

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: P558978 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA4E-927-U-WAF-XX**

Issue Date: 7/20/2021

Test Information

Test Method: LM-79-08
Report Number: P558978 (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-SA4E-927-U-WAF-XX
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, WIDE ASYMMETRICAL FLOOD 6x7
Light Source: (64) 2700K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

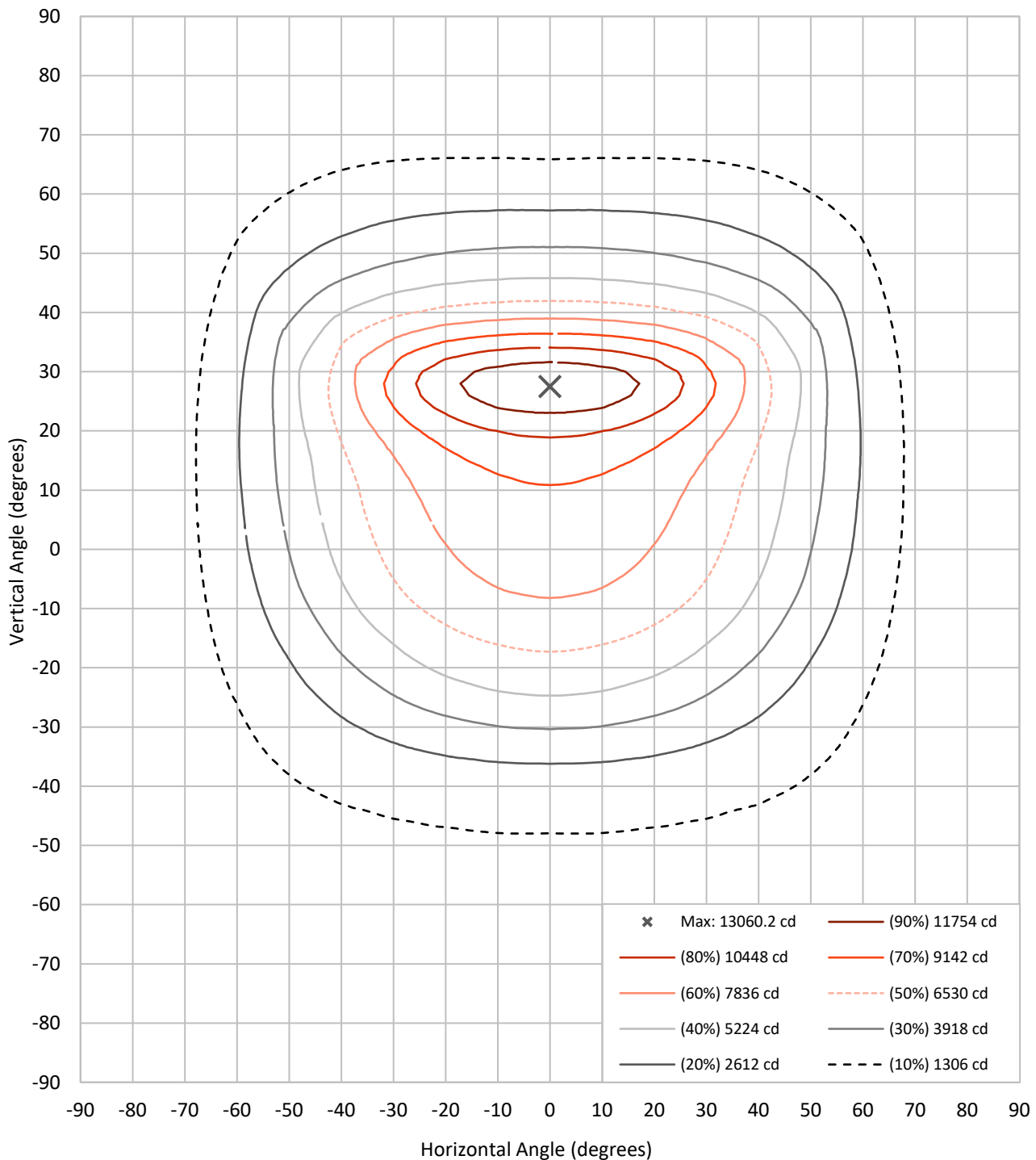
Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	19039.6 lumens	Max Intensity:	13060.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 27.5°V
Efficacy:	76.2 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')		
Beam Angle (50%):	85°H x 59.2°V	Field Angle (10%):	134.5°H x 113.8°V
Beam Lumens:	9874.8 lumens	Field Lumens:	17613.2 lumens
Beam Efficiency:	51.9%	Field Efficiency:	92.5%

Input Watts (W): 250
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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CATALOG NUMBER: GFLD-SA4E-927-U-WAF-XX

Iso-Candela Plot





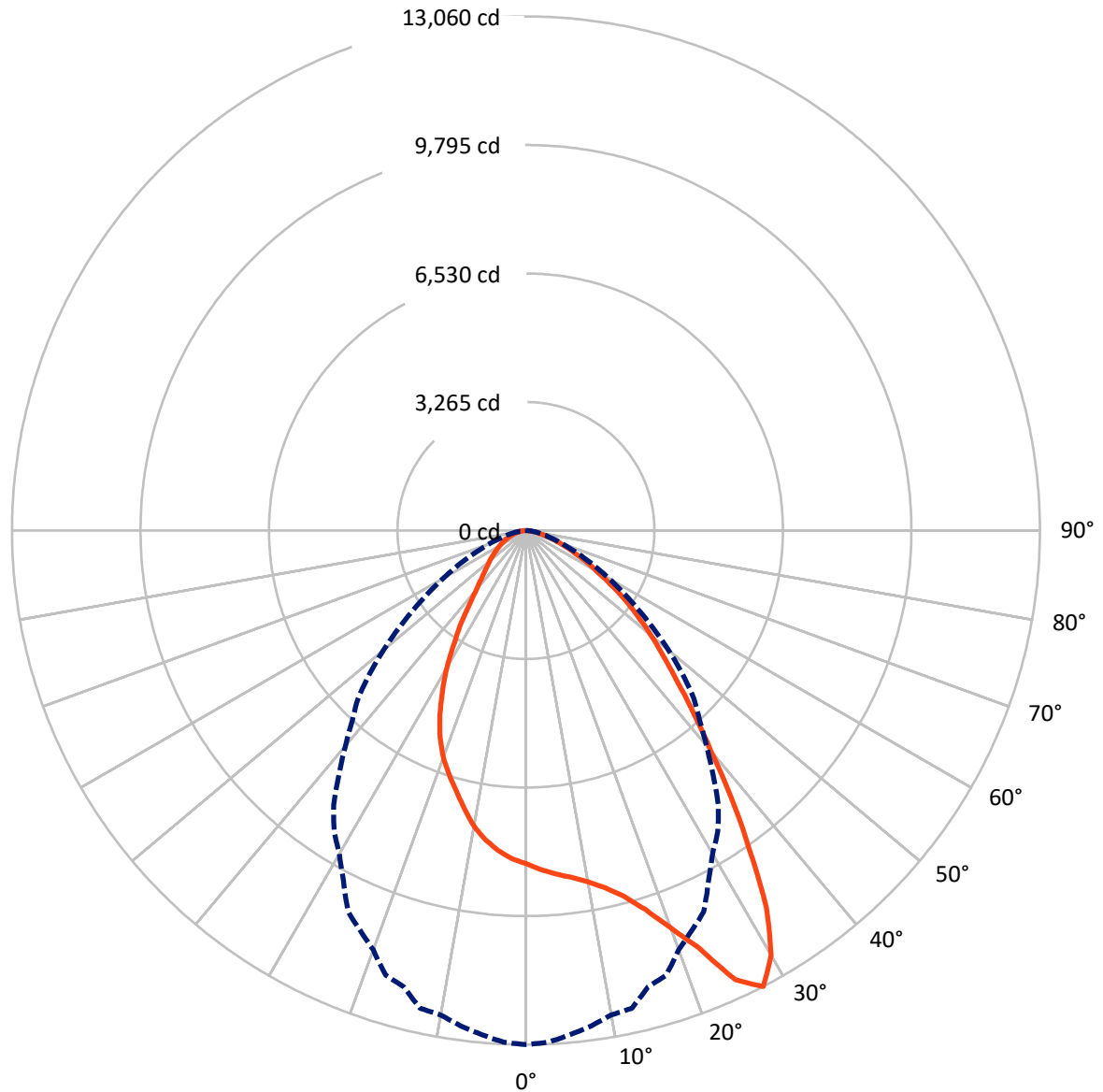
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Lumen Table

90																			
80	1.3	11.4		28.5		37.3		38.7		37.3		28.5		11.4		1.3			
70																			
60	5.1	6.4	14.2	24.0	32.9	39.2	42.8	43.9	43.9	42.8	39.2	32.9	24.0	14.2	6.4	5.1			
50		10.6	25.9	44.7	63.3	78.6	88.8	93.5	93.5	88.8	78.6	63.3	44.7	25.9	10.6				
40	9.1	15.3	41.6	76.3	110.8	138.9	158.0	167.9	167.9	158.0	138.9	110.8	76.3	41.6	15.3	9.1			
30		19.5	56.7	113.8	179.5	237.1	278.2	298.9	298.9	278.2	237.1	179.5	113.8	56.7	19.5				
20	11.5	22.1	62.0	126.9	203.2	277.0	333.9	364.8	364.8	333.9	277.0	203.2	126.9	62.0	22.1	11.5			
10		22.7	61.0	116.5	177.1	231.5	271.7	292.6	292.6	271.7	231.5	177.1	116.5	61.0	22.7				
0	11.5	21.8	57.3	108.1	162.6	210.7	246.3	263.8	263.8	246.3	210.7	162.6	108.1	57.3	21.8	11.5			
-10		19.6	50.6	96.4	147.3	192.8	226.3	243.6	243.6	226.3	192.8	147.3	96.4	50.6	19.6				
-20	9.7	16.7	40.7	77.2	120.3	160.4	190.4	206.3	206.3	190.4	160.4	120.3	77.2	40.7	16.7	9.7			
-30		13.5	30.4	55.4	85.6	116.3	140.1	153.9	153.9	140.1	116.3	85.6	55.4	30.4	13.5				
-40	6.8	10.5	22.0	36.8	52.9	68.3	80.4	87.2	87.2	80.4	68.3	52.9	36.8	22.0	10.5	6.8			
-50		7.9	15.6	23.9	31.8	38.8	43.8	46.2	46.2	43.8	38.8	31.8	23.9	15.6	7.9				
-60	3.9	5.7	10.7	15.9	20.6	24.9	28.0	29.4	29.4	28.0	24.9	20.6	15.9	10.7	5.7	3.9			
-70		3.8	6.9	10.2	13.1	15.6	17.3	18.0	18.0	17.3	15.6	13.1	10.2	6.9	3.8				
-80	1.2	7.7		16.4		22.1		23.8		22.1		16.4		7.7		1.2			
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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CATALOG NUMBER: GFLD-SA4E-927-U-WAF-XX

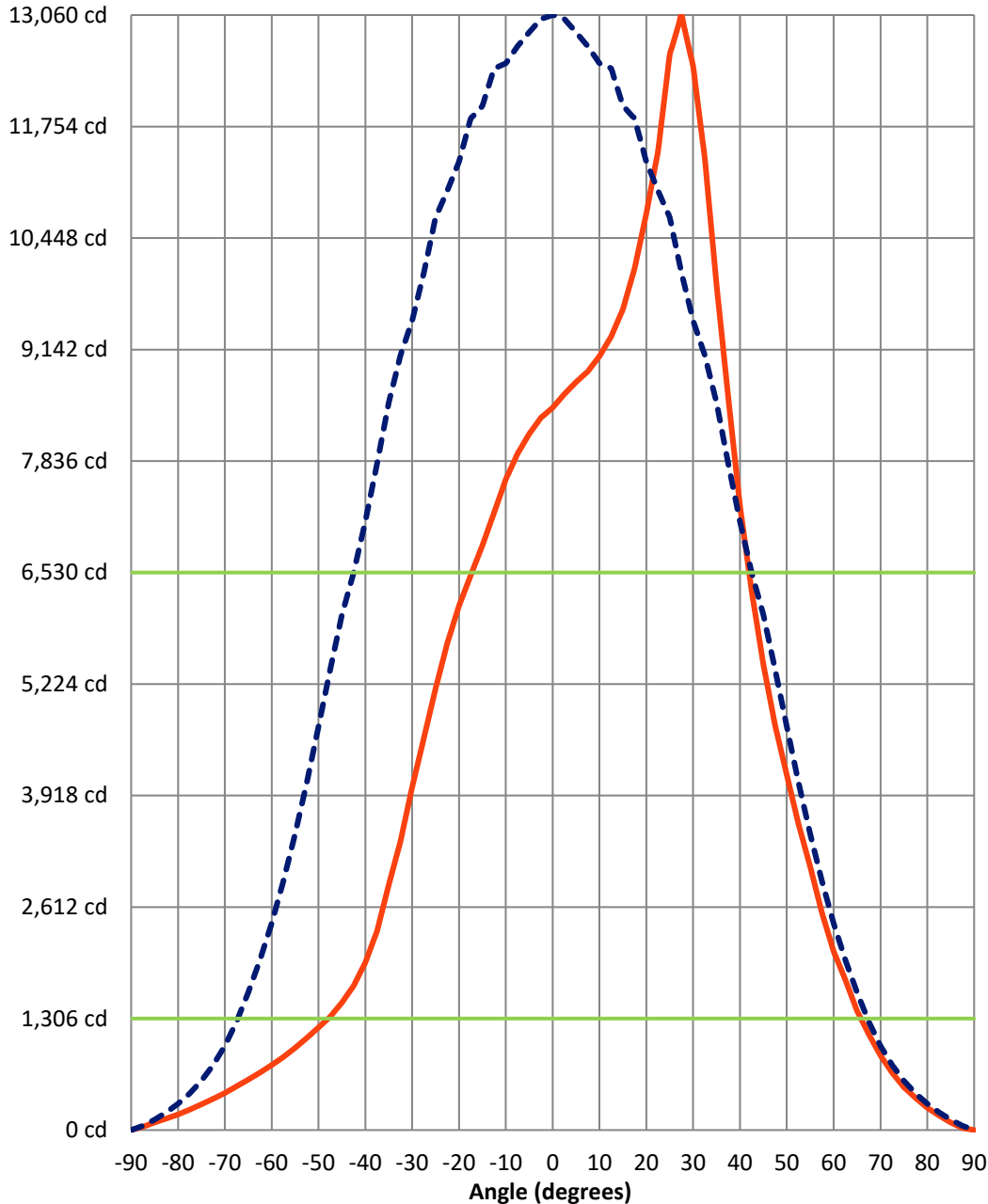
Luminous Intensity Polar Plot



— 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: 9874.8
 Efficiency: 51.9%

Field:
 H Angle: 134.5°
 V Angle: 113.8°
 Lumens: 17613.2
 Efficiency: 92.5%

Spill:
 Lumens: 1426.3
 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	2.5	5.1	7.5	9.9	12.3	14.6	16.8	18.9	20.9	22.9
85°	0.0	5.0	10.1	15.1	19.9	24.6	29.1	33.5	37.8	41.9	45.8
82.5°	0.0	7.5	15.2	22.6	29.8	36.8	43.6	50.2	57.7	70.3	83.4
80°	0.0	9.9	20.2	30.0	39.6	49.0	59.3	75.8	93.0	110.9	129.5
77.5°	0.0	12.4	25.2	37.5	49.4	63.9	84.2	105.6	127.9	151.1	178.1
75°	0.0	14.8	30.1	44.8	60.1	83.7	108.8	135.0	163.3	199.0	235.5
72.5°	0.0	17.2	35.0	52.1	75.3	103.3	133.0	166.3	207.1	249.1	292.0
70°	0.0	19.6	39.8	59.9	90.2	122.5	157.6	203.3	250.2	298.5	354.9
67.5°	0.0	21.9	44.5	70.6	104.8	141.2	187.8	239.6	292.5	355.2	418.3
65°	0.0	24.2	49.1	80.9	119.0	162.1	217.1	275.1	341.5	410.7	484.0
62.5°	0.0	26.4	53.6	91.1	132.9	184.9	245.4	314.6	389.3	466.8	556.4
60°	0.0	28.6	58.0	100.9	146.4	206.9	272.7	355.0	435.9	528.6	626.4
57.5°	0.0	30.7	64.2	110.5	162.6	228.0	303.6	393.9	486.5	588.2	706.4
55°	0.0	32.8	70.2	119.7	178.3	248.2	333.5	430.0	536.5	648.5	788.2
52.5°	0.0	34.7	76.1	128.6	193.3	268.0	361.9	468.3	584.3	716.1	865.4
50°	0.0	36.7	81.7	137.1	207.6	289.7	388.6	504.8	632.5	779.5	957.7
47.5°	0.0	38.5	87.1	145.7	221.1	310.1	414.0	538.8	684.0	838.5	1045.7
45°	0.0	40.3	92.3	155.2	233.8	329.2	440.6	570.1	728.9	909.9	1126.8
42.5°	0.0	42.0	97.3	164.2	245.8	346.8	465.1	603.0	770.1	975.7	1217.9
40°	0.0	43.6	102.0	172.7	257.8	363.1	487.4	635.9	811.6	1034.9	1303.3
37.5°	0.0	45.1	106.5	180.8	269.9	377.8	507.5	665.8	856.4	1089.0	1379.8
35°	0.0	46.6	110.7	188.3	280.9	392.5	525.5	692.6	895.9	1146.5	1451.9
32.5°	0.0	47.9	114.6	195.4	290.9	406.3	542.7	716.3	930.0	1195.8	1516.1
30°	0.0	49.2	118.2	201.8	299.8	418.4	561.2	738.4	958.8	1236.7	1569.4
27.5°	0.0	50.3	121.6	207.7	308.2	428.9	577.2	761.3	985.5	1269.4	1611.7
25°	0.0	51.4	124.7	213.1	315.7	437.6	590.8	779.9	1011.5	1299.5	1643.5
22.5°	0.0	52.4	127.5	217.9	322.0	445.3	601.8	794.5	1031.1	1323.7	1670.6
20°	0.0	53.2	129.9	222.1	327.4	452.9	610.4	805.0	1044.5	1339.4	1688.1
17.5°	0.0	54.0	132.1	225.7	331.7	459.2	618.1	811.6	1051.7	1346.9	1696.2
15°	0.0	54.6	134.0	228.8	335.1	464.1	624.3	816.1	1053.2	1346.4	1695.1
12.5°	0.0	55.2	135.5	231.3	337.4	467.8	628.1	819.5	1053.2	1338.3	1685.1
10°	0.0	55.6	136.8	233.2	338.8	470.0	629.6	819.7	1051.5	1334.3	1669.7
7.5°	0.0	55.9	137.7	234.5	339.3	471.0	628.9	816.9	1045.3	1325.8	1652.7
5°	0.0	56.2	138.3	235.2	338.9	470.7	626.1	811.1	1034.9	1311.8	1627.3
2.5°	0.0	56.3	138.6	235.4	337.6	469.0	621.4	802.6	1020.5	1292.3	1594.5
0°	0.0	56.3	138.6	235.0	335.5	466.1	614.7	791.5	1002.5	1267.7	1554.9
-2.5°	0.0	56.4	138.3	233.9	333.9	461.7	607.7	779.9	984.8	1240.4	1515.1
-5°	0.0	56.3	137.6	232.3	331.5	456.1	598.9	765.9	963.9	1208.7	1470.1
-7.5°	0.0	56.2	136.7	230.2	328.3	449.4	588.6	749.9	940.2	1173.2	1420.5
-10°	0.0	56.0	135.4	227.5	324.4	441.6	576.8	731.9	913.9	1134.1	1367.1
-12.5°	0.0	55.6	133.9	224.4	319.8	432.9	563.6	712.2	885.1	1092.5	1314.7
-15°	0.0	55.1	132.1	220.7	314.5	423.3	549.0	690.8	855.7	1051.5	1261.1
-17.5°	0.0	54.6	130.0	216.6	308.4	412.9	533.1	669.5	826.3	1008.2	1204.9
-20°	0.0	53.9	127.7	212.0	301.7	401.8	516.7	647.8	795.2	963.1	1146.3



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 CATALOG NUMBER: GFLD-SA4E-927-U-WAF-XX

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	53.1	125.1	207.0	294.2	390.0	500.2	624.6	762.8	916.4	1086.0
-25°	0.0	52.2	122.2	201.6	286.2	378.3	482.7	600.0	729.3	868.5	1024.2
-27.5°	0.0	51.2	119.2	195.7	277.5	366.0	464.3	574.2	694.8	822.1	965.5
-30°	0.0	50.1	115.8	189.5	268.2	352.9	445.2	547.1	661.5	779.8	907.0
-32.5°	0.0	48.8	112.3	182.9	258.6	339.2	425.2	521.8	628.3	737.2	848.8
-35°	0.0	47.5	108.6	175.9	248.4	324.7	406.6	496.9	594.1	694.7	791.2
-37.5°	0.0	46.1	104.6	168.6	237.8	310.1	388.2	471.5	559.0	652.4	743.6
-40°	0.0	44.6	100.5	160.9	226.8	296.1	369.1	445.6	523.2	611.2	698.5
-42.5°	0.0	43.0	96.1	153.0	215.8	281.6	349.4	419.4	490.9	571.3	652.6
-45°	0.0	41.3	91.6	144.8	204.9	266.7	329.1	394.0	460.6	531.4	606.4
-47.5°	0.0	39.5	87.0	136.4	193.6	251.4	308.2	369.7	430.3	491.6	562.2
-50°	0.0	37.7	82.1	128.8	181.9	235.7	289.1	344.9	400.4	458.0	518.3
-52.5°	0.0	35.7	77.2	121.3	169.8	219.6	270.0	319.6	371.4	423.9	475.2
-55°	0.0	33.7	72.1	113.6	157.4	204.0	250.6	294.3	342.5	389.2	437.0
-57.5°	0.0	31.6	66.8	105.7	144.7	188.3	230.9	271.8	313.1	356.0	398.3
-60°	0.0	29.4	61.4	97.6	131.9	172.2	211.1	249.1	284.2	322.9	360.1
-62.5°	0.0	27.2	56.9	89.3	120.9	155.8	191.7	226.0	258.1	289.5	323.6
-65°	0.0	24.9	52.1	80.9	109.8	139.2	172.0	202.7	231.8	259.4	286.9
-67.5°	0.0	22.6	47.3	72.3	98.5	123.7	152.0	179.8	205.1	230.0	253.3
-70°	0.0	20.2	42.3	63.6	86.9	109.5	131.7	156.8	179.6	200.3	221.0
-72.5°	0.0	17.8	37.3	55.7	75.3	95.2	114.3	133.6	154.0	172.5	189.0
-75°	0.0	15.3	32.1	47.9	63.5	80.6	97.1	113.0	128.4	144.8	159.5
-77.5°	0.0	12.8	26.9	40.0	52.9	66.0	79.8	93.3	106.0	117.9	129.9
-80°	0.0	10.3	21.6	32.1	42.4	52.4	62.4	73.5	84.0	93.8	102.9
-82.5°	0.0	7.7	16.2	24.1	31.9	39.4	46.7	54.3	61.8	69.6	76.8
-85°	0.0	5.2	10.8	16.1	21.3	26.3	31.2	36.2	41.2	46.1	50.9
-87.5°	0.0	2.6	5.4	8.1	10.6	13.2	15.6	18.1	20.6	23.1	25.5
-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: P558978 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-927-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°	24.1	25.1	25.9	26.5	27.5	28.4	29.2	29.8	30.4	30.8	31.1
85°	48.2	50.2	56.2	61.9	67.8	73.1	77.9	82.1	85.5	88.3	90.5
82.5°	94.2	104.3	113.9	122.9	131.1	138.4	145.4	153.5	160.0	165.5	169.9
80°	144.5	158.3	175.1	190.7	204.9	217.8	229.6	240.2	248.4	256.7	264.8
77.5°	203.2	225.5	246.2	265.4	283.8	305.4	325.4	343.7	357.7	368.4	376.5
75°	266.3	292.7	322.9	352.9	381.0	406.9	432.0	462.6	487.5	506.3	521.2
72.5°	333.6	371.6	408.5	444.4	485.7	525.8	564.7	602.4	635.4	659.7	679.3
70°	406.3	450.4	501.5	553.1	602.8	653.1	706.8	755.7	796.2	824.8	852.1
67.5°	480.6	542.5	602.9	665.1	735.4	799.5	858.1	920.0	974.6	1010.5	1041.8
65°	566.2	635.5	716.2	798.6	875.8	955.8	1030.0	1097.1	1165.9	1215.9	1257.0
62.5°	649.0	746.4	841.5	937.9	1035.0	1122.1	1218.9	1305.2	1374.4	1446.0	1507.3
60°	747.2	862.9	979.6	1095.8	1204.5	1326.8	1432.9	1533.2	1625.8	1705.5	1780.9
57.5°	845.2	994.6	1132.7	1269.1	1412.8	1543.6	1668.4	1780.7	1891.3	1983.6	2074.1
55°	948.2	1140.6	1300.0	1468.5	1626.6	1774.3	1914.5	2055.2	2173.1	2300.3	2410.9
52.5°	1062.6	1282.4	1488.3	1673.8	1852.0	2022.5	2190.1	2359.5	2525.0	2656.9	2782.0
50°	1169.6	1431.6	1679.2	1890.9	2095.7	2298.0	2507.6	2719.4	2901.8	3052.6	3182.8
47.5°	1287.3	1570.1	1884.7	2118.9	2364.7	2615.4	2869.8	3103.7	3302.5	3507.6	3651.4
45°	1402.0	1710.3	2051.7	2376.6	2661.0	2964.6	3244.8	3502.9	3790.9	4015.0	4207.1
42.5°	1506.7	1843.1	2223.1	2636.6	2992.2	3318.1	3621.4	3984.4	4315.3	4577.3	4817.0
40°	1614.5	1964.0	2379.0	2878.2	3322.6	3670.4	4039.6	4440.8	4871.4	5193.7	5480.3
37.5°	1712.9	2087.6	2521.6	3062.5	3647.8	4030.2	4438.4	4873.7	5364.6	5849.5	6194.0
35°	1800.1	2192.2	2663.0	3212.5	3811.7	4378.9	4810.6	5274.2	5811.5	6440.6	6911.1
32.5°	1879.2	2277.7	2775.3	3329.4	3937.3	4602.4	5150.1	5626.1	6165.1	6814.3	7613.3
30°	1943.5	2360.5	2858.9	3414.0	4023.6	4686.0	5381.6	5900.1	6411.7	7048.8	7792.4
27.5°	1992.4	2421.2	2916.5	3466.7	4069.8	4724.8	5393.9	6033.6	6528.8	7128.3	7804.5
25°	2029.9	2470.9	2947.0	3486.3	4076.5	4707.7	5351.6	5956.9	6512.8	7041.4	7648.2
22.5°	2061.0	2505.2	2980.4	3473.1	4045.8	4647.1	5252.6	5829.8	6367.9	6862.7	7384.7
20°	2084.3	2527.1	2997.3	3486.0	3994.2	4548.6	5127.7	5677.1	6196.8	6675.9	7100.8
17.5°	2094.8	2533.6	2997.2	3483.6	3985.5	4470.4	4974.7	5502.7	6013.7	6489.7	6909.5
15°	2093.0	2525.1	2980.8	3465.0	3959.3	4439.8	4904.3	5340.0	5815.7	6297.0	6715.2
12.5°	2079.1	2502.3	2948.3	3430.3	3916.9	4391.6	4847.8	5285.2	5711.8	6114.8	6514.7
10°	2053.9	2465.8	2900.6	3379.7	3858.2	4325.9	4776.2	5215.0	5637.2	6032.9	6405.2
7.5°	2028.0	2424.9	2843.3	3313.4	3783.3	4242.8	4689.0	5128.7	5542.6	5937.5	6313.5
5°	1993.8	2381.6	2799.6	3249.9	3702.9	4151.1	4587.8	5025.3	5428.2	5826.7	6204.2
2.5°	1950.4	2327.8	2744.5	3173.0	3612.8	4056.4	4478.4	4907.7	5320.9	5703.8	6075.7
0°	1898.5	2264.1	2677.9	3081.7	3507.6	3945.6	4351.4	4771.3	5201.2	5562.8	5926.4
-2.5°	1841.9	2187.8	2580.9	2982.7	3394.3	3823.8	4239.9	4638.0	5058.4	5423.9	5795.2
-5°	1778.5	2103.5	2473.7	2871.0	3267.6	3686.4	4110.2	4488.7	4890.3	5251.7	5617.0
-7.5°	1709.2	2012.6	2357.8	2745.5	3123.4	3518.3	3919.7	4283.8	4674.2	5031.8	5387.5
-10°	1636.1	1922.8	2245.1	2603.6	2959.9	3328.0	3705.0	4061.6	4437.0	4793.1	5135.4
-12.5°	1566.0	1834.3	2128.9	2454.9	2787.4	3127.5	3478.1	3822.4	4178.5	4536.3	4856.3
-15°	1492.6	1741.4	2008.9	2301.1	2607.3	2918.5	3240.6	3566.3	3900.5	4250.6	4546.3
-17.5°	1416.6	1644.7	1886.4	2143.9	2420.8	2702.7	2998.8	3313.2	3619.0	3937.9	4223.8
-20°	1338.8	1545.3	1762.9	1984.8	2230.8	2501.1	2778.1	3060.2	3338.2	3615.8	3884.4



REPORT NUMBER: P558978 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-927-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°	1260.1	1443.7	1641.7	1836.9	2071.0	2315.0	2558.0	2803.0	3052.3	3291.4	3545.4
-25°	1183.9	1349.3	1524.3	1714.1	1915.0	2130.0	2338.9	2545.9	2767.1	2991.1	3209.8
-27.5°	1110.5	1256.5	1421.7	1590.9	1758.3	1949.7	2132.4	2307.9	2500.9	2698.6	2875.2
-30°	1037.0	1175.6	1320.2	1470.4	1617.7	1777.5	1935.5	2089.4	2246.6	2415.9	2568.9
-32.5°	968.8	1095.3	1226.9	1358.6	1483.5	1607.5	1753.5	1890.2	2018.9	2139.5	2273.0
-35°	906.4	1022.4	1136.9	1250.4	1353.3	1462.3	1584.4	1699.6	1802.8	1899.7	2001.8
-37.5°	847.6	950.9	1047.3	1148.7	1240.2	1333.6	1423.4	1523.1	1606.8	1684.2	1768.0
-40°	788.6	881.0	967.8	1052.5	1136.4	1214.4	1291.0	1358.9	1426.2	1500.6	1558.2
-42.5°	730.6	816.4	894.0	959.0	1038.1	1105.3	1164.9	1221.1	1276.2	1334.2	1380.3
-45°	679.3	752.4	823.2	885.5	944.8	1002.1	1052.6	1096.8	1148.9	1189.2	1224.0
-47.5°	627.6	690.9	755.7	813.2	862.8	909.3	946.9	991.2	1033.9	1068.5	1088.9
-50°	576.7	634.6	689.5	743.0	788.0	825.4	857.8	894.2	929.7	959.1	978.5
-52.5°	529.8	578.1	629.0	674.6	716.0	749.5	780.4	812.1	838.2	858.3	883.7
-55°	483.5	528.0	570.5	611.4	646.8	677.5	707.8	735.9	758.2	775.6	796.6
-57.5°	440.0	480.2	517.2	551.6	583.3	609.7	639.2	663.3	684.0	700.2	721.9
-60°	397.6	433.6	467.2	497.1	523.3	549.2	573.3	595.4	613.4	629.6	649.4
-62.5°	355.4	387.9	418.3	445.8	469.5	491.0	512.7	531.5	546.6	563.3	579.8
-65°	315.9	343.3	369.9	395.0	417.4	437.9	455.7	471.0	485.2	500.0	513.3
-67.5°	276.6	302.1	324.4	344.3	365.0	384.9	401.4	415.5	427.4	439.5	450.6
-70°	241.3	261.6	282.0	299.9	315.7	332.3	348.4	361.6	372.1	381.7	390.7
-72.5°	206.7	224.7	241.4	256.9	271.2	284.5	297.2	309.2	319.1	326.5	333.0
-75°	173.8	187.8	202.2	215.8	227.4	237.7	247.5	257.1	265.1	271.5	276.7
-77.5°	142.2	154.0	165.1	175.5	183.9	192.1	199.7	206.6	212.8	217.7	221.2
-80°	111.7	120.2	129.2	137.7	144.2	149.7	154.6	158.7	163.3	167.9	172.0
-82.5°	83.1	89.3	95.2	101.0	105.5	109.4	112.7	115.9	119.2	122.2	124.8
-85°	54.7	58.3	61.9	65.4	68.9	71.9	74.5	76.7	78.5	80.0	81.3
-87.5°	27.4	29.1	30.8	32.3	34.0	35.5	37.0	38.3	39.2	40.0	40.6
-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: P558978 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-927-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°	31.3	31.4	31.4	31.2	31.0	29.7	28.3	26.8	25.2	26.0	26.7
85°	92.1	92.4	92.2	91.3	89.8	89.7	89.4	88.8	87.9	89.3	90.4
82.5°	173.3	174.6	174.8	174.0	172.2	173.0	173.3	172.9	171.9	173.1	173.9
80°	270.9	273.4	273.6	271.8	268.1	268.6	268.8	268.1	266.2	266.7	266.6
77.5°	385.9	391.9	393.9	393.1	389.4	388.3	385.6	380.4	372.7	372.5	372.7
75°	532.6	538.7	541.9	541.6	538.1	535.7	532.4	526.3	517.7	517.4	517.5
72.5°	694.5	703.4	707.5	711.1	711.1	709.7	705.4	696.4	683.1	681.5	683.1
70°	873.3	888.4	897.9	905.2	911.0	912.2	909.4	902.1	890.5	887.4	886.5
67.5°	1072.5	1096.6	1114.8	1126.9	1138.3	1146.5	1149.6	1146.4	1136.9	1133.8	1135.1
65°	1295.7	1332.8	1363.5	1386.4	1401.8	1412.7	1422.2	1427.9	1429.3	1432.6	1437.0
62.5°	1556.4	1602.0	1644.6	1673.7	1688.6	1699.2	1729.8	1747.4	1752.5	1753.6	1760.4
60°	1847.6	1905.2	1958.4	2001.1	2035.6	2061.7	2087.8	2105.0	2111.5	2112.8	2122.1
57.5°	2166.0	2238.3	2300.6	2366.8	2412.9	2439.6	2474.4	2510.3	2529.1	2534.4	2556.5
55°	2518.2	2616.9	2697.7	2768.4	2832.9	2889.5	2937.4	2974.4	3001.8	3018.2	3047.5
52.5°	2907.7	3023.7	3108.1	3191.2	3283.6	3348.7	3391.3	3459.7	3509.3	3536.5	3571.4
50°	3335.3	3464.6	3579.6	3666.8	3774.3	3863.2	3928.1	3992.8	4038.2	4064.1	4097.9
47.5°	3822.1	3981.4	4114.9	4195.7	4320.4	4425.2	4467.4	4516.4	4601.8	4642.8	4678.9
45°	4370.3	4573.4	4721.7	4848.1	4955.3	5072.8	5149.8	5205.4	5289.5	5331.8	5358.4
42.5°	5022.4	5248.4	5443.8	5595.5	5685.7	5838.1	5949.4	5980.6	6099.8	6180.6	6204.4
40°	5753.8	6004.3	6262.1	6435.0	6580.2	6735.0	6918.4	7020.6	7121.4	7200.6	7218.6
37.5°	6516.0	6851.3	7145.5	7368.8	7608.7	7837.1	8031.6	8137.7	8203.8	8355.4	8412.0
35°	7290.9	7636.9	8049.1	8395.9	8686.7	8968.8	9190.7	9365.3	9531.7	9668.2	9749.9
32.5°	7950.7	8323.1	8832.0	9351.3	9665.4	9970.7	10335.1	10535.0	10756.9	10936.8	11068.1
30°	8492.9	8847.0	9310.2	9962.0	10391.9	10701.4	11162.6	11439.0	11680.7	11985.5	12091.6
27.5°	8518.6	9072.0	9481.7	10042.9	10688.1	11002.3	11343.6	11845.9	11998.3	12432.9	12495.5
25°	8295.1	8876.0	9297.0	9765.5	10302.0	10684.2	10995.9	11413.5	11632.2	11911.7	12126.4
22.5°	7945.3	8457.3	8886.8	9284.1	9702.7	10050.7	10335.6	10629.2	10869.2	11086.1	11287.5
20°	7559.1	8045.1	8452.4	8794.1	9125.8	9448.4	9704.7	9951.2	10158.8	10345.0	10459.6
17.5°	7287.1	7636.7	8052.9	8402.9	8690.5	8943.7	9208.8	9415.2	9597.3	9764.8	9869.6
15°	7101.3	7433.9	7730.1	8051.3	8354.4	8595.8	8795.4	9008.3	9165.7	9309.9	9423.4
12.5°	6908.6	7251.2	7561.3	7828.7	8066.0	8329.7	8543.0	8710.5	8875.6	8988.8	9105.5
10°	6747.6	7068.2	7389.8	7672.2	7921.8	8139.1	8341.0	8529.0	8677.1	8804.1	8896.0
7.5°	6654.1	6968.5	7257.5	7528.5	7771.9	8003.4	8211.7	8383.9	8530.7	8662.2	8758.5
5°	6545.7	6856.9	7145.5	7422.4	7656.2	7878.6	8086.1	8263.3	8415.2	8532.4	8624.5
2.5°	6421.5	6728.5	7016.3	7297.8	7531.5	7746.0	7942.4	8115.2	8273.5	8385.1	8463.5
0°	6280.0	6587.4	6868.6	7133.8	7368.8	7599.9	7780.7	7955.5	8110.2	8220.6	8299.0
-2.5°	6137.2	6442.7	6733.8	6987.9	7221.2	7434.5	7627.0	7792.0	7939.8	8049.8	8118.6
-5°	5947.5	6251.0	6538.4	6794.5	7038.1	7252.3	7439.3	7607.2	7749.6	7869.5	7962.8
-7.5°	5717.7	6024.7	6311.8	6573.2	6815.7	7018.0	7197.7	7366.8	7518.8	7649.8	7764.6
-10°	5465.0	5768.7	6039.9	6284.7	6510.7	6716.5	6907.5	7074.7	7213.9	7342.2	7438.8
-12.5°	5170.8	5451.9	5717.2	5958.5	6179.5	6385.5	6567.2	6726.4	6866.6	6980.3	7067.4
-15°	4846.1	5113.0	5364.2	5610.9	5842.2	6045.1	6205.0	6372.7	6494.2	6604.6	6683.0
-17.5°	4498.8	4756.8	5021.0	5268.3	5481.9	5682.0	5858.0	6011.2	6138.7	6239.9	6328.4
-20°	4146.7	4409.5	4663.8	4899.4	5104.8	5290.4	5468.6	5615.8	5746.5	5856.6	5960.3



REPORT NUMBER: P558978 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-927-U-WAF-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	3793.1	4034.1	4272.8	4503.4	4697.6	4873.1	5029.1	5169.9	5285.2	5415.1	5506.7
-25°	3429.8	3641.1	3856.7	4060.3	4244.0	4416.4	4557.8	4681.2	4801.4	4926.8	5016.2
-27.5°	3064.9	3251.6	3426.7	3606.9	3767.8	3917.2	4048.4	4156.5	4273.2	4356.8	4455.1
-30°	2703.9	2873.3	3019.4	3144.8	3296.0	3424.2	3526.3	3633.7	3730.1	3810.1	3892.8
-32.5°	2398.2	2514.1	2630.8	2735.6	2836.3	2941.6	3023.9	3117.6	3183.7	3252.6	3319.4
-35°	2104.5	2193.7	2271.3	2369.3	2444.7	2502.1	2570.7	2639.4	2665.8	2740.7	2780.7
-37.5°	1838.5	1897.1	1969.3	2037.7	2093.7	2136.5	2197.6	2233.6	2252.6	2301.0	2327.0
-40°	1610.9	1647.9	1715.3	1761.9	1795.6	1826.7	1877.5	1900.9	1926.8	1950.9	1951.6
-42.5°	1410.6	1458.2	1503.9	1540.6	1561.8	1597.2	1621.2	1623.9	1657.4	1678.8	1682.1
-45°	1246.7	1295.1	1331.3	1358.3	1379.5	1410.0	1425.4	1434.0	1461.4	1476.0	1482.3
-47.5°	1120.9	1154.7	1186.1	1206.8	1234.7	1257.3	1268.6	1283.0	1304.0	1317.4	1326.9
-50°	1010.3	1037.0	1060.9	1079.9	1107.7	1127.8	1138.6	1156.3	1172.0	1181.6	1189.1
-52.5°	913.0	936.9	953.4	971.9	994.9	1012.7	1026.5	1044.0	1057.1	1065.6	1072.2
-55°	821.9	844.4	860.5	880.7	897.1	909.1	920.8	937.9	950.8	959.4	965.1
-57.5°	741.5	758.4	774.2	792.5	808.2	821.2	831.7	841.1	849.5	856.6	862.2
-60°	666.2	680.0	694.5	708.8	720.6	729.9	741.2	749.8	755.2	758.6	763.2
-62.5°	593.9	606.2	619.0	630.6	640.0	647.8	656.9	664.0	669.1	672.7	675.3
-65°	525.1	535.7	546.6	556.2	564.3	571.2	577.6	582.5	586.1	589.1	591.4
-67.5°	460.7	469.2	476.8	483.4	489.5	495.3	500.9	504.8	506.8	509.3	511.7
-70°	398.6	405.3	410.4	414.4	418.0	422.6	427.9	431.7	433.9	436.3	438.5
-72.5°	338.6	343.5	347.6	350.9	352.9	355.9	359.6	362.7	365.0	366.8	367.6
-75°	280.8	284.8	288.4	291.0	292.5	294.6	296.5	297.5	297.7	298.5	299.0
-77.5°	224.3	228.2	231.6	234.0	235.5	237.2	238.6	239.4	239.5	239.6	239.1
-80°	175.1	177.8	180.0	181.7	182.8	184.0	184.7	184.9	184.5	184.9	185.0
-82.5°	127.1	129.6	131.5	133.0	134.1	135.3	136.2	136.9	137.3	137.5	137.3
-85°	82.3	83.4	84.4	85.4	86.3	86.8	87.1	87.2	87.0	87.1	86.9
-87.5°	41.1	40.7	40.0	39.2	38.3	38.5	38.7	38.8	38.8	39.2	39.6
-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: P558978 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-927-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°	27.4	28.0	26.1	24.1	26.1	28.0	27.4	26.7	26.0	25.2	26.8
85°	91.3	91.9	90.3	88.4	90.3	91.9	91.3	90.4	89.3	87.9	88.8
82.5°	174.2	173.9	172.6	170.8	172.6	173.9	174.2	173.9	173.1	171.9	172.9
80°	265.7	263.9	262.9	261.2	262.9	263.9	265.7	266.6	266.7	266.2	268.1
77.5°	371.8	369.9	373.1	375.7	373.1	369.9	371.8	372.7	372.5	372.7	380.4
75°	515.5	511.5	507.7	502.2	507.7	511.5	515.5	517.5	517.4	517.7	526.3
72.5°	682.3	679.2	676.1	671.0	676.1	679.2	682.3	683.1	681.5	683.1	696.4
70°	881.2	871.9	873.4	873.9	873.4	871.9	881.2	886.5	887.4	890.5	902.1
67.5°	1131.4	1122.9	1124.0	1123.0	1124.0	1122.9	1131.4	1135.1	1133.8	1136.9	1146.4
65°	1434.3	1424.8	1413.2	1396.2	1413.2	1424.8	1434.3	1437.0	1432.6	1429.3	1427.9
62.5°	1759.5	1751.0	1755.9	1759.8	1755.9	1751.0	1759.5	1760.4	1753.6	1752.5	1747.4
60°	2120.6	2108.7	2102.8	2093.3	2102.8	2108.7	2120.6	2122.1	2112.8	2111.5	2105.0
57.5°	2566.6	2564.4	2559.2	2545.3	2559.2	2564.4	2566.6	2556.5	2534.4	2529.1	2510.3
55°	3061.2	3058.4	3069.8	3083.7	3069.8	3058.4	3061.2	3047.5	3018.2	3001.8	2974.4
52.5°	3597.1	3606.1	3602.9	3584.0	3602.9	3606.1	3597.1	3571.4	3536.5	3509.3	3459.7
50°	4127.5	4137.7	4148.5	4158.5	4148.5	4137.7	4127.5	4097.9	4064.1	4038.2	3992.8
47.5°	4728.7	4755.5	4760.1	4741.1	4760.1	4755.5	4728.7	4678.9	4642.8	4601.8	4516.4
45°	5411.8	5427.9	5436.1	5452.3	5436.1	5427.9	5411.8	5358.4	5331.8	5289.5	5205.4
42.5°	6273.0	6291.6	6294.6	6312.1	6294.6	6291.6	6273.0	6204.4	6180.6	6099.8	5980.6
40°	7295.1	7325.4	7320.1	7312.6	7320.1	7325.4	7295.1	7218.6	7200.6	7121.4	7020.6
37.5°	8491.7	8543.1	8548.5	8580.2	8548.5	8543.1	8491.7	8412.0	8355.4	8203.8	8137.7
35°	9834.5	9895.1	9884.6	9900.1	9884.6	9895.1	9834.5	9749.9	9668.2	9531.7	9365.3
32.5°	11189.1	11279.9	11298.2	11374.7	11298.2	11279.9	11189.1	11068.1	10936.8	10756.9	10535.0
30°	12253.3	12380.7	12463.8	12457.5	12463.8	12380.7	12253.3	12091.6	11985.5	11680.7	11439.0
27.5°	12694.1	12859.1	13013.6	13060.2	13013.6	12859.1	12694.1	12495.5	12432.9	11998.3	11845.9
25°	12264.0	12384.6	12521.0	12594.1	12521.0	12384.6	12264.0	12126.4	11911.7	11632.2	11413.5
22.5°	11380.2	11458.6	11505.0	11467.1	11505.0	11458.6	11380.2	11287.5	11086.1	10869.2	10629.2
20°	10578.2	10677.4	10695.9	10735.9	10695.9	10677.4	10578.2	10459.6	10345.0	10158.8	9951.2
17.5°	9981.3	10046.2	10084.4	10093.0	10084.4	10046.2	9981.3	9869.6	9764.8	9597.3	9415.2
15°	9513.4	9565.5	9599.7	9614.9	9599.7	9565.5	9513.4	9423.4	9309.9	9165.7	9008.3
12.5°	9181.9	9245.4	9276.6	9295.4	9276.6	9245.4	9181.9	9105.5	8988.8	8875.6	8710.5
10°	8969.3	9030.6	9055.3	9064.4	9055.3	9030.6	8969.3	8896.0	8804.1	8677.1	8529.0
7.5°	8816.6	8856.0	8872.7	8885.6	8872.7	8856.0	8816.6	8758.5	8662.2	8530.7	8383.9
5°	8693.5	8724.9	8742.4	8761.1	8742.4	8724.9	8693.5	8624.5	8532.4	8415.2	8263.3
2.5°	8525.9	8570.6	8601.7	8620.4	8601.7	8570.6	8525.9	8463.5	8385.1	8273.5	8115.2
0°	8361.3	8403.5	8425.6	8461.7	8425.6	8403.5	8361.3	8299.0	8220.6	8110.2	7955.5
-2.5°	8180.2	8229.1	8287.2	8343.2	8287.2	8229.1	8180.2	8118.6	8049.8	7939.8	7792.0
-5°	8041.8	8106.3	8118.5	8154.3	8118.5	8106.3	8041.8	7962.8	7869.5	7749.6	7607.2
-7.5°	7832.9	7862.3	7912.4	7921.3	7912.4	7862.3	7832.9	7764.6	7649.8	7518.8	7366.8
-10°	7511.1	7559.0	7590.1	7622.0	7590.1	7559.0	7511.1	7438.8	7342.2	7213.9	7074.7
-12.5°	7132.8	7189.1	7239.4	7232.2	7239.4	7189.1	7132.8	7067.4	6980.3	6866.6	6726.4
-15°	6764.4	6818.7	6853.2	6848.5	6853.2	6818.7	6764.4	6683.0	6604.6	6494.2	6372.7
-17.5°	6398.7	6448.2	6498.1	6497.0	6498.1	6448.2	6398.7	6328.4	6239.9	6138.7	6011.2
-20°	6021.0	6063.5	6117.0	6139.4	6117.0	6063.5	6021.0	5960.3	5856.6	5746.5	5615.8



REPORT NUMBER: P558978 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-927-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°	5584.3	5638.7	5677.5	5701.4	5677.5	5638.7	5584.3	5506.7	5415.1	5285.2	5169.9
-25°	5075.3	5131.1	5160.6	5171.0	5160.6	5131.1	5075.3	5016.2	4926.8	4801.4	4681.2
-27.5°	4513.0	4575.5	4605.8	4590.5	4605.8	4575.5	4513.0	4455.1	4356.8	4273.2	4156.5
-30°	3936.3	3976.4	3981.0	4015.9	3981.0	3976.4	3936.3	3892.8	3810.1	3730.1	3633.7
-32.5°	3367.3	3394.2	3379.0	3381.1	3379.0	3394.2	3367.3	3319.4	3252.6	3183.7	3117.6
-35°	2805.5	2827.0	2831.3	2870.8	2831.3	2827.0	2805.5	2780.7	2740.7	2665.8	2639.4
-37.5°	2353.9	2362.5	2349.2	2330.4	2349.2	2362.5	2353.9	2327.0	2301.0	2252.6	2233.6
-40°	1970.7	1977.4	1972.5	1962.7	1972.5	1977.4	1970.7	1951.6	1950.9	1926.8	1900.9
-42.5°	1695.2	1695.3	1690.8	1689.5	1690.8	1695.3	1695.2	1682.1	1678.8	1657.4	1623.9
-45°	1491.6	1493.8	1493.4	1492.7	1493.4	1493.8	1491.6	1482.3	1476.0	1461.4	1434.0
-47.5°	1333.7	1334.1	1332.0	1327.9	1332.0	1334.1	1333.7	1326.9	1317.4	1304.0	1283.0
-50°	1193.8	1193.8	1196.5	1201.4	1196.5	1193.8	1193.8	1189.1	1181.6	1172.0	1156.3
-52.5°	1075.7	1075.4	1076.9	1078.8	1076.9	1075.4	1075.7	1072.2	1065.6	1057.1	1044.0
-55°	967.6	967.0	965.6	962.3	965.6	967.0	967.6	965.1	959.4	950.8	937.9
-57.5°	864.3	863.1	860.5	855.8	860.5	863.1	864.3	862.2	856.6	849.5	841.1
-60°	765.7	766.2	764.9	761.4	764.9	766.2	765.7	763.2	758.6	755.2	749.8
-62.5°	675.9	674.6	674.3	673.0	674.3	674.6	675.9	675.3	672.7	669.1	664.0
-65°	591.8	590.4	590.9	590.6	590.9	590.4	591.8	591.4	589.1	586.1	582.5
-67.5°	512.7	512.3	512.7	512.3	512.7	512.3	512.7	511.7	509.3	506.8	504.8
-70°	439.8	440.0	437.6	433.9	437.6	440.0	439.8	438.5	436.3	433.9	431.7
-72.5°	367.3	366.1	366.2	365.6	366.2	366.1	367.3	367.6	366.8	365.0	362.7
-75°	298.8	298.0	299.9	301.3	299.9	298.0	298.8	299.0	298.5	297.7	297.5
-77.5°	238.0	236.2	237.8	239.1	237.8	236.2	238.0	239.1	239.6	239.5	239.4
-80°	184.7	184.1	183.6	182.8	183.6	184.1	184.7	185.0	184.9	184.5	184.9
-82.5°	136.8	136.0	135.5	134.6	135.5	136.0	136.8	137.3	137.5	137.3	136.9
-85°	86.6	86.1	87.3	88.4	87.3	86.1	86.6	86.9	87.1	87.0	87.2
-87.5°	39.9	40.0	39.2	38.2	39.2	40.0	39.9	39.6	39.2	38.8	38.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P558978 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-927-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°	28.3	29.7	31.0	31.2	31.4	31.4	31.3	31.1	30.8	30.4	29.8
85°	89.4	89.7	89.8	91.3	92.2	92.4	92.1	90.5	88.3	85.5	82.1
82.5°	173.3	173.0	172.2	174.0	174.8	174.6	173.3	169.9	165.5	160.0	153.5
80°	268.8	268.6	268.1	271.8	273.6	273.4	270.9	264.8	256.7	248.4	240.2
77.5°	385.6	388.3	389.4	393.1	393.9	391.9	385.9	376.5	368.4	357.7	343.7
75°	532.4	535.7	538.1	541.6	541.9	538.7	532.6	521.2	506.3	487.5	462.6
72.5°	705.4	709.7	711.1	711.1	707.5	703.4	694.5	679.3	659.7	635.4	602.4
70°	909.4	912.2	911.0	905.2	897.9	888.4	873.3	852.1	824.8	796.2	755.7
67.5°	1149.6	1146.5	1138.3	1126.9	1114.8	1096.6	1072.5	1041.8	1010.5	974.6	920.0
65°	1422.2	1412.7	1401.8	1386.4	1363.5	1332.8	1295.7	1257.0	1215.9	1165.9	1097.1
62.5°	1729.8	1699.2	1688.6	1673.7	1644.6	1602.0	1556.4	1507.3	1446.0	1374.4	1305.2
60°	2087.8	2061.7	2035.6	2001.1	1958.4	1905.2	1847.6	1780.9	1705.5	1625.8	1533.2
57.5°	2474.4	2439.6	2412.9	2366.8	2300.6	2238.3	2166.0	2074.1	1983.6	1891.3	1780.7
55°	2937.4	2889.5	2832.9	2768.4	2697.7	2616.9	2518.2	2410.9	2300.3	2173.1	2055.2
52.5°	3391.3	3348.7	3283.6	3191.2	3108.1	3023.7	2907.7	2782.0	2656.9	2525.0	2359.5
50°	3928.1	3863.2	3774.3	3666.8	3579.6	3464.6	3335.3	3182.8	3052.6	2901.8	2719.4
47.5°	4467.4	4425.2	4320.4	4195.7	4114.9	3981.4	3822.1	3651.4	3507.6	3302.5	3103.7
45°	5149.8	5072.8	4955.3	4848.1	4721.7	4573.4	4370.3	4207.1	4015.0	3790.9	3502.9
42.5°	5949.4	5838.1	5685.7	5595.5	5443.8	5248.4	5022.4	4817.0	4577.3	4315.3	3984.4
40°	6918.4	6735.0	6580.2	6435.0	6262.1	6004.3	5753.8	5480.3	5193.7	4871.4	4440.8
37.5°	8031.6	7837.1	7608.7	7368.8	7145.5	6851.3	6516.0	6194.0	5849.5	5364.6	4873.7
35°	9190.7	8968.8	8686.7	8395.9	8049.1	7636.9	7290.9	6911.1	6440.6	5811.5	5274.2
32.5°	10335.1	9970.7	9665.4	9351.3	8832.0	8323.1	7950.7	7613.3	6814.3	6165.1	5626.1
30°	11162.6	10701.4	10391.9	9962.0	9310.2	8847.0	8492.9	7792.4	7048.8	6411.7	5900.1
27.5°	11343.6	11002.3	10688.1	10042.9	9481.7	9072.0	8518.6	7804.5	7128.3	6528.8	6033.6
25°	10995.9	10684.2	10302.0	9765.5	9297.0	8876.0	8295.1	7648.2	7041.4	6512.8	5956.9
22.5°	10335.6	10050.7	9702.7	9284.1	8886.8	8457.3	7945.3	7384.7	6862.7	6367.9	5829.8
20°	9704.7	9448.4	9125.8	8794.1	8452.4	8045.1	7559.1	7100.8	6675.9	6196.8	5677.1
17.5°	9208.8	8943.7	8690.5	8402.9	8052.9	7636.7	7287.1	6909.5	6489.7	6013.7	5502.7
15°	8795.4	8595.8	8354.4	8051.3	7730.1	7433.9	7101.3	6715.2	6297.0	5815.7	5340.0
12.5°	8543.0	8329.7	8066.0	7828.7	7561.3	7251.2	6908.6	6514.7	6114.8	5711.8	5285.2
10°	8341.0	8139.1	7921.8	7672.2	7389.8	7068.2	6747.6	6405.2	6032.9	5637.2	5215.0
7.5°	8211.7	8003.4	7771.9	7528.5	7257.5	6968.5	6654.1	6313.5	5937.5	5542.6	5128.7
5°	8086.1	7878.6	7656.2	7422.4	7145.5	6856.9	6545.7	6204.2	5826.7	5428.2	5025.3
2.5°	7942.4	7746.0	7531.5	7297.8	7016.3	6728.5	6421.5	6075.7	5703.8	5320.9	4907.7
0°	7780.7	7599.9	7368.8	7133.8	6868.6	6587.4	6280.0	5926.4	5562.8	5201.2	4771.3
-2.5°	7627.0	7434.5	7221.2	6987.9	6733.8	6442.7	6137.2	5795.2	5423.9	5058.4	4638.0
-5°	7439.3	7252.3	7038.1	6794.5	6538.4	6251.0	5947.5	5617.0	5251.7	4890.3	4488.7
-7.5°	7197.7	7018.0	6815.7	6573.2	6311.8	6024.7	5717.7	5387.5	5031.8	4674.2	4283.8
-10°	6907.5	6716.5	6510.7	6284.7	6039.9	5768.7	5465.0	5135.4	4793.1	4437.0	4061.6
-12.5°	6567.2	6385.5	6179.5	5958.5	5717.2	5451.9	5170.8	4856.3	4536.3	4178.5	3822.4
-15°	6205.0	6045.1	5842.2	5610.9	5364.2	5113.0	4846.1	4546.3	4250.6	3900.5	3566.3
-17.5°	5858.0	5682.0	5481.9	5268.3	5021.0	4756.8	4498.8	4223.8	3937.9	3619.0	3313.2
-20°	5468.6	5290.4	5104.8	4899.4	4663.8	4409.5	4146.7	3884.4	3615.8	3338.2	3060.2



REPORT NUMBER: P558978 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-927-U-WAF-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	5029.1	4873.1	4697.6	4503.4	4272.8	4034.1	3793.1	3545.4	3291.4	3052.3	2803.0
-25°	4557.8	4416.4	4244.0	4060.3	3856.7	3641.1	3429.8	3209.8	2991.1	2767.1	2545.9
-27.5°	4048.4	3917.2	3767.8	3606.9	3426.7	3251.6	3064.9	2875.2	2698.6	2500.9	2307.9
-30°	3526.3	3424.2	3296.0	3144.8	3019.4	2873.3	2703.9	2568.9	2415.9	2246.6	2089.4
-32.5°	3023.9	2941.6	2836.3	2735.6	2630.8	2514.1	2398.2	2273.0	2139.5	2018.9	1890.2
-35°	2570.7	2502.1	2444.7	2369.3	2271.3	2193.7	2104.5	2001.8	1899.7	1802.8	1699.6
-37.5°	2197.6	2136.5	2093.7	2037.7	1969.3	1897.1	1838.5	1768.0	1684.2	1606.8	1523.1
-40°	1877.5	1826.7	1795.6	1761.9	1715.3	1647.9	1610.9	1558.2	1500.6	1426.2	1358.9
-42.5°	1621.2	1597.2	1561.8	1540.6	1503.9	1458.2	1410.6	1380.3	1334.2	1276.2	1221.1
-45°	1425.4	1410.0	1379.5	1358.3	1331.3	1295.1	1246.7	1224.0	1189.2	1148.9	1096.8
-47.5°	1268.6	1257.3	1234.7	1206.8	1186.1	1154.7	1120.9	1088.9	1068.5	1033.9	991.2
-50°	1138.6	1127.8	1107.7	1079.9	1060.9	1037.0	1010.3	978.5	959.1	929.7	894.2
-52.5°	1026.5	1012.7	994.9	971.9	953.4	936.9	913.0	883.7	858.3	838.2	812.1
-55°	920.8	909.1	897.1	880.7	860.5	844.4	821.9	796.6	775.6	758.2	735.9
-57.5°	831.7	821.2	808.2	792.5	774.2	758.4	741.5	721.9	700.2	684.0	663.3
-60°	741.2	729.9	720.6	708.8	694.5	680.0	666.2	649.4	629.6	613.4	595.4
-62.5°	656.9	647.8	640.0	630.6	619.0	606.2	593.9	579.8	563.3	546.6	531.5
-65°	577.6	571.2	564.3	556.2	546.6	535.7	525.1	513.3	500.0	485.2	471.0
-67.5°	500.9	495.3	489.5	483.4	476.8	469.2	460.7	450.6	439.5	427.4	415.5
-70°	427.9	422.6	418.0	414.4	410.4	405.3	398.6	390.7	381.7	372.1	361.6
-72.5°	359.6	355.9	352.9	350.9	347.6	343.5	338.6	333.0	326.5	319.1	309.2
-75°	296.5	294.6	292.5	291.0	288.4	284.8	280.8	276.7	271.5	265.1	257.1
-77.5°	238.6	237.2	235.5	234.0	231.6	228.2	224.3	221.2	217.7	212.8	206.6
-80°	184.7	184.0	182.8	181.7	180.0	177.8	175.1	172.0	167.9	163.3	158.7
-82.5°	136.2	135.3	134.1	133.0	131.5	129.6	127.1	124.8	122.2	119.2	115.9
-85°	87.1	86.8	86.3	85.4	84.4	83.4	82.3	81.3	80.0	78.5	76.7
-87.5°	38.7	38.5	38.3	39.2	40.0	40.7	41.1	40.6	40.0	39.2	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



REPORT NUMBER: P558978 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-927-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°	29.2	28.4	27.5	26.5	25.9	25.1	24.1	22.9	20.9	18.9	16.8
85°	77.9	73.1	67.8	61.9	56.2	50.2	48.2	45.8	41.9	37.8	33.5
82.5°	145.4	138.4	131.1	122.9	113.9	104.3	94.2	83.4	70.3	57.7	50.2
80°	229.6	217.8	204.9	190.7	175.1	158.3	144.5	129.5	110.9	93.0	75.8
77.5°	325.4	305.4	283.8	265.4	246.2	225.5	203.2	178.1	151.1	127.9	105.6
75°	432.0	406.9	381.0	352.9	322.9	292.7	266.3	235.5	199.0	163.3	135.0
72.5°	564.7	525.8	485.7	444.4	408.5	371.6	333.6	292.0	249.1	207.1	166.3
70°	706.8	653.1	602.8	553.1	501.5	450.4	406.3	354.9	298.5	250.2	203.3
67.5°	858.1	799.5	735.4	665.1	602.9	542.5	480.6	418.3	355.2	292.5	239.6
65°	1030.0	955.8	875.8	798.6	716.2	635.5	566.2	484.0	410.7	341.5	275.1
62.5°	1218.9	1122.1	1035.0	937.9	841.5	746.4	649.0	556.4	466.8	389.3	314.6
60°	1432.9	1326.8	1204.5	1095.8	979.6	862.9	747.2	626.4	528.6	435.9	355.0
57.5°	1668.4	1543.6	1412.8	1269.1	1132.7	994.6	845.2	706.4	588.2	486.5	393.9
55°	1914.5	1774.3	1626.6	1468.5	1300.0	1140.6	948.2	788.2	648.5	536.5	430.0
52.5°	2190.1	2022.5	1852.0	1673.8	1488.3	1282.4	1062.6	865.4	716.1	584.3	468.3
50°	2507.6	2298.0	2095.7	1890.9	1679.2	1431.6	1169.6	957.7	779.5	632.5	504.8
47.5°	2869.8	2615.4	2364.7	2118.9	1884.7	1570.1	1287.3	1045.7	838.5	684.0	538.8
45°	3244.8	2964.6	2661.0	2376.6	2051.7	1710.3	1402.0	1126.8	909.9	728.9	570.1
42.5°	3621.4	3318.1	2992.2	2636.6	2223.1	1843.1	1506.7	1217.9	975.7	770.1	603.0
40°	4039.6	3670.4	3322.6	2878.2	2379.0	1964.0	1614.5	1303.3	1034.9	811.6	635.9
37.5°	4438.4	4030.2	3647.8	3062.5	2521.6	2087.6	1712.9	1379.8	1089.0	856.4	665.8
35°	4810.6	4378.9	3811.7	3212.5	2663.0	2192.2	1800.1	1451.9	1146.5	895.9	692.6
32.5°	5150.1	4602.4	3937.3	3329.4	2775.3	2277.7	1879.2	1516.1	1195.8	930.0	716.3
30°	5381.6	4686.0	4023.6	3414.0	2858.9	2360.5	1943.5	1569.4	1236.7	958.8	738.4
27.5°	5393.9	4724.8	4069.8	3466.7	2916.5	2421.2	1992.4	1611.7	1269.4	985.5	761.3
25°	5351.6	4707.7	4076.5	3486.3	2947.0	2470.9	2029.9	1643.5	1299.5	1011.5	779.9
22.5°	5252.6	4647.1	4045.8	3473.1	2980.4	2505.2	2061.0	1670.6	1323.7	1031.1	794.5
20°	5127.7	4548.6	3994.2	3486.0	2997.3	2527.1	2084.3	1688.1	1339.4	1044.5	805.0
17.5°	4974.7	4470.4	3985.5	3483.6	2997.2	2533.6	2094.8	1696.2	1346.9	1051.7	811.6
15°	4904.3	4439.8	3959.3	3465.0	2980.8	2525.1	2093.0	1695.1	1346.4	1053.2	816.1
12.5°	4847.8	4391.6	3916.9	3430.3	2948.3	2502.3	2079.1	1685.1	1338.3	1053.2	819.5
10°	4776.2	4325.9	3858.2	3379.7	2900.6	2465.8	2053.9	1669.7	1334.3	1051.5	819.7
7.5°	4689.0	4242.8	3783.3	3313.4	2843.3	2424.9	2028.0	1652.7	1325.8	1045.3	816.9
5°	4587.8	4151.1	3702.9	3249.9	2799.6	2381.6	1993.8	1627.3	1311.8	1034.9	811.1
2.5°	4478.4	4056.4	3612.8	3173.0	2744.5	2327.8	1950.4	1594.5	1292.3	1020.5	802.6
0°	4351.4	3945.6	3507.6	3081.7	2677.9	2264.1	1898.5	1554.9	1267.7	1002.5	791.5
-2.5°	4239.9	3823.8	3394.3	2982.7	2580.9	2187.8	1841.9	1515.1	1240.4	984.8	779.9
-5°	4110.2	3686.4	3267.6	2871.0	2473.7	2103.5	1778.5	1470.1	1208.7	963.9	765.9
-7.5°	3919.7	3518.3	3123.4	2745.5	2357.8	2012.6	1709.2	1420.5	1173.2	940.2	749.9
-10°	3705.0	3328.0	2959.9	2603.6	2245.1	1922.8	1636.1	1367.1	1134.1	913.9	731.9
-12.5°	3478.1	3127.5	2787.4	2454.9	2128.9	1834.3	1566.0	1314.7	1092.5	885.1	712.2
-15°	3240.6	2918.5	2607.3	2301.1	2008.9	1741.4	1492.6	1261.1	1051.5	855.7	690.8
-17.5°	2998.8	2702.7	2420.8	2143.9	1886.4	1644.7	1416.6	1204.9	1008.2	826.3	669.5
-20°	2778.1	2501.1	2230.8	1984.8	1762.9	1545.3	1338.8	1146.3	963.1	795.2	647.8



REPORT NUMBER: P558978 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-927-U-WAF-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	2558.0	2315.0	2071.0	1836.9	1641.7	1443.7	1260.1	1086.0	916.4	762.8	624.6
-25°	2338.9	2130.0	1915.0	1714.1	1524.3	1349.3	1183.9	1024.2	868.5	729.3	600.0
-27.5°	2132.4	1949.7	1758.3	1590.9	1421.7	1256.5	1110.5	965.5	822.1	694.8	574.2
-30°	1935.5	1777.5	1617.7	1470.4	1320.2	1175.6	1037.0	907.0	779.8	661.5	547.1
-32.5°	1753.5	1607.5	1483.5	1358.6	1226.9	1095.3	968.8	848.8	737.2	628.3	521.8
-35°	1584.4	1462.3	1353.3	1250.4	1136.9	1022.4	906.4	791.2	694.7	594.1	496.9
-37.5°	1423.4	1333.6	1240.2	1148.7	1047.3	950.9	847.6	743.6	652.4	559.0	471.5
-40°	1291.0	1214.4	1136.4	1052.5	967.8	881.0	788.6	698.5	611.2	523.2	445.6
-42.5°	1164.9	1105.3	1038.1	959.0	894.0	816.4	730.6	652.6	571.3	490.9	419.4
-45°	1052.6	1002.1	944.8	885.5	823.2	752.4	679.3	606.4	531.4	460.6	394.0
-47.5°	946.9	909.3	862.8	813.2	755.7	690.9	627.6	562.2	491.6	430.3	369.7
-50°	857.8	825.4	788.0	743.0	689.5	634.6	576.7	518.3	458.0	400.4	344.9
-52.5°	780.4	749.5	716.0	674.6	629.0	578.1	529.8	475.2	423.9	371.4	319.6
-55°	707.8	677.5	646.8	611.4	570.5	528.0	483.5	437.0	389.2	342.5	294.3
-57.5°	639.2	609.7	583.3	551.6	517.2	480.2	440.0	398.3	356.0	313.1	271.8
-60°	573.3	549.2	523.3	497.1	467.2	433.6	397.6	360.1	322.9	284.2	249.1
-62.5°	512.7	491.0	469.5	445.8	418.3	387.9	355.4	323.6	289.5	258.1	226.0
-65°	455.7	437.9	417.4	395.0	369.9	343.3	315.9	286.9	259.4	231.8	202.7
-67.5°	401.4	384.9	365.0	344.3	324.4	302.1	276.6	253.3	230.0	205.1	179.8
-70°	348.4	332.3	315.7	299.9	282.0	261.6	241.3	221.0	200.3	179.6	156.8
-72.5°	297.2	284.5	271.2	256.9	241.4	224.7	206.7	189.0	172.5	154.0	133.6
-75°	247.5	237.7	227.4	215.8	202.2	187.8	173.8	159.5	144.8	128.4	113.0
-77.5°	199.7	192.1	183.9	175.5	165.1	154.0	142.2	129.9	117.9	106.0	93.3
-80°	154.6	149.7	144.2	137.7	129.2	120.2	111.7	102.9	93.8	84.0	73.5
-82.5°	112.7	109.4	105.5	101.0	95.2	89.3	83.1	76.8	69.6	61.8	54.3
-85°	74.5	71.9	68.9	65.4	61.9	58.3	54.7	50.9	46.1	41.2	36.2
-87.5°	37.0	35.5	34.0	32.3	30.8	29.1	27.4	25.5	23.1	20.6	18.1
-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: P558978 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-927-U-WAF-XX

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°	14.6	12.3	9.9	7.5	5.1	2.5	0.0
85°	29.1	24.6	19.9	15.1	10.1	5.0	0.0
82.5°	43.6	36.8	29.8	22.6	15.2	7.5	0.0
80°	59.3	49.0	39.6	30.0	20.2	9.9	0.0
77.5°	84.2	63.9	49.4	37.5	25.2	12.4	0.0
75°	108.8	83.7	60.1	44.8	30.1	14.8	0.0
72.5°	133.0	103.3	75.3	52.1	35.0	17.2	0.0
70°	157.6	122.5	90.2	59.9	39.8	19.6	0.0
67.5°	187.8	141.2	104.8	70.6	44.5	21.9	0.0
65°	217.1	162.1	119.0	80.9	49.1	24.2	0.0
62.5°	245.4	184.9	132.9	91.1	53.6	26.4	0.0
60°	272.7	206.9	146.4	100.9	58.0	28.6	0.0
57.5°	303.6	228.0	162.6	110.5	64.2	30.7	0.0
55°	333.5	248.2	178.3	119.7	70.2	32.8	0.0
52.5°	361.9	268.0	193.3	128.6	76.1	34.7	0.0
50°	388.6	289.7	207.6	137.1	81.7	36.7	0.0
47.5°	414.0	310.1	221.1	145.7	87.1	38.5	0.0
45°	440.6	329.2	233.8	155.2	92.3	40.3	0.0
42.5°	465.1	346.8	245.8	164.2	97.3	42.0	0.0
40°	487.4	363.1	257.8	172.7	102.0	43.6	0.0
37.5°	507.5	377.8	269.9	180.8	106.5	45.1	0.0
35°	525.5	392.5	280.9	188.3	110.7	46.6	0.0
32.5°	542.7	406.3	290.9	195.4	114.6	47.9	0.0
30°	561.2	418.4	299.8	201.8	118.2	49.2	0.0
27.5°	577.2	428.9	308.2	207.7	121.6	50.3	0.0
25°	590.8	437.6	315.7	213.1	124.7	51.4	0.0
22.5°	601.8	445.3	322.0	217.9	127.5	52.4	0.0
20°	610.4	452.9	327.4	222.1	129.9	53.2	0.0
17.5°	618.1	459.2	331.7	225.7	132.1	54.0	0.0
15°	624.3	464.1	335.1	228.8	134.0	54.6	0.0
12.5°	628.1	467.8	337.4	231.3	135.5	55.2	0.0
10°	629.6	470.0	338.8	233.2	136.8	55.6	0.0
7.5°	628.9	471.0	339.3	234.5	137.7	55.9	0.0
5°	626.1	470.7	338.9	235.2	138.3	56.2	0.0
2.5°	621.4	469.0	337.6	235.4	138.6	56.3	0.0
0°	614.7	466.1	335.5	235.0	138.6	56.3	0.0
-2.5°	607.7	461.7	333.9	233.9	138.3	56.4	0.0
-5°	598.9	456.1	331.5	232.3	137.6	56.3	0.0
-7.5°	588.6	449.4	328.3	230.2	136.7	56.2	0.0
-10°	576.8	441.6	324.4	227.5	135.4	56.0	0.0
-12.5°	563.6	432.9	319.8	224.4	133.9	55.6	0.0
-15°	549.0	423.3	314.5	220.7	132.1	55.1	0.0
-17.5°	533.1	412.9	308.4	216.6	130.0	54.6	0.0
-20°	516.7	401.8	301.7	212.0	127.7	53.9	0.0



REPORT NUMBER: P558978 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-927-U-WAF-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	500.2	390.0	294.2	207.0	125.1	53.1	0.0
-25°	482.7	378.3	286.2	201.6	122.2	52.2	0.0
-27.5°	464.3	366.0	277.5	195.7	119.2	51.2	0.0
-30°	445.2	352.9	268.2	189.5	115.8	50.1	0.0
-32.5°	425.2	339.2	258.6	182.9	112.3	48.8	0.0
-35°	406.6	324.7	248.4	175.9	108.6	47.5	0.0
-37.5°	388.2	310.1	237.8	168.6	104.6	46.1	0.0
-40°	369.1	296.1	226.8	160.9	100.5	44.6	0.0
-42.5°	349.4	281.6	215.8	153.0	96.1	43.0	0.0
-45°	329.1	266.7	204.9	144.8	91.6	41.3	0.0
-47.5°	308.2	251.4	193.6	136.4	87.0	39.5	0.0
-50°	289.1	235.7	181.9	128.8	82.1	37.7	0.0
-52.5°	270.0	219.6	169.8	121.3	77.2	35.7	0.0
-55°	250.6	204.0	157.4	113.6	72.1	33.7	0.0
-57.5°	230.9	188.3	144.7	105.7	66.8	31.6	0.0
-60°	211.1	172.2	131.9	97.6	61.4	29.4	0.0
-62.5°	191.7	155.8	120.9	89.3	56.9	27.2	0.0
-65°	172.0	139.2	109.8	80.9	52.1	24.9	0.0
-67.5°	152.0	123.7	98.5	72.3	47.3	22.6	0.0
-70°	131.7	109.5	86.9	63.6	42.3	20.2	0.0
-72.5°	114.3	95.2	75.3	55.7	37.3	17.8	0.0
-75°	97.1	80.6	63.5	47.9	32.1	15.3	0.0
-77.5°	79.8	66.0	52.9	40.0	26.9	12.8	0.0
-80°	62.4	52.4	42.4	32.1	21.6	10.3	0.0
-82.5°	46.7	39.4	31.9	24.1	16.2	7.7	0.0
-85°	31.2	26.3	21.3	16.1	10.8	5.2	0.0
-87.5°	15.6	13.2	10.6	8.1	5.4	2.6	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)