

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: P627730 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5E-722-U-VWR-VSR-XX**

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P627730 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-18)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 12/7/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GFLD-SA5E-722-U-VWR-VSR-XX  
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N7 WITH VISOR  
Light Source: (80) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

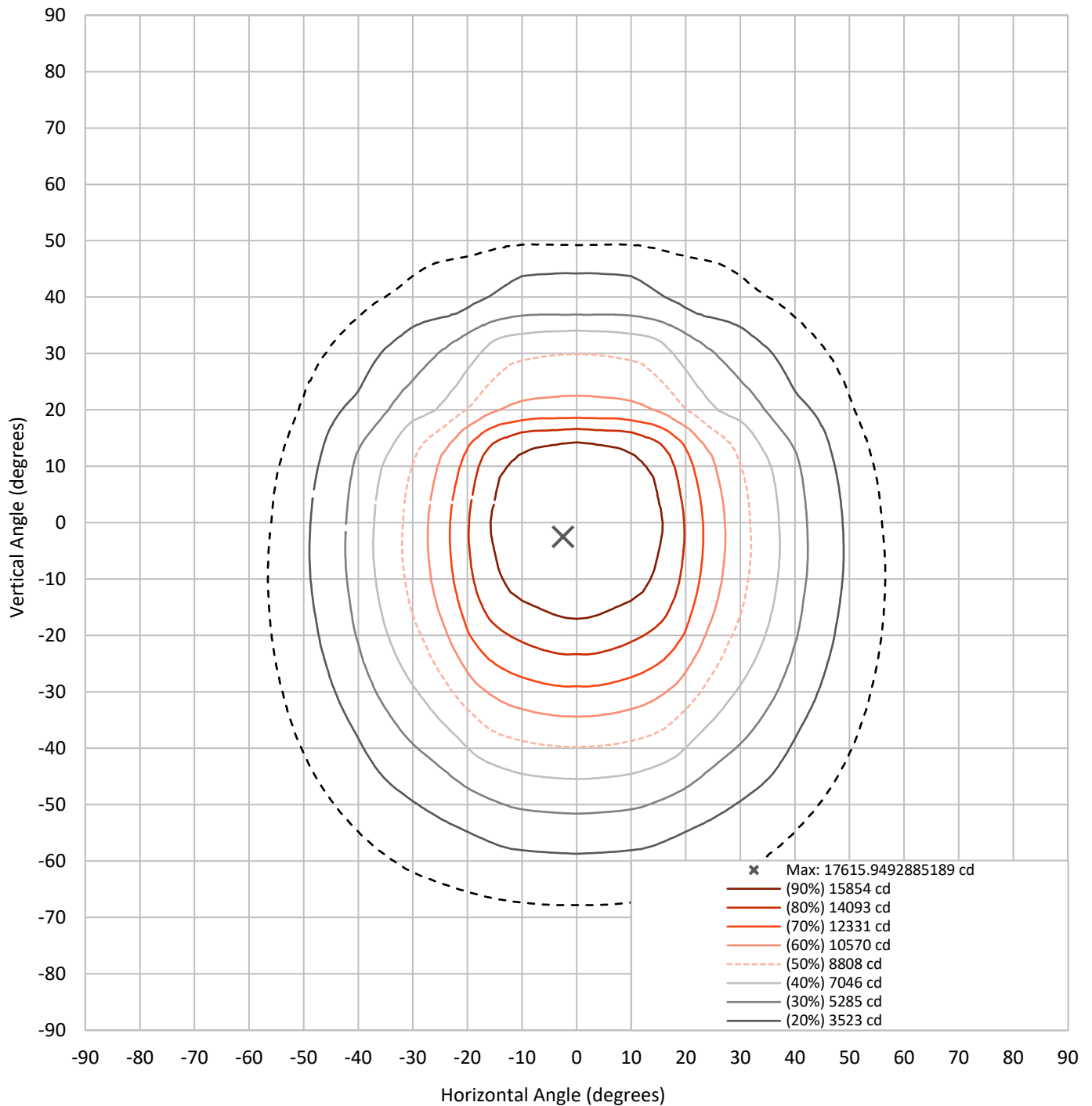
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	23509.1 lumens	Max Intensity:	17615.9 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x -2.5°V
Efficacy:	74.9 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	63.9°H x 69.6°V	Field Angle (10%):	112.5°H x 117.1°V
Beam Lumens:	13601.6 lumens	Field Lumens:	22308.6 lumens
Beam Efficiency:	57.9%	Field Efficiency:	94.9%
Input Watts (W):	313.7		
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

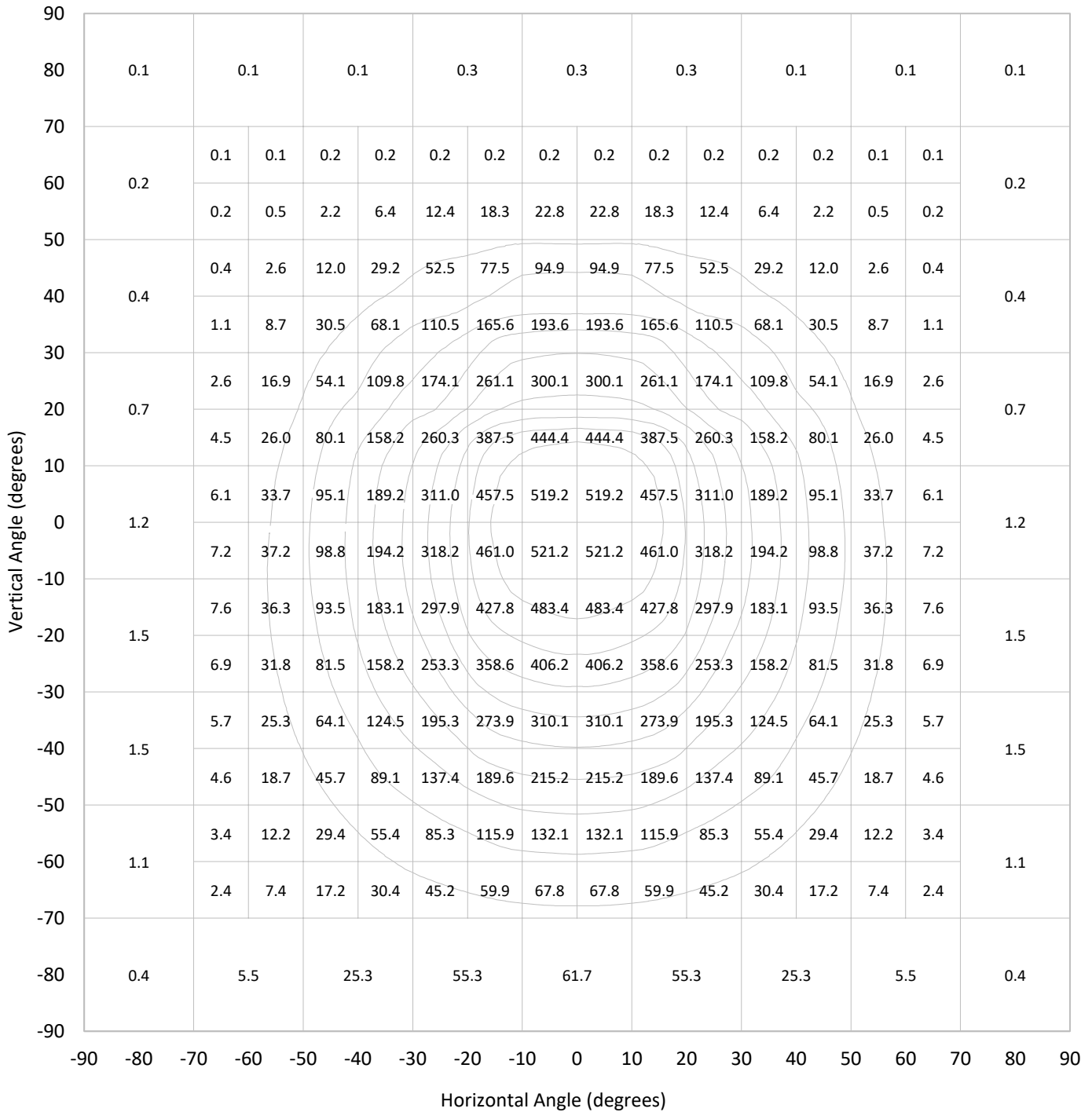




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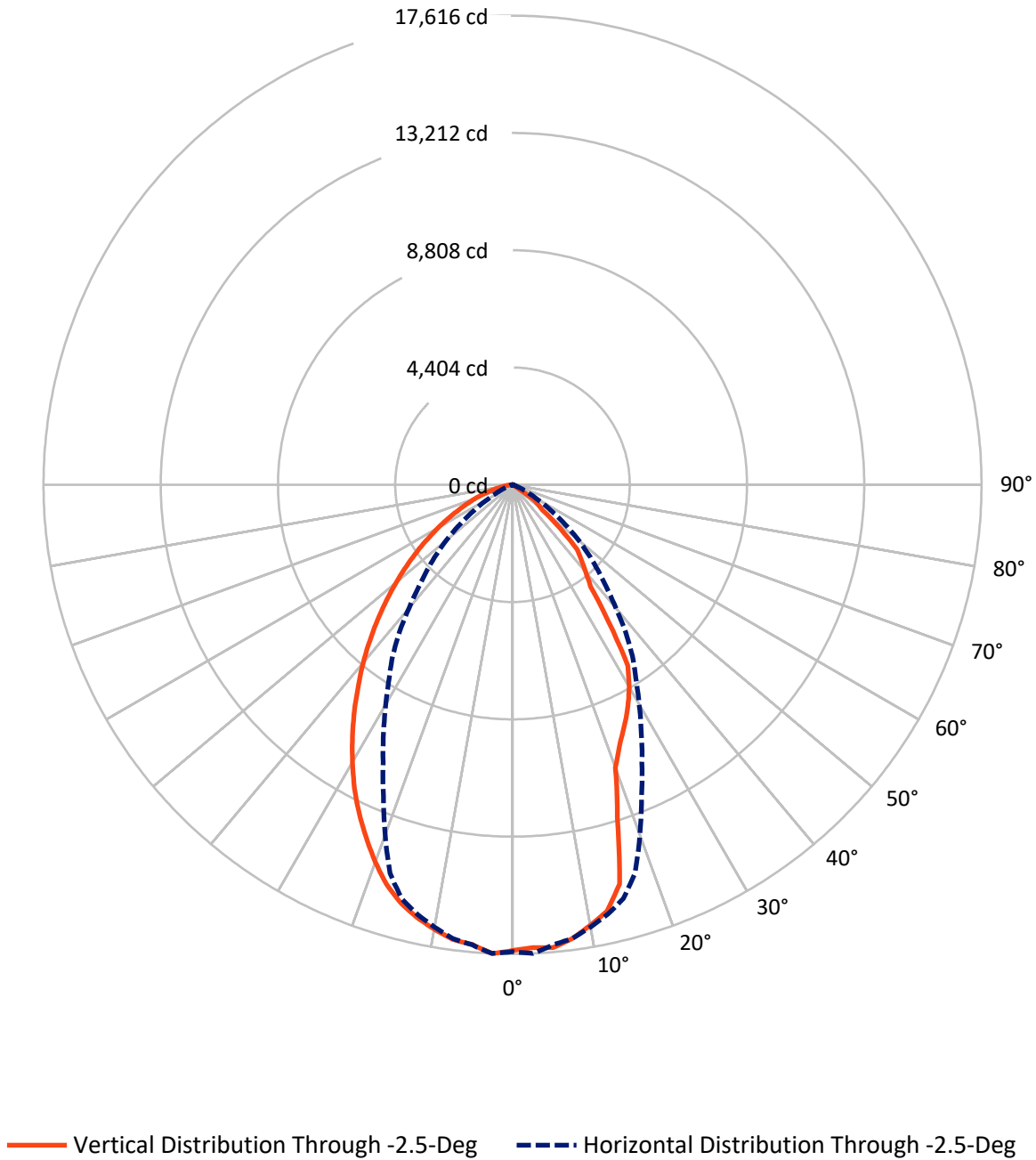
CATALOG NUMBER: GFLD-SA5E-722-U-VWR-VSR-XX

### Lumen Table



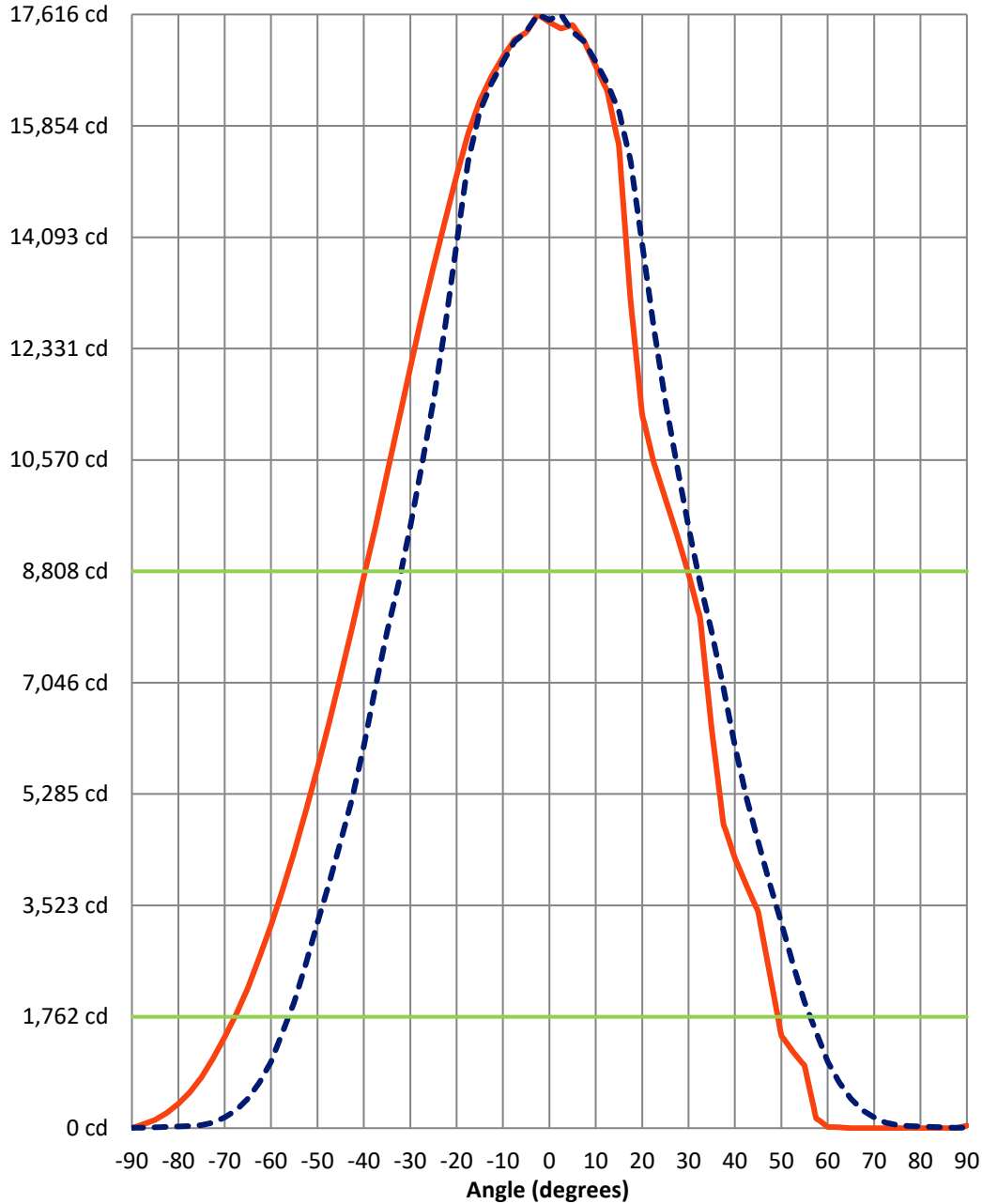
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 63.9°  
 V Angle: 69.6°  
 Lumens: 13601.6  
 Efficiency: 57.9%

**Field:**  
 H Angle: 112.5°  
 V Angle: 117.1°  
 Lumens: 22308.6  
 Efficiency: 94.9%

**Spill:**  
 Lumens: 1200.5  
 Efficiency: 5.1%

— Vertical Distribution through -2.5-Deg  
 - - Horizontal Distribution through -2.5-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°	6.6	6.6	6.6	8.2	9.9	11.6	13.2	14.8	16.5	18.1	19.7
87.5°	6.6	6.6	6.6	6.4	6.0	5.5	4.9	3.5	2.2	1.0	0.0
85°	6.6	6.6	6.6	6.2	5.5	4.5	3.2	2.0	1.1	0.4	0.0
82.5°	6.6	6.6	6.6	6.0	4.9	3.4	1.6	0.5	0.2	1.0	1.7
80°	6.6	6.6	6.6	5.8	4.4	2.4	0.3	1.3	2.4	3.5	4.5
77.5°	6.6	6.6	6.6	5.6	3.9	2.2	2.0	3.3	4.6	5.9	6.0
75°	6.6	6.6	6.6	5.5	3.6	3.3	3.7	5.2	6.5	5.4	3.5
72.5°	6.6	6.6	6.6	5.3	4.2	4.3	5.3	6.5	5.6	3.8	1.1
70°	6.6	6.6	6.6	5.3	4.7	5.3	6.6	6.2	4.8	2.5	3.0
67.5°	6.6	6.6	6.6	5.5	5.3	6.2	6.8	6.1	4.3	5.1	5.9
65°	6.6	6.6	6.6	5.7	5.7	6.8	7.1	6.0	6.6	7.7	8.1
62.5°	6.6	6.6	6.6	5.9	6.2	7.4	7.4	7.5	8.9	10.0	9.1
60°	6.6	6.6	6.6	6.1	6.6	7.9	7.8	9.4	11.1	11.5	10.3
57.5°	6.6	6.6	6.7	6.3	7.2	8.6	9.4	11.4	13.1	13.2	12.9
55°	6.6	6.6	6.8	6.4	7.9	9.2	11.1	13.4	15.0	15.3	16.0
52.5°	6.6	6.6	6.9	6.5	8.6	10.1	12.7	15.2	17.1	18.1	19.1
50°	6.6	6.6	7.0	6.6	9.3	11.4	14.3	17.1	19.5	20.9	22.2
47.5°	6.6	6.6	7.2	6.7	10.1	12.8	15.9	18.9	21.9	23.7	25.3
45°	6.6	6.6	7.4	7.4	10.9	14.0	17.4	20.7	24.2	26.4	28.3
42.5°	6.6	6.6	7.6	8.0	11.7	15.3	18.9	22.7	26.7	29.1	34.4
40°	6.6	6.6	7.8	8.8	12.6	16.5	20.4	25.0	29.3	31.9	41.0
37.5°	6.6	6.6	8.1	9.6	13.5	17.7	21.8	27.3	32.1	36.2	47.8
35°	6.6	6.6	8.4	10.5	14.5	18.8	23.2	29.7	34.9	44.5	60.8
32.5°	6.6	6.6	8.7	11.3	15.3	19.9	24.7	32.2	38.0	54.2	86.8
30°	6.6	6.6	9.0	12.1	16.2	21.0	26.6	34.7	41.1	65.3	112.0
27.5°	6.6	6.6	9.3	12.9	17.2	22.0	28.6	37.2	46.5	77.6	136.5
25°	6.6	6.6	9.7	13.7	18.2	22.9	30.6	39.8	56.1	95.6	160.4
22.5°	6.6	6.6	10.0	14.4	19.2	24.0	32.5	42.4	66.1	115.4	192.1
20°	6.6	6.6	10.4	15.2	20.2	25.2	34.4	45.0	76.5	134.2	223.6
17.5°	6.6	6.6	10.8	15.8	21.1	26.3	36.3	47.5	87.1	151.9	254.5
15°	6.6	6.6	11.2	16.5	21.9	27.4	38.1	50.8	97.7	168.5	284.5
12.5°	6.6	6.6	11.5	17.1	22.8	28.5	39.8	55.4	109.6	183.8	313.3
10°	6.6	6.6	11.9	17.7	23.6	29.5	41.3	60.2	122.1	201.7	342.1
7.5°	6.6	6.6	12.2	18.3	24.3	30.4	42.7	65.0	134.0	219.1	372.5
5°	6.6	6.6	12.6	18.8	25.0	31.3	44.0	69.9	145.2	235.2	400.4
2.5°	6.6	6.6	12.9	19.3	25.7	32.1	45.1	74.6	155.4	249.9	425.5
0°	6.6	6.6	13.2	19.7	26.3	32.9	46.0	78.9	164.4	263.0	447.2
-2.5°	6.6	6.6	13.2	19.7	26.3	32.9	46.0	78.9	164.4	263.0	447.2
-5°	6.6	6.6	13.1	19.6	27.3	34.2	50.9	94.3	176.2	302.0	482.8
-7.5°	6.6	6.6	13.1	19.5	27.8	34.8	53.0	100.7	180.3	316.9	495.3
-10°	6.6	6.6	13.0	19.4	28.1	35.3	54.7	106.0	183.3	327.6	504.5
-12.5°	6.6	6.6	12.9	19.2	28.3	35.7	56.0	110.0	185.4	333.3	511.7
-15°	6.6	6.6	12.7	19.0	28.4	36.1	56.8	112.4	189.3	332.7	514.3
-17.5°	6.6	6.6	12.6	18.8	28.3	36.4	57.1	114.8	194.9	329.3	511.1
-20°	6.6	6.6	12.4	18.5	28.1	36.6	58.5	117.1	198.6	323.3	501.7

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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°	6.6	6.6	12.2	18.2	27.8	36.8	62.3	118.2	200.2	314.6	485.8
-25°	6.6	6.6	12.0	17.9	27.3	39.2	65.4	117.8	199.6	303.5	463.1
-27.5°	6.6	6.6	11.7	17.5	26.6	42.2	67.8	116.0	196.8	294.0	446.4
-30°	6.6	6.6	11.4	17.1	26.0	44.8	69.4	112.8	193.1	289.7	427.8
-32.5°	6.6	6.6	11.1	16.6	26.9	47.0	70.3	113.0	188.4	282.4	406.7
-35°	6.6	6.6	10.8	16.2	27.6	48.7	72.2	113.6	181.9	272.2	383.3
-37.5°	6.6	6.6	10.5	15.7	28.1	49.8	74.1	113.2	173.5	259.0	372.8
-40°	6.6	6.6	10.1	15.1	28.3	50.2	75.3	111.7	163.2	246.3	361.1
-42.5°	6.6	6.6	9.7	14.8	28.5	50.2	75.6	109.1	157.4	236.1	343.1
-45°	6.6	6.6	9.3	14.9	28.6	49.8	75.3	106.8	153.1	223.6	320.6
-47.5°	6.6	6.6	8.9	14.8	28.4	49.1	74.1	105.2	147.6	208.5	302.9
-50°	6.6	6.6	8.5	14.6	27.9	47.9	72.6	102.6	143.3	203.1	281.8
-52.5°	6.6	6.6	8.0	14.3	27.1	46.4	70.5	99.0	139.6	195.9	259.1
-55°	6.6	6.6	7.6	13.9	26.0	44.5	68.0	94.5	135.0	187.0	248.3
-57.5°	6.6	6.6	7.1	13.4	24.5	42.1	65.0	90.5	128.7	177.7	235.5
-60°	6.6	6.6	6.6	12.8	22.8	39.3	61.4	86.1	120.6	166.6	220.8
-62.5°	6.6	6.6	6.6	12.1	21.5	36.0	56.5	80.2	110.6	153.5	203.6
-65°	6.6	6.6	6.6	11.3	20.1	32.2	50.9	72.7	98.5	136.2	184.1
-67.5°	6.6	6.6	6.6	10.5	18.6	29.0	44.8	63.8	84.5	115.9	158.2
-70°	6.6	6.6	6.6	9.5	16.9	26.3	38.2	54.4	72.4	93.5	127.8
-72.5°	6.6	6.6	6.6	9.3	15.0	23.5	33.7	44.5	59.7	77.5	97.8
-75°	6.6	6.6	6.6	9.2	13.1	20.4	29.3	37.5	46.5	61.1	77.8
-77.5°	6.6	6.6	6.6	9.1	12.4	17.2	24.8	31.5	38.6	46.3	57.0
-80°	6.6	6.6	6.6	9.0	12.0	15.5	20.0	25.4	31.1	37.3	43.9
-82.5°	6.6	6.6	6.6	8.8	11.5	14.6	18.1	20.6	23.4	28.1	33.1
-85°	6.6	6.6	6.6	8.7	11.0	13.6	16.5	18.7	20.9	23.1	25.2
-87.5°	6.6	6.6	6.6	8.5	10.5	12.6	14.9	16.8	18.7	20.6	22.5
-90°	6.6	6.6	6.6	6.6	6.6	6.6	6.6	4.9	3.3	1.6	0.0





REPORT NUMBER: P627730 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-722-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	21.4	23.0	24.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	1.9	1.7	1.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	4.4	3.5	1.6	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	3.8	1.9	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	1.4	0.1	0.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1.1	1.9	1.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	3.7	4.0	2.7	1.1	0.0	0.4	1.0	0.7	0.0	0.3	0.8
67.5°	6.1	4.6	3.0	1.9	2.5	3.3	3.1	3.3	3.6	3.9	3.4
65°	6.4	4.9	4.9	5.8	6.5	7.1	7.7	8.2	6.9	6.0	6.1
62.5°	6.9	7.4	8.6	9.6	10.6	11.5	11.5	10.2	7.8	9.8	11.2
60°	9.8	10.8	12.2	13.5	14.8	15.5	14.8	14.9	16.6	19.2	36.9
57.5°	13.2	14.1	15.7	17.8	19.6	19.9	20.5	22.2	52.1	85.1	94.0
55°	16.6	17.3	20.1	23.4	25.3	25.1	36.1	76.0	114.8	159.0	175.3
52.5°	20.0	21.4	26.2	30.1	32.5	50.7	91.4	145.6	202.8	253.5	319.2
50°	23.4	28.2	33.1	38.8	61.9	109.2	168.7	242.7	328.8	410.0	493.2
47.5°	29.3	35.2	42.7	61.2	122.0	187.7	269.9	389.1	495.4	593.6	707.5
45°	36.2	48.6	56.9	121.1	191.8	276.6	415.8	561.5	657.9	789.4	991.0
42.5°	43.3	67.3	108.6	183.0	269.1	405.9	578.6	702.7	831.0	1044.0	1256.0
40°	62.3	90.2	163.9	252.3	361.4	560.9	738.1	878.7	1053.9	1290.0	1511.4
37.5°	85.4	137.7	220.2	326.4	506.3	724.9	914.8	1115.5	1316.9	1539.5	1950.1
35°	111.1	181.8	291.7	434.8	651.3	906.9	1133.2	1357.5	1589.6	2028.0	2435.3
32.5°	144.5	222.4	366.3	560.9	808.0	1088.5	1351.3	1610.5	1982.7	2478.9	2887.7
30°	180.5	287.5	452.3	677.6	955.5	1254.9	1570.8	1884.7	2377.3	2787.9	3231.7
27.5°	218.1	356.4	553.0	799.6	1093.7	1412.0	1768.4	2216.2	2655.6	3061.3	3549.0
25°	256.7	428.2	645.2	916.2	1229.6	1581.7	1991.6	2537.1	2880.8	3329.1	3837.9
22.5°	306.4	496.8	736.4	1021.9	1355.6	1756.0	2278.9	2826.6	3231.1	3608.2	4105.2
20°	363.8	574.1	835.7	1154.3	1479.0	1926.3	2564.5	3140.6	3616.4	4048.2	4504.7
17.5°	417.5	646.3	941.9	1289.5	1658.5	2144.6	2844.8	3482.3	4006.0	4487.1	5057.0
15°	467.1	713.1	1045.8	1417.5	1835.0	2394.7	3096.1	3796.3	4394.2	4935.5	5583.1
12.5°	512.5	774.2	1146.0	1537.2	2001.2	2610.3	3307.1	3990.5	4647.7	5353.1	6088.1
10°	553.3	829.1	1240.6	1647.8	2155.3	2792.6	3481.5	4152.5	4815.6	5562.1	6378.6
7.5°	597.2	880.4	1326.5	1748.3	2295.5	2943.2	3620.8	4282.5	4951.2	5729.2	6567.5
5°	637.8	927.6	1394.7	1820.3	2403.9	3060.7	3725.6	4381.2	5054.2	5853.7	6710.5
2.5°	673.4	967.3	1450.3	1876.8	2484.2	3147.2	3793.7	4463.5	5130.5	5954.9	6819.7
0°	703.6	999.5	1492.7	1920.2	2544.9	3209.0	3833.8	4517.6	5175.2	6023.5	6891.5
-2.5°	723.0	1052.3	1521.8	1995.8	2597.9	3249.6	3869.7	4532.8	5223.3	6045.3	6972.1
-5°	736.5	1095.0	1539.4	2054.1	2632.6	3267.4	3881.5	4521.0	5236.1	6039.8	6984.0
-7.5°	744.4	1125.2	1547.6	2087.2	2644.8	3256.7	3861.5	4498.8	5215.2	6019.1	6931.8
-10°	749.0	1134.7	1558.8	2077.2	2628.8	3221.5	3817.0	4446.6	5155.5	5951.9	6832.6
-12.5°	761.4	1128.7	1556.9	2055.2	2594.2	3168.2	3751.0	4363.9	5056.1	5837.2	6695.5
-15°	764.5	1115.1	1538.2	2022.6	2541.4	3098.6	3664.7	4250.5	4933.5	5725.4	6543.8
-17.5°	757.6	1094.7	1501.7	1981.1	2470.6	3014.1	3562.9	4148.3	4818.6	5596.5	6384.5
-20°	740.0	1068.1	1446.7	1932.0	2386.6	2920.2	3461.1	4041.1	4686.4	5417.6	6206.3

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**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	711.2	1036.1	1387.2	1863.6	2314.0	2812.5	3341.7	3895.1	4520.7	5185.6	5966.7
-25°	681.4	999.9	1340.3	1769.5	2226.7	2686.7	3204.5	3716.6	4326.2	4979.1	5672.2
-27.5°	653.2	949.4	1291.5	1666.5	2124.0	2552.4	3049.5	3549.0	4107.3	4747.3	5385.4
-30°	616.3	894.7	1232.0	1567.4	2001.1	2425.8	2876.5	3368.1	3870.2	4477.6	5105.4
-32.5°	583.6	838.0	1164.2	1491.9	1869.0	2283.3	2690.1	3158.6	3648.6	4166.4	4786.7
-35°	561.9	804.4	1092.4	1404.7	1734.2	2128.3	2515.2	2922.3	3396.8	3882.7	4427.4
-37.5°	544.2	765.8	1016.8	1313.9	1627.5	1965.6	2327.9	2702.5	3116.6	3606.4	4118.6
-40°	516.5	722.4	960.7	1227.3	1504.0	1811.4	2147.7	2486.7	2845.8	3324.3	3829.6
-42.5°	480.9	680.4	907.9	1133.0	1385.9	1666.5	1965.4	2284.7	2629.7	3045.4	3509.9
-45°	453.5	626.6	849.2	1050.8	1260.1	1516.8	1797.5	2086.7	2412.1	2769.0	3186.2
-47.5°	418.7	568.2	772.5	960.8	1145.3	1364.4	1621.0	1894.8	2183.0	2504.6	2846.5
-50°	381.5	519.3	678.6	861.9	1037.8	1220.0	1438.9	1692.1	1953.6	2233.9	2539.0
-52.5°	353.3	462.3	607.6	760.3	927.9	1093.2	1279.5	1496.6	1730.2	1964.4	2232.7
-55°	321.4	420.3	540.1	676.9	819.6	972.6	1142.3	1332.4	1522.8	1738.0	1952.1
-57.5°	298.9	379.9	483.7	602.6	730.8	860.8	1021.0	1181.6	1357.9	1536.0	1713.7
-60°	281.3	345.0	431.1	535.8	650.1	771.6	903.0	1051.5	1203.2	1348.6	1502.1
-62.5°	261.2	316.6	384.0	469.4	572.6	678.3	794.1	921.3	1058.6	1181.0	1300.0
-65°	235.2	283.4	341.1	410.7	491.8	581.1	679.8	787.0	905.6	1005.0	1102.2
-67.5°	205.4	245.9	294.4	351.2	418.8	488.5	560.9	651.6	747.9	828.9	908.2
-70°	167.9	205.4	245.0	291.3	344.3	403.4	467.1	532.9	598.8	665.0	737.5
-72.5°	128.5	162.6	196.2	229.2	271.4	319.9	371.8	427.0	484.6	541.2	596.2
-75°	97.9	120.1	149.5	179.2	208.5	240.0	275.2	319.1	372.6	427.5	477.8
-77.5°	73.9	92.5	112.1	132.6	151.1	174.3	199.7	227.0	271.2	321.8	373.0
-80°	53.3	64.5	80.0	96.5	109.5	122.4	135.7	149.5	182.4	223.2	266.8
-82.5°	39.6	47.2	55.8	65.4	72.0	78.4	85.5	94.6	119.0	146.5	175.6
-85°	27.3	29.5	34.2	39.5	43.2	46.9	50.7	54.6	67.7	82.4	98.2
-87.5°	23.5	24.6	25.9	27.3	27.7	28.2	28.6	29.0	33.5	38.1	42.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P627730 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-722-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	26.3	28.0	29.6	31.3	32.9	34.6	36.2	37.9	39.5	39.5	39.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.6	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	3.0	3.4	3.4	2.7	1.2	0.0	0.0	0.0	0.0	0.0	0.0
65°	7.0	6.6	4.9	3.2	1.6	2.5	4.0	4.8	4.8	4.3	3.3
62.5°	10.4	9.6	8.7	10.0	12.0	13.9	13.3	12.6	11.7	11.2	11.6
60°	38.9	26.0	30.0	37.7	35.2	24.1	39.6	44.8	38.2	26.2	25.3
57.5°	98.6	95.1	109.0	159.2	175.2	159.7	190.8	231.6	230.4	198.4	197.3
55°	210.0	281.8	368.4	382.4	442.7	563.5	657.6	616.3	616.0	647.0	747.0
52.5°	398.9	466.6	491.8	559.1	685.1	776.5	835.3	896.1	962.8	1030.8	1099.8
50°	585.4	651.1	725.8	794.7	969.1	1062.9	1047.3	1173.3	1334.5	1435.3	1487.0
47.5°	858.7	962.3	1120.0	1367.2	1497.4	1591.5	1708.5	1851.2	2036.0	2286.5	2479.5
45°	1180.5	1343.4	1587.5	1850.1	2052.1	2144.1	2278.0	2499.0	2793.5	3080.3	3289.8
42.5°	1443.4	1667.0	1942.3	2193.2	2358.0	2509.1	2682.5	2868.9	3206.2	3512.6	3754.6
40°	1786.6	1960.7	2269.6	2506.2	2653.6	2803.5	3078.3	3357.2	3674.5	3959.9	4158.2
37.5°	2221.6	2417.6	2738.9	3006.4	3148.4	3201.4	3668.6	4056.9	4314.8	4679.1	4798.2
35°	2688.9	3011.5	3420.9	3767.7	3907.0	4184.9	4666.2	5208.0	5795.1	6010.9	6195.0
32.5°	3210.2	3608.2	4163.7	4536.0	4734.6	5156.4	5765.6	6343.9	7111.5	7528.1	7652.6
30°	3687.2	4143.8	4621.3	4983.1	5322.8	5830.8	6386.3	7099.4	7809.1	8341.8	8507.2
27.5°	4037.2	4542.4	5001.6	5340.4	5723.7	6271.3	6964.0	7686.1	8382.8	8926.2	9119.3
25°	4371.3	4942.4	5305.9	5699.8	6149.9	6746.7	7514.4	8316.7	9002.9	9462.2	9699.0
22.5°	4751.3	5314.5	5704.7	6038.3	6626.8	7314.5	8027.1	8933.7	9660.8	10027.2	10283.9
20°	5143.6	5780.7	6383.4	6693.8	7203.0	8073.8	8871.4	9727.3	10429.4	10811.3	11081.7
17.5°	5690.8	6502.8	7242.1	7681.6	8226.8	9268.0	10263.3	11129.1	12105.8	12450.7	12781.2
15°	6267.9	7207.7	8073.7	8769.9	9474.3	10505.9	11787.2	12831.9	13946.3	14444.0	15006.6
12.5°	6843.2	7732.4	8517.0	9415.2	10407.9	11320.5	12540.3	13841.3	14852.6	15487.3	15866.1
10°	7273.1	8099.0	8854.0	9754.4	10745.2	11777.5	12989.6	14323.3	15381.9	15923.5	16232.7
7.5°	7505.3	8295.8	9092.1	10004.5	10990.9	12090.3	13339.2	14662.4	15744.8	16269.5	16574.8
5°	7677.6	8436.8	9261.4	10221.9	11219.2	12334.0	13581.1	14888.5	15875.5	16433.2	16819.2
2.5°	7781.9	8526.3	9369.4	10362.4	11362.2	12523.2	13830.6	15185.9	16049.4	16498.1	16853.1
0°	7812.2	8561.8	9429.8	10436.0	11461.8	12632.3	13927.8	15269.2	16143.8	16577.9	16939.5
-2.5°	7846.3	8618.0	9509.9	10483.6	11500.8	12668.0	13990.4	15297.5	16084.3	16522.2	16866.3
-5°	7822.5	8622.4	9511.6	10444.2	11468.0	12625.9	13895.4	15117.6	15940.6	16414.0	16756.2
-7.5°	7751.7	8563.0	9442.9	10339.3	11343.6	12514.7	13778.8	14955.7	15789.4	16288.7	16663.0
-10°	7648.7	8436.3	9322.4	10230.1	11222.4	12337.1	13581.8	14751.7	15549.6	16079.8	16516.1
-12.5°	7534.5	8305.9	9159.9	10030.7	11012.0	12112.9	13318.8	14426.3	15219.5	15797.8	16109.6
-15°	7365.4	8136.3	8952.7	9795.0	10751.5	11819.5	12971.5	14034.0	14812.9	15283.5	15628.0
-17.5°	7150.2	7906.6	8680.6	9479.5	10380.7	11432.5	12591.5	13639.3	14274.3	14694.5	15033.2
-20°	6919.7	7619.2	8352.5	9106.3	9979.8	11021.8	12160.0	13074.0	13672.4	14076.2	14396.0



REPORT NUMBER: P627730 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-722-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	6656.5	7330.1	8001.3	8722.0	9578.5	10533.7	11539.1	12422.4	13065.8	13433.5	13729.0
-25°	6356.1	7011.3	7648.7	8344.7	9131.9	9990.5	10925.3	11793.3	12369.6	12760.2	13053.3
-27.5°	6032.4	6648.0	7270.7	7895.7	8603.4	9458.9	10324.6	11130.9	11622.9	12016.7	12311.4
-30°	5709.4	6263.1	6839.2	7430.9	8095.1	8866.5	9676.2	10354.3	10873.1	11255.6	11529.3
-32.5°	5359.3	5884.8	6395.2	6948.2	7573.6	8253.4	8964.0	9609.0	10163.4	10513.8	10744.4
-35°	5000.8	5509.5	5976.7	6478.6	7030.2	7616.9	8272.8	8908.9	9456.4	9733.6	9958.4
-37.5°	4627.4	5134.5	5577.5	5996.8	6472.0	7015.3	7654.2	8261.1	8734.1	8972.4	9175.0
-40°	4302.7	4749.1	5147.8	5549.1	5935.4	6417.9	7014.2	7601.8	7981.3	8213.5	8401.7
-42.5°	3987.5	4364.1	4690.5	5050.2	5436.9	5912.5	6393.6	6886.3	7191.3	7449.1	7647.3
-45°	3620.3	3957.0	4263.0	4562.2	4914.9	5349.1	5786.1	6180.8	6466.4	6715.6	6908.6
-47.5°	3214.2	3539.2	3836.5	4104.0	4431.7	4793.9	5161.9	5490.3	5772.4	6018.6	6190.8
-50°	2835.8	3126.2	3416.4	3687.1	3971.1	4264.1	4562.6	4850.9	5118.6	5357.9	5504.5
-52.5°	2496.7	2764.7	3018.4	3255.0	3503.5	3751.1	3998.3	4262.3	4508.7	4735.1	4852.2
-55°	2190.0	2431.6	2660.5	2859.9	3059.3	3255.6	3467.5	3711.2	3938.1	4147.9	4231.9
-57.5°	1914.6	2121.4	2324.0	2492.6	2655.4	2811.6	2997.6	3203.3	3401.9	3581.6	3650.4
-60°	1661.4	1825.5	1994.9	2144.5	2286.3	2420.2	2582.5	2748.1	2909.2	3044.7	3103.2
-62.5°	1428.4	1568.7	1697.1	1818.7	1938.8	2059.4	2190.3	2321.8	2451.9	2556.2	2609.1
-65°	1203.8	1315.5	1418.7	1518.6	1615.6	1716.9	1819.4	1919.3	2015.6	2090.2	2136.0
-67.5°	992.9	1077.9	1159.7	1237.6	1318.8	1400.9	1481.1	1557.6	1629.9	1687.5	1731.3
-70°	806.0	871.7	935.8	1000.3	1068.1	1131.9	1192.3	1249.5	1303.4	1344.9	1378.7
-72.5°	649.7	703.0	758.3	816.4	871.2	918.9	962.3	1004.2	1044.2	1067.7	1085.3
-75°	523.8	568.7	616.8	663.8	709.5	745.8	777.7	808.6	838.2	839.8	833.9
-77.5°	423.2	463.3	500.5	537.4	573.9	596.3	615.8	635.9	656.2	644.5	625.9
-80°	310.6	344.0	375.6	407.4	439.1	452.4	461.6	469.6	476.4	461.0	442.0
-82.5°	206.1	227.2	247.7	268.7	289.9	298.3	304.6	309.9	314.0	300.1	284.1
-85°	115.0	125.1	135.0	145.1	155.1	161.0	166.5	171.4	176.0	167.7	158.4
-87.5°	47.8	50.1	52.4	54.6	56.7	58.8	60.9	62.9	64.9	65.2	65.4
-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: P627730 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-722-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	37.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	2.0	0.3	0.0	0.0	0.0	0.3	2.0	3.3	4.3	4.8	4.8
62.5°	12.1	12.6	13.1	13.2	13.1	12.6	12.1	11.6	11.2	11.7	12.6
60°	23.2	20.3	19.6	19.7	19.6	20.3	23.2	25.3	26.2	38.2	44.8
57.5°	182.2	156.0	159.9	177.5	159.9	156.0	182.2	197.3	198.4	230.4	231.6
55°	851.9	951.0	986.0	966.7	986.0	951.0	851.9	747.0	647.0	616.0	616.3
52.5°	1154.2	1194.8	1210.5	1210.0	1210.5	1194.8	1154.2	1099.8	1030.8	962.8	896.1
50°	1502.7	1488.9	1467.7	1446.7	1467.7	1488.9	1502.7	1487.0	1435.3	1334.5	1173.3
47.5°	2507.7	2464.3	2445.9	2479.1	2445.9	2464.3	2507.7	2479.5	2286.5	2036.0	1851.2
45°	3332.4	3383.3	3421.4	3419.5	3421.4	3383.3	3332.4	3289.8	3080.3	2793.5	2499.0
42.5°	3802.1	3829.2	3837.1	3827.2	3837.1	3829.2	3802.1	3754.6	3512.6	3206.2	2868.9
40°	4220.6	4252.9	4271.1	4287.5	4271.1	4252.9	4220.6	4158.2	3959.9	3674.5	3357.2
37.5°	4837.5	4849.3	4823.5	4807.0	4823.5	4849.3	4837.5	4798.2	4679.1	4314.8	4056.9
35°	6350.2	6381.2	6309.4	6385.2	6309.4	6381.2	6350.2	6195.0	6010.9	5795.1	5208.0
32.5°	7800.9	7946.1	8063.5	8160.7	8063.5	7946.1	7800.9	7652.6	7528.1	7111.5	6343.9
30°	8622.7	8716.3	8766.7	8778.8	8766.7	8716.3	8622.7	8507.2	8341.8	7809.1	7099.4
27.5°	9226.0	9324.2	9385.3	9429.8	9385.3	9324.2	9226.0	9119.3	8926.2	8382.8	7686.1
25°	9807.5	9897.3	9958.4	9982.2	9958.4	9897.3	9807.5	9699.0	9462.2	9002.9	8316.7
22.5°	10411.0	10473.4	10532.0	10560.9	10532.0	10473.4	10411.0	10283.9	10027.2	9660.8	8933.7
20°	11276.0	11242.1	11295.7	11277.7	11295.7	11242.1	11276.0	11081.7	10811.3	10429.4	9727.3
17.5°	13038.8	13057.1	13093.0	13151.8	13093.0	13057.1	13038.8	12781.2	12450.7	12105.8	11129.1
15°	15255.9	15300.5	15527.3	15729.6	15527.3	15300.5	15255.9	15006.6	14444.0	13946.3	12831.9
12.5°	16217.6	16371.9	16395.9	16452.9	16395.9	16371.9	16217.6	15866.1	15487.3	14852.6	13841.3
10°	16538.5	16805.8	16800.1	16867.2	16800.1	16805.8	16538.5	16232.7	15923.5	15381.9	14323.3
7.5°	16781.9	17069.1	17190.4	17242.0	17190.4	17069.1	16781.9	16574.8	16269.5	15744.8	14662.4
5°	17079.3	17237.1	17446.6	17386.7	17446.6	17237.1	17079.3	16819.2	16433.2	15875.5	14888.5
2.5°	17203.9	17451.2	17394.1	17452.5	17394.1	17451.2	17203.9	16853.1	16498.1	16049.4	15185.9
0°	17288.1	17465.6	17491.9	17551.1	17491.9	17465.6	17288.1	16939.5	16577.9	16143.8	15269.2
-2.5°	17186.0	17342.3	17615.9	17531.4	17615.9	17342.3	17186.0	16866.3	16522.2	16084.3	15297.5
-5°	17096.7	17481.2	17331.9	17518.2	17331.9	17481.2	17096.7	16756.2	16414.0	15940.6	15117.6
-7.5°	17050.5	17119.3	17218.4	17360.4	17218.4	17119.3	17050.5	16663.0	16288.7	15789.4	14955.7
-10°	16693.5	16763.9	16946.1	17044.7	16946.1	16763.9	16693.5	16516.1	16079.8	15549.6	14751.7
-12.5°	16306.5	16442.7	16634.0	16696.2	16634.0	16442.7	16306.5	16109.6	15797.8	15219.5	14426.3
-15°	15860.6	16062.9	16249.4	16288.5	16249.4	16062.9	15860.6	15628.0	15283.5	14812.9	14034.0
-17.5°	15293.6	15536.2	15732.1	15775.6	15732.1	15536.2	15293.6	15033.2	14694.5	14274.3	13639.3
-20°	14668.8	14901.2	15067.8	15118.0	15067.8	14901.2	14668.8	14396.0	14076.2	13672.4	13074.0



REPORT NUMBER: P627730 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-722-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	13999.9	14209.1	14350.0	14328.9	14350.0	14209.1	13999.9	13729.0	13433.5	13065.8	12422.4
-25°	13289.7	13483.9	13618.1	13599.0	13618.1	13483.9	13289.7	13053.3	12760.2	12369.6	11793.3
-27.5°	12538.9	12722.8	12851.8	12855.9	12851.8	12722.8	12538.9	12311.4	12016.7	11622.9	11130.9
-30°	11750.0	11917.0	12021.7	11981.3	12021.7	11917.0	11750.0	11529.3	11255.6	10873.1	10354.3
-32.5°	10936.2	11087.3	11183.3	11211.9	11183.3	11087.3	10936.2	10744.4	10513.8	10163.4	9609.0
-35°	10133.6	10266.8	10349.7	10370.2	10349.7	10266.8	10133.6	9958.4	9733.6	9456.4	8908.9
-37.5°	9336.1	9450.8	9508.7	9482.5	9508.7	9450.8	9336.1	9175.0	8972.4	8734.1	8261.1
-40°	8548.1	8657.3	8723.6	8739.4	8723.6	8657.3	8548.1	8401.7	8213.5	7981.3	7601.8
-42.5°	7773.3	7864.0	7922.3	7950.3	7922.3	7864.0	7773.3	7647.3	7449.1	7191.3	6886.3
-45°	7021.3	7102.5	7157.1	7187.5	7157.1	7102.5	7021.3	6908.6	6715.6	6466.4	6180.8
-47.5°	6289.8	6360.9	6408.0	6431.2	6408.0	6360.9	6289.8	6190.8	6018.6	5772.4	5490.3
-50°	5590.2	5651.8	5695.7	5721.0	5695.7	5651.8	5590.2	5504.5	5357.9	5118.6	4850.9
-52.5°	4926.7	4980.5	5018.0	5037.1	5018.0	4980.5	4926.7	4852.2	4735.1	4508.7	4262.3
-55°	4293.2	4336.9	4371.5	4392.7	4371.5	4336.9	4293.2	4231.9	4147.9	3938.1	3711.2
-57.5°	3702.4	3738.1	3770.9	3794.3	3770.9	3738.1	3702.4	3650.4	3581.6	3401.9	3203.3
-60°	3149.4	3183.0	3211.0	3228.8	3211.0	3183.0	3149.4	3103.2	3044.7	2909.2	2748.1
-62.5°	2650.4	2680.2	2705.7	2722.4	2705.7	2680.2	2650.4	2609.1	2556.2	2451.9	2321.8
-65°	2172.0	2198.7	2217.8	2229.2	2217.8	2198.7	2172.0	2136.0	2090.2	2015.6	1919.3
-67.5°	1768.7	1799.4	1805.6	1801.8	1805.6	1799.4	1768.7	1731.3	1687.5	1629.9	1557.6
-70°	1408.8	1434.8	1440.9	1440.1	1440.9	1434.8	1408.8	1378.7	1344.9	1303.4	1249.5
-72.5°	1101.6	1115.8	1103.6	1085.0	1103.6	1115.8	1101.6	1085.3	1067.7	1044.2	1004.2
-75°	826.6	817.5	804.7	789.1	804.7	817.5	826.6	833.9	839.8	838.2	808.6
-77.5°	605.4	583.0	568.4	552.4	568.4	583.0	605.4	625.9	644.5	656.2	635.9
-80°	421.5	399.5	384.4	368.3	384.4	399.5	421.5	442.0	461.0	476.4	469.6
-82.5°	267.0	249.0	239.8	230.2	239.8	249.0	267.0	284.1	300.1	314.0	309.9
-85°	148.3	137.6	131.4	124.9	131.4	137.6	148.3	158.4	167.7	176.0	171.4
-87.5°	65.6	65.7	62.5	59.2	62.5	65.7	65.6	65.4	65.2	64.9	62.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P627730 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-722-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	36.2	34.6	32.9	31.3	29.6	28.0	26.3	24.7	23.0	21.4	19.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.2	0.2	0.0	0.0	0.6	0.8	0.3	0.0	0.7
67.5°	0.0	0.0	1.2	2.7	3.4	3.4	3.0	3.4	3.9	3.6	3.3
65°	4.0	2.5	1.6	3.2	4.9	6.6	7.0	6.1	6.0	6.9	8.2
62.5°	13.3	13.9	12.0	10.0	8.7	9.6	10.4	11.2	9.8	7.8	10.2
60°	39.6	24.1	35.2	37.7	30.0	26.0	38.9	36.9	19.2	16.6	14.9
57.5°	190.8	159.7	175.2	159.2	109.0	95.1	98.6	94.0	85.1	52.1	22.2
55°	657.6	563.5	442.7	382.4	368.4	281.8	210.0	175.3	159.0	114.8	76.0
52.5°	835.3	776.5	685.1	559.1	491.8	466.6	398.9	319.2	253.5	202.8	145.6
50°	1047.3	1062.9	969.1	794.7	725.8	651.1	585.4	493.2	410.0	328.8	242.7
47.5°	1708.5	1591.5	1497.4	1367.2	1120.0	962.3	858.7	707.5	593.6	495.4	389.1
45°	2278.0	2144.1	2052.1	1850.1	1587.5	1343.4	1180.5	991.0	789.4	657.9	561.5
42.5°	2682.5	2509.1	2358.0	2193.2	1942.3	1667.0	1443.4	1256.0	1044.0	831.0	702.7
40°	3078.3	2803.5	2653.6	2506.2	2269.6	1960.7	1786.6	1511.4	1290.0	1053.9	878.7
37.5°	3668.6	3201.4	3148.4	3006.4	2738.9	2417.6	2221.6	1950.1	1539.5	1316.9	1115.5
35°	4666.2	4184.9	3907.0	3767.7	3420.9	3011.5	2688.9	2435.3	2028.0	1589.6	1357.5
32.5°	5765.6	5156.4	4734.6	4536.0	4163.7	3608.2	3210.2	2887.7	2478.9	1982.7	1610.5
30°	6386.3	5830.8	5322.8	4983.1	4621.3	4143.8	3687.2	3231.7	2787.9	2377.3	1884.7
27.5°	6964.0	6271.3	5723.7	5340.4	5001.6	4542.4	4037.2	3549.0	3061.3	2655.6	2216.2
25°	7514.4	6746.7	6149.9	5699.8	5305.9	4942.4	4371.3	3837.9	3329.1	2880.8	2537.1
22.5°	8027.1	7314.5	6626.8	6038.3	5704.7	5314.5	4751.3	4105.2	3608.2	3231.1	2826.6
20°	8871.4	8073.8	7203.0	6693.8	6383.4	5780.7	5143.6	4504.7	4048.2	3616.4	3140.6
17.5°	10263.3	9268.0	8226.8	7681.6	7242.1	6502.8	5690.8	5057.0	4487.1	4006.0	3482.3
15°	11787.2	10505.9	9474.3	8769.9	8073.7	7207.7	6267.9	5583.1	4935.5	4394.2	3796.3
12.5°	12540.3	11320.5	10407.9	9415.2	8517.0	7732.4	6843.2	6088.1	5353.1	4647.7	3990.5
10°	12989.6	11777.5	10745.2	9754.4	8854.0	8099.0	7273.1	6378.6	5562.1	4815.6	4152.5
7.5°	13339.2	12090.3	10990.9	10004.5	9092.1	8295.8	7505.3	6567.5	5729.2	4951.2	4282.5
5°	13581.1	12334.0	11219.2	10221.9	9261.4	8436.8	7677.6	6710.5	5853.7	5054.2	4381.2
2.5°	13830.6	12523.2	11362.2	10362.4	9369.4	8526.3	7781.9	6819.7	5954.9	5130.5	4463.5
0°	13927.8	12632.3	11461.8	10436.0	9429.8	8561.8	7812.2	6891.5	6023.5	5175.2	4517.6
-2.5°	13990.4	12668.0	11500.8	10483.6	9509.9	8618.0	7846.3	6972.1	6045.3	5223.3	4532.8
-5°	13895.4	12625.9	11468.0	10444.2	9511.6	8622.4	7822.5	6984.0	6039.8	5236.1	4521.0
-7.5°	13778.8	12514.7	11343.6	10339.3	9442.9	8563.0	7751.7	6931.8	6019.1	5215.2	4498.8
-10°	13581.8	12337.1	11222.4	10230.1	9322.4	8436.3	7648.7	6832.6	5951.9	5155.5	4446.6
-12.5°	13318.8	12112.9	11012.0	10030.7	9159.9	8305.9	7534.5	6695.5	5837.2	5056.1	4363.9
-15°	12971.5	11819.5	10751.5	9795.0	8952.7	8136.3	7365.4	6543.8	5725.4	4933.5	4250.5
-17.5°	12591.5	11432.5	10380.7	9479.5	8680.6	7906.6	7150.2	6384.5	5596.5	4818.6	4148.3
-20°	12160.0	11021.8	9979.8	9106.3	8352.5	7619.2	6919.7	6206.3	5417.6	4686.4	4041.1



REPORT NUMBER: P627730 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-722-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	11539.1	10533.7	9578.5	8722.0	8001.3	7330.1	6656.5	5966.7	5185.6	4520.7	3895.1
-25°	10925.3	9990.5	9131.9	8344.7	7648.7	7011.3	6356.1	5672.2	4979.1	4326.2	3716.6
-27.5°	10324.6	9458.9	8603.4	7895.7	7270.7	6648.0	6032.4	5385.4	4747.3	4107.3	3549.0
-30°	9676.2	8866.5	8095.1	7430.9	6839.2	6263.1	5709.4	5105.4	4477.6	3870.2	3368.1
-32.5°	8964.0	8253.4	7573.6	6948.2	6395.2	5884.8	5359.3	4786.7	4166.4	3648.6	3158.6
-35°	8272.8	7616.9	7030.2	6478.6	5976.7	5509.5	5000.8	4427.4	3882.7	3396.8	2922.3
-37.5°	7654.2	7015.3	6472.0	5996.8	5577.5	5134.5	4627.4	4118.6	3606.4	3116.6	2702.5
-40°	7014.2	6417.9	5935.4	5549.1	5147.8	4749.1	4302.7	3829.6	3324.3	2845.8	2486.7
-42.5°	6393.6	5912.5	5436.9	5050.2	4690.5	4364.1	3987.5	3509.9	3045.4	2629.7	2284.7
-45°	5786.1	5349.1	4914.9	4562.2	4263.0	3957.0	3620.3	3186.2	2769.0	2412.1	2086.7
-47.5°	5161.9	4793.9	4431.7	4104.0	3836.5	3539.2	3214.2	2846.5	2504.6	2183.0	1894.8
-50°	4562.6	4264.1	3971.1	3687.1	3416.4	3126.2	2835.8	2539.0	2233.9	1953.6	1692.1
-52.5°	3998.3	3751.1	3503.5	3255.0	3018.4	2764.7	2496.7	2232.7	1964.4	1730.2	1496.6
-55°	3467.5	3255.6	3059.3	2859.9	2660.5	2431.6	2190.0	1952.1	1738.0	1522.8	1332.4
-57.5°	2997.6	2811.6	2655.4	2492.6	2324.0	2121.4	1914.6	1713.7	1536.0	1357.9	1181.6
-60°	2582.5	2420.2	2286.3	2144.5	1994.9	1825.5	1661.4	1502.1	1348.6	1203.2	1051.5
-62.5°	2190.3	2059.4	1938.8	1818.7	1697.1	1568.7	1428.4	1300.0	1181.0	1058.6	921.3
-65°	1819.4	1716.9	1615.6	1518.6	1418.7	1315.5	1203.8	1102.2	1005.0	905.6	787.0
-67.5°	1481.1	1400.9	1318.8	1237.6	1159.7	1077.9	992.9	908.2	828.9	747.9	651.6
-70°	1192.3	1131.9	1068.1	1000.3	935.8	871.7	806.0	737.5	665.0	598.8	532.9
-72.5°	962.3	918.9	871.2	816.4	758.3	703.0	649.7	596.2	541.2	484.6	427.0
-75°	777.7	745.8	709.5	663.8	616.8	568.7	523.8	477.8	427.5	372.6	319.1
-77.5°	615.8	596.3	573.9	537.4	500.5	463.3	423.2	373.0	321.8	271.2	227.0
-80°	461.6	452.4	439.1	407.4	375.6	344.0	310.6	266.8	223.2	182.4	149.5
-82.5°	304.6	298.3	289.9	268.7	247.7	227.2	206.1	175.6	146.5	119.0	94.6
-85°	166.5	161.0	155.1	145.1	135.0	125.1	115.0	98.2	82.4	67.7	54.6
-87.5°	60.9	58.8	56.7	54.6	52.4	50.1	47.8	42.9	38.1	33.5	29.0
-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: P627730 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-722-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	18.1	16.5	14.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.2	3.5
85°	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.4	1.1	2.0
82.5°	0.0	0.0	0.0	0.1	1.1	1.7	1.9	1.7	1.0	0.2	0.5
80°	0.0	0.0	0.0	0.2	1.6	3.5	4.4	4.5	3.5	2.4	1.3
77.5°	0.0	0.0	0.0	0.1	0.7	1.9	3.8	6.0	5.9	4.6	3.3
75°	0.0	0.0	0.0	0.3	0.4	0.1	1.4	3.5	5.4	6.5	5.2
72.5°	0.0	0.0	0.0	0.8	1.8	1.9	1.1	1.1	3.8	5.6	6.5
70°	1.0	0.4	0.0	1.1	2.7	4.0	3.7	3.0	2.5	4.8	6.2
67.5°	3.1	3.3	2.5	1.9	3.0	4.6	6.1	5.9	5.1	4.3	6.1
65°	7.7	7.1	6.5	5.8	4.9	4.9	6.4	8.1	7.7	6.6	6.0
62.5°	11.5	11.5	10.6	9.6	8.6	7.4	6.9	9.1	10.0	8.9	7.5
60°	14.8	15.5	14.8	13.5	12.2	10.8	9.8	10.3	11.5	11.1	9.4
57.5°	20.5	19.9	19.6	17.8	15.7	14.1	13.2	12.9	13.2	13.1	11.4
55°	36.1	25.1	25.3	23.4	20.1	17.3	16.6	16.0	15.3	15.0	13.4
52.5°	91.4	50.7	32.5	30.1	26.2	21.4	20.0	19.1	18.1	17.1	15.2
50°	168.7	109.2	61.9	38.8	33.1	28.2	23.4	22.2	20.9	19.5	17.1
47.5°	269.9	187.7	122.0	61.2	42.7	35.2	29.3	25.3	23.7	21.9	18.9
45°	415.8	276.6	191.8	121.1	56.9	48.6	36.2	28.3	26.4	24.2	20.7
42.5°	578.6	405.9	269.1	183.0	108.6	67.3	43.3	34.4	29.1	26.7	22.7
40°	738.1	560.9	361.4	252.3	163.9	90.2	62.3	41.0	31.9	29.3	25.0
37.5°	914.8	724.9	506.3	326.4	220.2	137.7	85.4	47.8	36.2	32.1	27.3
35°	1133.2	906.9	651.3	434.8	291.7	181.8	111.1	60.8	44.5	34.9	29.7
32.5°	1351.3	1088.5	808.0	560.9	366.3	222.4	144.5	86.8	54.2	38.0	32.2
30°	1570.8	1254.9	955.5	677.6	452.3	287.5	180.5	112.0	65.3	41.1	34.7
27.5°	1768.4	1412.0	1093.7	799.6	553.0	356.4	218.1	136.5	77.6	46.5	37.2
25°	1991.6	1581.7	1229.6	916.2	645.2	428.2	256.7	160.4	95.6	56.1	39.8
22.5°	2278.9	1756.0	1355.6	1021.9	736.4	496.8	306.4	192.1	115.4	66.1	42.4
20°	2564.5	1926.3	1479.0	1154.3	835.7	574.1	363.8	223.6	134.2	76.5	45.0
17.5°	2844.8	2144.6	1658.5	1289.5	941.9	646.3	417.5	254.5	151.9	87.1	47.5
15°	3096.1	2394.7	1835.0	1417.5	1045.8	713.1	467.1	284.5	168.5	97.7	50.8
12.5°	3307.1	2610.3	2001.2	1537.2	1146.0	774.2	512.5	313.3	183.8	109.6	55.4
10°	3481.5	2792.6	2155.3	1647.8	1240.6	829.1	553.3	342.1	201.7	122.1	60.2
7.5°	3620.8	2943.2	2295.5	1748.3	1326.5	880.4	597.2	372.5	219.1	134.0	65.0
5°	3725.6	3060.7	2403.9	1820.3	1394.7	927.6	637.8	400.4	235.2	145.2	69.9
2.5°	3793.7	3147.2	2484.2	1876.8	1450.3	967.3	673.4	425.5	249.9	155.4	74.6
0°	3833.8	3209.0	2544.9	1920.2	1492.7	999.5	703.6	447.2	263.0	164.4	78.9
-2.5°	3869.7	3249.6	2597.9	1995.8	1521.8	1052.3	723.0	466.8	283.8	170.9	86.9
-5°	3881.5	3267.4	2632.6	2054.1	1539.4	1095.0	736.5	482.8	302.0	176.2	94.3
-7.5°	3861.5	3256.7	2644.8	2087.2	1547.6	1125.2	744.4	495.3	316.9	180.3	100.7
-10°	3817.0	3221.5	2628.8	2077.2	1558.8	1134.7	749.0	504.5	327.6	183.3	106.0
-12.5°	3751.0	3168.2	2594.2	2055.2	1556.9	1128.7	761.4	511.7	333.3	185.4	110.0
-15°	3664.7	3098.6	2541.4	2022.6	1538.2	1115.1	764.5	514.3	332.7	189.3	112.4
-17.5°	3562.9	3014.1	2470.6	1981.1	1501.7	1094.7	757.6	511.1	329.3	194.9	114.8
-20°	3461.1	2920.2	2386.6	1932.0	1446.7	1068.1	740.0	501.7	323.3	198.6	117.1

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Scaled Data Report



REPORT NUMBER: P627730 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-722-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	3341.7	2812.5	2314.0	1863.6	1387.2	1036.1	711.2	485.8	314.6	200.2	118.2
-25°	3204.5	2686.7	2226.7	1769.5	1340.3	999.9	681.4	463.1	303.5	199.6	117.8
-27.5°	3049.5	2552.4	2124.0	1666.5	1291.5	949.4	653.2	446.4	294.0	196.8	116.0
-30°	2876.5	2425.8	2001.1	1567.4	1232.0	894.7	616.3	427.8	289.7	193.1	112.8
-32.5°	2690.1	2283.3	1869.0	1491.9	1164.2	838.0	583.6	406.7	282.4	188.4	113.0
-35°	2515.2	2128.3	1734.2	1404.7	1092.4	804.4	561.9	383.3	272.2	181.9	113.6
-37.5°	2327.9	1965.6	1627.5	1313.9	1016.8	765.8	544.2	372.8	259.0	173.5	113.2
-40°	2147.7	1811.4	1504.0	1227.3	960.7	722.4	516.5	361.1	246.3	163.2	111.7
-42.5°	1965.4	1666.5	1385.9	1133.0	907.9	680.4	480.9	343.1	236.1	157.4	109.1
-45°	1797.5	1516.8	1260.1	1050.8	849.2	626.6	453.5	320.6	223.6	153.1	106.8
-47.5°	1621.0	1364.4	1145.3	960.8	772.5	568.2	418.7	302.9	208.5	147.6	105.2
-50°	1438.9	1220.0	1037.8	861.9	678.6	519.3	381.5	281.8	203.1	143.3	102.6
-52.5°	1279.5	1093.2	927.9	760.3	607.6	462.3	353.3	259.1	195.9	139.6	99.0
-55°	1142.3	972.6	819.6	676.9	540.1	420.3	321.4	248.3	187.0	135.0	94.5
-57.5°	1021.0	860.8	730.8	602.6	483.7	379.9	298.9	235.5	177.7	128.7	90.5
-60°	903.0	771.6	650.1	535.8	431.1	345.0	281.3	220.8	166.6	120.6	86.1
-62.5°	794.1	678.3	572.6	469.4	384.0	316.6	261.2	203.6	153.5	110.6	80.2
-65°	679.8	581.1	491.8	410.7	341.1	283.4	235.2	184.1	136.2	98.5	72.7
-67.5°	560.9	488.5	418.8	351.2	294.4	245.9	205.4	158.2	115.9	84.5	63.8
-70°	467.1	403.4	344.3	291.3	245.0	205.4	167.9	127.8	93.5	72.4	54.4
-72.5°	371.8	319.9	271.4	229.2	196.2	162.6	128.5	97.8	77.5	59.7	44.5
-75°	275.2	240.0	208.5	179.2	149.5	120.1	97.9	77.8	61.1	46.5	37.5
-77.5°	199.7	174.3	151.1	132.6	112.1	92.5	73.9	57.0	46.3	38.6	31.5
-80°	135.7	122.4	109.5	96.5	80.0	64.5	53.3	43.9	37.3	31.1	25.4
-82.5°	85.5	78.4	72.0	65.4	55.8	47.2	39.6	33.1	28.1	23.4	20.6
-85°	50.7	46.9	43.2	39.5	34.2	29.5	27.3	25.2	23.1	20.9	18.7
-87.5°	28.6	28.2	27.7	27.3	25.9	24.6	23.5	22.5	20.6	18.7	16.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.3	4.9



REPORT NUMBER: P627730 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-722-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	13.2	11.6	9.9	8.2	6.6	6.6	6.6
87.5°	4.9	5.5	6.0	6.4	6.6	6.6	6.6
85°	3.2	4.5	5.5	6.2	6.6	6.6	6.6
82.5°	1.6	3.4	4.9	6.0	6.6	6.6	6.6
80°	0.3	2.4	4.4	5.8	6.6	6.6	6.6
77.5°	2.0	2.2	3.9	5.6	6.6	6.6	6.6
75°	3.7	3.3	3.6	5.5	6.6	6.6	6.6
72.5°	5.3	4.3	4.2	5.3	6.6	6.6	6.6
70°	6.6	5.3	4.7	5.3	6.6	6.6	6.6
67.5°	6.8	6.2	5.3	5.5	6.6	6.6	6.6
65°	7.1	6.8	5.7	5.7	6.6	6.6	6.6
62.5°	7.4	7.4	6.2	5.9	6.6	6.6	6.6
60°	7.8	7.9	6.6	6.1	6.6	6.6	6.6
57.5°	9.4	8.6	7.2	6.3	6.7	6.6	6.6
55°	11.1	9.2	7.9	6.4	6.8	6.6	6.6
52.5°	12.7	10.1	8.6	6.5	6.9	6.6	6.6
50°	14.3	11.4	9.3	6.6	7.0	6.6	6.6
47.5°	15.9	12.8	10.1	6.7	7.2	6.6	6.6
45°	17.4	14.0	10.9	7.4	7.4	6.6	6.6
42.5°	18.9	15.3	11.7	8.0	7.6	6.6	6.6
40°	20.4	16.5	12.6	8.8	7.8	6.6	6.6
37.5°	21.8	17.7	13.5	9.6	8.1	6.6	6.6
35°	23.2	18.8	14.5	10.5	8.4	6.6	6.6
32.5°	24.7	19.9	15.3	11.3	8.7	6.6	6.6
30°	26.6	21.0	16.2	12.1	9.0	6.6	6.6
27.5°	28.6	22.0	17.2	12.9	9.3	6.6	6.6
25°	30.6	22.9	18.2	13.7	9.7	6.6	6.6
22.5°	32.5	24.0	19.2	14.4	10.0	6.6	6.6
20°	34.4	25.2	20.2	15.2	10.4	6.6	6.6
17.5°	36.3	26.3	21.1	15.8	10.8	6.6	6.6
15°	38.1	27.4	21.9	16.5	11.2	6.6	6.6
12.5°	39.8	28.5	22.8	17.1	11.5	6.6	6.6
10°	41.3	29.5	23.6	17.7	11.9	6.6	6.6
7.5°	42.7	30.4	24.3	18.3	12.2	6.6	6.6
5°	44.0	31.3	25.0	18.8	12.6	6.6	6.6
2.5°	45.1	32.1	25.7	19.3	12.9	6.6	6.6
0°	46.0	32.9	26.3	19.7	13.2	6.6	6.6
-2.5°	48.6	33.6	26.9	19.7	13.2	6.6	6.6
-5°	50.9	34.2	27.3	19.6	13.1	6.6	6.6
-7.5°	53.0	34.8	27.8	19.5	13.1	6.6	6.6
-10°	54.7	35.3	28.1	19.4	13.0	6.6	6.6
-12.5°	56.0	35.7	28.3	19.2	12.9	6.6	6.6
-15°	56.8	36.1	28.4	19.0	12.7	6.6	6.6
-17.5°	57.1	36.4	28.3	18.8	12.6	6.6	6.6
-20°	58.5	36.6	28.1	18.5	12.4	6.6	6.6

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CATALOG NUMBER: GFLD-SA5E-722-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	62.3	36.8	27.8	18.2	12.2	6.6	6.6
-25°	65.4	39.2	27.3	17.9	12.0	6.6	6.6
-27.5°	67.8	42.2	26.6	17.5	11.7	6.6	6.6
-30°	69.4	44.8	26.0	17.1	11.4	6.6	6.6
-32.5°	70.3	47.0	26.9	16.6	11.1	6.6	6.6
-35°	72.2	48.7	27.6	16.2	10.8	6.6	6.6
-37.5°	74.1	49.8	28.1	15.7	10.5	6.6	6.6
-40°	75.3	50.2	28.3	15.1	10.1	6.6	6.6
-42.5°	75.6	50.2	28.5	14.8	9.7	6.6	6.6
-45°	75.3	49.8	28.6	14.9	9.3	6.6	6.6
-47.5°	74.1	49.1	28.4	14.8	8.9	6.6	6.6
-50°	72.6	47.9	27.9	14.6	8.5	6.6	6.6
-52.5°	70.5	46.4	27.1	14.3	8.0	6.6	6.6
-55°	68.0	44.5	26.0	13.9	7.6	6.6	6.6
-57.5°	65.0	42.1	24.5	13.4	7.1	6.6	6.6
-60°	61.4	39.3	22.8	12.8	6.6	6.6	6.6
-62.5°	56.5	36.0	21.5	12.1	6.6	6.6	6.6
-65°	50.9	32.2	20.1	11.3	6.6	6.6	6.6
-67.5°	44.8	29.0	18.6	10.5	6.6	6.6	6.6
-70°	38.2	26.3	16.9	9.5	6.6	6.6	6.6
-72.5°	33.7	23.5	15.0	9.3	6.6	6.6	6.6
-75°	29.3	20.4	13.1	9.2	6.6	6.6	6.6
-77.5°	24.8	17.2	12.4	9.1	6.6	6.6	6.6
-80°	20.0	15.5	12.0	9.0	6.6	6.6	6.6
-82.5°	18.1	14.6	11.5	8.8	6.6	6.6	6.6
-85°	16.5	13.6	11.0	8.7	6.6	6.6	6.6
-87.5°	14.9	12.6	10.5	8.5	6.6	6.6	6.6
-90°	6.6	6.6	6.6	6.6	6.6	6.6	6.6

(END OF REPORT)