7	447.2	399.0	349.5	300.9
-55°	666.2	637.7	608.8	575.5	537.0	497.0	455.1	411.3	366.3	322.4	277.1
-57.5°	601.6	573.9	549.1	519.1	486.8	452.0	414.1	374.9	335.1	294.8	255.9
-60°	539.6	517.0	492.5	467.9	439.7	408.0	374.2	339.0	304.0	267.5	234.5
-62.5°	482.5	462.1	441.9	419.5	393.6	365.1	334.6	304.6	272.6	243.0	212.8
-65°	428.9	412.1	392.8	371.7	348.2	323.2	297.4	270.0	244.2	218.2	190.9
-67.5°	377.8	362.2	343.6	324.1	305.3	284.4	260.4	238.4	216.5	193.1	169.3
-70°	327.9	312.7	297.1	282.3	265.4	246.3	227.1	208.0	188.5	169.1	147.6
-72.5°	279.7	267.8	255.3	241.8	227.2	211.5	194.5	177.9	162.4	145.0	125.7
-75°	232.9	223.8	214.1	203.1	190.4	176.7	163.5	150.1	136.2	120.8	106.3
-77.5°	187.9	180.8	173.1	165.2	155.4	145.0	133.8	122.2	111.0	99.8	87.8
-80°	145.5	141.0	135.8	129.7	121.7	113.1	105.1	96.9	88.3	79.0	69.1
-82.5°	106.1	103.0	99.4	95.1	89.6	84.0	78.2	72.3	65.4	58.1	51.0
-85°	70.1	67.7	64.8	61.5	58.2	54.8	51.5	47.9	43.3	38.7	34.1
-87.5°	34.8	33.4	31.9	30.3	28.9	27.4	25.7	24.0	21.7	19.4	17.0
-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°	13.7	11.5	9.3	7.1	4.8	2.3	0.0
85°	27.4	23.1	18.7	14.2	9.5	4.7	0.0
82.5°	41.0	34.6	28.0	21.2	14.3	7.0	0.0
80°	55.7	46.0	37.2	28.2	19.0	9.3	0.0
77.5°	79.2	60.0	46.4	35.2	23.7	11.6	0.0
75°	102.4	78.7	56.5	42.1	28.3	13.9	0.0
72.5°	125.2	97.2	70.8	48.9	32.9	16.2	0.0
70°	148.4	115.3	84.8	56.3	37.4	18.4	0.0
67.5°	176.7	133.0	98.6	66.4	41.8	20.6	0.0
65°	204.3	152.6	112.0	76.1	46.1	22.7	0.0
62.5°	231.0	174.0	125.1	85.7	50.4	24.8	0.0
60°	256.7	194.7	137.8	95.0	54.5	26.9	0.0
57.5°	285.7	214.6	153.0	104.0	60.3	28.8	0.0
55°	313.9	233.6	167.8	112.7	66.0	30.8	0.0
52.5°	340.6	252.2	181.9	121.1	71.5	32.7	0.0
50°	365.7	272.7	195.4	129.1	76.9	34.5	0.0
47.5°	389.7	291.9	208.1	137.2	82.0	36.2	0.0
45°	414.7	309.9	220.1	146.2	86.9	37.9	0.0
42.5°	437.7	326.5	231.3	154.6	91.6	39.5	0.0
40°	458.8	341.7	242.7	162.6	96.0	41.0	0.0
37.5°	477.7	355.6	254.1	170.2	100.2	42.4	0.0
35°	494.6	369.5	264.5	177.3	104.2	43.8	0.0
32.5°	510.9	382.5	273.8	183.9	107.9	45.0	0.0
30°	528.3	393.9	282.2	190.0	111.3	46.2	0.0
27.5°	543.4	403.7	290.1	195.6	114.5	47.3	0.0
25°	556.1	412.0	297.1	200.6	117.4	48.3	0.0
22.5°	566.5	419.2	303.2	205.1	120.0	49.2	0.0
20°	574.5	426.4	308.2	209.1	122.3	50.0	0.0
17.5°	581.8	432.3	312.3	212.5	124.4	50.7	0.0
15°	587.6	436.9	315.4	215.4	126.2	51.3	0.0
12.5°	591.2	440.3	317.6	217.7	127.6	51.8	0.0
10°	592.7	442.4	318.9	219.5	128.8	52.3	0.0
7.5°	592.0	443.3	319.4	220.7	129.7	52.6	0.0
5°	589.4	443.0	319.0	221.4	130.2	52.8	0.0
2.5°	584.9	441.5	317.8	221.6	130.5	52.9	0.0
0°	578.6	438.7	315.8	221.2	130.5	52.9	0.0
-2.5°	572.0	434.6	314.3	220.2	130.2	53.0	0.0
-5°	563.8	429.3	312.0	218.7	129.6	52.9	0.0
-7.5°	554.1	423.0	309.1	216.7	128.7	52.8	0.0
-10°	542.9	415.7	305.4	214.2	127.5	52.6	0.0
-12.5°	530.5	407.5	301.1	211.2	126.1	52.2	0.0
-15°	516.7	398.5	296.0	207.8	124.4	51.8	0.0
-17.5°	501.8	388.7	290.3	203.9	122.4	51.3	0.0
-20°	486.3	378.3	284.0	199.6	120.2	50.6	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	470.8	367.2	277.0	194.9	117.8	49.9	0.0
-25°	454.4	356.1	269.4	189.7	115.1	49.0	0.0
-27.5°	437.1	344.6	261.2	184.2	112.2	48.1	0.0
-30°	419.0	332.3	252.4	178.3	109.0	47.0	0.0
-32.5°	400.3	319.3	243.4	172.1	105.7	45.9	0.0
-35°	382.8	305.7	233.9	165.6	102.2	44.7	0.0
-37.5°	365.4	292.0	223.9	158.7	98.5	43.3	0.0
-40°	347.5	278.8	213.5	151.5	94.5	41.9	0.0
-42.5°	328.9	265.2	203.1	144.0	90.5	40.4	0.0
-45°	309.8	251.1	192.9	136.3	86.2	38.8	0.0
-47.5°	290.1	236.7	182.2	128.3	81.8	37.2	0.0
-50°	272.2	221.9	171.2	121.2	77.3	35.4	0.0
-52.5°	254.2	206.7	159.8	114.2	72.6	33.6	0.0
-55°	236.0	192.1	148.2	106.9	67.8	31.7	0.0
-57.5°	217.4	177.3	136.2	99.5	62.8	29.7	0.0
-60°	198.8	162.1	124.1	91.9	57.8	27.7	0.0
-62.5°	180.5	146.7	113.8	84.1	53.5	25.6	0.0
-65°	161.9	131.0	103.3	76.1	49.0	23.4	0.0
-67.5°	143.0	116.4	92.6	68.0	44.5	21.2	0.0
-70°	123.9	103.1	81.8	59.8	39.8	19.0	0.0
-72.5°	107.5	89.5	70.8	52.4	35.0	16.7	0.0
-75°	91.4	75.9	59.7	45.0	30.2	14.4	0.0
-77.5°	75.1	62.1	49.7	37.7	25.3	12.0	0.0
-80°	58.7	49.3	39.9	30.2	20.3	9.7	0.0
-82.5°	43.9	37.0	30.0	22.7	15.3	7.3	0.0
-85°	29.3	24.7	20.0	15.2	10.2	4.9	0.0
-87.5°	14.7	12.4	10.0	7.6	5.1	2.4	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)