

Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P627301 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA3E-750-U-VWR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P627301 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-17)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 12/7/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA3E-750-U-VWR-XX
Description: GALLEON FLOOD, THREE LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N84
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

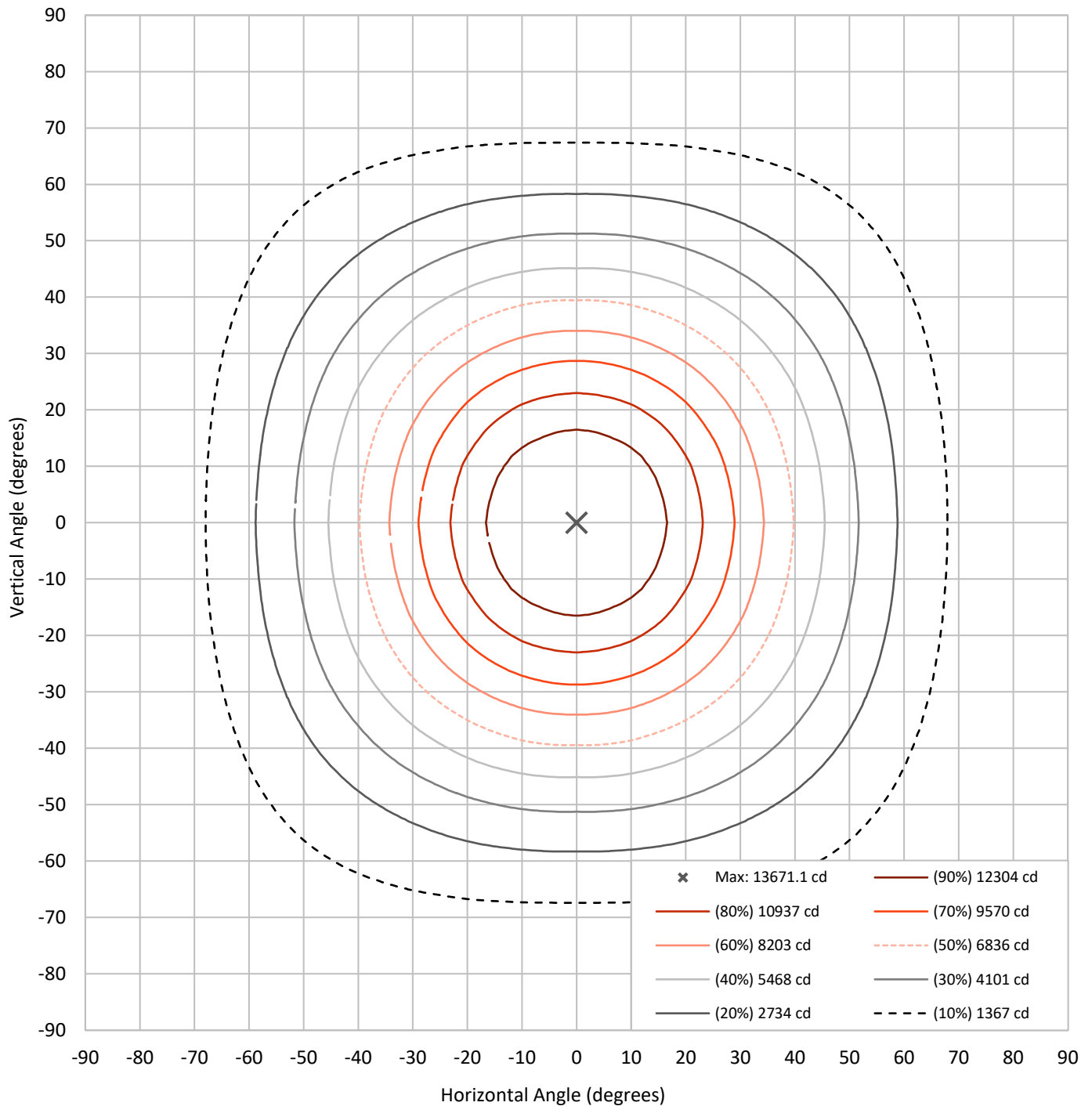
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	24709.4 lumens	Max Intensity:	13671.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	133.4 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')		
Beam Angle (50%):	79.6°H x 78.9°V	Field Angle (10%):	135.9°H x 134.8°V
Beam Lumens:	14492.2 lumens	Field Lumens:	23556.2 lumens
Beam Efficiency:	58.7%	Field Efficiency:	95.3%
Input Watts (W):	185.2		
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





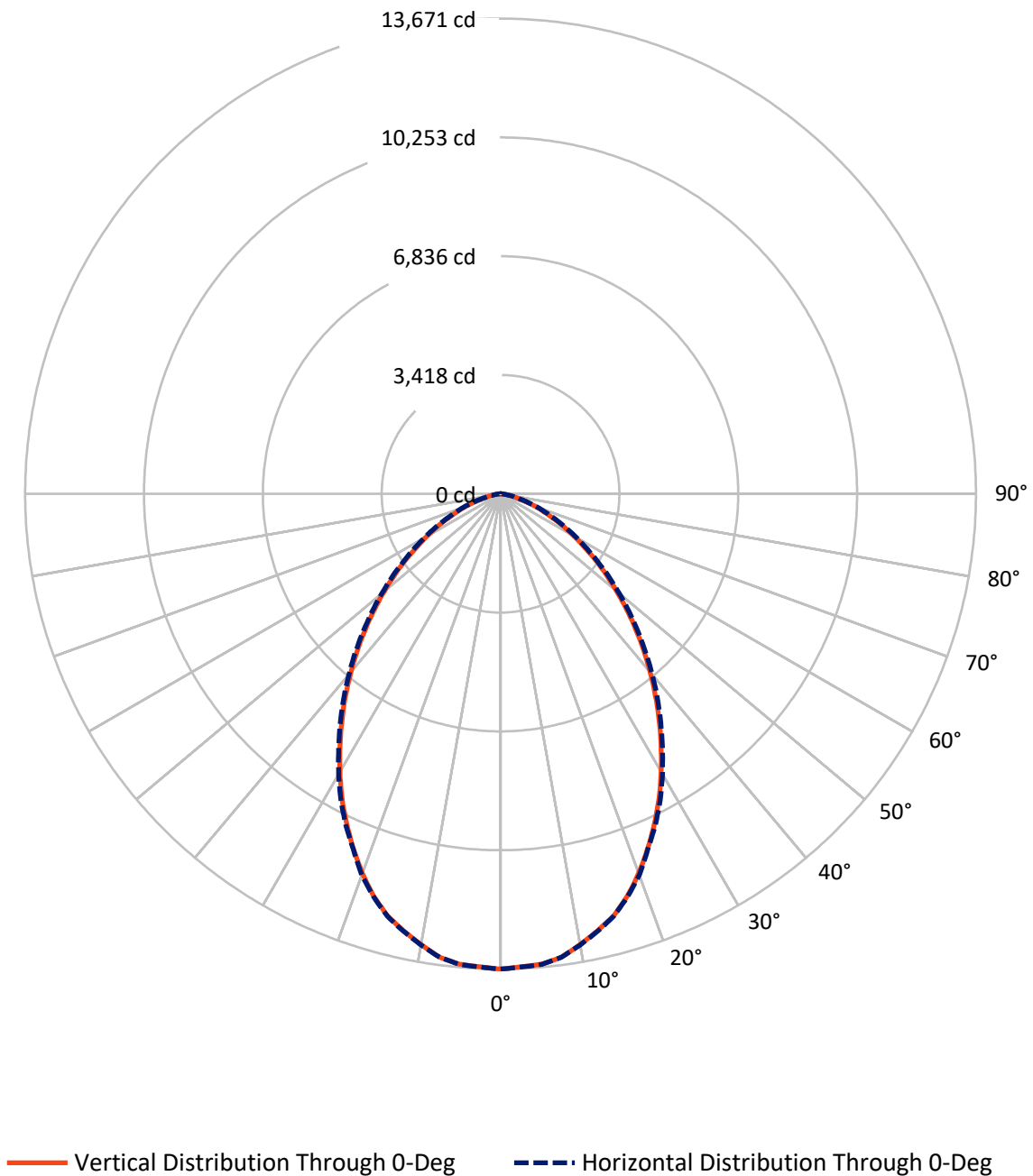
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Lumen Table

90																			
80	0.8	10.1	27.6	46.8	44.1	46.8	27.6	10.1	0.8										
70																			
60	4.6	6.3	12.8	21.8	31.9	41.2	48.2	51.5	51.5	48.2	41.2	31.9	21.8	12.8	6.3	4.6			
50		9.5	20.8	37.1	56.1	76.3	92.8	101.5	101.5	92.8	76.3	56.1	37.1	20.8	9.5				
40	8.1	12.8	30.0	55.5	87.9	121.8	150.3	165.8	165.8	150.3	121.8	87.9	55.5	30.0	12.8	8.1			
30		16.2	39.8	76.4	123.0	172.5	214.7	238.8	238.8	214.7	172.5	123.0	76.4	39.8	16.2				
20	10.4	19.3	49.0	96.0	156.6	222.4	279.7	312.6	312.6	279.7	222.4	156.6	96.0	49.0	19.3	10.4			
10		21.8	56.1	110.7	182.9	262.8	333.3	373.4	373.4	333.3	262.8	182.9	110.7	56.1	21.8				
0	11.3	23.1	60.0	119.1	197.5	285.2	362.3	404.4	404.4	362.3	285.2	197.5	119.1	60.0	23.1	11.3			
-10		23.1	60.0	119.1	197.5	285.2	362.3	404.4	404.4	362.3	285.2	197.5	119.1	60.0	23.1				
-20	10.4	21.8	56.1	110.7	182.9	262.8	333.3	373.4	373.4	333.3	262.8	182.9	110.7	56.1	21.8	10.4			
-30		19.3	49.0	96.0	156.6	222.4	279.7	312.6	312.6	279.7	222.4	156.6	96.0	49.0	19.3				
-40	8.1	16.2	39.8	76.4	123.0	172.5	214.7	238.8	238.8	214.7	172.5	123.0	76.4	39.8	16.2	8.1			
-50		12.8	30.0	55.5	87.9	121.8	150.3	165.8	165.8	150.3	121.8	87.9	55.5	30.0	12.8				
-60	4.6	9.5	20.8	37.1	56.1	76.3	92.8	101.5	101.5	92.8	76.3	56.1	37.1	20.8	9.5	4.6			
-70		6.3	12.8	21.8	31.9	41.2	48.2	51.5	51.5	48.2	41.2	31.9	21.8	12.8	6.3				
-80	0.8	10.1	27.6	46.8	44.1	46.8	27.6	10.1	0.8										
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

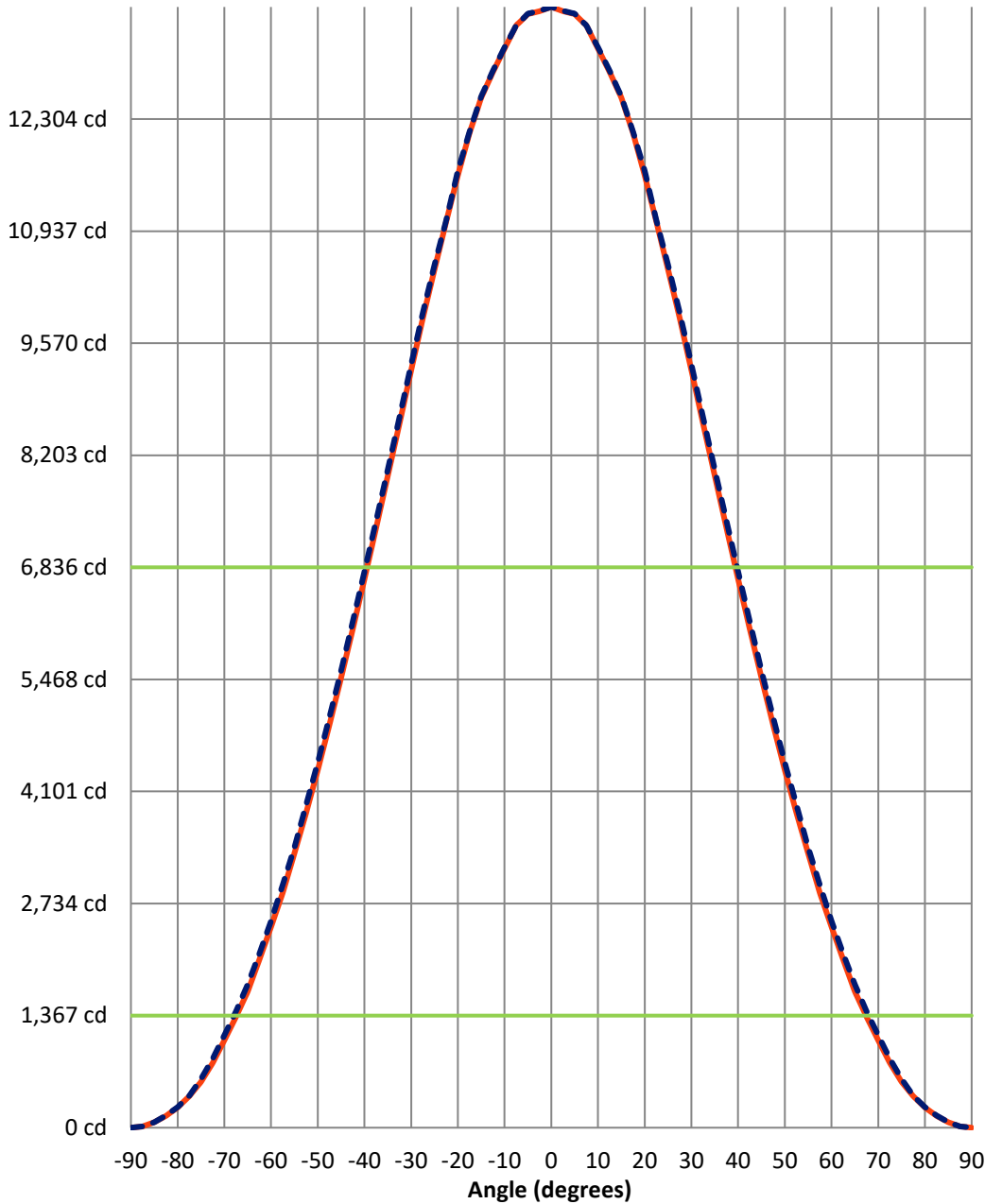
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
H Angle: 79.6°
V Angle: 78.9°
Lumens: 14492.2
Efficiency: 58.7%

Field:
H Angle: 135.9°
V Angle: 134.8°
Lumens: 23556.2
Efficiency: 95.3%

Spill:
Lumens: 1153.2
Efficiency: 4.7%

- Vertical Distribution through 0-Deg
- - Horizontal Distribution through 0-Deg

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Scaled Data Report



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FIELD
BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.8	1.8	2.7	3.6	4.4	5.3	6.2	7.0	7.8	8.7
85°	0.0	1.6	3.6	5.3	7.1	8.9	10.6	12.3	14.0	15.7	17.3
82.5°	0.0	2.3	5.3	8.0	10.6	13.3	15.9	18.4	23.1	36.3	49.0
80°	0.0	3.1	7.1	10.6	14.2	17.7	23.9	42.5	60.4	77.6	94.2
77.5°	0.0	3.9	8.8	13.3	17.7	27.7	52.0	75.5	97.6	118.8	145.0
75°	0.0	4.6	10.5	15.9	23.0	47.9	79.5	108.2	135.8	173.8	214.1
72.5°	0.0	5.4	12.2	18.4	36.7	67.5	106.1	143.4	186.8	232.9	281.9
70°	0.0	6.1	13.8	22.1	49.9	86.5	132.7	185.7	236.6	291.0	354.6
67.5°	0.0	6.8	15.4	30.3	62.6	104.6	164.6	226.9	285.5	354.1	427.0
65°	0.0	7.5	16.9	38.1	74.7	124.9	195.2	267.0	338.1	415.3	494.8
62.5°	0.0	8.2	18.4	45.6	86.2	147.2	224.1	308.9	389.1	473.9	555.4
60°	0.0	8.8	19.8	52.7	97.0	168.2	251.5	350.5	438.1	528.6	615.2
57.5°	0.0	9.4	23.8	59.4	111.4	188.0	280.2	389.3	486.4	582.5	671.8
55°	0.0	10.0	27.7	65.6	125.2	206.4	307.5	422.8	534.0	634.5	726.2
52.5°	0.0	10.6	31.4	71.4	137.9	223.9	332.7	457.6	580.4	682.3	779.2
50°	0.0	11.2	35.0	76.6	149.7	242.4	355.8	490.7	624.6	728.7	840.0
47.5°	0.0	11.7	38.4	82.1	160.4	259.3	377.5	521.4	664.5	773.6	899.4
45°	0.0	12.2	41.7	89.2	170.0	274.6	401.6	549.8	695.5	824.5	956.4
42.5°	0.0	12.6	44.8	95.7	178.6	288.2	423.7	575.9	725.3	873.2	1023.4
40°	0.0	13.1	47.7	102.2	187.2	300.0	443.7	600.5	756.2	918.8	1088.8
37.5°	0.0	13.4	50.4	108.8	195.7	310.2	461.7	623.9	790.9	962.0	1150.0
35°	0.0	13.8	52.9	114.8	203.0	321.9	477.5	646.0	824.7	1011.8	1211.7
32.5°	0.0	14.1	55.2	120.4	209.1	333.6	492.1	666.6	857.5	1059.7	1277.1
30°	0.0	14.4	57.3	125.5	214.0	343.6	507.4	687.2	889.2	1105.5	1338.2
27.5°	0.0	14.7	59.2	130.2	221.3	351.9	521.0	711.2	921.8	1148.9	1394.9
25°	0.0	14.9	60.9	134.3	228.2	358.5	533.1	733.5	955.8	1193.1	1447.3
22.5°	0.0	15.1	62.4	138.0	234.2	365.1	543.4	753.9	987.1	1234.9	1503.2
20°	0.0	15.3	63.7	141.1	239.4	374.1	551.9	772.3	1015.5	1272.3	1553.2
17.5°	0.0	15.4	64.8	143.8	243.8	381.5	562.5	788.4	1040.8	1305.1	1597.4
15°	0.0	15.5	65.7	146.0	247.3	387.3	573.6	803.8	1062.8	1333.3	1635.4
12.5°	0.0	15.6	66.3	147.6	250.0	391.5	582.6	818.3	1082.7	1356.6	1667.3
10°	0.0	15.6	66.8	148.8	251.9	394.0	589.4	829.5	1099.8	1378.5	1694.1
7.5°	0.0	15.6	67.1	149.5	252.9	395.1	594.1	837.3	1113.0	1396.2	1717.3
5°	0.0	15.6	67.1	149.7	253.1	394.6	596.5	841.7	1122.1	1409.0	1734.0
2.5°	0.0	15.5	67.0	149.4	252.5	392.7	596.6	842.7	1126.9	1416.8	1744.0
0°	0.0	15.4	66.6	148.6	251.1	389.4	594.4	840.4	1127.3	1419.4	1747.3
-2.5°	0.0	15.5	67.0	149.4	252.5	392.7	596.6	842.7	1126.9	1416.8	1744.0
-5°	0.0	15.6	67.1	149.7	253.1	394.6	596.5	841.7	1122.1	1409.0	1734.0
-7.5°	0.0	15.6	67.1	149.5	252.9	395.1	594.1	837.3	1113.0	1396.2	1717.3
-10°	0.0	15.6	66.8	148.8	251.9	394.0	589.4	829.5	1099.8	1378.5	1694.1
-12.5°	0.0	15.6	66.3	147.6	250.0	391.5	582.6	818.3	1082.7	1356.6	1667.3
-15°	0.0	15.5	65.7	146.0	247.3	387.3	573.6	803.8	1062.8	1333.3	1635.4
-17.5°	0.0	15.4	64.8	143.8	243.8	381.5	562.5	788.4	1040.8	1305.1	1597.4
-20°	0.0	15.3	63.7	141.1	239.4	374.1	551.9	772.3	1015.5	1272.3	1553.2



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 CATALOG NUMBER: GFLD-SA3E-750-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	15.1	62.4	138.0	234.2	365.1	543.4	753.9	987.1	1234.9	1503.2
-25°	0.0	14.9	60.9	134.3	228.2	358.5	533.1	733.5	955.8	1193.1	1447.3
-27.5°	0.0	14.7	59.2	130.2	221.3	351.9	521.0	711.2	921.8	1148.9	1394.9
-30°	0.0	14.4	57.3	125.5	214.0	343.6	507.4	687.2	889.2	1105.5	1338.2
-32.5°	0.0	14.1	55.2	120.4	209.1	333.6	492.1	666.6	857.5	1059.7	1277.1
-35°	0.0	13.8	52.9	114.8	203.0	321.9	477.5	646.0	824.7	1011.8	1211.7
-37.5°	0.0	13.4	50.4	108.8	195.7	310.2	461.7	623.9	790.9	962.0	1150.0
-40°	0.0	13.1	47.7	102.2	187.2	300.0	443.7	600.5	756.2	918.8	1088.8
-42.5°	0.0	12.6	44.8	95.7	178.6	288.2	423.7	575.9	725.3	873.2	1023.4
-45°	0.0	12.2	41.7	89.2	170.0	274.6	401.6	549.8	695.5	824.5	956.4
-47.5°	0.0	11.7	38.4	82.1	160.4	259.3	377.5	521.4	664.5	773.6	899.4
-50°	0.0	11.2	35.0	76.6	149.7	242.4	355.8	490.7	624.6	728.7	840.0
-52.5°	0.0	10.6	31.4	71.4	137.9	223.9	332.7	457.6	580.4	682.3	779.2
-55°	0.0	10.0	27.7	65.6	125.2	206.4	307.5	422.8	534.0	634.5	726.2
-57.5°	0.0	9.4	23.8	59.4	111.4	188.0	280.2	389.3	486.4	582.5	671.8
-60°	0.0	8.8	19.8	52.7	97.0	168.2	251.5	350.5	438.1	528.6	615.2
-62.5°	0.0	8.2	18.4	45.6	86.2	147.2	224.1	308.9	389.1	473.9	555.4
-65°	0.0	7.5	16.9	38.1	74.7	124.9	195.2	267.0	338.1	415.3	494.8
-67.5°	0.0	6.8	15.4	30.3	62.6	104.6	164.6	226.9	285.5	354.1	427.0
-70°	0.0	6.1	13.8	22.1	49.9	86.5	132.7	185.7	236.6	291.0	354.6
-72.5°	0.0	5.4	12.2	18.4	36.7	67.5	106.1	143.4	186.8	232.9	281.9
-75°	0.0	4.6	10.5	15.9	23.0	47.9	79.5	108.2	135.8	173.8	214.1
-77.5°	0.0	3.9	8.8	13.3	17.7	27.7	52.0	75.5	97.6	118.8	145.0
-80°	0.0	3.1	7.1	10.6	14.2	17.7	23.9	42.5	60.4	77.6	94.2
-82.5°	0.0	2.3	5.3	8.0	10.6	13.3	15.9	18.4	23.1	36.3	49.0
-85°	0.0	1.6	3.6	5.3	7.1	8.9	10.6	12.3	14.0	15.7	17.3
-87.5°	0.0	0.8	1.8	2.7	3.6	4.4	5.3	6.2	7.0	7.8	8.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	10.0	11.5	13.1	14.7	14.8	14.8	14.7	14.5	15.1	15.7	16.3
85°	20.0	23.0	31.9	40.5	44.7	47.3	48.4	48.2	56.1	65.2	75.1
82.5°	62.3	75.2	87.4	99.1	102.1	102.2	101.2	101.5	119.9	141.1	162.7
80°	111.0	127.3	148.9	168.1	176.4	180.7	182.7	182.4	205.7	236.7	269.4
77.5°	176.1	203.6	227.4	247.8	258.7	268.4	276.2	282.2	312.2	351.5	390.5
75°	250.3	280.4	310.3	336.4	354.6	368.1	380.7	401.0	440.2	486.1	525.9
72.5°	328.6	367.0	400.4	428.6	454.2	481.4	511.8	545.1	586.5	632.3	674.0
70°	412.2	454.4	489.3	523.4	558.3	599.0	644.6	689.5	735.7	786.2	834.8
67.5°	493.9	534.7	575.8	618.8	671.0	725.5	779.4	841.3	904.7	960.8	1010.9
65°	564.9	612.7	664.2	722.6	787.0	856.2	928.2	1002.5	1082.8	1150.2	1211.6
62.5°	632.8	690.3	752.8	825.5	907.7	989.7	1081.5	1174.5	1264.9	1344.2	1417.6
60°	695.3	764.9	844.0	933.2	1029.2	1138.1	1242.6	1348.3	1447.5	1537.3	1630.1
57.5°	756.2	843.8	938.6	1045.7	1167.0	1289.4	1412.3	1526.0	1638.2	1747.7	1852.6
55°	820.5	926.1	1039.0	1170.3	1307.0	1451.8	1584.1	1711.1	1834.8	1967.6	2093.9
52.5°	891.4	1009.3	1150.5	1297.5	1455.5	1610.8	1756.3	1900.9	2050.4	2200.7	2365.2
50°	959.7	1106.7	1261.5	1432.4	1603.1	1769.6	1936.4	2102.8	2282.0	2466.4	2652.7
47.5°	1039.6	1199.9	1382.8	1566.2	1752.7	1937.9	2123.7	2324.9	2528.5	2742.3	2948.4
45°	1120.4	1300.7	1497.7	1705.1	1906.7	2111.8	2329.1	2551.5	2790.2	3025.4	3273.3
42.5°	1196.9	1400.8	1618.0	1841.9	2066.2	2295.3	2534.3	2794.2	3054.9	3326.2	3598.7
40°	1281.8	1496.1	1735.5	1982.1	2225.5	2479.5	2752.6	3034.1	3329.1	3627.4	3923.3
37.5°	1363.4	1598.9	1850.6	2116.0	2389.2	2668.3	2964.9	3284.3	3604.3	3925.3	4251.6
35°	1439.8	1696.4	1969.0	2250.8	2540.5	2858.0	3189.5	3530.5	3877.2	4224.4	4575.4
32.5°	1518.3	1788.3	2082.2	2383.8	2703.0	3043.5	3406.6	3776.1	4145.4	4516.2	4900.3
30°	1597.1	1884.7	2191.8	2509.5	2858.7	3229.7	3619.9	4011.3	4402.0	4810.0	5219.4
27.5°	1671.5	1976.2	2299.5	2639.4	3007.9	3402.1	3816.5	4235.8	4657.1	5090.8	5527.5
25°	1740.1	2062.8	2399.4	2764.5	3155.0	3568.0	3999.8	4437.3	4899.2	5363.4	5819.3
22.5°	1806.9	2142.4	2492.0	2879.7	3288.3	3722.0	4171.6	4633.7	5116.3	5614.8	6086.6
20°	1871.1	2218.2	2582.1	2984.1	3407.7	3860.8	4327.9	4811.7	5318.0	5829.8	6337.4
17.5°	1928.3	2285.6	2666.0	3081.7	3521.7	3987.5	4468.6	4968.3	5497.2	6027.7	6565.6
15°	1978.0	2344.2	2738.6	3166.9	3622.4	4102.8	4599.2	5113.1	5655.7	6208.1	6767.2
12.5°	2020.0	2393.8	2799.8	3239.3	3707.9	4201.6	4711.5	5243.5	5800.7	6368.5	6943.9
10°	2054.2	2434.3	2849.2	3298.4	3777.7	4283.4	4803.9	5350.9	5924.8	6505.0	7092.5
7.5°	2083.3	2468.0	2888.5	3344.1	3831.5	4347.3	4875.9	5434.7	6023.7	6611.5	7211.8
5°	2104.4	2495.4	2924.6	3382.3	3878.3	4397.3	4930.5	5494.5	6096.0	6687.3	7298.3
2.5°	2117.2	2513.1	2949.1	3407.2	3915.0	4434.8	4978.9	5547.2	6149.0	6747.4	7363.4
0°	2121.4	2521.1	2961.7	3417.8	3935.3	4452.9	5006.3	5575.0	6174.6	6784.3	7404.3
-2.5°	2117.2	2513.1	2949.1	3407.2	3915.0	4434.8	4978.9	5547.2	6149.0	6747.4	7363.4
-5°	2104.4	2495.4	2924.6	3382.3	3878.3	4397.3	4930.5	5494.5	6096.0	6687.3	7298.3
-7.5°	2083.3	2468.0	2888.5	3344.1	3831.5	4347.3	4875.9	5434.7	6023.7	6611.5	7211.8
-10°	2054.2	2434.3	2849.2	3298.4	3777.7	4283.4	4803.9	5350.9	5924.8	6505.0	7092.5
-12.5°	2020.0	2393.8	2799.8	3239.3	3707.9	4201.6	4711.5	5243.5	5800.7	6368.5	6943.9
-15°	1978.0	2344.2	2738.6	3166.9	3622.4	4102.8	4599.2	5113.1	5655.7	6208.1	6767.2
-17.5°	1928.3	2285.6	2666.0	3081.7	3521.7	3987.5	4468.6	4968.3	5497.2	6027.7	6565.6
-20°	1871.1	2218.2	2582.1	2984.1	3407.7	3860.8	4327.9	4811.7	5318.0	5829.8	6337.4



REPORT NUMBER: P627301 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3E-750-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1806.9	2142.4	2492.0	2879.7	3288.3	3722.0	4171.6	4633.7	5116.3	5614.8	6086.6
-25°	1740.1	2062.8	2399.4	2764.5	3155.0	3568.0	3999.8	4437.3	4899.2	5363.4	5819.3
-27.5°	1671.5	1976.2	2299.5	2639.4	3007.9	3402.1	3816.5	4235.8	4657.1	5090.8	5527.5
-30°	1597.1	1884.7	2191.8	2509.5	2858.7	3229.7	3619.9	4011.3	4402.0	4810.0	5219.4
-32.5°	1518.3	1788.3	2082.2	2383.8	2703.0	3043.5	3406.6	3776.1	4145.4	4516.2	4900.3
-35°	1439.8	1696.4	1969.0	2250.8	2540.5	2858.0	3189.5	3530.5	3877.2	4224.4	4575.4
-37.5°	1363.4	1598.9	1850.6	2116.0	2389.2	2668.3	2964.9	3284.3	3604.3	3925.3	4251.6
-40°	1281.8	1496.1	1735.5	1982.1	2225.5	2479.5	2752.6	3034.1	3329.1	3627.4	3923.3
-42.5°	1196.9	1400.8	1618.0	1841.9	2066.2	2295.3	2534.3	2794.2	3054.9	3326.2	3598.7
-45°	1120.4	1300.7	1497.7	1705.1	1906.7	2111.8	2329.1	2551.5	2790.2	3025.4	3273.3
-47.5°	1039.6	1199.9	1382.8	1566.2	1752.7	1937.9	2123.7	2324.9	2528.5	2742.3	2948.4
-50°	959.7	1106.7	1261.5	1432.4	1603.1	1769.6	1936.4	2102.8	2282.0	2466.4	2652.7
-52.5°	891.4	1009.3	1150.5	1297.5	1455.5	1610.8	1756.3	1900.9	2050.4	2200.7	2365.2
-55°	820.5	926.1	1039.0	1170.3	1307.0	1451.8	1584.1	1711.1	1834.8	1967.6	2093.9
-57.5°	756.2	843.8	938.6	1045.7	1167.0	1289.4	1412.3	1526.0	1638.2	1747.7	1852.6
-60°	695.3	764.9	844.0	933.2	1029.2	1138.1	1242.6	1348.3	1447.5	1537.3	1630.1
-62.5°	632.8	690.3	752.8	825.5	907.7	989.7	1081.5	1174.5	1264.9	1344.2	1417.6
-65°	564.9	612.7	664.2	722.6	787.0	856.2	928.2	1002.5	1082.8	1150.2	1211.6
-67.5°	493.9	534.7	575.8	618.8	671.0	725.5	779.4	841.3	904.7	960.8	1010.9
-70°	412.2	454.4	489.3	523.4	558.3	599.0	644.6	689.5	735.7	786.2	834.8
-72.5°	328.6	367.0	400.4	428.6	454.2	481.4	511.8	545.1	586.5	632.3	674.0
-75°	250.3	280.4	310.3	336.4	354.6	368.1	380.7	401.0	440.2	486.1	525.9
-77.5°	176.1	203.6	227.4	247.8	258.7	268.4	276.2	282.2	312.2	351.5	390.5
-80°	111.0	127.3	148.9	168.1	176.4	180.7	182.7	182.4	205.7	236.7	269.4
-82.5°	62.3	75.2	87.4	99.1	102.1	102.2	101.2	101.5	119.9	141.1	162.7
-85°	20.0	23.0	31.9	40.5	44.7	47.3	48.4	48.2	56.1	65.2	75.1
-87.5°	10.0	11.5	13.1	14.7	14.8	14.8	14.7	14.5	15.1	15.7	16.3
-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: P627301 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3E-750-U-VWR-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°	16.8	17.3	17.8	18.2	18.6	18.9	19.3	19.6	19.8	18.8	17.7
85°	85.6	91.7	97.3	102.7	107.9	112.7	117.3	121.6	125.5	114.6	102.6
82.5°	184.8	199.7	213.8	227.8	241.7	245.3	246.4	245.8	243.9	224.8	203.6
80°	301.7	326.8	350.5	374.0	397.2	399.8	397.2	392.4	385.6	360.5	332.2
77.5°	429.3	460.9	488.6	514.0	537.0	541.4	540.8	539.6	537.8	512.2	481.2
75°	560.1	591.0	620.8	646.2	667.4	677.1	681.9	685.3	687.1	668.8	644.7
72.5°	711.7	743.9	770.2	794.8	815.7	830.8	841.6	849.8	855.4	849.8	840.0
70°	876.3	910.8	939.8	967.7	995.9	1018.6	1035.7	1048.1	1056.0	1061.1	1064.7
67.5°	1061.6	1107.9	1148.3	1182.8	1217.0	1249.1	1275.4	1296.9	1313.5	1327.7	1338.5
65°	1270.3	1329.5	1382.0	1430.3	1474.5	1521.0	1559.1	1591.1	1616.9	1638.2	1655.3
62.5°	1489.7	1562.4	1629.8	1695.2	1759.3	1822.4	1870.9	1915.0	1954.3	1988.0	2014.9
60°	1717.8	1800.3	1890.8	1977.2	2056.7	2129.3	2201.4	2263.9	2317.3	2361.7	2397.5
57.5°	1963.0	2069.8	2175.6	2282.8	2384.2	2479.0	2567.8	2646.1	2712.3	2766.6	2812.3
55°	2227.8	2361.4	2484.0	2619.3	2750.1	2869.2	2974.0	3066.1	3145.7	3212.5	3269.1
52.5°	2518.9	2681.2	2840.6	2994.5	3143.0	3281.1	3406.6	3513.9	3609.3	3691.1	3756.4
50°	2837.4	3023.2	3207.9	3379.2	3549.8	3708.9	3852.7	3977.2	4088.2	4184.4	4260.0
47.5°	3170.7	3382.1	3588.4	3784.4	3973.1	4150.0	4305.8	4447.7	4586.1	4699.0	4788.3
45°	3516.6	3753.8	3981.3	4205.5	4413.4	4611.6	4803.8	4980.5	5122.6	5246.9	5351.4
42.5°	3866.8	4131.4	4386.2	4630.7	4859.3	5088.6	5304.7	5497.9	5659.9	5801.3	5920.0
40°	4221.6	4511.2	4791.9	5058.5	5319.8	5569.8	5803.6	6007.3	6190.0	6358.0	6498.0
37.5°	4574.5	4893.2	5204.2	5502.9	5790.6	6061.4	6314.0	6544.1	6750.3	6941.6	7097.0
35°	4929.0	5278.6	5619.1	5947.8	6262.1	6560.9	6837.5	7099.4	7342.4	7536.1	7695.1
32.5°	5282.2	5658.0	6028.6	6390.5	6734.4	7056.6	7356.2	7645.6	7895.6	8108.6	8291.3
30°	5623.9	6031.1	6434.6	6827.0	7198.5	7547.6	7879.4	8185.4	8454.2	8687.2	8892.1
27.5°	5959.2	6396.6	6829.6	7248.8	7650.5	8029.9	8392.0	8723.8	9017.1	9270.3	9486.4
25°	6276.1	6746.3	7207.8	7652.2	8081.4	8499.9	8890.8	9252.9	9566.2	9844.2	10066.3
22.5°	6578.9	7080.3	7565.3	8032.8	8491.9	8942.9	9370.9	9749.0	10081.1	10371.6	10617.4
20°	6861.0	7398.3	7894.5	8389.0	8872.4	9354.0	9813.6	10212.6	10563.9	10873.2	11144.2
17.5°	7124.7	7675.9	8198.3	8724.7	9234.2	9739.5	10206.4	10634.0	11013.1	11341.6	11625.3
15°	7347.9	7904.6	8475.1	9037.1	9574.5	10086.1	10552.6	10999.2	11420.1	11775.3	12063.1
12.5°	7528.7	8107.6	8702.8	9299.4	9867.8	10378.6	10867.0	11320.1	11762.1	12161.2	12425.7
10°	7682.8	8278.8	8893.3	9501.7	10077.7	10618.3	11149.2	11628.3	12062.7	12420.0	12715.4
7.5°	7816.0	8430.0	9054.0	9663.5	10237.5	10796.0	11342.6	11851.4	12289.9	12626.6	12890.0
5°	7914.2	8542.8	9178.9	9794.0	10376.0	10936.3	11485.4	11987.8	12415.9	12758.4	13045.7
2.5°	7984.5	8618.9	9259.6	9875.6	10470.5	11032.3	11595.0	12103.1	12517.6	12831.5	13106.5
0°	8029.5	8664.9	9310.5	9940.8	10524.9	11068.1	11672.7	12149.3	12579.7	12892.3	13179.2
-2.5°	7984.5	8618.9	9259.6	9875.6	10470.5	11032.3	11595.0	12103.1	12517.6	12831.5	13106.5
-5°	7914.2	8542.8	9178.9	9794.0	10376.0	10936.3	11485.4	11987.8	12415.9	12758.4	13045.7
-7.5°	7816.0	8430.0	9054.0	9663.5	10237.5	10796.0	11342.6	11851.4	12289.9	12626.6	12890.0
-10°	7682.8	8278.8	8893.3	9501.7	10077.7	10618.3	11149.2	11628.3	12062.7	12420.0	12715.4
-12.5°	7528.7	8107.6	8702.8	9299.4	9867.8	10378.6	10867.0	11320.1	11762.1	12161.2	12425.7
-15°	7347.9	7904.6	8475.1	9037.1	9574.5	10086.1	10552.6	10999.2	11420.1	11775.3	12063.1
-17.5°	7124.7	7675.9	8198.3	8724.7	9234.2	9739.5	10206.4	10634.0	11013.1	11341.6	11625.3
-20°	6861.0	7398.3	7894.5	8389.0	8872.4	9354.0	9813.6	10212.6	10563.9	10873.2	11144.2



REPORT NUMBER: P627301 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3E-750-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	6578.9	7080.3	7565.3	8032.8	8491.9	8942.9	9370.9	9749.0	10081.1	10371.6	10617.4
-25°	6276.1	6746.3	7207.8	7652.2	8081.4	8499.9	8890.8	9252.9	9566.2	9844.2	10066.3
-27.5°	5959.2	6396.6	6829.6	7248.8	7650.5	8029.9	8392.0	8723.8	9017.1	9270.3	9486.4
-30°	5623.9	6031.1	6434.6	6827.0	7198.5	7547.6	7879.4	8185.4	8454.2	8687.2	8892.1
-32.5°	5282.2	5658.0	6028.6	6390.5	6734.4	7056.6	7356.2	7645.6	7895.6	8108.6	8291.3
-35°	4929.0	5278.6	5619.1	5947.8	6262.1	6560.9	6837.5	7099.4	7342.4	7536.1	7695.1
-37.5°	4574.5	4893.2	5204.2	5502.9	5790.6	6061.4	6314.0	6544.1	6750.3	6941.6	7097.0
-40°	4221.6	4511.2	4791.9	5058.5	5319.8	5569.8	5803.6	6007.3	6190.0	6358.0	6498.0
-42.5°	3866.8	4131.4	4386.2	4630.7	4859.3	5088.6	5304.7	5497.9	5659.9	5801.3	5920.0
-45°	3516.6	3753.8	3981.3	4205.5	4413.4	4611.6	4803.8	4980.5	5122.6	5246.9	5351.4
-47.5°	3170.7	3382.1	3588.4	3784.4	3973.1	4150.0	4305.8	4447.7	4586.1	4699.0	4788.3
-50°	2837.4	3023.2	3207.9	3379.2	3549.8	3708.9	3852.7	3977.2	4088.2	4184.4	4260.0
-52.5°	2518.9	2681.2	2840.6	2994.5	3143.0	3281.1	3406.6	3513.9	3609.3	3691.1	3756.4
-55°	2227.8	2361.4	2484.0	2619.3	2750.1	2869.2	2974.0	3066.1	3145.7	3212.5	3269.1
-57.5°	1963.0	2069.8	2175.6	2282.8	2384.2	2479.0	2567.8	2646.1	2712.3	2766.6	2812.3
-60°	1717.8	1800.3	1890.8	1977.2	2056.7	2129.3	2201.4	2263.9	2317.3	2361.7	2397.5
-62.5°	1489.7	1562.4	1629.8	1695.2	1759.3	1822.4	1870.9	1915.0	1954.3	1988.0	2014.9
-65°	1270.3	1329.5	1382.0	1430.3	1474.5	1521.0	1559.1	1591.1	1616.9	1638.2	1655.3
-67.5°	1061.6	1107.9	1148.3	1182.8	1217.0	1249.1	1275.4	1296.9	1313.5	1327.7	1338.5
-70°	876.3	910.8	939.8	967.7	995.9	1018.6	1035.7	1048.1	1056.0	1061.1	1064.7
-72.5°	711.7	743.9	770.2	794.8	815.7	830.8	841.6	849.8	855.4	849.8	840.0
-75°	560.1	591.0	620.8	646.2	667.4	677.1	681.9	685.3	687.1	668.8	644.7
-77.5°	429.3	460.9	488.6	514.0	537.0	541.4	540.8	539.6	537.8	512.2	481.2
-80°	301.7	326.8	350.5	374.0	397.2	399.8	397.2	392.4	385.6	360.5	332.2
-82.5°	184.8	199.7	213.8	227.8	241.7	245.3	246.4	245.8	243.9	224.8	203.6
-85°	85.6	91.7	97.3	102.7	107.9	112.7	117.3	121.6	125.5	114.6	102.6
-87.5°	16.8	17.3	17.8	18.2	18.6	18.9	19.3	19.6	19.8	18.8	17.7
-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: P627301 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3E-750-U-VWR-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°	16.5	15.3	15.4	15.4	15.4	15.3	16.5	17.7	18.8	19.8	19.6
85°	89.9	76.5	71.7	66.6	71.7	76.5	89.9	102.6	114.6	125.5	121.6
82.5°	181.4	158.3	151.0	143.5	151.0	158.3	181.4	203.6	224.8	243.9	245.8
80°	302.2	270.9	258.6	246.0	258.6	270.9	302.2	332.2	360.5	385.6	392.4
77.5°	448.5	414.1	399.4	384.3	399.4	414.1	448.5	481.2	512.2	537.8	539.6
75°	619.3	592.4	576.0	558.5	576.0	592.4	619.3	644.7	668.8	687.1	685.3
72.5°	828.7	815.6	803.7	789.1	803.7	815.6	828.7	840.0	849.8	855.4	849.8
70°	1066.0	1064.3	1066.4	1065.8	1066.4	1064.3	1066.0	1064.7	1061.1	1056.0	1048.1
67.5°	1344.1	1344.5	1350.2	1352.8	1350.2	1344.5	1344.1	1338.5	1327.7	1313.5	1296.9
65°	1665.8	1669.7	1668.3	1660.2	1668.3	1669.7	1665.8	1655.3	1638.2	1616.9	1591.1
62.5°	2034.0	2045.0	2051.0	2049.6	2051.0	2045.0	2034.0	2014.9	1988.0	1954.3	1915.0
60°	2424.2	2441.5	2450.2	2449.3	2450.2	2441.5	2424.2	2397.5	2361.7	2317.3	2263.9
57.5°	2846.2	2868.5	2873.7	2864.4	2873.7	2868.5	2846.2	2812.3	2766.6	2712.3	2646.1
55°	3311.8	3340.2	3351.2	3346.0	3351.2	3340.2	3311.8	3269.1	3212.5	3145.7	3066.1
52.5°	3804.2	3834.9	3845.8	3838.0	3845.8	3834.9	3804.2	3756.4	3691.1	3609.3	3513.9
50°	4315.5	4352.7	4367.7	4360.6	4367.7	4352.7	4315.5	4260.0	4184.4	4088.2	3977.2
47.5°	4858.3	4907.9	4927.1	4914.0	4927.1	4907.9	4858.3	4788.3	4699.0	4586.1	4447.7
45°	5429.4	5480.8	5500.8	5487.9	5500.8	5480.8	5429.4	5351.4	5246.9	5122.6	4980.5
42.5°	6010.8	6077.6	6105.8	6082.3	6105.8	6077.6	6010.8	5920.0	5801.3	5659.9	5497.9
40°	6602.4	6674.9	6708.3	6692.1	6708.3	6674.9	6602.4	6498.0	6358.0	6190.0	6007.3
37.5°	7209.2	7281.3	7316.7	7317.2	7316.7	7281.3	7209.2	7097.0	6941.6	6750.3	6544.1
35°	7818.2	7905.6	7955.0	7952.6	7955.0	7905.6	7818.2	7695.1	7536.1	7342.4	7099.4
32.5°	8435.8	8530.4	8580.9	8588.0	8580.9	8530.4	8435.8	8291.3	8108.6	7895.6	7645.6
30°	9052.3	9156.3	9214.8	9238.8	9214.8	9156.3	9052.3	8892.1	8687.2	8454.2	8185.4
27.5°	9650.3	9778.2	9866.5	9874.2	9866.5	9778.2	9650.3	9486.4	9270.3	9017.1	8723.8
25°	10229.3	10359.6	10450.1	10468.6	10450.1	10359.6	10229.3	10066.3	9844.2	9566.2	9252.9
22.5°	10800.0	10936.2	11019.8	11052.7	11019.8	10936.2	10800.0	10617.4	10371.6	10081.1	9749.0
20°	11344.9	11492.4	11581.0	11616.4	11581.0	11492.4	11344.9	11144.2	10873.2	10563.9	10212.6
17.5°	11837.7	11993.7	12103.2	12133.9	12103.2	11993.7	11837.7	11625.3	11341.6	11013.1	10634.0
15°	12271.5	12419.4	12523.3	12564.3	12523.3	12419.4	12271.5	12063.1	11775.3	11420.1	10999.2
12.5°	12624.6	12756.8	12838.2	12876.9	12838.2	12756.8	12624.6	12425.7	12161.2	11762.1	11320.1
10°	12900.4	13033.1	13110.9	13163.8	13110.9	13033.1	12900.4	12715.4	12420.0	12062.7	11628.3
7.5°	13139.8	13275.8	13370.9	13445.7	13370.9	13275.8	13139.8	12890.0	12626.6	12289.9	11851.4
5°	13271.9	13499.0	13533.2	13584.0	13533.2	13499.0	13271.9	13045.7	12758.4	12415.9	11987.8
2.5°	13372.7	13533.7	13630.5	13619.9	13630.5	13533.7	13372.7	13106.5	12831.5	12517.6	12103.1
0°	13445.7	13589.2	13625.0	13671.1	13625.0	13589.2	13445.7	13179.2	12892.3	12579.7	12149.3
-2.5°	13372.7	13533.7	13630.5	13619.9	13630.5	13533.7	13372.7	13106.5	12831.5	12517.6	12103.1
-5°	13271.9	13499.0	13533.2	13584.0	13533.2	13499.0	13271.9	13045.7	12758.4	12415.9	11987.8
-7.5°	13139.8	13275.8	13370.9	13445.7	13370.9	13275.8	13139.8	12890.0	12626.6	12289.9	11851.4
-10°	12900.4	13033.1	13110.9	13163.8	13110.9	13033.1	12900.4	12715.4	12420.0	12062.7	11628.3
-12.5°	12624.6	12756.8	12838.2	12876.9	12838.2	12756.8	12624.6	12425.7	12161.2	11762.1	11320.1
-15°	12271.5	12419.4	12523.3	12564.3	12523.3	12419.4	12271.5	12063.1	11775.3	11420.1	10999.2
-17.5°	11837.7	11993.7	12103.2	12133.9	12103.2	11993.7	11837.7	11625.3	11341.6	11013.1	10634.0
-20°	11344.9	11492.4	11581.0	11616.4	11581.0	11492.4	11344.9	11144.2	10873.2	10563.9	10212.6



REPORT NUMBER: P627301 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3E-750-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	10800.0	10936.2	11019.8	11052.7	11019.8	10936.2	10800.0	10617.4	10371.6	10081.1	9749.0
-25°	10229.3	10359.6	10450.1	10468.6	10450.1	10359.6	10229.3	10066.3	9844.2	9566.2	9252.9
-27.5°	9650.3	9778.2	9866.5	9874.2	9866.5	9778.2	9650.3	9486.4	9270.3	9017.1	8723.8
-30°	9052.3	9156.3	9214.8	9238.8	9214.8	9156.3	9052.3	8892.1	8687.2	8454.2	8185.4
-32.5°	8435.8	8530.4	8580.9	8588.0	8580.9	8530.4	8435.8	8291.3	8108.6	7895.6	7645.6
-35°	7818.2	7905.6	7955.0	7952.6	7955.0	7905.6	7818.2	7695.1	7536.1	7342.4	7099.4
-37.5°	7209.2	7281.3	7316.7	7317.2	7316.7	7281.3	7209.2	7097.0	6941.6	6750.3	6544.1
-40°	6602.4	6674.9	6708.3	6692.1	6708.3	6674.9	6602.4	6498.0	6358.0	6190.0	6007.3
-42.5°	6010.8	6077.6	6105.8	6082.3	6105.8	6077.6	6010.8	5920.0	5801.3	5659.9	5497.9
-45°	5429.4	5480.8	5500.8	5487.9	5500.8	5480.8	5429.4	5351.4	5246.9	5122.6	4980.5
-47.5°	4858.3	4907.9	4927.1	4914.0	4927.1	4907.9	4858.3	4788.3	4699.0	4586.1	4447.7
-50°	4315.5	4352.7	4367.7	4360.6	4367.7	4352.7	4315.5	4260.0	4184.4	4088.2	3977.2
-52.5°	3804.2	3834.9	3845.8	3838.0	3845.8	3834.9	3804.2	3756.4	3691.1	3609.3	3513.9
-55°	3311.8	3340.2	3351.2	3346.0	3351.2	3340.2	3311.8	3269.1	3212.5	3145.7	3066.1
-57.5°	2846.2	2868.5	2873.7	2864.4	2873.7	2868.5	2846.2	2812.3	2766.6	2712.3	2646.1
-60°	2424.2	2441.5	2450.2	2449.3	2450.2	2441.5	2424.2	2397.5	2361.7	2317.3	2263.9
-62.5°	2034.0	2045.0	2051.0	2049.6	2051.0	2045.0	2034.0	2014.9	1988.0	1954.3	1915.0
-65°	1665.8	1669.7	1668.3	1660.2	1668.3	1669.7	1665.8	1655.3	1638.2	1616.9	1591.1
-67.5°	1344.1	1344.5	1350.2	1352.8	1350.2	1344.5	1344.1	1338.5	1327.7	1313.5	1296.9
-70°	1066.0	1064.3	1066.4	1065.8	1066.4	1064.3	1066.0	1064.7	1061.1	1056.0	1048.1
-72.5°	828.7	815.6	803.7	789.1	803.7	815.6	828.7	840.0	849.8	855.4	849.8
-75°	619.3	592.4	576.0	558.5	576.0	592.4	619.3	644.7	668.8	687.1	685.3
-77.5°	448.5	414.1	399.4	384.3	399.4	414.1	448.5	481.2	512.2	537.8	539.6
-80°	302.2	270.9	258.6	246.0	258.6	270.9	302.2	332.2	360.5	385.6	392.4
-82.5°	181.4	158.3	151.0	143.5	151.0	158.3	181.4	203.6	224.8	243.9	245.8
-85°	89.9	76.5	71.7	66.6	71.7	76.5	89.9	102.6	114.6	125.5	121.6
-87.5°	16.5	15.3	15.4	15.4	15.4	15.3	16.5	17.7	18.8	19.8	19.6
-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: P627301 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3E-750-U-VWR-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°	19.3	18.9	18.6	18.2	17.8	17.3	16.8	16.3	15.7	15.1	14.5
85°	117.3	112.7	107.9	102.7	97.3	91.7	85.6	75.1	65.2	56.1	48.2
82.5°	246.4	245.3	241.7	227.8	213.8	199.7	184.8	162.7	141.1	119.9	101.5
80°	397.2	399.8	397.2	374.0	350.5	326.8	301.7	269.4	236.7	205.7	182.4
77.5°	540.8	541.4	537.0	514.0	488.6	460.9	429.3	390.5	351.5	312.2	282.2
75°	681.9	677.1	667.4	646.2	620.8	591.0	560.1	525.9	486.1	440.2	401.0
72.5°	841.6	830.8	815.7	794.8	770.2	743.9	711.7	674.0	632.3	586.5	545.1
70°	1035.7	1018.6	995.9	967.7	939.8	910.8	876.3	834.8	786.2	735.7	689.5
67.5°	1275.4	1249.1	1217.0	1182.8	1148.3	1107.9	1061.6	1010.9	960.8	904.7	841.3
65°	1559.1	1521.0	1474.5	1430.3	1382.0	1329.5	1270.3	1211.6	1150.2	1082.8	1002.5
62.5°	1870.9	1822.4	1759.3	1695.2	1629.8	1562.4	1489.7	1417.6	1344.2	1264.9	1174.5
60°	2201.4	2129.3	2056.7	1977.2	1890.8	1800.3	1717.8	1630.1	1537.3	1447.5	1348.3
57.5°	2567.8	2479.0	2384.2	2282.8	2175.6	2069.8	1963.0	1852.6	1747.7	1638.2	1526.0
55°	2974.0	2869.2	2750.1	2619.3	2484.0	2361.4	2227.8	2093.9	1967.6	1834.8	1711.1
52.5°	3406.6	3281.1	3143.0	2994.5	2840.6	2681.2	2518.9	2365.2	2200.7	2050.4	1900.9
50°	3852.7	3708.9	3549.8	3379.2	3207.9	3023.2	2837.4	2652.7	2466.4	2282.0	2102.8
47.5°	4305.8	4150.0	3973.1	3784.4	3588.4	3382.1	3170.7	2948.4	2742.3	2528.5	2324.9
45°	4803.8	4611.6	4413.4	4205.5	3981.3	3753.8	3516.6	3273.3	3025.4	2790.2	2551.5
42.5°	5304.7	5088.6	4859.3	4630.7	4386.2	4131.4	3866.8	3598.7	3326.2	3054.9	2794.2
40°	5803.6	5569.8	5319.8	5058.5	4791.9	4511.2	4221.6	3923.3	3627.4	3329.1	3034.1
37.5°	6314.0	6061.4	5790.6	5502.9	5204.2	4893.2	4574.5	4251.6	3925.3	3604.3	3284.3
35°	6837.5	6560.9	6262.1	5947.8	5619.1	5278.6	4929.0	4575.4	4224.4	3877.2	3530.5
32.5°	7356.2	7056.6	6734.4	6390.5	6028.6	5658.0	5282.2	4900.3	4516.2	4145.4	3776.1
30°	7879.4	7547.6	7198.5	6827.0	6434.6	6031.1	5623.9	5219.4	4810.0	4402.0	4011.3
27.5°	8392.0	8029.9	7650.5	7248.8	6829.6	6396.6	5959.2	5527.5	5090.8	4657.1	4235.8
25°	8890.8	8499.9	8081.4	7652.2	7207.8	6746.3	6276.1	5819.3	5363.4	4899.2	4437.3
22.5°	9370.9	8942.9	8491.9	8032.8	7565.3	7080.3	6578.9	6086.6	5614.8	5116.3	4633.7
20°	9813.6	9354.0	8872.4	8389.0	7894.5	7398.3	6861.0	6337.4	5829.8	5318.0	4811.7
17.5°	10206.4	9739.5	9234.2	8724.7	8198.3	7675.9	7124.7	6565.6	6027.7	5497.2	4968.3
15°	10552.6	10086.1	9574.5	9037.1	8475.1	7904.6	7347.9	6767.2	6208.1	5655.7	5113.1
12.5°	10867.0	10378.6	9867.8	9299.4	8702.8	8107.6	7528.7	6943.9	6368.5	5800.7	5243.5
10°	11149.2	10618.3	10077.7	9501.7	8893.3	8278.8	7682.8	7092.5	6505.0	5924.8	5350.9
7.5°	11342.6	10796.0	10237.5	9663.5	9054.0	8430.0	7816.0	7211.8	6611.5	6023.7	5434.7
5°	11485.4	10936.3	10376.0	9794.0	9178.9	8542.8	7914.2	7298.3	6687.3	6096.0	5494.5
2.5°	11595.0	11032.3	10470.5	9875.6	9259.6	8618.9	7984.5	7363.4	6747.4	6149.0	5547.2
0°	11672.7	11068.1	10524.9	9940.8	9310.5	8664.9	8029.5	7404.3	6784.3	6174.6	5575.0
-2.5°	11595.0	11032.3	10470.5	9875.6	9259.6	8618.9	7984.5	7363.4	6747.4	6149.0	5547.2
-5°	11485.4	10936.3	10376.0	9794.0	9178.9	8542.8	7914.2	7298.3	6687.3	6096.0	5494.5
-7.5°	11342.6	10796.0	10237.5	9663.5	9054.0	8430.0	7816.0	7211.8	6611.5	6023.7	5434.7
-10°	11149.2	10618.3	10077.7	9501.7	8893.3	8278.8	7682.8	7092.5	6505.0	5924.8	5350.9
-12.5°	10867.0	10378.6	9867.8	9299.4	8702.8	8107.6	7528.7	6943.9	6368.5	5800.7	5243.5
-15°	10552.6	10086.1	9574.5	9037.1	8475.1	7904.6	7347.9	6767.2	6208.1	5655.7	5113.1
-17.5°	10206.4	9739.5	9234.2	8724.7	8198.3	7675.9	7124.7	6565.6	6027.7	5497.2	4968.3
-20°	9813.6	9354.0	8872.4	8389.0	7894.5	7398.3	6861.0	6337.4	5829.8	5318.0	4811.7



REPORT NUMBER: P627301 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3E-750-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	9370.9	8942.9	8491.9	8032.8	7565.3	7080.3	6578.9	6086.6	5614.8	5116.3	4633.7
-25°	8890.8	8499.9	8081.4	7652.2	7207.8	6746.3	6276.1	5819.3	5363.4	4899.2	4437.3
-27.5°	8392.0	8029.9	7650.5	7248.8	6829.6	6396.6	5959.2	5527.5	5090.8	4657.1	4235.8
-30°	7879.4	7547.6	7198.5	6827.0	6434.6	6031.1	5623.9	5219.4	4810.0	4402.0	4011.3
-32.5°	7356.2	7056.6	6734.4	6390.5	6028.6	5658.0	5282.2	4900.3	4516.2	4145.4	3776.1
-35°	6837.5	6560.9	6262.1	5947.8	5619.1	5278.6	4929.0	4575.4	4224.4	3877.2	3530.5
-37.5°	6314.0	6061.4	5790.6	5502.9	5204.2	4893.2	4574.5	4251.6	3925.3	3604.3	3284.3
-40°	5803.6	5569.8	5319.8	5058.5	4791.9	4511.2	4221.6	3923.3	3627.4	3329.1	3034.1
-42.5°	5304.7	5088.6	4859.3	4630.7	4386.2	4131.4	3866.8	3598.7	3326.2	3054.9	2794.2
-45°	4803.8	4611.6	4413.4	4205.5	3981.3	3753.8	3516.6	3273.3	3025.4	2790.2	2551.5
-47.5°	4305.8	4150.0	3973.1	3784.4	3588.4	3382.1	3170.7	2948.4	2742.3	2528.5	2324.9
-50°	3852.7	3708.9	3549.8	3379.2	3207.9	3023.2	2837.4	2652.7	2466.4	2282.0	2102.8
-52.5°	3406.6	3281.1	3143.0	2994.5	2840.6	2681.2	2518.9	2365.2	2200.7	2050.4	1900.9
-55°	2974.0	2869.2	2750.1	2619.3	2484.0	2361.4	2227.8	2093.9	1967.6	1834.8	1711.1
-57.5°	2567.8	2479.0	2384.2	2282.8	2175.6	2069.8	1963.0	1852.6	1747.7	1638.2	1526.0
-60°	2201.4	2129.3	2056.7	1977.2	1890.8	1800.3	1717.8	1630.1	1537.3	1447.5	1348.3
-62.5°	1870.9	1822.4	1759.3	1695.2	1629.8	1562.4	1489.7	1417.6	1344.2	1264.9	1174.5
-65°	1559.1	1521.0	1474.5	1430.3	1382.0	1329.5	1270.3	1211.6	1150.2	1082.8	1002.5
-67.5°	1275.4	1249.1	1217.0	1182.8	1148.3	1107.9	1061.6	1010.9	960.8	904.7	841.3
-70°	1035.7	1018.6	995.9	967.7	939.8	910.8	876.3	834.8	786.2	735.7	689.5
-72.5°	841.6	830.8	815.7	794.8	770.2	743.9	711.7	674.0	632.3	586.5	545.1
-75°	681.9	677.1	667.4	646.2	620.8	591.0	560.1	525.9	486.1	440.2	401.0
-77.5°	540.8	541.4	537.0	514.0	488.6	460.9	429.3	390.5	351.5	312.2	282.2
-80°	397.2	399.8	397.2	374.0	350.5	326.8	301.7	269.4	236.7	205.7	182.4
-82.5°	246.4	245.3	241.7	227.8	213.8	199.7	184.8	162.7	141.1	119.9	101.5
-85°	117.3	112.7	107.9	102.7	97.3	91.7	85.6	75.1	65.2	56.1	48.2
-87.5°	19.3	18.9	18.6	18.2	17.8	17.3	16.8	16.3	15.7	15.1	14.5
-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: P627301 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3E-750-U-VWR-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°	14.7	14.8	14.8	14.7	13.1	11.5	10.0	8.7	7.8	7.0	6.2
85°	48.4	47.3	44.7	40.5	31.9	23.0	20.0	17.3	15.7	14.0	12.3
82.5°	101.2	102.2	102.1	99.1	87.4	75.2	62.3	49.0	36.3	23.1	18.4
80°	182.7	180.7	176.4	168.1	148.9	127.3	111.0	94.2	77.6	60.4	42.5
77.5°	276.2	268.4	258.7	247.8	227.4	203.6	176.1	145.0	118.8	97.6	75.5
75°	380.7	368.1	354.6	336.4	310.3	280.4	250.3	214.1	173.8	135.8	108.2
72.5°	511.8	481.4	454.2	428.6	400.4	367.0	328.6	281.9	232.9	186.8	143.4
70°	644.6	599.0	558.3	523.4	489.3	454.4	412.2	354.6	291.0	236.6	185.7
67.5°	779.4	725.5	671.0	618.8	575.8	534.7	493.9	427.0	354.1	285.5	226.9
65°	928.2	856.2	787.0	722.6	664.2	612.7	564.9	494.8	415.3	338.1	267.0
62.5°	1081.5	989.7	907.7	825.5	752.8	690.3	632.8	555.4	473.9	389.1	308.9
60°	1242.6	1138.1	1029.2	933.2	844.0	764.9	695.3	615.2	528.6	438.1	350.5
57.5°	1412.3	1289.4	1167.0	1045.7	938.6	843.8	756.2	671.8	582.5	486.4	389.3
55°	1584.1	1451.8	1307.0	1170.3	1039.0	926.1	820.5	726.2	634.5	534.0	422.8
52.5°	1756.3	1610.8	1455.5	1297.5	1150.5	1009.3	891.4	779.2	682.3	580.4	457.6
50°	1936.4	1769.6	1603.1	1432.4	1261.5	1106.7	959.7	840.0	728.7	624.6	490.7
47.5°	2123.7	1937.9	1752.7	1566.2	1382.8	1199.9	1039.6	899.4	773.6	664.5	521.4
45°	2329.1	2111.8	1906.7	1705.1	1497.7	1300.7	1120.4	956.4	824.5	695.5	549.8
42.5°	2534.3	2295.3	2066.2	1841.9	1618.0	1400.8	1196.9	1023.4	873.2	725.3	575.9
40°	2752.6	2479.5	2225.5	1982.1	1735.5	1496.1	1281.8	1088.8	918.8	756.2	600.5
37.5°	2964.9	2668.3	2389.2	2116.0	1850.6	1598.9	1363.4	1150.0	962.0	790.9	623.9
35°	3189.5	2858.0	2540.5	2250.8	1969.0	1696.4	1439.8	1211.7	1011.8	824.7	646.0
32.5°	3406.6	3043.5	2703.0	2383.8	2082.2	1788.3	1518.3	1277.1	1059.7	857.5	666.6
30°	3619.9	3229.7	2858.7	2509.5	2191.8	1884.7	1597.1	1338.2	1105.5	889.2	687.2
27.5°	3816.5	3402.1	3007.9	2639.4	2299.5	1976.2	1671.5	1394.9	1148.9	921.8	711.2
25°	3999.8	3568.0	3155.0	2764.5	2399.4	2062.8	1740.1	1447.3	1193.1	955.8	733.5
22.5°	4171.6	3722.0	3288.3	2879.7	2492.0	2142.4	1806.9	1503.2	1234.9	987.1	753.9
20°	4327.9	3860.8	3407.7	2984.1	2582.1	2218.2	1871.1	1553.2	1272.3	1015.5	772.3
17.5°	4468.6	3987.5	3521.7	3081.7	2666.0	2285.6	1928.3	1597.4	1305.1	1040.8	788.4
15°	4599.2	4102.8	3622.4	3166.9	2738.6	2344.2	1978.0	1635.4	1333.3	1062.8	803.8
12.5°	4711.5	4201.6	3707.9	3239.3	2799.8	2393.8	2020.0	1667.3	1356.6	1082.7	818.3
10°	4803.9	4283.4	3777.7	3298.4	2849.2	2434.3	2054.2	1694.1	1378.5	1099.8	829.5
7.5°	4875.9	4347.3	3831.5	3344.1	2888.5	2468.0	2083.3	1717.3	1396.2	1113.0	837.3
5°	4930.5	4397.3	3878.3	3382.3	2924.6	2495.4	2104.4	1734.0	1409.0	1122.1	841.7
2.5°	4978.9	4434.8	3915.0	3407.2	2949.1	2513.1	2117.2	1744.0	1416.8	1126.9	842.7
0°	5006.3	4452.9	3935.3	3417.8	2961.7	2521.1	2121.4	1747.3	1419.4	1127.3	840.4
-2.5°	4978.9	4434.8	3915.0	3407.2	2949.1	2513.1	2117.2	1744.0	1416.8	1126.9	842.7
-5°	4930.5	4397.3	3878.3	3382.3	2924.6	2495.4	2104.4	1734.0	1409.0	1122.1	841.7
-7.5°	4875.9	4347.3	3831.5	3344.1	2888.5	2468.0	2083.3	1717.3	1396.2	1113.0	837.3
-10°	4803.9	4283.4	3777.7	3298.4	2849.2	2434.3	2054.2	1694.1	1378.5	1099.8	829.5
-12.5°	4711.5	4201.6	3707.9	3239.3	2799.8	2393.8	2020.0	1667.3	1356.6	1082.7	818.3
-15°	4599.2	4102.8	3622.4	3166.9	2738.6	2344.2	1978.0	1635.4	1333.3	1062.8	803.8
-17.5°	4468.6	3987.5	3521.7	3081.7	2666.0	2285.6	1928.3	1597.4	1305.1	1040.8	788.4
-20°	4327.9	3860.8	3407.7	2984.1	2582.1	2218.2	1871.1	1553.2	1272.3	1015.5	772.3



REPORT NUMBER: P627301 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	4171.6	3722.0	3288.3	2879.7	2492.0	2142.4	1806.9	1503.2	1234.9	987.1	753.9
-25°	3999.8	3568.0	3155.0	2764.5	2399.4	2062.8	1740.1	1447.3	1193.1	955.8	733.5
-27.5°	3816.5	3402.1	3007.9	2639.4	2299.5	1976.2	1671.5	1394.9	1148.9	921.8	711.2
-30°	3619.9	3229.7	2858.7	2509.5	2191.8	1884.7	1597.1	1338.2	1105.5	889.2	687.2
-32.5°	3406.6	3043.5	2703.0	2383.8	2082.2	1788.3	1518.3	1277.1	1059.7	857.5	666.6
-35°	3189.5	2858.0	2540.5	2250.8	1969.0	1696.4	1439.8	1211.7	1011.8	824.7	646.0
-37.5°	2964.9	2668.3	2389.2	2116.0	1850.6	1598.9	1363.4	1150.0	962.0	790.9	623.9
-40°	2752.6	2479.5	2225.5	1982.1	1735.5	1496.1	1281.8	1088.8	918.8	756.2	600.5
-42.5°	2534.3	2295.3	2066.2	1841.9	1618.0	1400.8	1196.9	1023.4	873.2	725.3	575.9
-45°	2329.1	2111.8	1906.7	1705.1	1497.7	1300.7	1120.4	956.4	824.5	695.5	549.8
-47.5°	2123.7	1937.9	1752.7	1566.2	1382.8	1199.9	1039.6	899.4	773.6	664.5	521.4
-50°	1936.4	1769.6	1603.1	1432.4	1261.5	1106.7	959.7	840.0	728.7	624.6	490.7
-52.5°	1756.3	1610.8	1455.5	1297.5	1150.5	1009.3	891.4	779.2	682.3	580.4	457.6
-55°	1584.1	1451.8	1307.0	1170.3	1039.0	926.1	820.5	726.2	634.5	534.0	422.8
-57.5°	1412.3	1289.4	1167.0	1045.7	938.6	843.8	756.2	671.8	582.5	486.4	389.3
-60°	1242.6	1138.1	1029.2	933.2	844.0	764.9	695.3	615.2	528.6	438.1	350.5
-62.5°	1081.5	989.7	907.7	825.5	752.8	690.3	632.8	555.4	473.9	389.1	308.9
-65°	928.2	856.2	787.0	722.6	664.2	612.7	564.9	494.8	415.3	338.1	267.0
-67.5°	779.4	725.5	671.0	618.8	575.8	534.7	493.9	427.0	354.1	285.5	226.9
-70°	644.6	599.0	558.3	523.4	489.3	454.4	412.2	354.6	291.0	236.6	185.7
-72.5°	511.8	481.4	454.2	428.6	400.4	367.0	328.6	281.9	232.9	186.8	143.4
-75°	380.7	368.1	354.6	336.4	310.3	280.4	250.3	214.1	173.8	135.8	108.2
-77.5°	276.2	268.4	258.7	247.8	227.4	203.6	176.1	145.0	118.8	97.6	75.5
-80°	182.7	180.7	176.4	168.1	148.9	127.3	111.0	94.2	77.6	60.4	42.5
-82.5°	101.2	102.2	102.1	99.1	87.4	75.2	62.3	49.0	36.3	23.1	18.4
-85°	48.4	47.3	44.7	40.5	31.9	23.0	20.0	17.3	15.7	14.0	12.3
-87.5°	14.7	14.8	14.8	14.7	13.1	11.5	10.0	8.7	7.8	7.0	6.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CATALOG NUMBER: GFLD-SA3E-750-U-VWR-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°	5.3	4.4	3.6	2.7	1.8	0.8	0.0
85°	10.6	8.9	7.1	5.3	3.6	1.6	0.0
82.5°	15.9	13.3	10.6	8.0	5.3	2.3	0.0
80°	23.9	17.7	14.2	10.6	7.1	3.1	0.0
77.5°	52.0	27.7	17.7	13.3	8.8	3.9	0.0
75°	79.5	47.9	23.0	15.9	10.5	4.6	0.0
72.5°	106.1	67.5	36.7	18.4	12.2	5.4	0.0
70°	132.7	86.5	49.9	22.1	13.8	6.1	0.0
67.5°	164.6	104.6	62.6	30.3	15.4	6.8	0.0
65°	195.2	124.9	74.7	38.1	16.9	7.5	0.0
62.5°	224.1	147.2	86.2	45.6	18.4	8.2	0.0
60°	251.5	168.2	97.0	52.7	19.8	8.8	0.0
57.5°	280.2	188.0	111.4	59.4	23.8	9.4	0.0
55°	307.5	206.4	125.2	65.6	27.7	10.0	0.0
52.5°	332.7	223.9	137.9	71.4	31.4	10.6	0.0
50°	355.8	242.4	149.7	76.6	35.0	11.2	0.0
47.5°	377.5	259.3	160.4	82.1	38.4	11.7	0.0
45°	401.6	274.6	170.0	89.2	41.7	12.2	0.0
42.5°	423.7	288.2	178.6	95.7	44.8	12.6	0.0
40°	443.7	300.0	187.2	102.2	47.7	13.1	0.0
37.5°	461.7	310.2	195.7	108.8	50.4	13.4	0.0
35°	477.5	321.9	203.0	114.8	52.9	13.8	0.0
32.5°	492.1	333.6	209.1	120.4	55.2	14.1	0.0
30°	507.4	343.6	214.0	125.5	57.3	14.4	0.0
27.5°	521.0	351.9	221.3	130.2	59.2	14.7	0.0
25°	533.1	358.5	228.2	134.3	60.9	14.9	0.0
22.5°	543.4	365.1	234.2	138.0	62.4	15.1	0.0
20°	551.9	374.1	239.4	141.1	63.7	15.3	0.0
17.5°	562.5	381.5	243.8	143.8	64.8	15.4	0.0
15°	573.6	387.3	247.3	146.0	65.7	15.5	0.0
12.5°	582.6	391.5	250.0	147.6	66.3	15.6	0.0
10°	589.4	394.0	251.9	148.8	66.8	15.6	0.0
7.5°	594.1	395.1	252.9	149.5	67.1	15.6	0.0
5°	596.5	394.6	253.1	149.7	67.1	15.6	0.0
2.5°	596.6	392.7	252.5	149.4	67.0	15.5	0.0
0°	594.4	389.4	251.1	148.6	66.6	15.4	0.0
-2.5°	596.6	392.7	252.5	149.4	67.0	15.5	0.0
-5°	596.5	394.6	253.1	149.7	67.1	15.6	0.0
-7.5°	594.1	395.1	252.9	149.5	67.1	15.6	0.0
-10°	589.4	394.0	251.9	148.8	66.8	15.6	0.0
-12.5°	582.6	391.5	250.0	147.6	66.3	15.6	0.0
-15°	573.6	387.3	247.3	146.0	65.7	15.5	0.0
-17.5°	562.5	381.5	243.8	143.8	64.8	15.4	0.0
-20°	551.9	374.1	239.4	141.1	63.7	15.3	0.0

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CATALOG NUMBER: GFLD-SA3E-750-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	543.4	365.1	234.2	138.0	62.4	15.1	0.0
-25°	533.1	358.5	228.2	134.3	60.9	14.9	0.0
-27.5°	521.0	351.9	221.3	130.2	59.2	14.7	0.0
-30°	507.4	343.6	214.0	125.5	57.3	14.4	0.0
-32.5°	492.1	333.6	209.1	120.4	55.2	14.1	0.0
-35°	477.5	321.9	203.0	114.8	52.9	13.8	0.0
-37.5°	461.7	310.2	195.7	108.8	50.4	13.4	0.0
-40°	443.7	300.0	187.2	102.2	47.7	13.1	0.0
-42.5°	423.7	288.2	178.6	95.7	44.8	12.6	0.0
-45°	401.6	274.6	170.0	89.2	41.7	12.2	0.0
-47.5°	377.5	259.3	160.4	82.1	38.4	11.7	0.0
-50°	355.8	242.4	149.7	76.6	35.0	11.2	0.0
-52.5°	332.7	223.9	137.9	71.4	31.4	10.6	0.0
-55°	307.5	206.4	125.2	65.6	27.7	10.0	0.0
-57.5°	280.2	188.0	111.4	59.4	23.8	9.4	0.0
-60°	251.5	168.2	97.0	52.7	19.8	8.8	0.0
-62.5°	224.1	147.2	86.2	45.6	18.4	8.2	0.0
-65°	195.2	124.9	74.7	38.1	16.9	7.5	0.0
-67.5°	164.6	104.6	62.6	30.3	15.4	6.8	0.0
-70°	132.7	86.5	49.9	22.1	13.8	6.1	0.0
-72.5°	106.1	67.5	36.7	18.4	12.2	5.4	0.0
-75°	79.5	47.9	23.0	15.9	10.5	4.6	0.0
-77.5°	52.0	27.7	17.7	13.3	8.8	3.9	0.0
-80°	23.9	17.7	14.2	10.6	7.1	3.1	0.0
-82.5°	15.9	13.3	10.6	8.0	5.3	2.3	0.0
-85°	10.6	8.9	7.1	5.3	3.6	1.6	0.0
-87.5°	5.3	4.4	3.6	2.7	1.8	0.8	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)