

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: P558970 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA4D-940-U-WAF-XX**

Issue Date: 7/20/2021

Test Information

Test Method: LM-79-08
Report Number: P558970 (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-SA4D-940-U-WAF-XX
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, WIDE ASYMMETRICAL FLOOD 6x7
Light Source: (64) 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

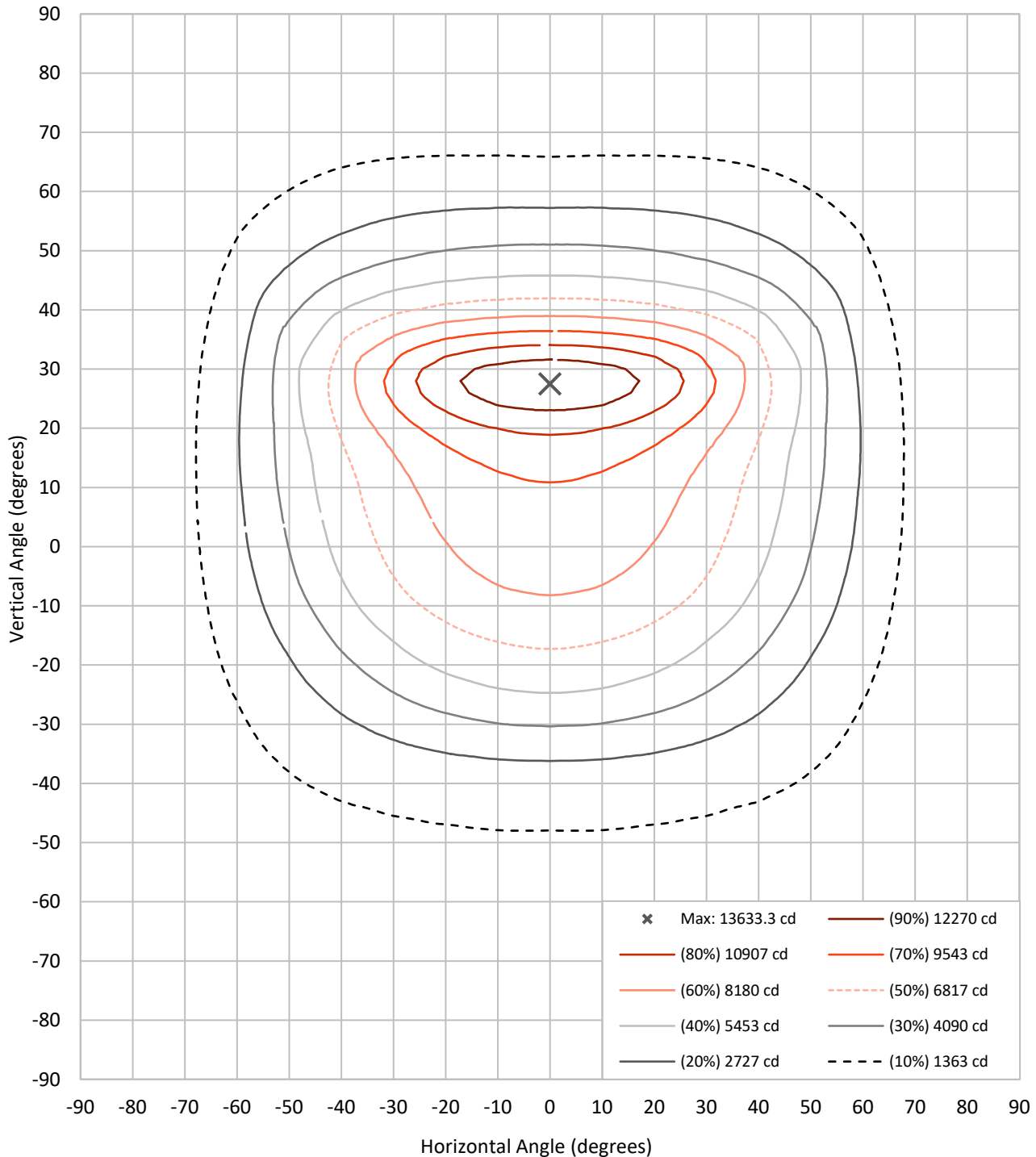
Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	19875 lumens	Max Intensity:	13633.3 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 27.5°V
Efficacy:	91.6 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')		
Beam Angle (50%):	85°H x 59.2°V	Field Angle (10%):	134.5°H x 113.8°V
Beam Lumens:	10308.1 lumens	Field Lumens:	18386.1 lumens
Beam Efficiency:	51.9%	Field Efficiency:	92.5%

Input Watts (W): 217
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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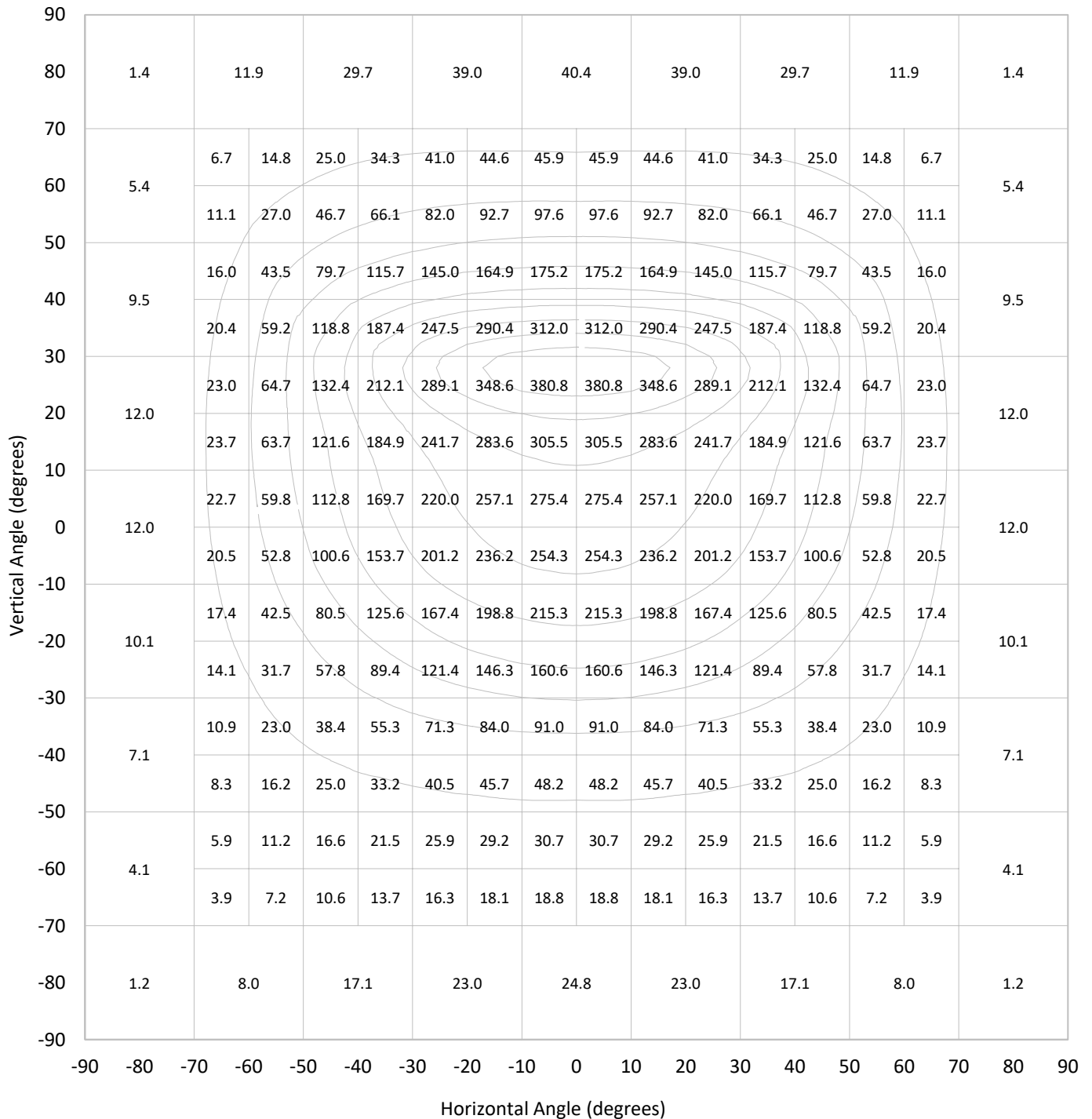
Iso-Candela Plot





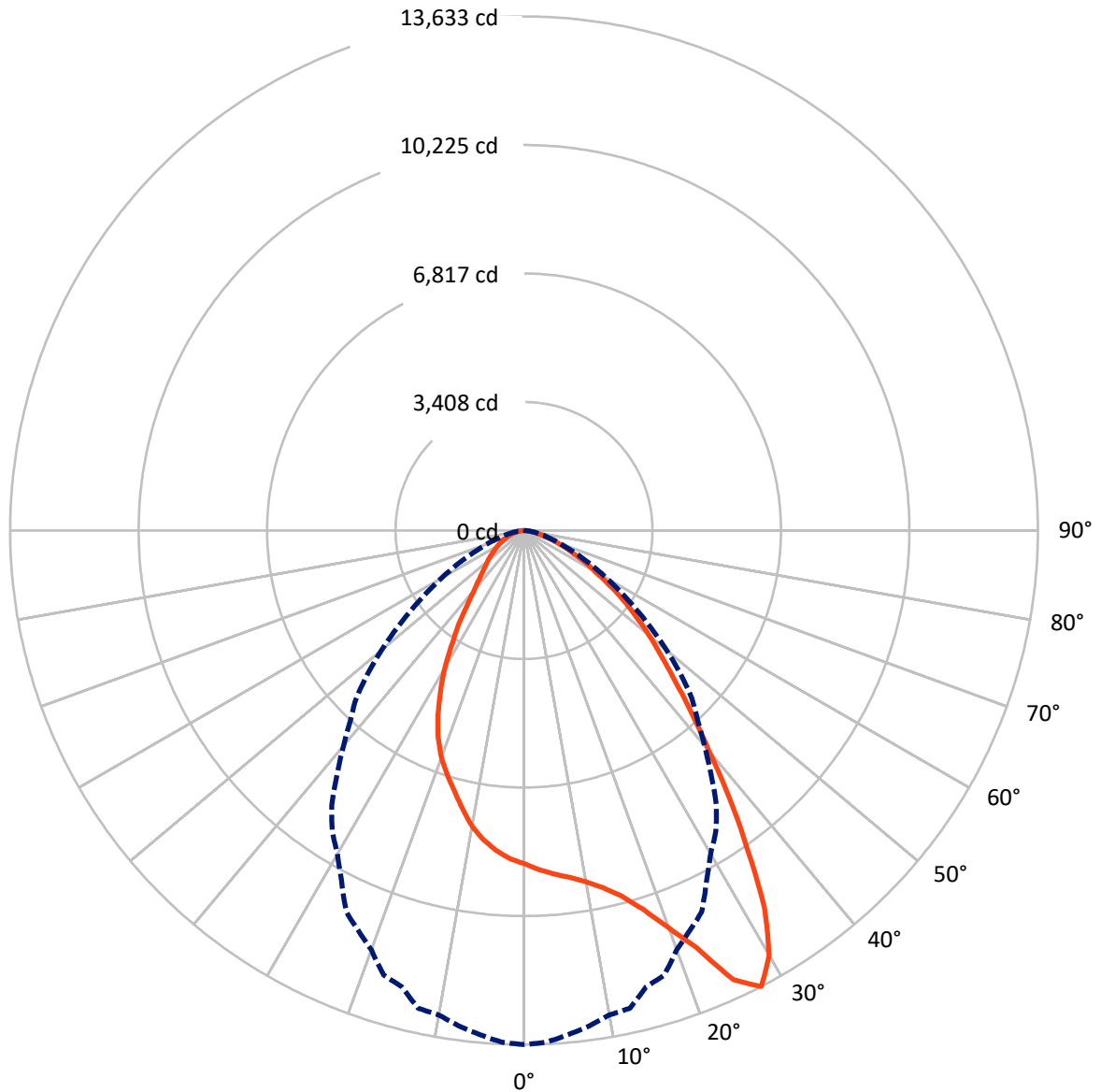
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Lumen Table



REPORT NUMBER: P558970 (CONVERTED FROM TYPE C PHOTOMETRY)
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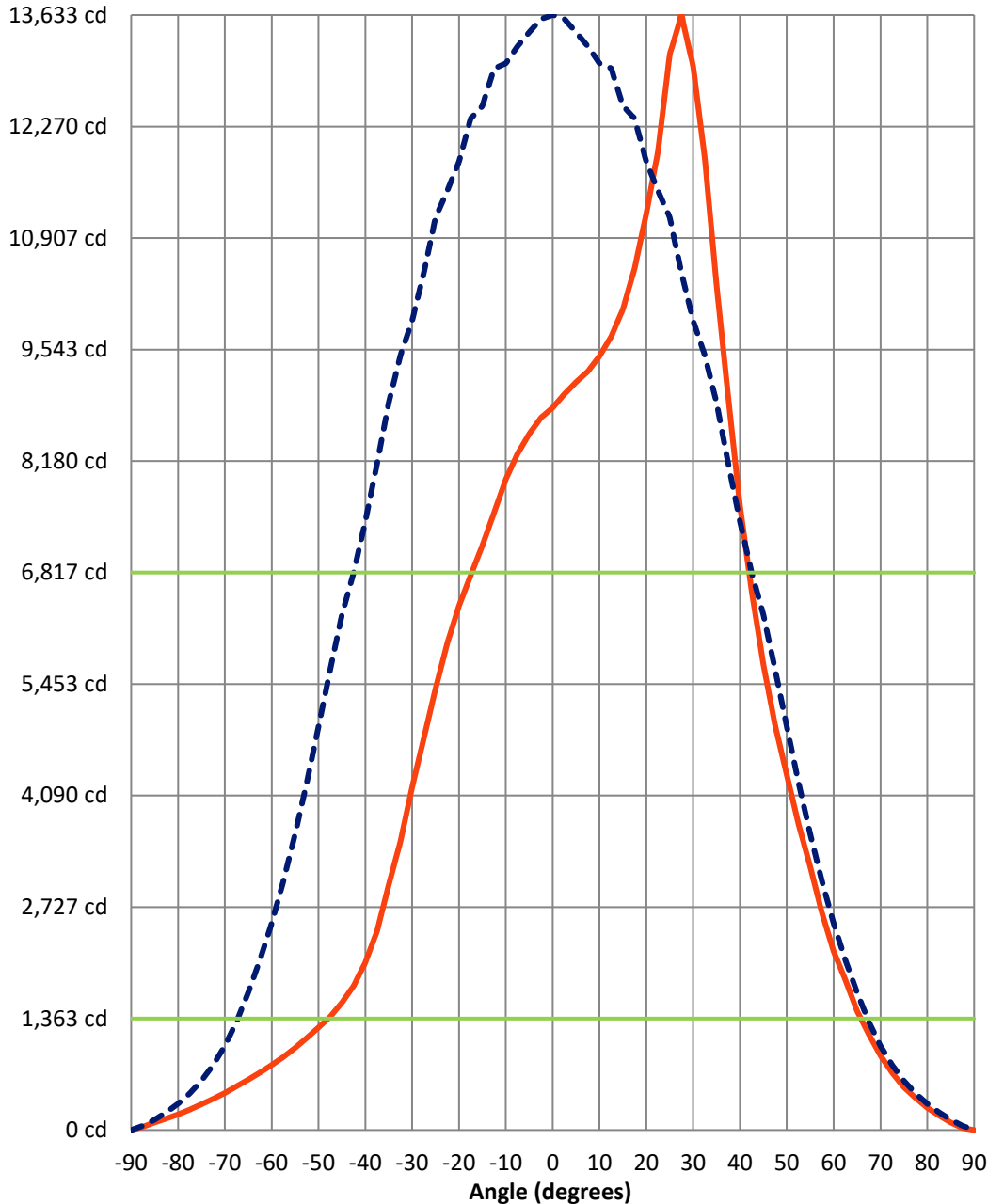
Luminous Intensity Polar Plot



— 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: 10308.1
 Efficiency: 51.9%

Field:
 H Angle: 134.5°
 V Angle: 113.8°
 Lumens: 18386.1
 Efficiency: 92.5%

Spill:
 Lumens: 1488.9
 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	2.6	5.3	7.9	10.4	12.8	15.2	17.5	19.7	21.9	23.9
85°	0.0	5.2	10.6	15.7	20.7	25.6	30.4	35.0	39.4	43.7	47.8
82.5°	0.0	7.8	15.8	23.5	31.0	38.4	45.5	52.4	60.2	73.4	87.1
80°	0.0	10.4	21.1	31.3	41.3	51.1	61.9	79.1	97.1	115.8	135.2
77.5°	0.0	12.9	26.3	39.1	51.5	66.6	87.9	110.2	133.5	157.8	186.0
75°	0.0	15.5	31.4	46.7	62.7	87.3	113.6	141.0	170.5	207.7	245.9
72.5°	0.0	17.9	36.5	54.3	78.5	107.8	138.8	173.6	216.2	260.0	304.9
70°	0.0	20.4	41.5	62.5	94.1	127.8	164.5	212.2	261.1	311.6	370.4
67.5°	0.0	22.8	46.4	73.6	109.4	147.5	196.0	250.1	305.3	370.7	436.6
65°	0.0	25.2	51.2	84.5	124.3	169.3	226.6	287.1	356.5	428.7	505.2
62.5°	0.0	27.5	55.9	95.0	138.8	193.0	256.2	328.3	406.4	487.3	580.7
60°	0.0	29.8	60.5	105.3	152.8	215.9	284.6	370.6	455.0	551.8	653.8
57.5°	0.0	32.0	66.9	115.3	169.7	237.9	316.9	411.1	507.8	614.0	737.3
55°	0.0	34.2	73.2	125.0	186.1	259.0	348.2	448.8	560.0	676.9	822.8
52.5°	0.0	36.2	79.4	134.3	201.8	279.7	377.8	488.9	609.9	747.4	903.4
50°	0.0	38.2	85.2	143.2	216.7	302.4	405.6	527.0	660.3	813.6	999.7
47.5°	0.0	40.2	90.9	152.1	230.8	323.7	432.2	562.4	714.0	875.3	1091.6
45°	0.0	42.0	96.3	162.0	244.1	343.6	459.9	595.2	760.8	949.8	1176.2
42.5°	0.0	43.8	101.5	171.4	256.5	362.1	485.5	629.4	803.8	1018.5	1271.4
40°	0.0	45.5	106.5	180.3	269.1	379.0	508.8	663.8	847.1	1080.3	1360.6
37.5°	0.0	47.1	111.1	188.7	281.7	394.4	529.8	695.0	893.9	1136.8	1440.4
35°	0.0	48.6	115.5	196.6	293.2	409.8	548.5	723.0	935.2	1196.9	1515.7
32.5°	0.0	50.0	119.6	203.9	303.6	424.2	566.6	747.7	970.8	1248.2	1582.7
30°	0.0	51.3	123.4	210.7	312.9	436.8	585.9	770.8	1000.8	1291.0	1638.2
27.5°	0.0	52.5	126.9	216.9	321.7	447.7	602.6	794.6	1028.7	1325.1	1682.4
25°	0.0	53.6	130.2	222.5	329.5	456.9	616.7	814.1	1055.9	1356.5	1715.6
22.5°	0.0	54.6	133.1	227.5	336.2	464.9	628.2	829.3	1076.3	1381.8	1743.9
20°	0.0	55.5	135.7	231.9	341.8	472.8	637.1	840.2	1090.3	1398.2	1762.2
17.5°	0.0	56.3	137.9	235.7	346.3	479.4	645.2	847.1	1097.9	1406.0	1770.7
15°	0.0	57.0	139.9	238.9	349.8	484.5	651.7	851.9	1099.4	1405.5	1769.6
12.5°	0.0	57.5	141.5	241.4	352.2	488.3	655.7	855.4	1099.4	1397.0	1759.1
10°	0.0	58.0	142.8	243.4	353.7	490.7	657.3	855.7	1097.6	1392.8	1743.1
7.5°	0.0	58.3	143.8	244.8	354.2	491.7	656.5	852.7	1091.2	1384.0	1725.3
5°	0.0	58.6	144.4	245.6	353.7	491.3	653.6	846.7	1080.3	1369.3	1698.8
2.5°	0.0	58.7	144.7	245.8	352.4	489.6	648.6	837.9	1065.3	1349.0	1664.5
0°	0.0	58.7	144.7	245.4	350.2	486.5	641.7	826.3	1046.5	1323.3	1623.2
-2.5°	0.0	58.8	144.4	244.3	348.5	481.9	634.3	814.1	1028.0	1294.8	1581.6
-5°	0.0	58.8	143.7	242.6	346.0	476.1	625.3	799.6	1006.2	1261.7	1534.6
-7.5°	0.0	58.6	142.7	240.4	342.7	469.1	614.5	782.9	981.5	1224.6	1482.9
-10°	0.0	58.3	141.4	237.6	338.7	461.0	602.2	764.1	954.0	1183.8	1427.1
-12.5°	0.0	58.0	139.8	234.3	333.8	451.9	588.3	743.5	924.0	1140.4	1372.4
-15°	0.0	57.5	137.9	230.5	328.2	441.9	573.1	721.2	893.3	1097.6	1316.5
-17.5°	0.0	56.9	135.7	226.2	321.9	431.1	556.5	698.9	862.6	1052.5	1257.7
-20°	0.0	56.2	133.3	221.4	314.9	419.5	539.4	676.3	830.2	1005.3	1196.6



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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	55.3	130.6	216.1	307.1	407.2	522.2	652.1	796.4	956.6	1133.6
-25°	0.0	54.4	127.6	210.4	298.7	394.9	503.9	626.4	761.3	906.6	1069.1
-27.5°	0.0	53.4	124.4	204.3	289.6	382.1	484.8	599.4	725.4	858.2	1007.9
-30°	0.0	52.2	120.9	197.8	279.9	368.4	464.7	571.1	690.6	814.0	946.8
-32.5°	0.0	50.9	117.2	190.9	269.9	354.1	443.9	544.8	655.9	769.6	886.1
-35°	0.0	49.6	113.3	183.6	259.4	338.9	424.5	518.7	620.2	725.3	825.9
-37.5°	0.0	48.1	109.2	176.0	248.3	323.7	405.3	492.2	583.6	681.1	776.3
-40°	0.0	46.5	104.9	168.0	236.8	309.1	385.3	465.2	546.2	638.0	729.2
-42.5°	0.0	44.8	100.3	159.7	225.3	294.0	364.7	437.8	512.5	596.5	681.3
-45°	0.0	43.1	95.6	151.2	213.9	278.4	343.5	411.2	480.8	554.8	633.0
-47.5°	0.0	41.2	90.8	142.3	202.1	262.4	321.7	385.9	449.2	513.1	586.9
-50°	0.0	39.3	85.7	134.4	189.9	246.0	301.8	360.0	417.9	478.1	541.0
-52.5°	0.0	37.2	80.5	126.6	177.3	229.3	281.9	333.7	387.6	442.5	496.0
-55°	0.0	35.1	75.2	118.6	164.3	213.0	261.6	307.3	357.5	406.2	456.1
-57.5°	0.0	33.0	69.7	110.3	151.1	196.6	241.1	283.8	326.9	371.6	415.7
-60°	0.0	30.7	64.1	101.9	137.6	179.8	220.4	260.0	296.7	337.1	375.9
-62.5°	0.0	28.4	59.3	93.2	126.2	162.7	200.1	235.9	269.5	302.3	337.8
-65°	0.0	26.0	54.4	84.4	114.6	145.3	179.5	211.7	242.0	270.8	299.5
-67.5°	0.0	23.6	49.3	75.4	102.7	129.1	158.6	187.7	214.1	240.1	264.4
-70°	0.0	21.1	44.2	66.3	90.7	114.3	137.5	163.6	187.5	209.1	230.6
-72.5°	0.0	18.5	38.9	58.1	78.6	99.3	119.3	139.4	160.8	180.1	197.3
-75°	0.0	16.0	33.5	50.0	66.3	84.1	101.4	117.9	134.0	151.1	166.4
-77.5°	0.0	13.4	28.0	41.8	55.1	68.9	83.3	97.4	110.7	123.1	135.6
-80°	0.0	10.7	22.5	33.5	44.2	54.7	65.1	76.7	87.6	97.9	107.5
-82.5°	0.0	8.1	16.9	25.2	33.2	41.1	48.7	56.6	64.5	72.6	80.1
-85°	0.0	5.4	11.3	16.8	22.2	27.4	32.5	37.8	43.0	48.1	53.1
-87.5°	0.0	2.7	5.7	8.4	11.1	13.7	16.3	18.9	21.5	24.1	26.6
-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: P558970 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-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°	25.2	26.2	27.0	27.7	28.7	29.6	30.4	31.1	31.7	32.1	32.4
85°	50.3	52.4	58.7	64.5	70.7	76.3	81.3	85.7	89.3	92.2	94.4
82.5°	98.4	108.9	118.9	128.2	136.8	144.5	151.8	160.2	167.0	172.7	177.4
80°	150.9	165.3	182.8	199.1	213.8	227.3	239.6	250.7	259.3	268.0	276.4
77.5°	212.2	235.4	257.0	277.0	296.3	318.8	339.6	358.7	373.4	384.5	393.1
75°	278.0	305.5	337.1	368.3	397.7	424.7	450.9	482.9	508.9	528.5	544.1
72.5°	348.3	387.9	426.5	463.9	507.0	548.9	589.5	628.8	663.3	688.6	709.2
70°	424.1	470.2	523.5	577.4	629.2	681.8	737.9	788.9	831.1	861.0	889.4
67.5°	501.6	566.3	629.3	694.3	767.7	834.6	895.8	960.4	1017.3	1054.8	1087.5
65°	591.0	663.3	747.6	833.6	914.2	997.8	1075.2	1145.2	1217.0	1269.2	1312.1
62.5°	677.4	779.1	878.5	979.1	1080.4	1171.3	1272.3	1362.5	1434.7	1509.4	1573.4
60°	779.9	900.8	1022.6	1143.9	1257.3	1385.0	1495.8	1600.5	1697.0	1780.3	1859.1
57.5°	882.3	1038.3	1182.4	1324.7	1474.8	1611.3	1741.5	1858.8	1974.3	2070.7	2165.2
55°	989.9	1190.7	1357.0	1532.9	1697.9	1852.1	1998.5	2145.4	2268.4	2401.2	2516.7
52.5°	1109.3	1338.7	1553.6	1747.2	1933.3	2111.2	2286.2	2463.0	2635.8	2773.4	2904.0
50°	1220.9	1494.4	1752.9	1973.9	2187.7	2398.8	2617.6	2838.7	3029.1	3186.5	3322.4
47.5°	1343.8	1639.0	1967.4	2211.9	2468.4	2730.1	2995.7	3239.9	3447.3	3661.5	3811.6
45°	1463.5	1785.3	2141.7	2480.9	2777.7	3094.7	3387.2	3656.5	3957.2	4191.1	4391.7
42.5°	1572.8	1924.0	2320.7	2752.3	3123.5	3463.7	3780.2	4159.2	4504.6	4778.1	5028.4
40°	1685.3	2050.1	2483.4	3004.5	3468.4	3831.4	4216.8	4635.6	5085.1	5421.6	5720.8
37.5°	1788.1	2179.2	2632.2	3196.9	3807.8	4207.0	4633.1	5087.5	5600.0	6106.1	6465.8
35°	1879.1	2288.5	2779.9	3353.4	3978.9	4571.1	5021.7	5505.6	6066.4	6723.2	7214.4
32.5°	1961.6	2377.7	2897.1	3475.5	4110.1	4804.4	5376.1	5872.9	6435.6	7113.3	7947.3
30°	2028.9	2464.1	2984.4	3563.7	4200.2	4891.6	5617.8	6159.0	6693.0	7358.1	8134.3
27.5°	2079.9	2527.5	3044.4	3618.8	4248.4	4932.1	5630.5	6298.3	6815.3	7441.1	8147.0
25°	2119.1	2579.4	3076.3	3639.3	4255.4	4914.3	5586.4	6218.4	6798.7	7350.4	7983.8
22.5°	2151.5	2615.2	3111.2	3625.5	4223.3	4851.0	5483.1	6085.7	6647.4	7163.8	7708.8
20°	2175.8	2638.1	3128.8	3639.0	4169.4	4748.2	5352.7	5926.2	6468.8	6968.9	7412.3
17.5°	2186.8	2644.8	3128.8	3636.5	4160.4	4666.7	5193.0	5744.2	6277.6	6774.5	7212.6
15°	2184.9	2636.0	3111.6	3617.1	4133.1	4634.6	5119.5	5574.3	6071.0	6573.3	7009.9
12.5°	2170.4	2612.1	3077.7	3580.9	4088.8	4584.3	5060.5	5517.1	5962.4	6383.1	6800.6
10°	2144.0	2574.0	3027.9	3528.0	4027.5	4515.7	4985.8	5443.9	5884.6	6297.6	6686.3
7.5°	2117.0	2531.3	2968.1	3458.8	3949.3	4429.0	4894.8	5353.7	5785.9	6198.1	6590.5
5°	2081.3	2486.1	2922.4	3392.6	3865.3	4333.3	4789.1	5245.8	5666.5	6082.4	6476.4
2.5°	2036.0	2429.9	2864.9	3312.3	3771.4	4234.4	4674.9	5123.0	5554.4	5954.1	6342.3
0°	1981.8	2363.4	2795.4	3217.0	3661.5	4118.7	4542.3	4980.6	5429.4	5806.9	6186.5
-2.5°	1922.8	2283.8	2694.1	3113.6	3543.2	3991.6	4425.9	4841.4	5280.4	5661.9	6049.5
-5°	1856.6	2195.8	2582.3	2996.9	3411.0	3848.1	4290.6	4685.6	5104.9	5482.2	5863.4
-7.5°	1784.2	2100.9	2461.2	2865.8	3260.4	3672.6	4091.7	4471.8	4879.3	5252.5	5623.9
-10°	1707.9	2007.2	2343.6	2717.8	3089.7	3474.0	3867.6	4239.8	4631.7	5003.4	5360.7
-12.5°	1634.7	1914.8	2222.3	2562.6	2909.7	3264.7	3630.8	3990.1	4361.8	4735.3	5069.4
-15°	1558.1	1817.8	2097.0	2402.1	2721.7	3046.6	3382.8	3722.9	4071.7	4437.1	4745.7
-17.5°	1478.8	1716.9	1969.2	2238.0	2527.1	2821.3	3130.4	3458.6	3777.8	4110.7	4409.1
-20°	1397.6	1613.1	1840.3	2071.9	2328.7	2610.9	2900.0	3194.5	3484.6	3774.5	4054.8



REPORT NUMBER: P558970 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-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°	1315.4	1507.0	1713.8	1917.6	2161.9	2416.6	2670.3	2926.0	3186.2	3435.8	3701.0
-25°	1235.9	1408.5	1591.2	1789.3	1999.0	2223.5	2441.6	2657.7	2888.5	3122.4	3350.7
-27.5°	1159.3	1311.6	1484.0	1660.8	1835.5	2035.3	2226.1	2409.3	2610.7	2817.0	3001.4
-30°	1082.5	1227.2	1378.1	1535.0	1688.7	1855.5	2020.4	2181.1	2345.2	2521.9	2681.6
-32.5°	1011.2	1143.4	1280.8	1418.2	1548.7	1678.1	1830.5	1973.2	2107.5	2233.4	2372.8
-35°	946.2	1067.3	1186.7	1305.2	1412.7	1526.5	1654.0	1774.2	1881.9	1983.0	2089.6
-37.5°	884.8	992.6	1093.2	1199.1	1294.7	1392.1	1485.9	1590.0	1677.3	1758.1	1845.5
-40°	823.2	919.6	1010.2	1098.7	1186.3	1267.7	1347.7	1418.5	1488.8	1566.4	1626.6
-42.5°	762.6	852.1	933.2	1001.1	1083.7	1153.8	1216.0	1274.7	1332.2	1392.7	1440.9
-45°	709.1	785.4	859.3	924.3	986.3	1046.0	1098.8	1144.9	1199.3	1241.4	1277.7
-47.5°	655.1	721.2	788.8	848.8	900.6	949.2	988.4	1034.7	1079.3	1115.4	1136.6
-50°	602.0	662.4	719.7	775.6	822.5	861.5	895.4	933.4	970.5	1001.1	1021.4
-52.5°	553.1	603.5	656.6	704.2	747.4	782.4	814.7	847.8	874.9	895.9	922.5
-55°	504.7	551.2	595.5	638.2	675.2	707.2	738.8	768.2	791.5	809.7	831.6
-57.5°	459.3	501.2	539.9	575.7	608.9	636.4	667.2	692.4	714.0	731.0	753.6
-60°	415.0	452.5	487.7	518.9	546.2	573.3	598.4	621.5	640.4	657.3	678.0
-62.5°	371.1	404.9	436.6	465.3	490.1	512.5	535.2	554.8	570.6	588.1	605.3
-65°	329.8	358.4	386.1	412.3	435.7	457.1	475.7	491.6	506.4	521.9	535.8
-67.5°	288.7	315.4	338.6	359.4	381.0	401.7	419.0	433.7	446.1	458.7	470.3
-70°	251.9	273.1	294.3	313.1	329.5	346.8	363.6	377.4	388.4	398.4	407.9
-72.5°	215.7	234.5	252.0	268.2	283.2	297.0	310.2	322.7	333.0	340.8	347.6
-75°	181.4	196.0	211.1	225.2	237.4	248.2	258.3	268.4	276.8	283.4	288.8
-77.5°	148.4	160.8	172.3	183.2	192.0	200.5	208.4	215.7	222.1	227.2	230.9
-80°	116.6	125.5	134.9	143.7	150.5	156.3	161.3	165.6	170.4	175.3	179.6
-82.5°	86.8	93.2	99.4	105.4	110.2	114.1	117.6	120.9	124.4	127.6	130.4
-85°	57.1	60.8	64.6	68.2	71.8	75.0	77.7	80.1	81.9	83.6	84.9
-87.5°	28.6	30.4	32.1	33.7	35.4	37.1	38.6	40.0	41.0	41.8	42.4
-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: P558970 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-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°	32.6	32.7	32.7	32.6	32.4	31.1	29.6	28.1	26.4	27.2	27.9
85°	96.1	96.5	96.2	95.3	93.8	93.7	93.3	92.7	91.8	93.2	94.4
82.5°	180.9	182.3	182.5	181.6	179.8	180.6	180.9	180.5	179.4	180.7	181.5
80°	282.8	285.5	285.6	283.7	279.8	280.4	280.7	279.8	278.0	278.4	278.3
77.5°	402.9	409.1	411.3	410.3	406.5	405.3	402.6	397.1	389.0	388.9	389.1
75°	556.0	562.3	565.6	565.4	561.7	559.2	555.7	549.4	540.5	540.1	540.2
72.5°	725.0	734.3	738.5	742.3	742.3	740.9	736.4	727.0	713.1	711.4	713.1
70°	911.6	927.3	937.3	945.0	951.0	952.3	949.3	941.7	929.6	926.3	925.4
67.5°	1119.5	1144.6	1163.6	1176.3	1188.2	1196.8	1200.0	1196.6	1186.8	1183.6	1184.9
65°	1352.5	1391.3	1423.3	1447.2	1463.3	1474.7	1484.6	1490.5	1492.0	1495.4	1500.0
62.5°	1624.7	1672.3	1716.8	1747.1	1762.7	1773.7	1805.7	1824.1	1829.4	1830.5	1837.6
60°	1928.7	1988.8	2044.3	2088.9	2125.0	2152.3	2179.5	2197.4	2204.1	2205.5	2215.2
57.5°	2261.0	2336.5	2401.5	2470.6	2518.8	2546.7	2583.0	2620.5	2640.0	2645.6	2668.7
55°	2628.6	2731.8	2816.1	2889.9	2957.2	3016.3	3066.4	3105.0	3133.5	3150.7	3181.2
52.5°	3035.2	3156.4	3244.5	3331.3	3427.7	3495.7	3540.2	3611.6	3663.3	3691.7	3728.1
50°	3481.7	3616.6	3736.7	3827.7	3939.9	4032.7	4100.5	4168.1	4215.4	4242.4	4277.6
47.5°	3989.8	4156.1	4295.4	4379.7	4509.9	4619.4	4663.5	4714.5	4803.7	4846.5	4884.2
45°	4562.1	4774.0	4928.9	5060.8	5172.8	5295.4	5375.8	5433.8	5521.6	5565.7	5593.5
42.5°	5242.8	5478.7	5682.7	5841.0	5935.1	6094.3	6210.4	6243.0	6367.4	6451.8	6476.6
40°	6006.3	6267.8	6536.9	6717.4	6868.9	7030.5	7222.0	7328.7	7433.9	7516.6	7535.3
37.5°	6802.0	7152.0	7459.1	7692.1	7942.6	8181.1	8384.1	8494.7	8563.8	8722.0	8781.1
35°	7610.8	7972.0	8402.2	8764.3	9067.9	9362.3	9593.9	9776.2	9949.9	10092.3	10177.7
32.5°	8299.6	8688.3	9219.5	9761.6	10089.4	10408.2	10788.6	10997.2	11228.9	11416.7	11553.7
30°	8865.6	9235.2	9718.8	10399.1	10847.9	11171.0	11652.5	11940.9	12193.3	12511.4	12622.1
27.5°	8892.4	9470.0	9897.7	10483.6	11157.1	11485.1	11841.4	12365.7	12524.8	12978.4	13043.8
25°	8659.0	9265.4	9705.0	10194.0	10754.0	11153.0	11478.4	11914.4	12142.6	12434.4	12658.5
22.5°	8293.9	8828.4	9276.8	9691.5	10128.5	10491.7	10789.1	11095.6	11346.1	11572.5	11782.8
20°	7890.7	8398.1	8823.3	9179.9	9526.2	9863.0	10130.5	10387.9	10604.6	10798.9	10918.6
17.5°	7606.8	7971.8	8406.2	8771.6	9071.8	9336.2	9612.9	9828.3	10018.4	10193.3	10302.6
15°	7413.0	7760.0	8069.3	8404.5	8721.0	8973.0	9181.3	9403.6	9567.9	9718.4	9836.9
12.5°	7211.7	7569.3	7893.0	8172.2	8420.0	8695.2	8917.8	9092.7	9265.0	9383.2	9505.0
10°	7043.6	7378.2	7714.0	8008.8	8269.4	8496.2	8707.0	8903.2	9057.8	9190.4	9286.4
7.5°	6946.1	7274.2	7575.9	7858.9	8112.9	8354.5	8572.0	8751.8	8905.1	9042.3	9142.8
5°	6833.0	7157.8	7459.0	7748.1	7992.1	8224.3	8440.9	8625.9	8784.5	8906.8	9002.9
2.5°	6703.3	7023.7	7324.1	7618.1	7862.0	8085.9	8290.9	8471.3	8636.6	8753.0	8834.9
0°	6555.6	6876.4	7170.0	7446.8	7692.2	7933.4	8122.1	8304.5	8466.0	8581.4	8663.2
-2.5°	6406.5	6725.4	7029.3	7294.5	7538.1	7760.7	7961.6	8134.0	8288.2	8403.1	8474.8
-5°	6208.4	6525.4	6825.3	7092.6	7347.0	7570.5	7765.8	7941.0	8089.6	8214.8	8312.2
-7.5°	5968.5	6289.1	6588.7	6861.6	7114.7	7326.0	7513.5	7690.0	7848.6	7985.5	8105.3
-10°	5704.8	6021.8	6304.9	6560.5	6796.4	7011.2	7210.7	7385.1	7530.4	7664.4	7765.3
-12.5°	5397.7	5691.2	5968.1	6220.0	6450.7	6665.7	6855.4	7021.6	7167.9	7286.7	7377.6
-15°	5058.7	5337.3	5599.6	5857.1	6098.6	6310.4	6477.3	6652.4	6779.2	6894.4	6976.3
-17.5°	4696.1	4965.5	5241.4	5499.5	5722.4	5931.3	6115.0	6275.0	6408.1	6513.8	6606.1
-20°	4328.6	4603.0	4868.4	5114.5	5328.9	5522.5	5708.5	5862.2	5998.6	6113.6	6221.9



REPORT NUMBER: P558970 (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°	3959.5	4211.1	4460.3	4701.0	4903.8	5086.9	5249.7	5396.8	5517.2	5652.7	5748.3
-25°	3580.3	3800.8	4025.9	4238.5	4430.2	4610.1	4757.7	4886.7	5012.2	5143.0	5236.2
-27.5°	3199.3	3394.3	3577.1	3765.2	3933.2	4089.1	4226.1	4338.9	4460.7	4548.1	4650.6
-30°	2822.5	2999.4	3151.8	3282.7	3440.7	3574.5	3681.0	3793.1	3893.8	3977.3	4063.7
-32.5°	2503.5	2624.4	2746.1	2855.6	2960.7	3070.7	3156.6	3254.4	3323.4	3395.3	3465.1
-35°	2196.9	2290.0	2370.9	2473.2	2551.9	2611.9	2683.5	2755.2	2782.8	2861.0	2902.7
-37.5°	1919.2	1980.4	2055.8	2127.1	2185.5	2230.2	2294.0	2331.6	2351.4	2402.0	2429.1
-40°	1681.5	1720.2	1790.6	1839.3	1874.4	1906.9	1959.9	1984.3	2011.4	2036.5	2037.2
-42.5°	1472.5	1522.2	1569.9	1608.2	1630.3	1667.4	1692.3	1695.1	1730.1	1752.5	1755.9
-45°	1301.4	1351.9	1389.8	1417.9	1440.0	1471.9	1488.0	1496.9	1525.5	1540.7	1547.3
-47.5°	1170.1	1205.3	1238.1	1259.8	1288.9	1312.5	1324.2	1339.3	1361.2	1375.1	1385.1
-50°	1054.6	1082.6	1107.4	1127.3	1156.3	1177.3	1188.5	1207.0	1223.4	1233.5	1241.3
-52.5°	953.0	978.0	995.3	1014.6	1038.6	1057.2	1071.5	1089.8	1103.5	1112.3	1119.3
-55°	857.9	881.4	898.3	919.3	936.5	949.0	961.2	979.1	992.5	1001.5	1007.4
-57.5°	774.1	791.7	808.2	827.3	843.7	857.2	868.1	878.0	886.8	894.2	900.0
-60°	695.5	709.8	725.0	739.9	752.3	762.1	773.8	782.8	788.4	792.0	796.7
-62.5°	620.0	632.9	646.2	658.3	668.1	676.3	685.8	693.2	698.5	702.2	704.9
-65°	548.1	559.3	570.6	580.6	589.1	596.2	602.9	608.1	611.8	614.9	617.4
-67.5°	481.0	489.8	497.7	504.6	511.0	517.0	522.9	526.9	529.0	531.5	534.1
-70°	416.1	423.1	428.4	432.5	436.3	441.1	446.7	450.6	452.9	455.4	457.7
-72.5°	353.4	358.5	362.9	366.3	368.4	371.4	375.4	378.6	381.0	382.9	383.8
-75°	293.1	297.3	301.1	303.7	305.3	307.5	309.5	310.6	310.7	311.6	312.2
-77.5°	234.1	238.2	241.8	244.3	245.8	247.6	249.1	249.8	250.0	250.1	249.6
-80°	182.8	185.6	187.9	189.7	190.8	192.1	192.8	192.9	192.5	192.9	193.1
-82.5°	132.8	135.3	137.3	138.9	140.0	141.2	142.2	143.0	143.4	143.5	143.4
-85°	85.9	87.1	88.2	89.2	90.1	90.7	91.0	91.0	90.8	90.9	90.8
-87.5°	42.9	42.4	41.8	40.9	39.9	40.2	40.4	40.5	40.5	40.9	41.3
-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: P558970 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-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°	28.6	29.3	27.3	25.2	27.3	29.3	28.6	27.9	27.2	26.4	28.1
85°	95.3	96.0	94.3	92.3	94.3	96.0	95.3	94.4	93.2	91.8	92.7
82.5°	181.8	181.4	180.1	178.3	180.1	181.4	181.8	181.5	180.7	179.4	180.5
80°	277.3	275.5	274.4	272.6	274.4	275.5	277.3	278.3	278.4	278.0	279.8
77.5°	388.2	386.1	389.5	392.2	389.5	386.1	388.2	389.1	388.9	389.0	397.1
75°	538.1	534.0	530.0	524.3	530.0	534.0	538.1	540.2	540.1	540.5	549.4
72.5°	712.3	709.0	705.8	700.4	705.8	709.0	712.3	713.1	711.4	713.1	727.0
70°	919.8	910.1	911.7	912.2	911.7	910.1	919.8	925.4	926.3	929.6	941.7
67.5°	1181.1	1172.2	1173.3	1172.3	1173.3	1172.2	1181.1	1184.9	1183.6	1186.8	1196.6
65°	1497.2	1487.2	1475.2	1457.5	1475.2	1487.2	1497.2	1500.0	1495.4	1492.0	1490.5
62.5°	1836.7	1827.9	1833.0	1837.1	1833.0	1827.9	1836.7	1837.6	1830.5	1829.4	1824.1
60°	2213.7	2201.3	2195.2	2185.2	2195.2	2201.3	2213.7	2215.2	2205.5	2204.1	2197.4
57.5°	2679.2	2677.0	2671.5	2657.0	2671.5	2677.0	2679.2	2668.7	2645.6	2640.0	2620.5
55°	3195.5	3192.6	3204.5	3219.1	3204.5	3192.6	3195.5	3181.2	3150.7	3133.5	3105.0
52.5°	3754.9	3764.4	3761.0	3741.2	3761.0	3764.4	3754.9	3728.1	3691.7	3663.3	3611.6
50°	4308.6	4319.2	4330.6	4341.0	4330.6	4319.2	4308.6	4277.6	4242.4	4215.4	4168.1
47.5°	4936.3	4964.2	4969.1	4949.2	4969.1	4964.2	4936.3	4884.2	4846.5	4803.7	4714.5
45°	5649.3	5666.1	5674.7	5691.6	5674.7	5666.1	5649.3	5593.5	5565.7	5521.6	5433.8
42.5°	6548.2	6567.7	6570.7	6589.1	6570.7	6567.7	6548.2	6476.6	6451.8	6367.4	6243.0
40°	7615.2	7646.8	7641.3	7633.5	7641.3	7646.8	7615.2	7535.3	7516.6	7433.9	7328.7
37.5°	8864.3	8917.9	8923.5	8956.7	8923.5	8917.9	8864.3	8781.1	8722.0	8563.8	8494.7
35°	10266.0	10329.3	10318.3	10334.5	10318.3	10329.3	10266.0	10177.7	10092.3	9949.9	9776.2
32.5°	11680.0	11774.9	11794.0	11873.8	11794.0	11774.9	11680.0	11553.7	11416.7	11228.9	10997.2
30°	12790.9	12923.9	13010.7	13004.2	13010.7	12923.9	12790.9	12622.1	12511.4	12193.3	11940.9
27.5°	13251.1	13423.4	13584.6	13633.3	13584.6	13423.4	13251.1	13043.8	12978.4	12524.8	12365.7
25°	12802.1	12928.0	13070.4	13146.8	13070.4	12928.0	12802.1	12658.5	12434.4	12142.6	11914.4
22.5°	11879.5	11961.4	12009.9	11970.3	12009.9	11961.4	11879.5	11782.8	11572.5	11346.1	11095.6
20°	11042.4	11145.9	11165.2	11206.9	11165.2	11145.9	11042.4	10918.6	10798.9	10604.6	10387.9
17.5°	10419.2	10487.1	10526.9	10535.9	10526.9	10487.1	10419.2	10302.6	10193.3	10018.4	9828.3
15°	9930.9	9985.2	10021.0	10036.8	10021.0	9985.2	9930.9	9836.9	9718.4	9567.9	9403.6
12.5°	9584.8	9651.1	9683.6	9703.3	9683.6	9651.1	9584.8	9505.0	9383.2	9265.0	9092.7
10°	9362.9	9426.9	9452.6	9462.1	9452.6	9426.9	9362.9	9286.4	9190.4	9057.8	8903.2
7.5°	9203.5	9244.6	9262.0	9275.5	9262.0	9244.6	9203.5	9142.8	9042.3	8905.1	8751.8
5°	9075.0	9107.7	9126.0	9145.5	9126.0	9107.7	9075.0	9002.9	8906.8	8784.5	8625.9
2.5°	8900.0	8946.7	8979.1	8998.7	8979.1	8946.7	8900.0	8834.9	8753.0	8636.6	8471.3
0°	8728.2	8772.2	8795.3	8833.0	8795.3	8772.2	8728.2	8663.2	8581.4	8466.0	8304.5
-2.5°	8539.2	8590.2	8650.8	8709.3	8650.8	8590.2	8539.2	8474.8	8403.1	8288.2	8134.0
-5°	8394.7	8462.1	8474.7	8512.2	8474.7	8462.1	8394.7	8312.2	8214.8	8089.6	7941.0
-7.5°	8176.6	8207.4	8259.6	8268.9	8259.6	8207.4	8176.6	8105.3	7985.5	7848.6	7690.0
-10°	7840.6	7890.6	7923.2	7956.4	7923.2	7890.6	7840.6	7765.3	7664.4	7530.4	7385.1
-12.5°	7445.8	7504.6	7557.0	7549.6	7557.0	7504.6	7445.8	7377.6	7286.7	7167.9	7021.6
-15°	7061.2	7117.9	7153.9	7149.0	7153.9	7117.9	7061.2	6976.3	6894.4	6779.2	6652.4
-17.5°	6679.4	6731.2	6783.3	6782.0	6783.3	6731.2	6679.4	6606.1	6513.8	6408.1	6275.0
-20°	6285.2	6329.5	6385.4	6408.8	6385.4	6329.5	6285.2	6221.9	6113.6	5998.6	5862.2



REPORT NUMBER: P558970 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-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°	5829.4	5886.0	5926.7	5951.6	5926.7	5886.0	5829.4	5748.3	5652.7	5517.2	5396.8
-25°	5298.0	5356.2	5387.0	5398.0	5387.0	5356.2	5298.0	5236.2	5143.0	5012.2	4886.7
-27.5°	4711.0	4776.3	4807.9	4791.9	4807.9	4776.3	4711.0	4650.6	4548.1	4460.7	4338.9
-30°	4109.1	4150.9	4155.7	4192.1	4155.7	4150.9	4109.1	4063.7	3977.3	3893.8	3793.1
-32.5°	3515.1	3543.2	3527.2	3529.4	3527.2	3543.2	3515.1	3465.1	3395.3	3323.4	3254.4
-35°	2928.6	2951.0	2955.5	2996.8	2955.5	2951.0	2928.6	2902.7	2861.0	2782.8	2755.2
-37.5°	2457.2	2466.2	2452.4	2432.6	2452.4	2466.2	2457.2	2429.1	2402.0	2351.4	2331.6
-40°	2057.2	2064.2	2059.1	2048.9	2059.1	2064.2	2057.2	2037.2	2036.5	2011.4	1984.3
-42.5°	1769.6	1769.7	1765.0	1763.7	1765.0	1769.7	1769.6	1755.9	1752.5	1730.1	1695.1
-45°	1557.0	1559.2	1558.9	1558.2	1558.9	1559.2	1557.0	1547.3	1540.7	1525.5	1496.9
-47.5°	1392.2	1392.6	1390.5	1386.2	1390.5	1392.6	1392.2	1385.1	1375.1	1361.2	1339.3
-50°	1246.2	1246.2	1249.1	1254.1	1249.1	1246.2	1246.2	1241.3	1233.5	1223.4	1207.0
-52.5°	1122.9	1122.6	1124.2	1126.1	1124.2	1122.6	1122.9	1119.3	1112.3	1103.5	1089.8
-55°	1010.1	1009.5	1007.9	1004.5	1007.9	1009.5	1010.1	1007.4	1001.5	992.5	979.1
-57.5°	902.2	901.0	898.2	893.4	898.2	901.0	902.2	900.0	894.2	886.8	878.0
-60°	799.4	799.8	798.5	794.8	798.5	799.8	799.4	796.7	792.0	788.4	782.8
-62.5°	705.6	704.2	703.9	702.5	703.9	704.2	705.6	704.9	702.2	698.5	693.2
-65°	617.8	616.3	616.8	616.5	616.8	616.3	617.8	617.4	614.9	611.8	608.1
-67.5°	535.2	534.8	535.2	534.8	535.2	534.8	535.2	534.1	531.5	529.0	526.9
-70°	459.1	459.3	456.9	453.0	456.9	459.3	459.1	457.7	455.4	452.9	450.6
-72.5°	383.5	382.2	382.3	381.7	382.3	382.2	383.5	383.8	382.9	381.0	378.6
-75°	312.0	311.2	313.1	314.6	313.1	311.2	312.0	312.2	311.6	310.7	310.6
-77.5°	248.4	246.6	248.3	249.6	248.3	246.6	248.4	249.6	250.1	250.0	249.8
-80°	192.8	192.2	191.7	190.8	191.7	192.2	192.8	193.1	192.9	192.5	192.9
-82.5°	142.8	142.0	141.4	140.5	141.4	142.0	142.8	143.4	143.5	143.4	143.0
-85°	90.4	89.8	91.1	92.3	91.1	89.8	90.4	90.8	90.9	90.8	91.0
-87.5°	41.5	41.7	40.8	39.8	40.8	41.7	41.5	41.3	40.9	40.5	40.5
-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: P558970 (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°	29.6	31.1	32.4	32.6	32.7	32.7	32.6	32.4	32.1	31.7	31.1
85°	93.3	93.7	93.8	95.3	96.2	96.5	96.1	94.4	92.2	89.3	85.7
82.5°	180.9	180.6	179.8	181.6	182.5	182.3	180.9	177.4	172.7	167.0	160.2
80°	280.7	280.4	279.8	283.7	285.6	285.5	282.8	276.4	268.0	259.3	250.7
77.5°	402.6	405.3	406.5	410.3	411.3	409.1	402.9	393.1	384.5	373.4	358.7
75°	555.7	559.2	561.7	565.4	565.6	562.3	556.0	544.1	528.5	508.9	482.9
72.5°	736.4	740.9	742.3	742.3	738.5	734.3	725.0	709.2	688.6	663.3	628.8
70°	949.3	952.3	951.0	945.0	937.3	927.3	911.6	889.4	861.0	831.1	788.9
67.5°	1200.0	1196.8	1188.2	1176.3	1163.6	1144.6	1119.5	1087.5	1054.8	1017.3	960.4
65°	1484.6	1474.7	1463.3	1447.2	1423.3	1391.3	1352.5	1312.1	1269.2	1217.0	1145.2
62.5°	1805.7	1773.7	1762.7	1747.1	1716.8	1672.3	1624.7	1573.4	1509.4	1434.7	1362.5
60°	2179.5	2152.3	2125.0	2088.9	2044.3	1988.8	1928.7	1859.1	1780.3	1697.0	1600.5
57.5°	2583.0	2546.7	2518.8	2470.6	2401.5	2336.5	2261.0	2165.2	2070.7	1974.3	1858.8
55°	3066.4	3016.3	2957.2	2889.9	2816.1	2731.8	2628.6	2516.7	2401.2	2268.4	2145.4
52.5°	3540.2	3495.7	3427.7	3331.3	3244.5	3156.4	3035.2	2904.0	2773.4	2635.8	2463.0
50°	4100.5	4032.7	3939.9	3827.7	3736.7	3616.6	3481.7	3322.4	3186.5	3029.1	2838.7
47.5°	4663.5	4619.4	4509.9	4379.7	4295.4	4156.1	3989.8	3811.6	3661.5	3447.3	3239.9
45°	5375.8	5295.4	5172.8	5060.8	4928.9	4774.0	4562.1	4391.7	4191.1	3957.2	3656.5
42.5°	6210.4	6094.3	5935.1	5841.0	5682.7	5478.7	5242.8	5028.4	4778.1	4504.6	4159.2
40°	7222.0	7030.5	6868.9	6717.4	6536.9	6267.8	6006.3	5720.8	5421.6	5085.1	4635.6
37.5°	8384.1	8181.1	7942.6	7692.1	7459.1	7152.0	6802.0	6465.8	6106.1	5600.0	5087.5
35°	9593.9	9362.3	9067.9	8764.3	8402.2	7972.0	7610.8	7214.4	6723.2	6066.4	5505.6
32.5°	10788.6	10408.2	10089.4	9761.6	9219.5	8688.3	8299.6	7947.3	7113.3	6435.6	5872.9
30°	11652.5	11171.0	10847.9	10399.1	9718.8	9235.2	8865.6	8134.3	7358.1	6693.0	6159.0
27.5°	11841.4	11485.1	11157.1	10483.6	9897.7	9470.0	8892.4	8147.0	7441.1	6815.3	6298.3
25°	11478.4	11153.0	10754.0	10194.0	9705.0	9265.4	8659.0	7983.8	7350.4	6798.7	6218.4
22.5°	10789.1	10491.7	10128.5	9691.5	9276.8	8828.4	8293.9	7708.8	7163.8	6647.4	6085.7
20°	10130.5	9863.0	9526.2	9179.9	8823.3	8398.1	7890.7	7412.3	6968.9	6468.8	5926.2
17.5°	9612.9	9336.2	9071.8	8771.6	8406.2	7971.8	7606.8	7212.6	6774.5	6277.6	5744.2
15°	9181.3	8973.0	8721.0	8404.5	8069.3	7760.0	7413.0	7009.9	6573.3	6071.0	5574.3
12.5°	8917.8	8695.2	8420.0	8172.2	7893.0	7569.3	7211.7	6800.6	6383.1	5962.4	5517.1
10°	8707.0	8496.2	8269.4	8008.8	7714.0	7378.2	7043.6	6686.3	6297.6	5884.6	5443.9
7.5°	8572.0	8354.5	8112.9	7858.9	7575.9	7274.2	6946.1	6590.5	6198.1	5785.9	5353.7
5°	8440.9	8224.3	7992.1	7748.1	7459.0	7157.8	6833.0	6476.4	6082.4	5666.5	5245.8
2.5°	8290.9	8085.9	7862.0	7618.1	7324.1	7023.7	6703.3	6342.3	5954.1	5554.4	5123.0
0°	8122.1	7933.4	7692.2	7446.8	7170.0	6876.4	6555.6	6186.5	5806.9	5429.4	4980.6
-2.5°	7961.6	7760.7	7538.1	7294.5	7029.3	6725.4	6406.5	6049.5	5661.9	5280.4	4841.4
-5°	7765.8	7570.5	7347.0	7092.6	6825.3	6525.4	6208.4	5863.4	5482.2	5104.9	4685.6
-7.5°	7513.5	7326.0	7114.7	6861.6	6588.7	6289.1	5968.5	5623.9	5252.5	4879.3	4471.8
-10°	7210.7	7011.2	6796.4	6560.5	6304.9	6021.8	5704.8	5360.7	5003.4	4631.7	4239.8
-12.5°	6855.4	6665.7	6450.7	6220.0	5968.1	5691.2	5397.7	5069.4	4735.3	4361.8	3990.1
-15°	6477.3	6310.4	6098.6	5857.1	5599.6	5337.3	5058.7	4745.7	4437.1	4071.7	3722.9
-17.5°	6115.0	5931.3	5722.4	5499.5	5241.4	4965.5	4696.1	4409.1	4110.7	3777.8	3458.6
-20°	5708.5	5522.5	5328.9	5114.5	4868.4	4603.0	4328.6	4054.8	3774.5	3484.6	3194.5



REPORT NUMBER: P558970 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-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°	5249.7	5086.9	4903.8	4701.0	4460.3	4211.1	3959.5	3701.0	3435.8	3186.2	2926.0
-25°	4757.7	4610.1	4430.2	4238.5	4025.9	3800.8	3580.3	3350.7	3122.4	2888.5	2657.7
-27.5°	4226.1	4089.1	3933.2	3765.2	3577.1	3394.3	3199.3	3001.4	2817.0	2610.7	2409.3
-30°	3681.0	3574.5	3440.7	3282.7	3151.8	2999.4	2822.5	2681.6	2521.9	2345.2	2181.1
-32.5°	3156.6	3070.7	2960.7	2855.6	2746.1	2624.4	2503.5	2372.8	2233.4	2107.5	1973.2
-35°	2683.5	2611.9	2551.9	2473.2	2370.9	2290.0	2196.9	2089.6	1983.0	1881.9	1774.2
-37.5°	2294.0	2230.2	2185.5	2127.1	2055.8	1980.4	1919.2	1845.5	1758.1	1677.3	1590.0
-40°	1959.9	1906.9	1874.4	1839.3	1790.6	1720.2	1681.5	1626.6	1566.4	1488.8	1418.5
-42.5°	1692.3	1667.4	1630.3	1608.2	1569.9	1522.2	1472.5	1440.9	1392.7	1332.2	1274.7
-45°	1488.0	1471.9	1440.0	1417.9	1389.8	1351.9	1301.4	1277.7	1241.4	1199.3	1144.9
-47.5°	1324.2	1312.5	1288.9	1259.8	1238.1	1205.3	1170.1	1136.6	1115.4	1079.3	1034.7
-50°	1188.5	1177.3	1156.3	1127.3	1107.4	1082.6	1054.6	1021.4	1001.1	970.5	933.4
-52.5°	1071.5	1057.2	1038.6	1014.6	995.3	978.0	953.0	922.5	895.9	874.9	847.8
-55°	961.2	949.0	936.5	919.3	898.3	881.4	857.9	831.6	809.7	791.5	768.2
-57.5°	868.1	857.2	843.7	827.3	808.2	791.7	774.1	753.6	731.0	714.0	692.4
-60°	773.8	762.1	752.3	739.9	725.0	709.8	695.5	678.0	657.3	640.4	621.5
-62.5°	685.8	676.3	668.1	658.3	646.2	632.9	620.0	605.3	588.1	570.6	554.8
-65°	602.9	596.2	589.1	580.6	570.6	559.3	548.1	535.8	521.9	506.4	491.6
-67.5°	522.9	517.0	511.0	504.6	497.7	489.8	481.0	470.3	458.7	446.1	433.7
-70°	446.7	441.1	436.3	432.5	428.4	423.1	416.1	407.9	398.4	388.4	377.4
-72.5°	375.4	371.4	368.4	366.3	362.9	358.5	353.4	347.6	340.8	333.0	322.7
-75°	309.5	307.5	305.3	303.7	301.1	297.3	293.1	288.8	283.4	276.8	268.4
-77.5°	249.1	247.6	245.8	244.3	241.8	238.2	234.1	230.9	227.2	222.1	215.7
-80°	192.8	192.1	190.8	189.7	187.9	185.6	182.8	179.6	175.3	170.4	165.6
-82.5°	142.2	141.2	140.0	138.9	137.3	135.3	132.8	130.4	127.6	124.4	120.9
-85°	91.0	90.7	90.1	89.2	88.2	87.1	85.9	84.9	83.6	81.9	80.1
-87.5°	40.4	40.2	39.9	40.9	41.8	42.4	42.9	42.4	41.8	41.0	40.0
-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: P558970 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-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°	30.4	29.6	28.7	27.7	27.0	26.2	25.2	23.9	21.9	19.7	17.5
85°	81.3	76.3	70.7	64.5	58.7	52.4	50.3	47.8	43.7	39.4	35.0
82.5°	151.8	144.5	136.8	128.2	118.9	108.9	98.4	87.1	73.4	60.2	52.4
80°	239.6	227.3	213.8	199.1	182.8	165.3	150.9	135.2	115.8	97.1	79.1
77.5°	339.6	318.8	296.3	277.0	257.0	235.4	212.2	186.0	157.8	133.5	110.2
75°	450.9	424.7	397.7	368.3	337.1	305.5	278.0	245.9	207.7	170.5	141.0
72.5°	589.5	548.9	507.0	463.9	426.5	387.9	348.3	304.9	260.0	216.2	173.6
70°	737.9	681.8	629.2	577.4	523.5	470.2	424.1	370.4	311.6	261.1	212.2
67.5°	895.8	834.6	767.7	694.3	629.3	566.3	501.6	436.6	370.7	305.3	250.1
65°	1075.2	997.8	914.2	833.6	747.6	663.3	591.0	505.2	428.7	356.5	287.1
62.5°	1272.3	1171.3	1080.4	979.1	878.5	779.1	677.4	580.7	487.3	406.4	328.3
60°	1495.8	1385.0	1257.3	1143.9	1022.6	900.8	779.9	653.8	551.8	455.0	370.6
57.5°	1741.5	1611.3	1474.8	1324.7	1182.4	1038.3	882.3	737.3	614.0	507.8	411.1
55°	1998.5	1852.1	1697.9	1532.9	1357.0	1190.7	989.9	822.8	676.9	560.0	448.8
52.5°	2286.2	2111.2	1933.3	1747.2	1553.6	1338.7	1109.3	903.4	747.4	609.9	488.9
50°	2617.6	2398.8	2187.7	1973.9	1752.9	1494.4	1220.9	999.7	813.6	660.3	527.0
47.5°	2995.7	2730.1	2468.4	2211.9	1967.4	1639.0	1343.8	1091.6	875.3	714.0	562.4
45°	3387.2	3094.7	2777.7	2480.9	2141.7	1785.3	1463.5	1176.2	949.8	760.8	595.2
42.5°	3780.2	3463.7	3123.5	2752.3	2320.7	1924.0	1572.8	1271.4	1018.5	803.8	629.4
40°	4216.8	3831.4	3468.4	3004.5	2483.4	2050.1	1685.3	1360.6	1080.3	847.1	663.8
37.5°	4633.1	4207.0	3807.8	3196.9	2632.2	2179.2	1788.1	1440.4	1136.8	893.9	695.0
35°	5021.7	4571.1	3978.9	3353.4	2779.9	2288.5	1879.1	1515.7	1196.9	935.2	723.0
32.5°	5376.1	4804.4	4110.1	3475.5	2897.1	2377.7	1961.6	1582.7	1248.2	970.8	747.7
30°	5617.8	4891.6	4200.2	3563.7	2984.4	2464.1	2028.9	1638.2	1291.0	1000.8	770.8
27.5°	5630.5	4932.1	4248.4	3618.8	3044.4	2527.5	2079.9	1682.4	1325.1	1028.7	794.6
25°	5586.4	4914.3	4255.4	3639.3	3076.3	2579.4	2119.1	1715.6	1356.5	1055.9	814.1
22.5°	5483.1	4851.0	4223.3	3625.5	3111.2	2615.2	2151.5	1743.9	1381.8	1076.3	829.3
20°	5352.7	4748.2	4169.4	3639.0	3128.8	2638.1	2175.8	1762.2	1398.2	1090.3	840.2
17.5°	5193.0	4666.7	4160.4	3636.5	3128.8	2644.8	2186.8	1770.7	1406.0	1097.9	847.1
15°	5119.5	4634.6	4133.1	3617.1	3111.6	2636.0	2184.9	1769.6	1405.5	1099.4	851.9
12.5°	5060.5	4584.3	4088.8	3580.9	3077.7	2612.1	2170.4	1759.1	1397.0	1099.4	855.4
10°	4985.8	4515.7	4027.5	3528.0	3027.9	2574.0	2144.0	1743.1	1392.8	1097.6	855.7
7.5°	4894.8	4429.0	3949.3	3458.8	2968.1	2531.3	2117.0	1725.3	1384.0	1091.2	852.7
5°	4789.1	4333.3	3865.3	3392.6	2922.4	2486.1	2081.3	1698.8	1369.3	1080.3	846.7
2.5°	4674.9	4234.4	3771.4	3312.3	2864.9	2429.9	2036.0	1664.5	1349.0	1065.3	837.9
0°	4542.3	4118.7	3661.5	3217.0	2795.4	2363.4	1981.8	1623.2	1323.3	1046.5	826.3
-2.5°	4425.9	3991.6	3543.2	3113.6	2694.1	2283.8	1922.8	1581.6	1294.8	1028.0	814.1
-5°	4290.6	3848.1	3411.0	2996.9	2582.3	2195.8	1856.6	1534.6	1261.7	1006.2	799.6
-7.5°	4091.7	3672.6	3260.4	2865.8	2461.2	2100.9	1784.2	1482.9	1224.6	981.5	782.9
-10°	3867.6	3474.0	3089.7	2717.8	2343.6	2007.2	1707.9	1427.1	1183.8	954.0	764.1
-12.5°	3630.8	3264.7	2909.7	2562.6	2222.3	1914.8	1634.7	1372.4	1140.4	924.0	743.5
-15°	3382.8	3046.6	2721.7	2402.1	2097.0	1817.8	1558.1	1316.5	1097.6	893.3	721.2
-17.5°	3130.4	2821.3	2527.1	2238.0	1969.2	1716.9	1478.8	1257.7	1052.5	862.6	698.9
-20°	2900.0	2610.9	2328.7	2071.9	1840.3	1613.1	1397.6	1196.6	1005.3	830.2	676.3



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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°	2670.3	2416.6	2161.9	1917.6	1713.8	1507.0	1315.4	1133.6	956.6	796.4	652.1
-25°	2441.6	2223.5	1999.0	1789.3	1591.2	1408.5	1235.9	1069.1	906.6	761.3	626.4
-27.5°	2226.1	2035.3	1835.5	1660.8	1484.0	1311.6	1159.3	1007.9	858.2	725.4	599.4
-30°	2020.4	1855.5	1688.7	1535.0	1378.1	1227.2	1082.5	946.8	814.0	690.6	571.1
-32.5°	1830.5	1678.1	1548.7	1418.2	1280.8	1143.4	1011.2	886.1	769.6	655.9	544.8
-35°	1654.0	1526.5	1412.7	1305.2	1186.7	1067.3	946.2	825.9	725.3	620.2	518.7
-37.5°	1485.9	1392.1	1294.7	1199.1	1093.2	992.6	884.8	776.3	681.1	583.6	492.2
-40°	1347.7	1267.7	1186.3	1098.7	1010.2	919.6	823.2	729.2	638.0	546.2	465.2
-42.5°	1216.0	1153.8	1083.7	1001.1	933.2	852.1	762.6	681.3	596.5	512.5	437.8
-45°	1098.8	1046.0	986.3	924.3	859.3	785.4	709.1	633.0	554.8	480.8	411.2
-47.5°	988.4	949.2	900.6	848.8	788.8	721.2	655.1	586.9	513.1	449.2	385.9
-50°	895.4	861.5	822.5	775.6	719.7	662.4	602.0	541.0	478.1	417.9	360.0
-52.5°	814.7	782.4	747.4	704.2	656.6	603.5	553.1	496.0	442.5	387.6	333.7
-55°	738.8	707.2	675.2	638.2	595.5	551.2	504.7	456.1	406.2	357.5	307.3
-57.5°	667.2	636.4	608.9	575.7	539.9	501.2	459.3	415.7	371.6	326.9	283.8
-60°	598.4	573.3	546.2	518.9	487.7	452.5	415.0	375.9	337.1	296.7	260.0
-62.5°	535.2	512.5	490.1	465.3	436.6	404.9	371.1	337.8	302.3	269.5	235.9
-65°	475.7	457.1	435.7	412.3	386.1	358.4	329.8	299.5	270.8	242.0	211.7
-67.5°	419.0	401.7	381.0	359.4	338.6	315.4	288.7	264.4	240.1	214.1	187.7
-70°	363.6	346.8	329.5	313.1	294.3	273.1	251.9	230.6	209.1	187.5	163.6
-72.5°	310.2	297.0	283.2	268.2	252.0	234.5	215.7	197.3	180.1	160.8	139.4
-75°	258.3	248.2	237.4	225.2	211.1	196.0	181.4	166.4	151.1	134.0	117.9
-77.5°	208.4	200.5	192.0	183.2	172.3	160.8	148.4	135.6	123.1	110.7	97.4
-80°	161.3	156.3	150.5	143.7	134.9	125.5	116.6	107.5	97.9	87.6	76.7
-82.5°	117.6	114.1	110.2	105.4	99.4	93.2	86.8	80.1	72.6	64.5	56.6
-85°	77.7	75.0	71.8	68.2	64.6	60.8	57.1	53.1	48.1	43.0	37.8
-87.5°	38.6	37.1	35.4	33.7	32.1	30.4	28.6	26.6	24.1	21.5	18.9
-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°	15.2	12.8	10.4	7.9	5.3	2.6	0.0
85°	30.4	25.6	20.7	15.7	10.6	5.2	0.0
82.5°	45.5	38.4	31.0	23.5	15.8	7.8	0.0
80°	61.9	51.1	41.3	31.3	21.1	10.4	0.0
77.5°	87.9	66.6	51.5	39.1	26.3	12.9	0.0
75°	113.6	87.3	62.7	46.7	31.4	15.5	0.0
72.5°	138.8	107.8	78.5	54.3	36.5	17.9	0.0
70°	164.5	127.8	94.1	62.5	41.5	20.4	0.0
67.5°	196.0	147.5	109.4	73.6	46.4	22.8	0.0
65°	226.6	169.3	124.3	84.5	51.2	25.2	0.0
62.5°	256.2	193.0	138.8	95.0	55.9	27.5	0.0
60°	284.6	215.9	152.8	105.3	60.5	29.8	0.0
57.5°	316.9	237.9	169.7	115.3	66.9	32.0	0.0
55°	348.2	259.0	186.1	125.0	73.2	34.2	0.0
52.5°	377.8	279.7	201.8	134.3	79.4	36.2	0.0
50°	405.6	302.4	216.7	143.2	85.2	38.2	0.0
47.5°	432.2	323.7	230.8	152.1	90.9	40.2	0.0
45°	459.9	343.6	244.1	162.0	96.3	42.0	0.0
42.5°	485.5	362.1	256.5	171.4	101.5	43.8	0.0
40°	508.8	379.0	269.1	180.3	106.5	45.5	0.0
37.5°	529.8	394.4	281.7	188.7	111.1	47.1	0.0
35°	548.5	409.8	293.2	196.6	115.5	48.6	0.0
32.5°	566.6	424.2	303.6	203.9	119.6	50.0	0.0
30°	585.9	436.8	312.9	210.7	123.4	51.3	0.0
27.5°	602.6	447.7	321.7	216.9	126.9	52.5	0.0
25°	616.7	456.9	329.5	222.5	130.2	53.6	0.0
22.5°	628.2	464.9	336.2	227.5	133.1	54.6	0.0
20°	637.1	472.8	341.8	231.9	135.7	55.5	0.0
17.5°	645.2	479.4	346.3	235.7	137.9	56.3	0.0
15°	651.7	484.5	349.8	238.9	139.9	57.0	0.0
12.5°	655.7	488.3	352.2	241.4	141.5	57.5	0.0
10°	657.3	490.7	353.7	243.4	142.8	58.0	0.0
7.5°	656.5	491.7	354.2	244.8	143.8	58.3	0.0
5°	653.6	491.3	353.7	245.6	144.4	58.6	0.0
2.5°	648.6	489.6	352.4	245.8	144.7	58.7	0.0
0°	641.7	486.5	350.2	245.4	144.7	58.7	0.0
-2.5°	634.3	481.9	348.5	244.3	144.4	58.8	0.0
-5°	625.3	476.1	346.0	242.6	143.7	58.8	0.0
-7.5°	614.5	469.1	342.7	240.4	142.7	58.6	0.0
-10°	602.2	461.0	338.7	237.6	141.4	58.3	0.0
-12.5°	588.3	451.9	333.8	234.3	139.8	58.0	0.0
-15°	573.1	441.9	328.2	230.5	137.9	57.5	0.0
-17.5°	556.5	431.1	321.9	226.2	135.7	56.9	0.0
-20°	539.4	419.5	314.9	221.4	133.3	56.2	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	522.2	407.2	307.1	216.1	130.6	55.3	0.0
-25°	503.9	394.9	298.7	210.4	127.6	54.4	0.0
-27.5°	484.8	382.1	289.6	204.3	124.4	53.4	0.0
-30°	464.7	368.4	279.9	197.8	120.9	52.2	0.0
-32.5°	443.9	354.1	269.9	190.9	117.2	50.9	0.0
-35°	424.5	338.9	259.4	183.6	113.3	49.6	0.0
-37.5°	405.3	323.7	248.3	176.0	109.2	48.1	0.0
-40°	385.3	309.1	236.8	168.0	104.9	46.5	0.0
-42.5°	364.7	294.0	225.3	159.7	100.3	44.8	0.0
-45°	343.5	278.4	213.9	151.2	95.6	43.1	0.0
-47.5°	321.7	262.4	202.1	142.3	90.8	41.2	0.0
-50°	301.8	246.0	189.9	134.4	85.7	39.3	0.0
-52.5°	281.9	229.3	177.3	126.6	80.5	37.2	0.0
-55°	261.6	213.0	164.3	118.6	75.2	35.1	0.0
-57.5°	241.1	196.6	151.1	110.3	69.7	33.0	0.0
-60°	220.4	179.8	137.6	101.9	64.1	30.7	0.0
-62.5°	200.1	162.7	126.2	93.2	59.3	28.4	0.0
-65°	179.5	145.3	114.6	84.4	54.4	26.0	0.0
-67.5°	158.6	129.1	102.7	75.4	49.3	23.6	0.0
-70°	137.5	114.3	90.7	66.3	44.2	21.1	0.0
-72.5°	119.3	99.3	78.6	58.1	38.9	18.5	0.0
-75°	101.4	84.1	66.3	50.0	33.5	16.0	0.0
-77.5°	83.3	68.9	55.1	41.8	28.0	13.4	0.0
-80°	65.1	54.7	44.2	33.5	22.5	10.7	0.0
-82.5°	48.7	41.1	33.2	25.2	16.9	8.1	0.0
-85°	32.5	27.4	22.2	16.8	11.3	5.4	0.0
-87.5°	16.3	13.7	11.1	8.4	5.7	2.7	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)