

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: P559130 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5E-940-U-WAF-XX**

Issue Date: 7/20/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P559130 (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-SA5E-940-U-WAF-XX  
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, WIDE ASYMMETRICAL FLOOD 6x7  
Light Source: (80) 4000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

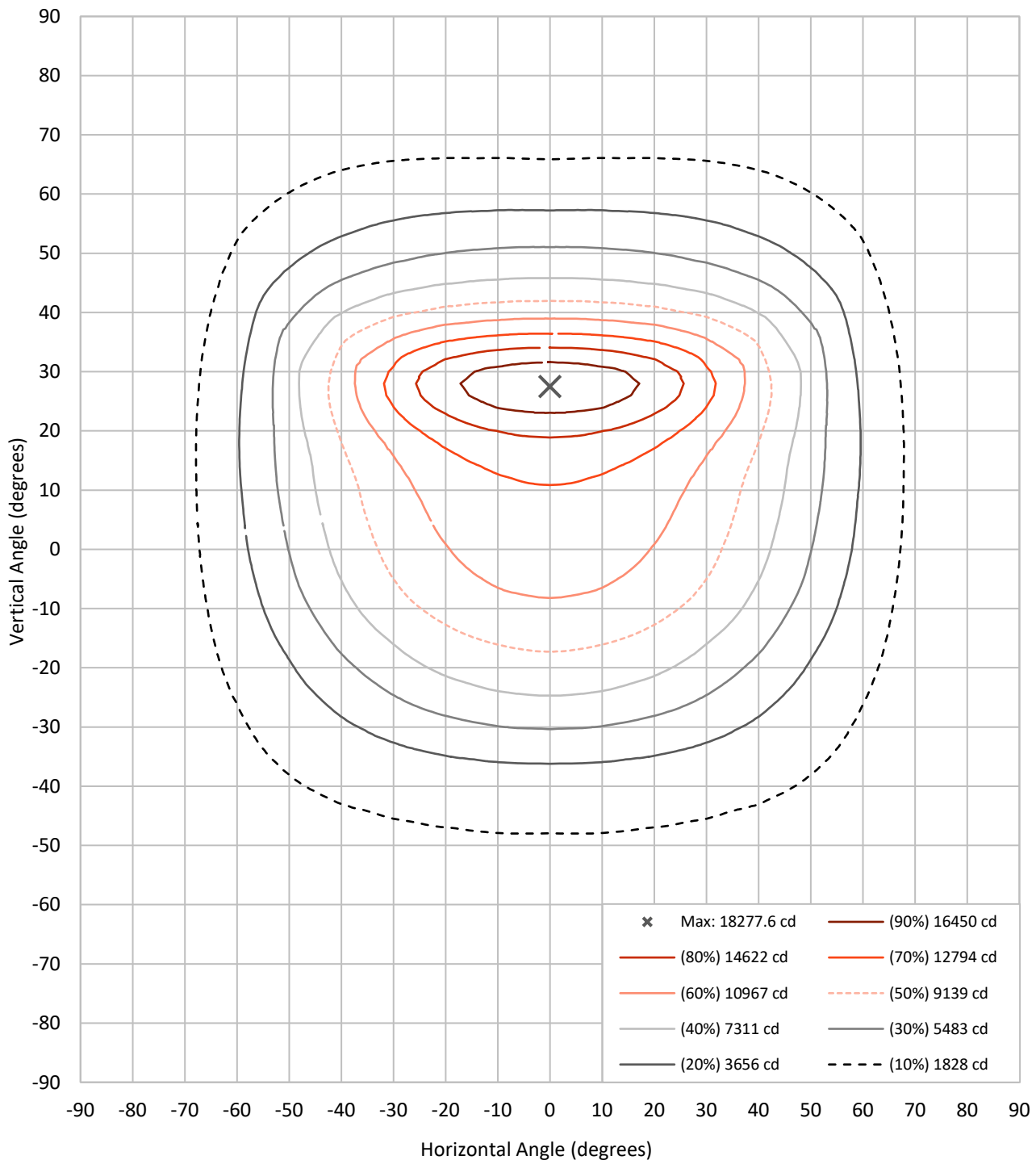
Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	26645.6 lumens	Max Intensity:	18277.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 27.5°V
Efficacy:	86.8 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	85°H x 59.2°V	Field Angle (10%):	134.5°H x 113.8°V
Beam Lumens:	13819.7 lumens	Field Lumens:	24649.4 lumens
Beam Efficiency:	51.9%	Field Efficiency:	92.5%

Input Watts (W): 307  
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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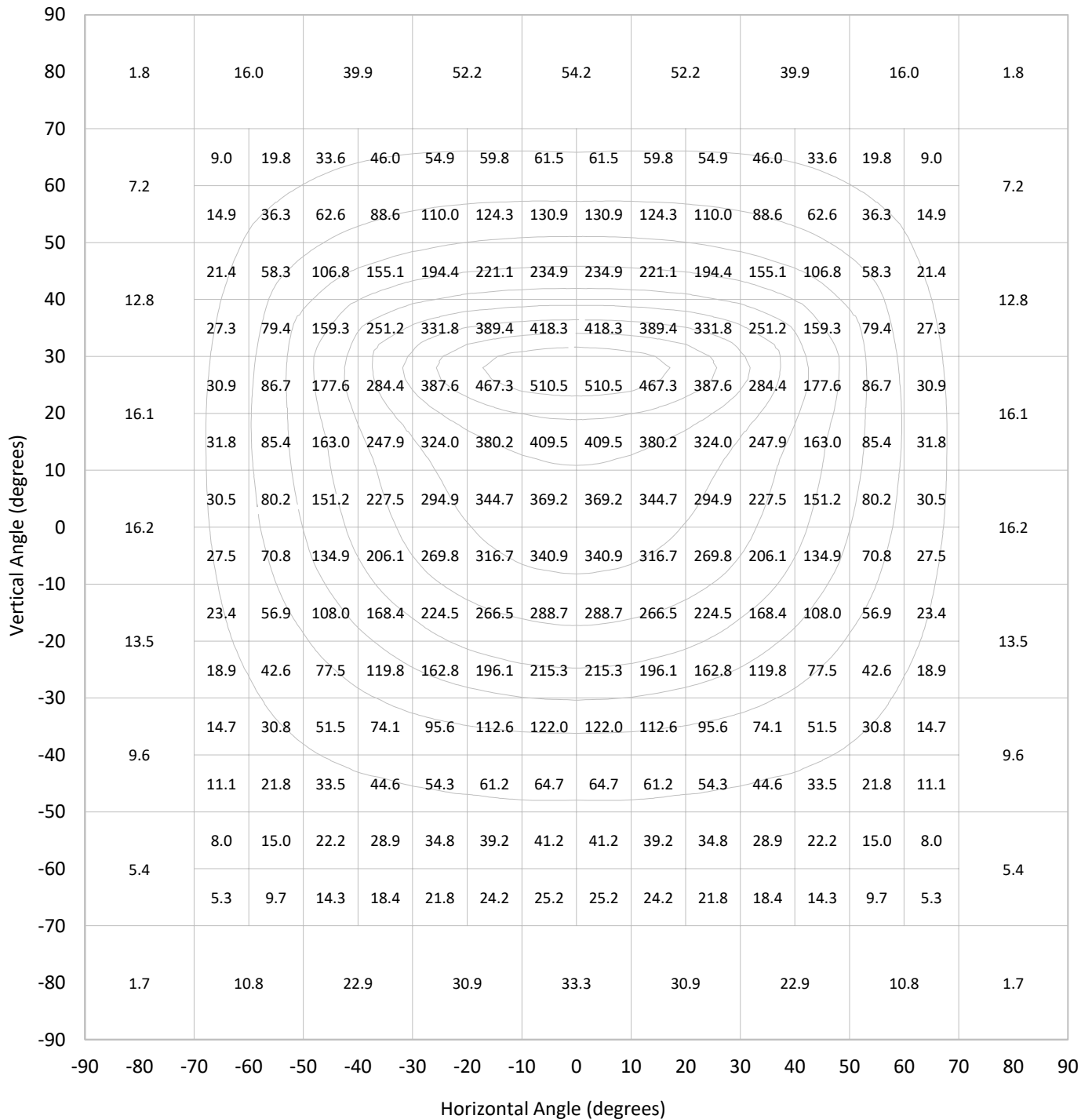
### Iso-Candela Plot





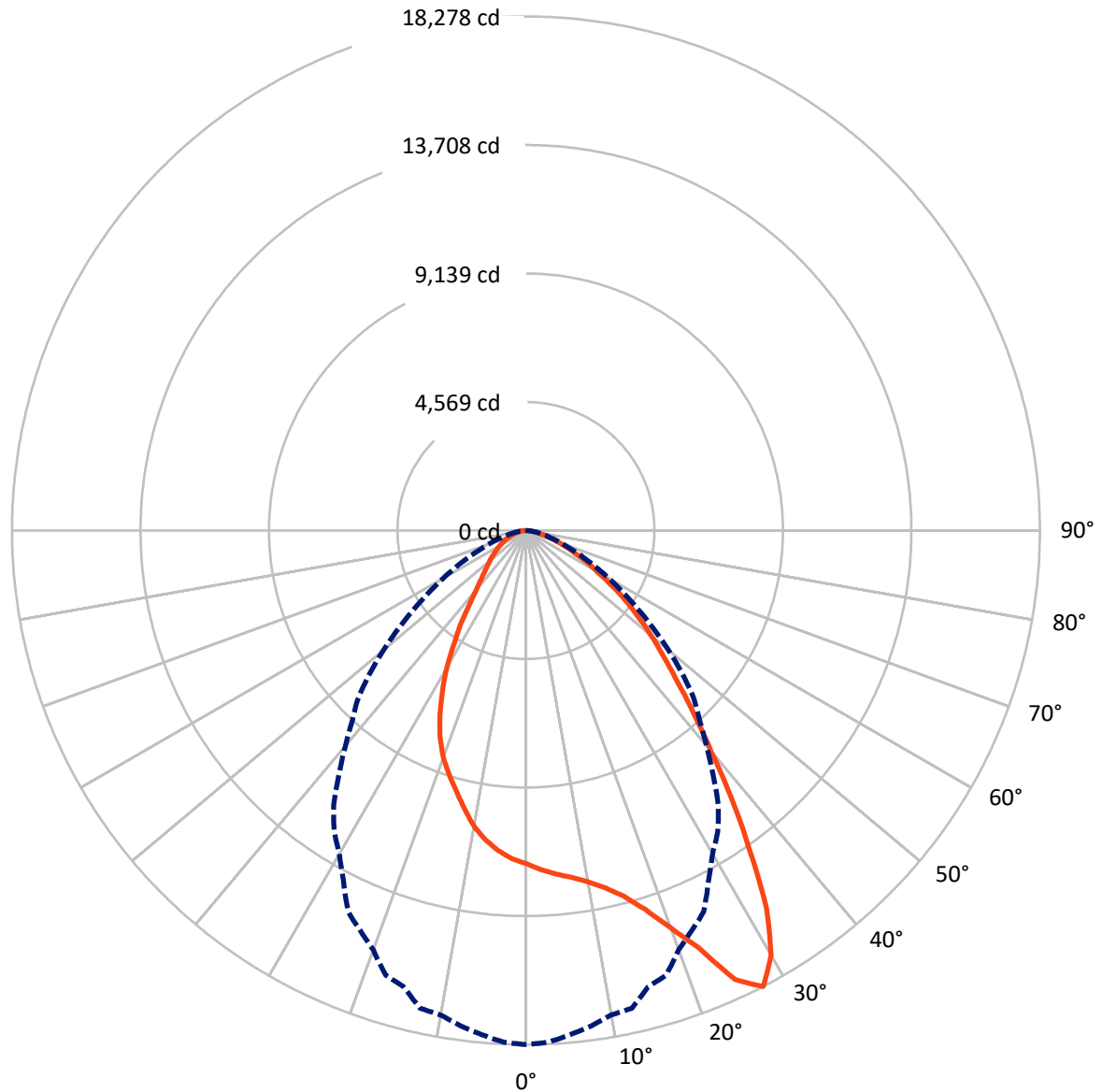
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### Lumen Table



REPORT NUMBER: P559130 (CONVERTED FROM TYPE C PHOTOMETRY)  
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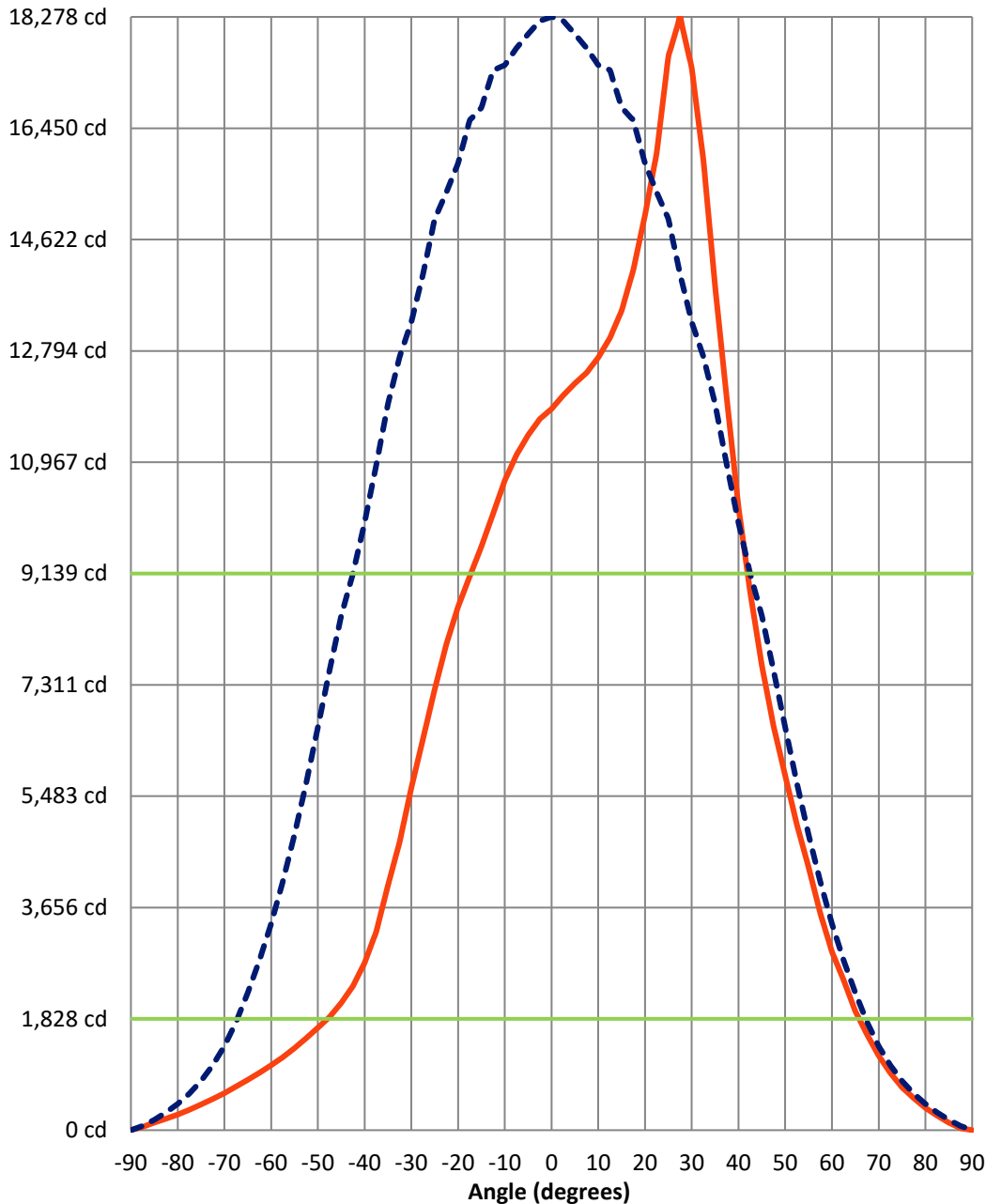
### Luminous Intensity Polar Plot



— 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: 13819.7  
 Efficiency: 51.9%

**Field:**  
 H Angle: 134.5°  
 V Angle: 113.8°  
 Lumens: 24649.4  
 Efficiency: 92.5%

**Spill:**  
 Lumens: 1996.1  
 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	3.5	7.1	10.5	13.9	17.2	20.4	23.4	26.4	29.3	32.1
85°	0.0	7.0	14.2	21.1	27.8	34.3	40.7	46.9	52.8	58.6	64.1
82.5°	0.0	10.5	21.2	31.6	41.6	51.4	61.0	70.2	80.8	98.5	116.8
80°	0.0	13.9	28.3	42.0	55.4	68.5	82.9	106.0	130.1	155.2	181.3
77.5°	0.0	17.3	35.2	52.4	69.1	89.3	117.8	147.7	179.0	211.4	249.2
75°	0.0	20.7	42.1	62.6	84.1	117.1	152.2	189.0	228.5	278.4	329.5
72.5°	0.0	24.1	48.9	72.8	105.3	144.5	186.1	232.7	289.8	348.5	408.6
70°	0.0	27.4	55.6	83.8	126.2	171.4	220.6	284.5	350.0	417.6	496.6
67.5°	0.0	30.6	62.1	98.7	146.6	197.7	262.8	335.3	409.3	497.0	585.4
65°	0.0	33.8	68.6	113.2	166.6	226.9	303.8	384.9	477.9	574.7	677.3
62.5°	0.0	36.9	74.9	127.4	186.0	258.7	343.4	440.2	544.8	653.3	778.6
60°	0.0	39.9	81.0	141.2	204.9	289.5	381.6	496.7	610.0	739.8	876.6
57.5°	0.0	42.9	89.7	154.6	227.5	319.0	424.8	551.1	680.8	823.2	988.5
55°	0.0	45.8	98.2	167.5	249.5	347.3	466.7	601.7	750.8	907.5	1103.1
52.5°	0.0	48.6	106.4	180.0	270.5	375.0	506.4	655.4	817.7	1002.1	1211.1
50°	0.0	51.3	114.3	191.9	290.5	405.4	543.8	706.5	885.2	1090.8	1340.3
47.5°	0.0	53.9	121.9	204.0	309.4	434.0	579.4	754.0	957.3	1173.5	1463.5
45°	0.0	56.3	129.2	217.2	327.2	460.7	616.6	797.9	1020.0	1273.4	1576.9
42.5°	0.0	58.7	136.1	229.8	343.9	485.4	650.9	843.9	1077.6	1365.5	1704.5
40°	0.0	61.0	142.7	241.7	360.8	508.1	682.1	889.9	1135.7	1448.3	1824.0
37.5°	0.0	63.1	149.0	253.0	377.7	528.8	710.3	931.8	1198.5	1524.1	1931.1
35°	0.0	65.1	154.9	263.6	393.2	549.3	735.4	969.3	1253.8	1604.6	2031.9
32.5°	0.0	67.0	160.4	273.4	407.1	568.7	759.6	1002.5	1301.5	1673.5	2121.8
30°	0.0	68.8	165.5	282.5	419.6	585.6	785.5	1033.3	1341.8	1730.8	2196.3
27.5°	0.0	70.4	170.2	290.7	431.4	600.2	807.9	1065.4	1379.2	1776.5	2255.6
25°	0.0	71.9	174.5	298.2	441.8	612.5	826.8	1091.5	1415.7	1818.6	2300.0
22.5°	0.0	73.2	178.4	304.9	450.7	623.3	842.2	1111.8	1443.1	1852.5	2338.0
20°	0.0	74.4	181.9	310.8	458.2	633.9	854.2	1126.5	1461.7	1874.5	2362.6
17.5°	0.0	75.5	184.9	315.9	464.3	642.7	865.0	1135.7	1471.9	1885.0	2373.9
15°	0.0	76.4	187.5	320.2	468.9	649.6	873.7	1142.1	1474.0	1884.2	2372.4
12.5°	0.0	77.1	189.7	323.7	472.2	654.7	879.0	1146.9	1474.0	1873.0	2358.3
10°	0.0	77.7	191.4	326.3	474.1	657.8	881.2	1147.2	1471.5	1867.3	2336.9
7.5°	0.0	78.2	192.7	328.2	474.8	659.2	880.2	1143.2	1462.8	1855.5	2313.0
5°	0.0	78.5	193.6	329.2	474.2	658.7	876.3	1135.2	1448.2	1835.8	2277.5
2.5°	0.0	78.7	194.0	329.4	472.4	656.4	869.6	1123.3	1428.1	1808.5	2231.5
0°	0.0	78.7	194.0	328.9	469.5	652.3	860.3	1107.7	1402.9	1774.1	2176.1
-2.5°	0.0	78.8	193.5	327.4	467.2	646.1	850.4	1091.4	1378.1	1735.9	2120.4
-5°	0.0	78.8	192.6	325.2	463.9	638.3	838.3	1072.0	1348.9	1691.6	2057.4
-7.5°	0.0	78.6	191.3	322.2	459.5	628.9	823.8	1049.5	1315.8	1641.8	1988.1
-10°	0.0	78.2	189.6	318.5	454.0	618.1	807.3	1024.4	1278.9	1587.2	1913.3
-12.5°	0.0	77.7	187.5	314.0	447.5	605.9	788.8	996.7	1238.7	1528.9	1839.9
-15°	0.0	77.1	184.9	308.9	440.1	592.5	768.4	966.8	1197.5	1471.6	1765.0
-17.5°	0.0	76.3	182.0	303.2	431.6	577.9	746.2	937.0	1156.4	1411.0	1686.2
-20°	0.0	75.3	178.7	296.8	422.2	562.4	723.2	906.6	1112.9	1347.8	1604.3



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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	74.2	175.1	289.7	411.8	545.9	700.1	874.2	1067.6	1282.5	1519.8
-25°	0.0	73.0	171.1	282.1	400.5	529.4	675.6	839.8	1020.7	1215.4	1433.3
-27.5°	0.0	71.5	166.8	273.9	388.3	512.2	649.9	803.6	972.4	1150.5	1351.2
-30°	0.0	70.0	162.1	265.2	375.3	494.0	623.1	765.7	925.8	1091.3	1269.4
-32.5°	0.0	68.3	157.2	255.9	361.9	474.7	595.2	730.4	879.3	1031.8	1187.9
-35°	0.0	66.5	151.9	246.2	347.7	454.4	569.1	695.5	831.5	972.3	1107.3
-37.5°	0.0	64.5	146.4	235.9	332.9	434.0	543.3	659.9	782.4	913.1	1040.6
-40°	0.0	62.4	140.6	225.2	317.4	414.4	516.6	623.7	732.3	855.4	977.5
-42.5°	0.0	60.1	134.5	214.2	302.0	394.2	489.0	587.0	687.1	799.6	913.3
-45°	0.0	57.8	128.2	202.7	286.7	373.3	460.5	551.4	644.7	743.8	848.6
-47.5°	0.0	55.3	121.7	190.8	270.9	351.8	431.3	517.4	602.2	688.0	786.8
-50°	0.0	52.7	115.0	180.2	254.5	329.8	404.6	482.7	560.4	641.0	725.3
-52.5°	0.0	50.0	108.0	169.8	237.7	307.3	377.9	447.3	519.8	593.2	665.0
-55°	0.0	47.1	100.8	159.0	220.3	285.6	350.8	411.9	479.3	544.7	611.5
-57.5°	0.0	44.2	93.5	147.9	202.5	263.5	323.2	380.5	438.3	498.2	557.4
-60°	0.0	41.2	86.0	136.6	184.5	241.0	295.5	348.6	397.8	452.0	504.0
-62.5°	0.0	38.1	79.6	125.0	169.2	218.1	268.3	316.3	361.3	405.2	453.0
-65°	0.0	34.9	73.0	113.2	153.6	194.7	240.6	283.8	324.4	363.1	401.5
-67.5°	0.0	31.6	66.2	101.2	137.8	173.1	212.6	251.7	287.1	321.8	354.5
-70°	0.0	28.3	59.2	89.0	121.7	153.2	184.3	219.4	251.4	280.3	309.2
-72.5°	0.0	24.9	52.1	77.9	105.3	133.1	159.9	186.9	215.5	241.4	264.5
-75°	0.0	21.4	44.9	67.0	88.8	112.8	135.9	158.1	179.6	202.6	223.2
-77.5°	0.0	17.9	37.6	56.0	73.9	92.3	111.7	130.5	148.4	165.1	181.8
-80°	0.0	14.4	30.2	44.9	59.3	73.3	87.3	102.8	117.5	131.2	144.1
-82.5°	0.0	10.8	22.7	33.8	44.6	55.1	65.3	75.9	86.4	97.3	107.4
-85°	0.0	7.2	15.2	22.5	29.7	36.8	43.6	50.6	57.6	64.5	71.2
-87.5°	0.0	3.6	7.6	11.3	14.9	18.4	21.8	25.3	28.8	32.3	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





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 CATALOG NUMBER: GFLD-SA5E-940-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°	33.8	35.2	36.3	37.1	38.5	39.8	40.8	41.7	42.5	43.1	43.5
85°	67.5	70.3	78.7	86.6	94.9	102.4	109.0	114.9	119.7	123.6	126.6
82.5°	131.9	146.0	159.4	171.9	183.4	193.7	203.5	214.8	224.0	231.6	237.8
80°	202.3	221.6	245.0	266.9	286.7	304.8	321.2	336.1	347.7	359.3	370.5
77.5°	284.4	315.5	344.5	371.3	397.2	427.4	455.3	480.9	500.6	515.5	527.0
75°	372.6	409.6	451.9	493.8	533.2	569.4	604.6	647.4	682.3	708.5	729.5
72.5°	466.8	520.0	571.7	621.9	679.7	735.8	790.3	843.0	889.3	923.2	950.7
70°	568.6	630.4	701.8	774.0	843.5	914.0	989.2	1057.6	1114.3	1154.3	1192.4
67.5°	672.6	759.2	843.7	930.8	1029.2	1118.9	1201.0	1287.6	1363.8	1414.1	1458.0
65°	792.4	889.3	1002.3	1117.6	1225.7	1337.7	1441.4	1535.3	1631.6	1701.6	1759.1
62.5°	908.2	1044.6	1177.8	1312.6	1448.5	1570.3	1705.8	1826.6	1923.5	2023.6	2109.4
60°	1045.7	1207.7	1370.9	1533.6	1685.7	1856.8	2005.3	2145.7	2275.2	2386.8	2492.4
57.5°	1182.8	1391.9	1585.1	1776.0	1977.2	2160.2	2334.8	2492.1	2646.8	2776.1	2902.8
55°	1327.1	1596.3	1819.3	2055.1	2276.3	2483.1	2679.3	2876.2	3041.2	3219.2	3374.1
52.5°	1487.2	1794.8	2082.8	2342.5	2591.9	2830.4	3065.0	3302.1	3533.7	3718.3	3893.4
50°	1636.8	2003.4	2350.0	2646.3	2933.0	3216.0	3509.3	3805.7	4061.0	4272.1	4454.3
47.5°	1801.6	2197.3	2637.7	2965.4	3309.3	3660.2	4016.3	4343.6	4621.7	4908.9	5110.2
45°	1962.1	2393.5	2871.3	3326.0	3724.0	4149.0	4541.1	4902.2	5305.3	5618.9	5887.8
42.5°	2108.6	2579.4	3111.2	3689.9	4187.6	4643.6	5068.0	5576.1	6039.1	6405.8	6741.3
40°	2259.4	2748.5	3329.3	4027.9	4649.9	5136.6	5653.2	6214.8	6817.4	7268.5	7669.7
37.5°	2397.3	2921.6	3528.9	4286.0	5105.0	5640.2	6211.4	6820.6	7507.7	8186.3	8668.4
35°	2519.2	3068.0	3726.9	4495.8	5334.3	6128.2	6732.4	7381.1	8133.0	9013.5	9671.9
32.5°	2629.9	3187.6	3884.0	4659.5	5510.2	6441.0	7207.5	7873.6	8627.9	9536.5	10654.6
30°	2720.0	3303.5	4001.0	4777.8	5630.9	6557.9	7531.4	8257.1	8973.0	9864.6	10905.3
27.5°	2788.4	3388.4	4081.6	4851.6	5695.5	6612.3	7548.6	8443.9	9136.9	9975.9	10922.3
25°	2840.9	3458.0	4124.3	4879.0	5705.0	6588.4	7489.4	8336.7	9114.6	9854.3	10703.6
22.5°	2884.4	3506.0	4171.1	4860.5	5662.0	6503.5	7351.0	8158.8	8911.8	9604.2	10334.8
20°	2917.1	3536.7	4194.7	4878.6	5589.8	6365.7	7176.2	7945.0	8672.4	9342.9	9937.4
17.5°	2931.8	3545.8	4194.6	4875.2	5577.6	6256.4	6962.1	7701.0	8416.1	9082.2	9669.6
15°	2929.1	3534.0	4171.6	4849.2	5541.0	6213.5	6863.6	7473.2	8139.1	8812.5	9397.8
12.5°	2909.7	3502.0	4126.2	4800.7	5481.7	6146.0	6784.4	7396.5	7993.6	8557.6	9117.2
10°	2874.4	3450.9	4059.4	4729.8	5399.5	6054.1	6684.3	7298.4	7889.2	8442.9	8964.0
7.5°	2838.2	3393.6	3979.2	4637.0	5294.7	5937.7	6562.2	7177.5	7756.8	8309.4	8835.6
5°	2790.3	3333.1	3918.0	4548.2	5182.2	5809.5	6420.6	7032.8	7596.7	8154.4	8682.6
2.5°	2729.6	3257.7	3840.9	4440.5	5056.2	5676.9	6267.4	6868.2	7446.5	7982.4	8502.8
0°	2656.9	3168.6	3747.7	4312.8	4908.9	5521.8	6089.7	6677.3	7279.0	7785.1	8293.9
-2.5°	2577.7	3061.8	3611.9	4174.2	4750.3	5351.4	5933.6	6490.7	7079.1	7590.6	8110.3
-5°	2489.0	2943.8	3461.9	4017.8	4573.0	5158.9	5752.1	6281.8	6843.9	7349.7	7860.9
-7.5°	2392.0	2816.5	3299.6	3842.1	4371.1	4923.7	5485.5	5995.1	6541.5	7041.9	7539.7
-10°	2289.6	2690.9	3141.9	3643.7	4142.3	4657.4	5185.1	5684.1	6209.5	6707.8	7186.9
-12.5°	2191.6	2567.1	2979.3	3435.6	3900.9	4376.9	4867.6	5349.3	5847.8	6348.4	6796.3
-15°	2088.8	2437.0	2811.4	3220.3	3648.8	4084.4	4535.1	4991.0	5458.8	5948.6	6362.4
-17.5°	1982.5	2301.8	2640.0	3000.3	3388.0	3782.3	4196.7	4636.7	5064.8	5511.0	5911.2
-20°	1873.7	2162.6	2467.1	2777.7	3122.1	3500.2	3887.8	4282.7	4671.7	5060.3	5436.1



REPORT NUMBER: P559130 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-940-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°	1763.4	2020.4	2297.5	2570.7	2898.4	3239.8	3579.9	3922.7	4271.7	4606.2	4961.8
-25°	1656.9	1888.4	2133.2	2398.8	2680.0	2981.0	3273.2	3562.9	3872.4	4186.0	4492.1
-27.5°	1554.2	1758.5	1989.6	2226.5	2460.7	2728.6	2984.3	3229.9	3500.0	3776.6	4023.8
-30°	1451.2	1645.2	1847.6	2057.9	2263.9	2487.5	2708.6	2924.1	3144.1	3381.0	3595.2
-32.5°	1355.7	1532.9	1717.1	1901.3	2076.2	2249.7	2454.0	2645.4	2825.5	2994.2	3181.1
-35°	1268.5	1430.9	1591.0	1749.9	1894.0	2046.5	2217.4	2378.6	2523.0	2658.6	2801.4
-37.5°	1186.2	1330.8	1465.6	1607.6	1735.7	1866.3	1992.0	2131.6	2248.7	2357.1	2474.2
-40°	1103.6	1232.9	1354.4	1472.9	1590.4	1699.5	1806.8	1901.7	1996.0	2100.1	2180.7
-42.5°	1022.4	1142.4	1251.1	1342.1	1452.8	1546.9	1630.2	1708.9	1786.0	1867.2	1931.7
-45°	950.7	1052.9	1152.0	1239.2	1322.2	1402.4	1473.1	1534.9	1607.8	1664.2	1713.0
-47.5°	878.3	966.9	1057.5	1138.0	1207.4	1272.5	1325.1	1387.1	1447.0	1495.3	1523.8
-50°	807.1	888.1	964.8	1039.8	1102.7	1155.1	1200.4	1251.4	1301.2	1342.2	1369.4
-52.5°	741.4	809.1	880.2	944.1	1002.1	1048.9	1092.2	1136.6	1173.0	1201.2	1236.8
-55°	676.6	738.9	798.3	855.6	905.2	948.2	990.5	1029.9	1061.1	1085.5	1114.8
-57.5°	615.7	672.0	723.8	771.9	816.4	853.3	894.5	928.2	957.2	980.0	1010.4
-60°	556.4	606.7	653.8	695.7	732.2	768.6	802.3	833.2	858.5	881.1	908.9
-62.5°	497.5	542.9	585.3	623.8	657.0	687.1	717.5	743.8	765.0	788.4	811.4
-65°	442.2	480.5	517.7	552.7	584.1	612.7	637.7	659.0	678.9	699.7	718.3
-67.5°	387.1	422.9	454.0	481.9	510.8	538.6	561.8	581.4	598.1	615.0	630.6
-70°	337.8	366.2	394.6	419.8	441.8	465.0	487.5	506.0	520.8	534.1	546.8
-72.5°	289.2	314.5	337.9	359.6	379.7	398.2	416.0	432.7	446.6	457.0	466.0
-75°	243.2	262.8	283.1	302.1	318.3	332.8	346.3	359.8	371.0	379.9	387.2
-77.5°	199.1	215.6	231.1	245.7	257.4	268.9	279.4	289.2	297.8	304.6	309.5
-80°	156.3	168.2	180.9	192.8	201.9	209.6	216.3	222.0	228.5	235.0	240.7
-82.5°	116.3	124.9	133.3	141.4	147.7	153.1	157.7	162.2	166.8	171.0	174.7
-85°	76.5	81.5	86.6	91.5	96.3	100.6	104.2	107.4	109.9	112.0	113.8
-87.5°	38.3	40.7	43.0	45.1	47.5	49.7	51.7	53.7	54.9	56.0	56.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P559130 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-940-U-WAF-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°	43.7	43.9	43.8	43.6	43.3	41.6	39.6	37.5	35.3	36.3	37.4
85°	128.9	129.4	129.0	127.7	125.6	125.5	125.1	124.2	123.0	124.9	126.5
82.5°	242.6	244.4	244.6	243.5	241.0	242.1	242.5	242.0	240.6	242.3	243.4
80°	379.1	382.7	382.9	380.3	375.1	375.9	376.3	375.2	372.7	373.3	373.1
77.5°	540.1	548.4	551.3	550.1	545.0	543.4	539.7	532.3	521.6	521.4	521.6
75°	745.4	753.9	758.3	758.0	753.1	749.7	745.1	736.6	724.6	724.1	724.2
72.5°	971.9	984.4	990.1	995.2	995.1	993.3	987.2	974.6	955.9	953.8	956.0
70°	1222.2	1243.2	1256.6	1266.9	1275.0	1276.7	1272.7	1262.5	1246.3	1242.0	1240.6
67.5°	1500.9	1534.6	1560.1	1577.1	1593.0	1604.5	1608.9	1604.3	1591.1	1586.7	1588.5
65°	1813.3	1865.3	1908.2	1940.3	1961.8	1977.0	1990.3	1998.2	2000.2	2004.8	2011.0
62.5°	2178.2	2242.1	2301.7	2342.3	2363.2	2378.0	2420.8	2445.5	2452.6	2454.1	2463.6
60°	2585.7	2666.3	2740.8	2800.5	2848.8	2885.4	2921.9	2946.0	2955.0	2956.8	2969.8
57.5°	3031.3	3132.5	3219.6	3312.2	3376.8	3414.2	3462.9	3513.1	3539.3	3546.9	3577.8
55°	3524.1	3662.3	3775.3	3874.4	3964.5	4043.8	4110.9	4162.7	4200.9	4224.0	4264.9
52.5°	4069.2	4231.6	4349.8	4466.0	4595.4	4686.5	4746.1	4841.9	4911.2	4949.3	4998.0
50°	4667.8	4848.7	5009.7	5131.6	5282.0	5406.5	5497.3	5587.9	5651.3	5687.7	5734.9
47.5°	5349.0	5571.8	5758.7	5871.7	6046.3	6193.0	6252.1	6320.5	6440.1	6497.5	6548.0
45°	6116.1	6400.4	6608.0	6784.8	6934.9	7099.3	7207.1	7284.9	7402.6	7461.7	7499.0
42.5°	7028.8	7345.0	7618.5	7830.8	7957.0	8170.4	8326.0	8369.8	8536.5	8649.7	8683.0
40°	8052.4	8402.9	8763.7	9005.7	9208.9	9425.5	9682.3	9825.2	9966.3	10077.2	10102.3
37.5°	9119.1	9588.3	10000.1	10312.5	10648.3	10968.0	11240.1	11388.5	11481.0	11693.2	11772.4
35°	10203.4	10687.7	11264.6	11750.0	12157.0	12551.6	12862.1	13106.6	13339.4	13530.4	13644.8
32.5°	11126.9	11648.0	12360.2	13087.0	13526.5	13953.9	14463.8	14743.5	15054.2	15305.8	15489.6
30°	11885.8	12381.2	13029.5	13941.7	14543.3	14976.5	15622.0	16008.7	16347.0	16773.5	16921.9
27.5°	11921.7	12696.1	13269.4	14054.9	14957.8	15397.5	15875.2	16578.2	16791.4	17399.6	17487.3
25°	11608.8	12421.8	13011.0	13666.7	14417.4	14952.3	15388.6	15973.1	16279.1	16670.3	16970.7
22.5°	11119.3	11835.8	12436.9	12992.9	13578.8	14065.8	14464.6	14875.4	15211.3	15514.8	15796.7
20°	10578.8	11258.9	11828.9	12307.1	12771.4	13222.9	13581.6	13926.7	14217.1	14477.7	14638.1
17.5°	10198.1	10687.4	11269.9	11759.7	12162.2	12516.6	12887.6	13176.4	13431.2	13665.7	13812.3
15°	9938.2	10403.5	10818.2	11267.7	11691.9	12029.7	12309.0	12607.1	12827.3	13029.1	13188.0
12.5°	9668.4	10147.9	10581.8	10956.2	11288.3	11657.2	11955.8	12190.2	12421.3	12579.7	12743.0
10°	9443.1	9891.8	10341.8	10737.1	11086.5	11390.6	11673.2	11936.2	12143.5	12321.3	12449.8
7.5°	9312.4	9752.3	10156.8	10536.1	10876.6	11200.6	11492.2	11733.2	11938.7	12122.7	12257.3
5°	9160.7	9596.1	10000.0	10387.6	10714.7	11026.0	11316.3	11564.4	11777.1	11941.0	12069.9
2.5°	8986.8	9416.4	9819.2	10213.2	10540.2	10840.5	11115.3	11357.2	11578.7	11734.8	11844.6
0°	8788.8	9218.9	9612.5	9983.6	10312.6	10635.9	10889.0	11133.6	11350.0	11504.7	11614.3
-2.5°	8589.0	9016.4	9423.9	9779.4	10106.0	10404.5	10673.9	10904.9	11111.6	11265.6	11361.9
-5°	8323.4	8748.2	9150.3	9508.7	9849.7	10149.5	10411.3	10646.2	10845.4	11013.2	11143.8
-7.5°	8001.8	8431.5	8833.2	9199.0	9538.4	9821.6	10073.1	10309.8	10522.4	10705.8	10866.4
-10°	7648.2	8073.2	8452.7	8795.3	9111.7	9399.6	9667.0	9900.9	10095.7	10275.3	10410.6
-12.5°	7236.4	7629.9	8001.1	8338.9	8648.1	8936.4	9190.7	9413.5	9609.6	9768.9	9890.8
-15°	6782.0	7155.5	7507.1	7852.4	8176.1	8460.0	8683.8	8918.5	9088.6	9243.0	9352.8
-17.5°	6295.9	6657.0	7026.8	7372.9	7671.7	7951.8	8198.1	8412.6	8591.0	8732.7	8856.6
-20°	5803.2	6171.0	6526.9	6856.7	7144.2	7403.8	7653.2	7859.2	8042.1	8196.2	8341.4



REPORT NUMBER: P559130 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-940-U-WAF-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	5308.3	5645.6	5979.7	6302.4	6574.3	6819.8	7038.1	7235.2	7396.6	7578.2	7706.5
-25°	4800.0	5095.6	5397.3	5682.3	5939.3	6180.6	6378.5	6551.4	6719.6	6895.0	7020.0
-27.5°	4289.2	4550.6	4795.6	5047.8	5273.0	5482.0	5665.7	5817.0	5980.3	6097.3	6234.8
-30°	3784.0	4021.1	4225.5	4401.0	4612.7	4792.1	4935.0	5085.3	5220.2	5332.1	5448.0
-32.5°	3356.3	3518.4	3681.7	3828.4	3969.2	4116.7	4231.8	4363.0	4455.5	4551.9	4645.5
-35°	2945.2	3070.1	3178.5	3315.7	3421.3	3501.6	3597.6	3693.8	3730.8	3835.6	3891.5
-37.5°	2573.0	2654.9	2756.0	2851.7	2930.0	2990.0	3075.5	3125.9	3152.4	3220.3	3256.6
-40°	2254.3	2306.1	2400.5	2465.8	2512.9	2556.5	2627.5	2660.3	2696.5	2730.2	2731.2
-42.5°	1974.0	2040.6	2104.7	2156.0	2185.7	2235.3	2268.8	2272.5	2319.4	2349.4	2354.0
-45°	1744.8	1812.4	1863.2	1900.9	1930.6	1973.3	1994.9	2006.9	2045.2	2065.5	2074.4
-47.5°	1568.7	1616.0	1659.9	1688.9	1728.0	1759.6	1775.4	1795.6	1824.9	1843.6	1857.0
-50°	1413.8	1451.3	1484.7	1511.4	1550.2	1578.3	1593.5	1618.2	1640.2	1653.7	1664.2
-52.5°	1277.7	1311.1	1334.3	1360.2	1392.4	1417.3	1436.6	1461.1	1479.3	1491.2	1500.6
-55°	1150.2	1181.7	1204.3	1232.5	1255.5	1272.2	1288.7	1312.6	1330.5	1342.6	1350.6
-57.5°	1037.8	1061.4	1083.5	1109.2	1131.1	1149.2	1163.9	1177.1	1188.9	1198.8	1206.6
-60°	932.4	951.6	972.0	992.0	1008.5	1021.6	1037.3	1049.4	1057.0	1061.7	1068.1
-62.5°	831.1	848.5	866.4	882.6	895.7	906.7	919.4	929.3	936.4	941.4	945.1
-65°	734.8	749.7	765.0	778.4	789.8	799.3	808.3	815.3	820.2	824.4	827.7
-67.5°	644.8	656.6	667.2	676.5	685.1	693.2	701.0	706.4	709.3	712.6	716.1
-70°	557.9	567.2	574.3	579.9	584.9	591.4	598.9	604.2	607.2	610.6	613.7
-72.5°	473.8	480.6	486.5	491.1	493.9	498.0	503.3	507.5	510.8	513.3	514.5
-75°	392.9	398.5	403.6	407.2	409.3	412.3	414.9	416.3	416.6	417.7	418.4
-77.5°	313.8	319.3	324.1	327.5	329.6	332.0	333.9	335.0	335.2	335.3	334.6
-80°	245.0	248.8	251.9	254.3	255.9	257.5	258.5	258.7	258.2	258.7	258.9
-82.5°	178.0	181.4	184.1	186.2	187.7	189.3	190.7	191.6	192.2	192.4	192.2
-85°	115.2	116.8	118.2	119.6	120.8	121.6	122.0	122.0	121.7	121.9	121.7
-87.5°	57.6	56.9	56.0	54.9	53.5	53.9	54.1	54.3	54.3	54.9	55.3
-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: P559130 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-940-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°	38.3	39.2	36.5	33.7	36.5	39.2	38.3	37.4	36.3	35.3	37.5
85°	127.7	128.6	126.3	123.7	126.3	128.6	127.7	126.5	124.9	123.0	124.2
82.5°	243.7	243.3	241.5	239.0	241.5	243.3	243.7	243.4	242.3	240.6	242.0
80°	371.8	369.3	367.9	365.5	367.9	369.3	371.8	373.1	373.3	372.7	375.2
77.5°	520.3	517.5	522.1	525.8	522.1	517.5	520.3	521.6	521.4	521.6	532.3
75°	721.4	715.8	710.5	702.9	710.5	715.8	721.4	724.2	724.1	724.6	736.6
72.5°	954.9	950.6	946.2	939.0	946.2	950.6	954.9	956.0	953.8	955.9	974.6
70°	1233.2	1220.2	1222.3	1223.0	1222.3	1220.2	1233.2	1240.6	1242.0	1246.3	1262.5
67.5°	1583.4	1571.5	1573.0	1571.6	1573.0	1571.5	1583.4	1588.5	1586.7	1591.1	1604.3
65°	2007.3	1993.9	1977.8	1954.0	1977.8	1993.9	2007.3	2011.0	2004.8	2000.2	1998.2
62.5°	2462.4	2450.6	2457.4	2462.9	2457.4	2450.6	2462.4	2463.6	2454.1	2452.6	2445.5
60°	2967.7	2951.2	2942.9	2929.6	2942.9	2951.2	2967.7	2969.8	2956.8	2955.0	2946.0
57.5°	3591.9	3588.9	3581.6	3562.2	3581.6	3588.9	3591.9	3577.8	3546.9	3539.3	3513.1
55°	4284.1	4280.2	4296.2	4315.7	4296.2	4280.2	4284.1	4264.9	4224.0	4200.9	4162.7
52.5°	5034.0	5046.7	5042.2	5015.7	5042.2	5046.7	5034.0	4998.0	4949.3	4911.2	4841.9
50°	5776.4	5790.6	5805.8	5819.8	5805.8	5790.6	5776.4	5734.9	5687.7	5651.3	5587.9
47.5°	6617.8	6655.2	6661.8	6635.1	6661.8	6655.2	6617.8	6548.0	6497.5	6440.1	6320.5
45°	7573.7	7596.3	7607.8	7630.4	7607.8	7596.3	7573.7	7499.0	7461.7	7402.6	7284.9
42.5°	8778.9	8805.0	8809.1	8833.7	8809.1	8805.0	8778.9	8683.0	8649.7	8536.5	8369.8
40°	10209.4	10251.7	10244.4	10233.9	10244.4	10251.7	10209.4	10102.3	10077.2	9966.3	9825.2
37.5°	11883.9	11955.9	11963.5	12007.9	11963.5	11955.9	11883.9	11772.4	11693.2	11481.0	11388.5
35°	13763.3	13848.0	13833.4	13855.1	13833.4	13848.0	13763.3	13644.8	13530.4	13339.4	13106.6
32.5°	15658.9	15786.1	15811.7	15918.7	15811.7	15786.1	15658.9	15489.6	15305.8	15054.2	14743.5
30°	17148.3	17326.5	17442.9	17434.1	17442.9	17326.5	17148.3	16921.9	16773.5	16347.0	16008.7
27.5°	17765.3	17996.2	18212.4	18277.6	18212.4	17996.2	17765.3	17487.3	17399.6	16791.4	16578.2
25°	17163.3	17332.0	17523.0	17625.3	17523.0	17332.0	17163.3	16970.7	16670.3	16279.1	15973.1
22.5°	15926.4	16036.1	16101.2	16048.1	16101.2	16036.1	15926.4	15796.7	15514.8	15211.3	14875.4
20°	14804.0	14942.8	14968.7	15024.7	14968.7	14942.8	14804.0	14638.1	14477.7	14217.1	13926.7
17.5°	13968.6	14059.6	14112.9	14125.0	14112.9	14059.6	13968.6	13812.3	13665.7	13431.2	13176.4
15°	13313.9	13386.8	13434.7	13455.9	13434.7	13386.8	13313.9	13188.0	13029.1	12827.3	12607.1
12.5°	12850.0	12938.8	12982.4	13008.8	12982.4	12938.8	12850.0	12743.0	12579.7	12421.3	12190.2
10°	12552.4	12638.2	12672.8	12685.5	12672.8	12638.2	12552.4	12449.8	12321.3	12143.5	11936.2
7.5°	12338.8	12393.9	12417.2	12435.3	12417.2	12393.9	12338.8	12257.3	12122.7	11938.7	11733.2
5°	12166.4	12210.2	12234.9	12261.0	12234.9	12210.2	12166.4	12069.9	11941.0	11777.1	11564.4
2.5°	11931.8	11994.5	12037.9	12064.2	12037.9	11994.5	11931.8	11844.6	11734.8	11578.7	11357.2
0°	11701.5	11760.5	11791.4	11842.1	11791.4	11760.5	11701.5	11614.3	11504.7	11350.0	11133.6
-2.5°	11448.1	11516.5	11597.8	11676.2	11597.8	11516.5	11448.1	11361.9	11265.6	11111.6	10904.9
-5°	11254.4	11344.7	11361.7	11411.9	11361.7	11344.7	11254.4	11143.8	11013.2	10845.4	10646.2
-7.5°	10962.1	11003.3	11073.3	11085.8	11073.3	11003.3	10962.1	10866.4	10705.8	10522.4	10309.8
-10°	10511.6	10578.6	10622.3	10666.8	10622.3	10578.6	10511.6	10410.6	10275.3	10095.7	9900.9
-12.5°	9982.4	10061.1	10131.3	10121.4	10131.3	10061.1	9982.4	9890.8	9768.9	9609.6	9413.5
-15°	9466.7	9542.7	9590.9	9584.4	9590.9	9542.7	9466.7	9352.8	9243.0	9088.6	8918.5
-17.5°	8954.8	9024.2	9094.1	9092.4	9094.1	9024.2	8954.8	8856.6	8732.7	8591.0	8412.6
-20°	8426.3	8485.7	8560.5	8592.0	8560.5	8485.7	8426.3	8341.4	8196.2	8042.1	7859.2



REPORT NUMBER: P559130 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-940-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°	7815.2	7891.2	7945.6	7979.0	7945.6	7891.2	7815.2	7706.5	7578.2	7396.6	7235.2
-25°	7102.9	7180.9	7222.2	7236.8	7222.2	7180.9	7102.9	7020.0	6895.0	6719.6	6551.4
-27.5°	6315.9	6403.4	6445.8	6424.3	6445.8	6403.4	6315.9	6234.8	6097.3	5980.3	5817.0
-30°	5508.8	5564.9	5571.4	5620.2	5571.4	5564.9	5508.8	5448.0	5332.1	5220.2	5085.3
-32.5°	4712.5	4750.2	4728.8	4731.8	4728.8	4750.2	4712.5	4645.5	4551.9	4455.5	4363.0
-35°	3926.3	3956.3	3962.3	4017.6	3962.3	3956.3	3926.3	3891.5	3835.6	3730.8	3693.8
-37.5°	3294.2	3306.3	3287.8	3261.3	3287.8	3306.3	3294.2	3256.6	3220.3	3152.4	3125.9
-40°	2758.0	2767.4	2760.6	2746.8	2760.6	2767.4	2758.0	2731.2	2730.2	2696.5	2660.3
-42.5°	2372.4	2372.5	2366.2	2364.5	2366.2	2372.5	2372.4	2354.0	2349.4	2319.4	2272.5
-45°	2087.5	2090.5	2090.0	2088.9	2090.0	2090.5	2087.5	2074.4	2065.5	2045.2	2006.9
-47.5°	1866.5	1867.1	1864.2	1858.4	1864.2	1867.1	1866.5	1857.0	1843.6	1824.9	1795.6
-50°	1670.8	1670.8	1674.6	1681.3	1674.6	1670.8	1670.8	1664.2	1653.7	1640.2	1618.2
-52.5°	1505.4	1505.1	1507.2	1509.8	1507.2	1505.1	1505.4	1500.6	1491.2	1479.3	1461.1
-55°	1354.2	1353.4	1351.3	1346.7	1351.3	1353.4	1354.2	1350.6	1342.6	1330.5	1312.6
-57.5°	1209.5	1207.9	1204.2	1197.7	1204.2	1207.9	1209.5	1206.6	1198.8	1188.9	1177.1
-60°	1071.6	1072.3	1070.5	1065.6	1070.5	1072.3	1071.6	1068.1	1061.7	1057.0	1049.4
-62.5°	946.0	944.1	943.7	941.9	943.7	944.1	946.0	945.1	941.4	936.4	929.3
-65°	828.3	826.4	827.0	826.6	827.0	826.4	828.3	827.7	824.4	820.2	815.3
-67.5°	717.5	716.8	717.5	716.9	717.5	716.8	717.5	716.1	712.6	709.3	706.4
-70°	615.4	615.7	612.5	607.3	612.5	615.7	615.4	613.7	610.6	607.2	604.2
-72.5°	514.1	512.3	512.5	511.7	512.5	512.3	514.1	514.5	513.3	510.8	507.5
-75°	418.3	417.1	419.7	421.7	419.7	417.1	418.3	418.4	417.7	416.6	416.3
-77.5°	333.0	330.6	332.8	334.6	332.8	330.6	333.0	334.6	335.3	335.2	335.0
-80°	258.6	257.7	257.0	255.8	257.0	257.7	258.6	258.9	258.7	258.2	258.7
-82.5°	191.5	190.4	189.6	188.4	189.6	190.4	191.5	192.2	192.4	192.2	191.6
-85°	121.2	120.4	122.2	123.7	122.2	120.4	121.2	121.7	121.9	121.7	122.0
-87.5°	55.7	56.0	54.7	53.4	54.7	56.0	55.7	55.3	54.9	54.3	54.3
-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: P559130 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	39.6	41.6	43.3	43.6	43.8	43.9	43.7	43.5	43.1	42.5	41.7
85°	125.1	125.5	125.6	127.7	129.0	129.4	128.9	126.6	123.6	119.7	114.9
82.5°	242.5	242.1	241.0	243.5	244.6	244.4	242.6	237.8	231.6	224.0	214.8
80°	376.3	375.9	375.1	380.3	382.9	382.7	379.1	370.5	359.3	347.7	336.1
77.5°	539.7	543.4	545.0	550.1	551.3	548.4	540.1	527.0	515.5	500.6	480.9
75°	745.1	749.7	753.1	758.0	758.3	753.9	745.4	729.5	708.5	682.3	647.4
72.5°	987.2	993.3	995.1	995.2	990.1	984.4	971.9	950.7	923.2	889.3	843.0
70°	1272.7	1276.7	1275.0	1266.9	1256.6	1243.2	1222.2	1192.4	1154.3	1114.3	1057.6
67.5°	1608.9	1604.5	1593.0	1577.1	1560.1	1534.6	1500.9	1458.0	1414.1	1363.8	1287.6
65°	1990.3	1977.0	1961.8	1940.3	1908.2	1865.3	1813.3	1759.1	1701.6	1631.6	1535.3
62.5°	2420.8	2378.0	2363.2	2342.3	2301.7	2242.1	2178.2	2109.4	2023.6	1923.5	1826.6
60°	2921.9	2885.4	2848.8	2800.5	2740.8	2666.3	2585.7	2492.4	2386.8	2275.2	2145.7
57.5°	3462.9	3414.2	3376.8	3312.2	3219.6	3132.5	3031.3	2902.8	2776.1	2646.8	2492.1
55°	4110.9	4043.8	3964.5	3874.4	3775.3	3662.3	3524.1	3374.1	3219.2	3041.2	2876.2
52.5°	4746.1	4686.5	4595.4	4466.0	4349.8	4231.6	4069.2	3893.4	3718.3	3533.7	3302.1
50°	5497.3	5406.5	5282.0	5131.6	5009.7	4848.7	4667.8	4454.3	4272.1	4061.0	3805.7
47.5°	6252.1	6193.0	6046.3	5871.7	5758.7	5571.8	5349.0	5110.2	4908.9	4621.7	4343.6
45°	7207.1	7099.3	6934.9	6784.8	6608.0	6400.4	6116.1	5887.8	5618.9	5305.3	4902.2
42.5°	8326.0	8170.4	7957.0	7830.8	7618.5	7345.0	7028.8	6741.3	6405.8	6039.1	5576.1
40°	9682.3	9425.5	9208.9	9005.7	8763.7	8402.9	8052.4	7669.7	7268.5	6817.4	6214.8
37.5°	11240.1	10968.0	10648.3	10312.5	10000.1	9588.3	9119.1	8668.4	8186.3	7507.7	6820.6
35°	12862.1	12551.6	12157.0	11750.0	11264.6	10687.7	10203.4	9671.9	9013.5	8133.0	7381.1
32.5°	14463.8	13953.9	13526.5	13087.0	12360.2	11648.0	11126.9	10654.6	9536.5	8627.9	7873.6
30°	15622.0	14976.5	14543.3	13941.7	13029.5	12381.2	11885.8	10905.3	9864.6	8973.0	8257.1
27.5°	15875.2	15397.5	14957.8	14054.9	13269.4	12696.1	11921.7	10922.3	9975.9	9136.9	8443.9
25°	15388.6	14952.3	14417.4	13666.7	13011.0	12421.8	11608.8	10703.6	9854.3	9114.6	8336.7
22.5°	14464.6	14065.8	13578.8	12992.9	12436.9	11835.8	11119.3	10334.8	9604.2	8911.8	8158.8
20°	13581.6	13222.9	12771.4	12307.1	11828.9	11258.9	10578.8	9937.4	9342.9	8672.4	7945.0
17.5°	12887.6	12516.6	12162.2	11759.7	11269.9	10687.4	10198.1	9669.6	9082.2	8416.1	7701.0
15°	12309.0	12029.7	11691.9	11267.7	10818.2	10403.5	9938.2	9397.8	8812.5	8139.1	7473.2
12.5°	11955.8	11657.2	11288.3	10956.2	10581.8	10147.9	9668.4	9117.2	8557.6	7993.6	7396.5
10°	11673.2	11390.6	11086.5	10737.1	10341.8	9891.8	9443.1	8964.0	8442.9	7889.2	7298.4
7.5°	11492.2	11200.6	10876.6	10536.1	10156.8	9752.3	9312.4	8835.6	8309.4	7756.8	7177.5
5°	11316.3	11026.0	10714.7	10387.6	10000.0	9596.1	9160.7	8682.6	8154.4	7596.7	7032.8
2.5°	11115.3	10840.5	10540.2	10213.2	9819.2	9416.4	8986.8	8502.8	7982.4	7446.5	6868.2
0°	10889.0	10635.9	10312.6	9983.6	9612.5	9218.9	8788.8	8293.9	7785.1	7279.0	6677.3
-2.5°	10673.9	10404.5	10106.0	9779.4	9423.9	9016.4	8589.0	8110.3	7590.6	7079.1	6490.7
-5°	10411.3	10149.5	9849.7	9508.7	9150.3	8748.2	8323.4	7860.9	7349.7	6843.9	6281.8
-7.5°	10073.1	9821.6	9538.4	9199.0	8833.2	8431.5	8001.8	7539.7	7041.9	6541.5	5995.1
-10°	9667.0	9399.6	9111.7	8795.3	8452.7	8073.2	7648.2	7186.9	6707.8	6209.5	5684.1
-12.5°	9190.7	8936.4	8648.1	8338.9	8001.1	7629.9	7236.4	6796.3	6348.4	5847.8	5349.3
-15°	8683.8	8460.0	8176.1	7852.4	7507.1	7155.5	6782.0	6362.4	5948.6	5458.8	4991.0
-17.5°	8198.1	7951.8	7671.7	7372.9	7026.8	6657.0	6295.9	5911.2	5511.0	5064.8	4636.7
-20°	7653.2	7403.8	7144.2	6856.7	6526.9	6171.0	5803.2	5436.1	5060.3	4671.7	4282.7



REPORT NUMBER: P559130 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-940-U-WAF-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	7038.1	6819.8	6574.3	6302.4	5979.7	5645.6	5308.3	4961.8	4606.2	4271.7	3922.7
-25°	6378.5	6180.6	5939.3	5682.3	5397.3	5095.6	4800.0	4492.1	4186.0	3872.4	3562.9
-27.5°	5665.7	5482.0	5273.0	5047.8	4795.6	4550.6	4289.2	4023.8	3776.6	3500.0	3229.9
-30°	4935.0	4792.1	4612.7	4401.0	4225.5	4021.1	3784.0	3595.2	3381.0	3144.1	2924.1
-32.5°	4231.8	4116.7	3969.2	3828.4	3681.7	3518.4	3356.3	3181.1	2994.2	2825.5	2645.4
-35°	3597.6	3501.6	3421.3	3315.7	3178.5	3070.1	2945.2	2801.4	2658.6	2523.0	2378.6
-37.5°	3075.5	2990.0	2930.0	2851.7	2756.0	2654.9	2573.0	2474.2	2357.1	2248.7	2131.6
-40°	2627.5	2556.5	2512.9	2465.8	2400.5	2306.1	2254.3	2180.7	2100.1	1996.0	1901.7
-42.5°	2268.8	2235.3	2185.7	2156.0	2104.7	2040.6	1974.0	1931.7	1867.2	1786.0	1708.9
-45°	1994.9	1973.3	1930.6	1900.9	1863.2	1812.4	1744.8	1713.0	1664.2	1607.8	1534.9
-47.5°	1775.4	1759.6	1728.0	1688.9	1659.9	1616.0	1568.7	1523.8	1495.3	1447.0	1387.1
-50°	1593.5	1578.3	1550.2	1511.4	1484.7	1451.3	1413.8	1369.4	1342.2	1301.2	1251.4
-52.5°	1436.6	1417.3	1392.4	1360.2	1334.3	1311.1	1277.7	1236.8	1201.2	1173.0	1136.6
-55°	1288.7	1272.2	1255.5	1232.5	1204.3	1181.7	1150.2	1114.8	1085.5	1061.1	1029.9
-57.5°	1163.9	1149.2	1131.1	1109.2	1083.5	1061.4	1037.8	1010.4	980.0	957.2	928.2
-60°	1037.3	1021.6	1008.5	992.0	972.0	951.6	932.4	908.9	881.1	858.5	833.2
-62.5°	919.4	906.7	895.7	882.6	866.4	848.5	831.1	811.4	788.4	765.0	743.8
-65°	808.3	799.3	789.8	778.4	765.0	749.7	734.8	718.3	699.7	678.9	659.0
-67.5°	701.0	693.2	685.1	676.5	667.2	656.6	644.8	630.6	615.0	598.1	581.4
-70°	598.9	591.4	584.9	579.9	574.3	567.2	557.9	546.8	534.1	520.8	506.0
-72.5°	503.3	498.0	493.9	491.1	486.5	480.6	473.8	466.0	457.0	446.6	432.7
-75°	414.9	412.3	409.3	407.2	403.6	398.5	392.9	387.2	379.9	371.0	359.8
-77.5°	333.9	332.0	329.6	327.5	324.1	319.3	313.8	309.5	304.6	297.8	289.2
-80°	258.5	257.5	255.9	254.3	251.9	248.8	245.0	240.7	235.0	228.5	222.0
-82.5°	190.7	189.3	187.7	186.2	184.1	181.4	178.0	174.7	171.0	166.8	162.2
-85°	122.0	121.6	120.8	119.6	118.2	116.8	115.2	113.8	112.0	109.9	107.4
-87.5°	54.1	53.9	53.5	54.9	56.0	56.9	57.6	56.9	56.0	54.9	53.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





REPORT NUMBER: P559130 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-940-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°	40.8	39.8	38.5	37.1	36.3	35.2	33.8	32.1	29.3	26.4	23.4
85°	109.0	102.4	94.9	86.6	78.7	70.3	67.5	64.1	58.6	52.8	46.9
82.5°	203.5	193.7	183.4	171.9	159.4	146.0	131.9	116.8	98.5	80.8	70.2
80°	321.2	304.8	286.7	266.9	245.0	221.6	202.3	181.3	155.2	130.1	106.0
77.5°	455.3	427.4	397.2	371.3	344.5	315.5	284.4	249.2	211.4	179.0	147.7
75°	604.6	569.4	533.2	493.8	451.9	409.6	372.6	329.5	278.4	228.5	189.0
72.5°	790.3	735.8	679.7	621.9	571.7	520.0	466.8	408.6	348.5	289.8	232.7
70°	989.2	914.0	843.5	774.0	701.8	630.4	568.6	496.6	417.6	350.0	284.5
67.5°	1201.0	1118.9	1029.2	930.8	843.7	759.2	672.6	585.4	497.0	409.3	335.3
65°	1441.4	1337.7	1225.7	1117.6	1002.3	889.3	792.4	677.3	574.7	477.9	384.9
62.5°	1705.8	1570.3	1448.5	1312.6	1177.8	1044.6	908.2	778.6	653.3	544.8	440.2
60°	2005.3	1856.8	1685.7	1533.6	1370.9	1207.7	1045.7	876.6	739.8	610.0	496.7
57.5°	2334.8	2160.2	1977.2	1776.0	1585.1	1391.9	1182.8	988.5	823.2	680.8	551.1
55°	2679.3	2483.1	2276.3	2055.1	1819.3	1596.3	1327.1	1103.1	907.5	750.8	601.7
52.5°	3065.0	2830.4	2591.9	2342.5	2082.8	1794.8	1487.2	1211.1	1002.1	817.7	655.4
50°	3509.3	3216.0	2933.0	2646.3	2350.0	2003.4	1636.8	1340.3	1090.8	885.2	706.5
47.5°	4016.3	3660.2	3309.3	2965.4	2637.7	2197.3	1801.6	1463.5	1173.5	957.3	754.0
45°	4541.1	4149.0	3724.0	3326.0	2871.3	2393.5	1962.1	1576.9	1273.4	1020.0	797.9
42.5°	5068.0	4643.6	4187.6	3689.9	3111.2	2579.4	2108.6	1704.5	1365.5	1077.6	843.9
40°	5653.2	5136.6	4649.9	4027.9	3329.3	2748.5	2259.4	1824.0	1448.3	1135.7	889.9
37.5°	6211.4	5640.2	5105.0	4286.0	3528.9	2921.6	2397.3	1931.1	1524.1	1198.5	931.8
35°	6732.4	6128.2	5334.3	4495.8	3726.9	3068.0	2519.2	2031.9	1604.6	1253.8	969.3
32.5°	7207.5	6441.0	5510.2	4659.5	3884.0	3187.6	2629.9	2121.8	1673.5	1301.5	1002.5
30°	7531.4	6557.9	5630.9	4777.8	4001.0	3303.5	2720.0	2196.3	1730.8	1341.8	1033.3
27.5°	7548.6	6612.3	5695.5	4851.6	4081.6	3388.4	2788.4	2255.6	1776.5	1379.2	1065.4
25°	7489.4	6588.4	5705.0	4879.0	4124.3	3458.0	2840.9	2300.0	1818.6	1415.7	1091.5
22.5°	7351.0	6503.5	5662.0	4860.5	4171.1	3506.0	2884.4	2338.0	1852.5	1443.1	1111.8
20°	7176.2	6365.7	5589.8	4878.6	4194.7	3536.7	2917.1	2362.6	1874.5	1461.7	1126.5
17.5°	6962.1	6256.4	5577.6	4875.2	4194.6	3545.8	2931.8	2373.9	1885.0	1471.9	1135.7
15°	6863.6	6213.5	5541.0	4849.2	4171.6	3534.0	2929.1	2372.4	1884.2	1474.0	1142.1
12.5°	6784.4	6146.0	5481.7	4800.7	4126.2	3502.0	2909.7	2358.3	1873.0	1474.0	1146.9
10°	6684.3	6054.1	5399.5	4729.8	4059.4	3450.9	2874.4	2336.9	1867.3	1471.5	1147.2
7.5°	6562.2	5937.7	5294.7	4637.0	3979.2	3393.6	2838.2	2313.0	1855.5	1462.8	1143.2
5°	6420.6	5809.5	5182.2	4548.2	3918.0	3333.1	2790.3	2277.5	1835.8	1448.2	1135.2
2.5°	6267.4	5676.9	5056.2	4440.5	3840.9	3257.7	2729.6	2231.5	1808.5	1428.1	1123.3
0°	6089.7	5521.8	4908.9	4312.8	3747.7	3168.6	2656.9	2176.1	1774.1	1402.9	1107.7
-2.5°	5933.6	5351.4	4750.3	4174.2	3611.9	3061.8	2577.7	2120.4	1735.9	1378.1	1091.4
-5°	5752.1	5158.9	4573.0	4017.8	3461.9	2943.8	2489.0	2057.4	1691.6	1348.9	1072.0
-7.5°	5485.5	4923.7	4371.1	3842.1	3299.6	2816.5	2392.0	1988.1	1641.8	1315.8	1049.5
-10°	5185.1	4657.4	4142.3	3643.7	3141.9	2690.9	2289.6	1913.3	1587.2	1278.9	1024.4
-12.5°	4867.6	4376.9	3900.9	3435.6	2979.3	2567.1	2191.6	1839.9	1528.9	1238.7	996.7
-15°	4535.1	4084.4	3648.8	3220.3	2811.4	2437.0	2088.8	1765.0	1471.6	1197.5	966.8
-17.5°	4196.7	3782.3	3388.0	3000.3	2640.0	2301.8	1982.5	1686.2	1411.0	1156.4	937.0
-20°	3887.8	3500.2	3122.1	2777.7	2467.1	2162.6	1873.7	1604.3	1347.8	1112.9	906.6



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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°	3579.9	3239.8	2898.4	2570.7	2297.5	2020.4	1763.4	1519.8	1282.5	1067.6	874.2
-25°	3273.2	2981.0	2680.0	2398.8	2133.2	1888.4	1656.9	1433.3	1215.4	1020.7	839.8
-27.5°	2984.3	2728.6	2460.7	2226.5	1989.6	1758.5	1554.2	1351.2	1150.5	972.4	803.6
-30°	2708.6	2487.5	2263.9	2057.9	1847.6	1645.2	1451.2	1269.4	1091.3	925.8	765.7
-32.5°	2454.0	2249.7	2076.2	1901.3	1717.1	1532.9	1355.7	1187.9	1031.8	879.3	730.4
-35°	2217.4	2046.5	1894.0	1749.9	1591.0	1430.9	1268.5	1107.3	972.3	831.5	695.5
-37.5°	1992.0	1866.3	1735.7	1607.6	1465.6	1330.8	1186.2	1040.6	913.1	782.4	659.9
-40°	1806.8	1699.5	1590.4	1472.9	1354.4	1232.9	1103.6	977.5	855.4	732.3	623.7
-42.5°	1630.2	1546.9	1452.8	1342.1	1251.1	1142.4	1022.4	913.3	799.6	687.1	587.0
-45°	1473.1	1402.4	1322.2	1239.2	1152.0	1052.9	950.7	848.6	743.8	644.7	551.4
-47.5°	1325.1	1272.5	1207.4	1138.0	1057.5	966.9	878.3	786.8	688.0	602.2	517.4
-50°	1200.4	1155.1	1102.7	1039.8	964.8	888.1	807.1	725.3	641.0	560.4	482.7
-52.5°	1092.2	1048.9	1002.1	944.1	880.2	809.1	741.4	665.0	593.2	519.8	447.3
-55°	990.5	948.2	905.2	855.6	798.3	738.9	676.6	611.5	544.7	479.3	411.9
-57.5°	894.5	853.3	816.4	771.9	723.8	672.0	615.7	557.4	498.2	438.3	380.5
-60°	802.3	768.6	732.2	695.7	653.8	606.7	556.4	504.0	452.0	397.8	348.6
-62.5°	717.5	687.1	657.0	623.8	585.3	542.9	497.5	453.0	405.2	361.3	316.3
-65°	637.7	612.7	584.1	552.7	517.7	480.5	442.2	401.5	363.1	324.4	283.8
-67.5°	561.8	538.6	510.8	481.9	454.0	422.9	387.1	354.5	321.8	287.1	251.7
-70°	487.5	465.0	441.8	419.8	394.6	366.2	337.8	309.2	280.3	251.4	219.4
-72.5°	416.0	398.2	379.7	359.6	337.9	314.5	289.2	264.5	241.4	215.5	186.9
-75°	346.3	332.8	318.3	302.1	283.1	262.8	243.2	223.2	202.6	179.6	158.1
-77.5°	279.4	268.9	257.4	245.7	231.1	215.6	199.1	181.8	165.1	148.4	130.5
-80°	216.3	209.6	201.9	192.8	180.9	168.2	156.3	144.1	131.2	117.5	102.8
-82.5°	157.7	153.1	147.7	141.4	133.3	124.9	116.3	107.4	97.3	86.4	75.9
-85°	104.2	100.6	96.3	91.5	86.6	81.5	76.5	71.2	64.5	57.6	50.6
-87.5°	51.7	49.7	47.5	45.1	43.0	40.7	38.3	35.6	32.3	28.8	25.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	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°	20.4	17.2	13.9	10.5	7.1	3.5	0.0
85°	40.7	34.3	27.8	21.1	14.2	7.0	0.0
82.5°	61.0	51.4	41.6	31.6	21.2	10.5	0.0
80°	82.9	68.5	55.4	42.0	28.3	13.9	0.0
77.5°	117.8	89.3	69.1	52.4	35.2	17.3	0.0
75°	152.2	117.1	84.1	62.6	42.1	20.7	0.0
72.5°	186.1	144.5	105.3	72.8	48.9	24.1	0.0
70°	220.6	171.4	126.2	83.8	55.6	27.4	0.0
67.5°	262.8	197.7	146.6	98.7	62.1	30.6	0.0
65°	303.8	226.9	166.6	113.2	68.6	33.8	0.0
62.5°	343.4	258.7	186.0	127.4	74.9	36.9	0.0
60°	381.6	289.5	204.9	141.2	81.0	39.9	0.0
57.5°	424.8	319.0	227.5	154.6	89.7	42.9	0.0
55°	466.7	347.3	249.5	167.5	98.2	45.8	0.0
52.5°	506.4	375.0	270.5	180.0	106.4	48.6	0.0
50°	543.8	405.4	290.5	191.9	114.3	51.3	0.0
47.5°	579.4	434.0	309.4	204.0	121.9	53.9	0.0
45°	616.6	460.7	327.2	217.2	129.2	56.3	0.0
42.5°	650.9	485.4	343.9	229.8	136.1	58.7	0.0
40°	682.1	508.1	360.8	241.7	142.7	61.0	0.0
37.5°	710.3	528.8	377.7	253.0	149.0	63.1	0.0
35°	735.4	549.3	393.2	263.6	154.9	65.1	0.0
32.5°	759.6	568.7	407.1	273.4	160.4	67.0	0.0
30°	785.5	585.6	419.6	282.5	165.5	68.8	0.0
27.5°	807.9	600.2	431.4	290.7	170.2	70.4	0.0
25°	826.8	612.5	441.8	298.2	174.5	71.9	0.0
22.5°	842.2	623.3	450.7	304.9	178.4	73.2	0.0
20°	854.2	633.9	458.2	310.8	181.9	74.4	0.0
17.5°	865.0	642.7	464.3	315.9	184.9	75.5	0.0
15°	873.7	649.6	468.9	320.2	187.5	76.4	0.0
12.5°	879.0	654.7	472.2	323.7	189.7	77.1	0.0
10°	881.2	657.8	474.1	326.3	191.4	77.7	0.0
7.5°	880.2	659.2	474.8	328.2	192.7	78.2	0.0
5°	876.3	658.7	474.2	329.2	193.6	78.5	0.0
2.5°	869.6	656.4	472.4	329.4	194.0	78.7	0.0
0°	860.3	652.3	469.5	328.9	194.0	78.7	0.0
-2.5°	850.4	646.1	467.2	327.4	193.5	78.8	0.0
-5°	838.3	638.3	463.9	325.2	192.6	78.8	0.0
-7.5°	823.8	628.9	459.5	322.2	191.3	78.6	0.0
-10°	807.3	618.1	454.0	318.5	189.6	78.2	0.0
-12.5°	788.8	605.9	447.5	314.0	187.5	77.7	0.0
-15°	768.4	592.5	440.1	308.9	184.9	77.1	0.0
-17.5°	746.2	577.9	431.6	303.2	182.0	76.3	0.0
-20°	723.2	562.4	422.2	296.8	178.7	75.3	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	700.1	545.9	411.8	289.7	175.1	74.2	0.0
-25°	675.6	529.4	400.5	282.1	171.1	73.0	0.0
-27.5°	649.9	512.2	388.3	273.9	166.8	71.5	0.0
-30°	623.1	494.0	375.3	265.2	162.1	70.0	0.0
-32.5°	595.2	474.7	361.9	255.9	157.2	68.3	0.0
-35°	569.1	454.4	347.7	246.2	151.9	66.5	0.0
-37.5°	543.3	434.0	332.9	235.9	146.4	64.5	0.0
-40°	516.6	414.4	317.4	225.2	140.6	62.4	0.0
-42.5°	489.0	394.2	302.0	214.2	134.5	60.1	0.0
-45°	460.5	373.3	286.7	202.7	128.2	57.8	0.0
-47.5°	431.3	351.8	270.9	190.8	121.7	55.3	0.0
-50°	404.6	329.8	254.5	180.2	115.0	52.7	0.0
-52.5°	377.9	307.3	237.7	169.8	108.0	50.0	0.0
-55°	350.8	285.6	220.3	159.0	100.8	47.1	0.0
-57.5°	323.2	263.5	202.5	147.9	93.5	44.2	0.0
-60°	295.5	241.0	184.5	136.6	86.0	41.2	0.0
-62.5°	268.3	218.1	169.2	125.0	79.6	38.1	0.0
-65°	240.6	194.7	153.6	113.2	73.0	34.9	0.0
-67.5°	212.6	173.1	137.8	101.2	66.2	31.6	0.0
-70°	184.3	153.2	121.7	89.0	59.2	28.3	0.0
-72.5°	159.9	133.1	105.3	77.9	52.1	24.9	0.0
-75°	135.9	112.8	88.8	67.0	44.9	21.4	0.0
-77.5°	111.7	92.3	73.9	56.0	37.6	17.9	0.0
-80°	87.3	73.3	59.3	44.9	30.2	14.4	0.0
-82.5°	65.3	55.1	44.6	33.8	22.7	10.8	0.0
-85°	43.6	36.8	29.7	22.5	15.2	7.2	0.0
-87.5°	21.8	18.4	14.9	11.3	7.6	3.6	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)