

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: P627550 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5B-722-U-VWR-VSR-XX**

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-08  
 Report Number: P627550 (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-SA5B-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: -

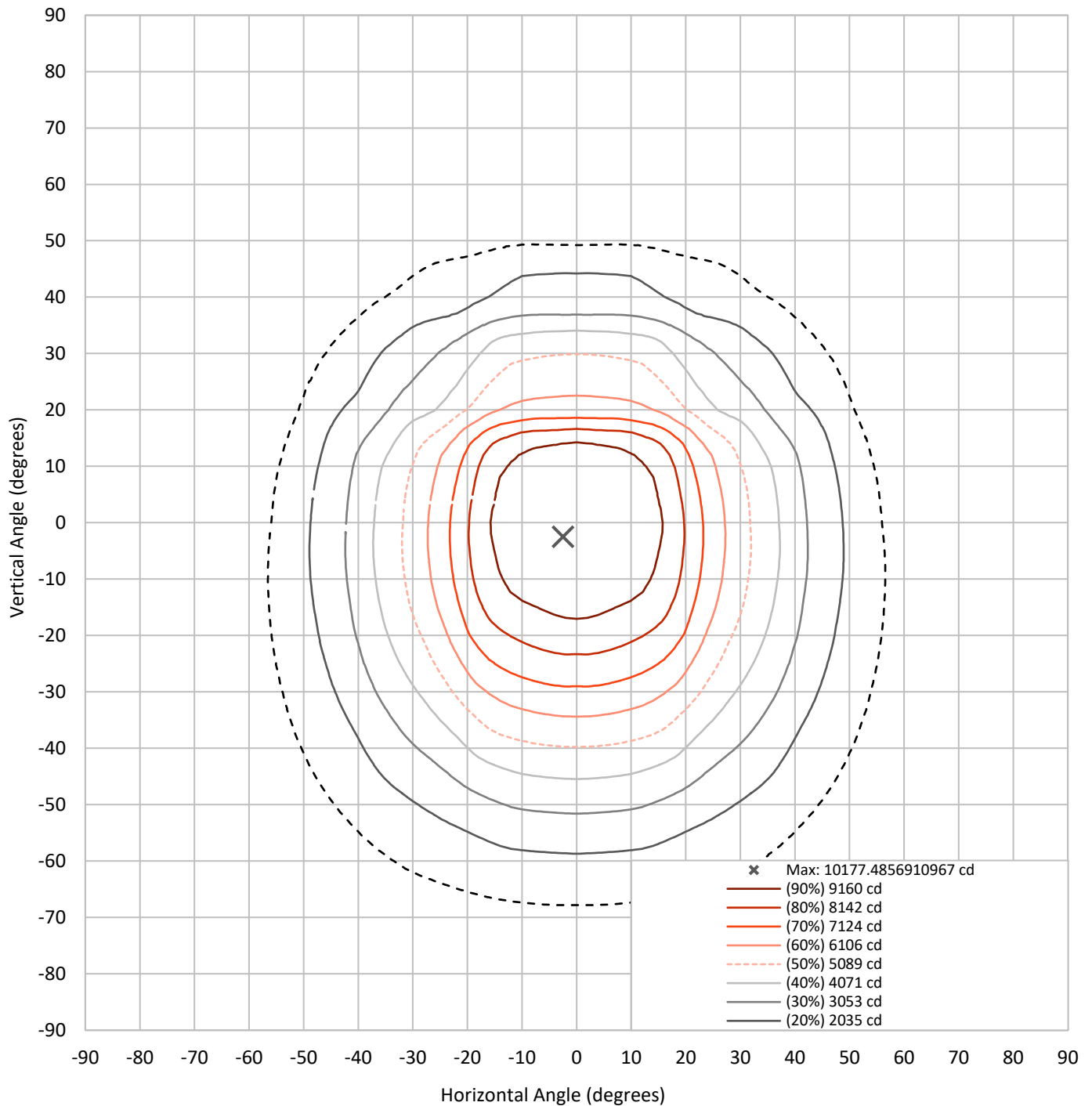
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	13582.2 lumens	Max Intensity:	10177.5 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x -2.5°V
Efficacy:	85.6 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:	7858.2 lumens	Field Lumens:	12888.7 lumens
Beam Efficiency:	57.9%	Field Efficiency:	94.9%
Input Watts (W):	158.7		
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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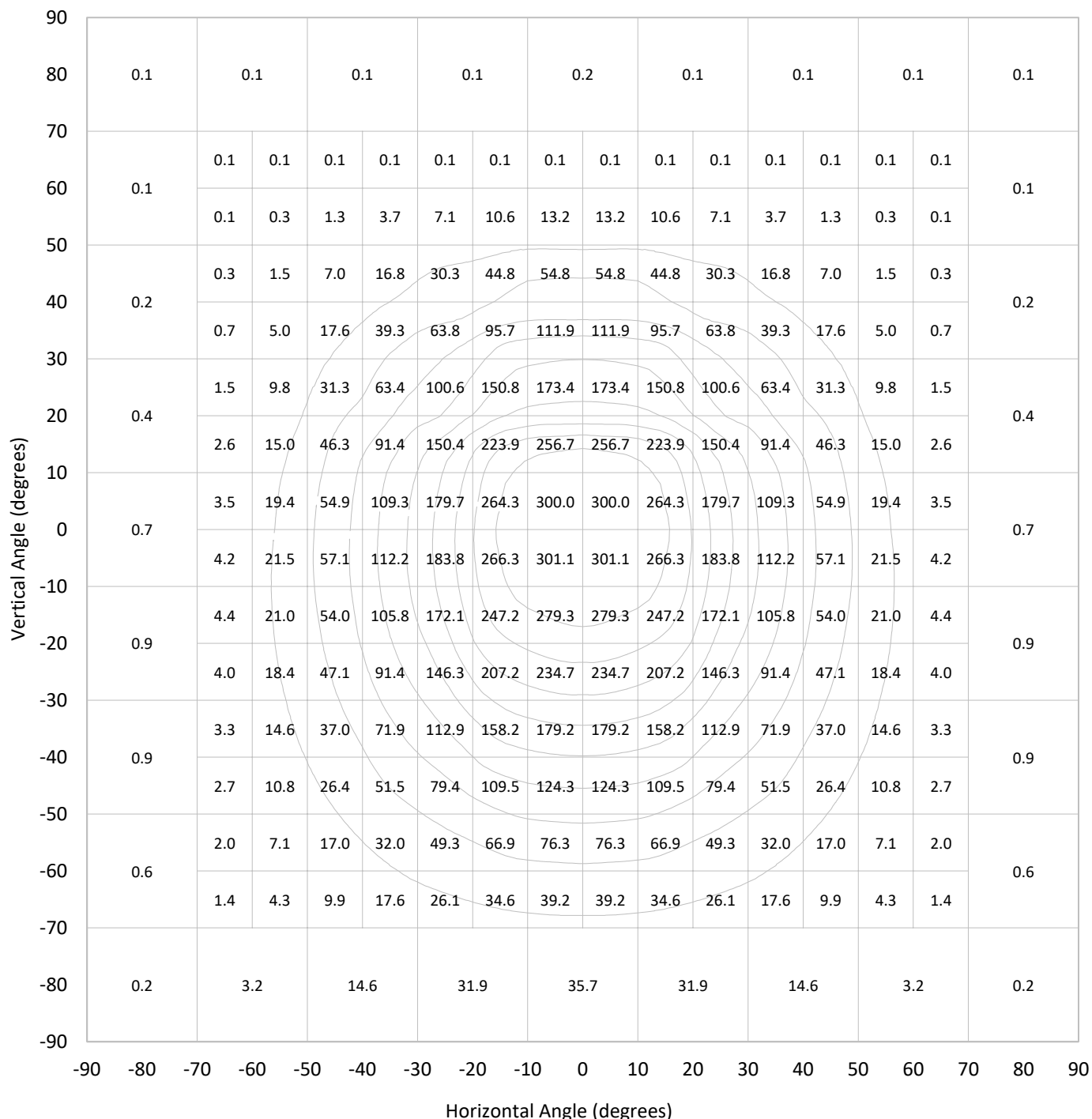
### Iso-Candela Plot





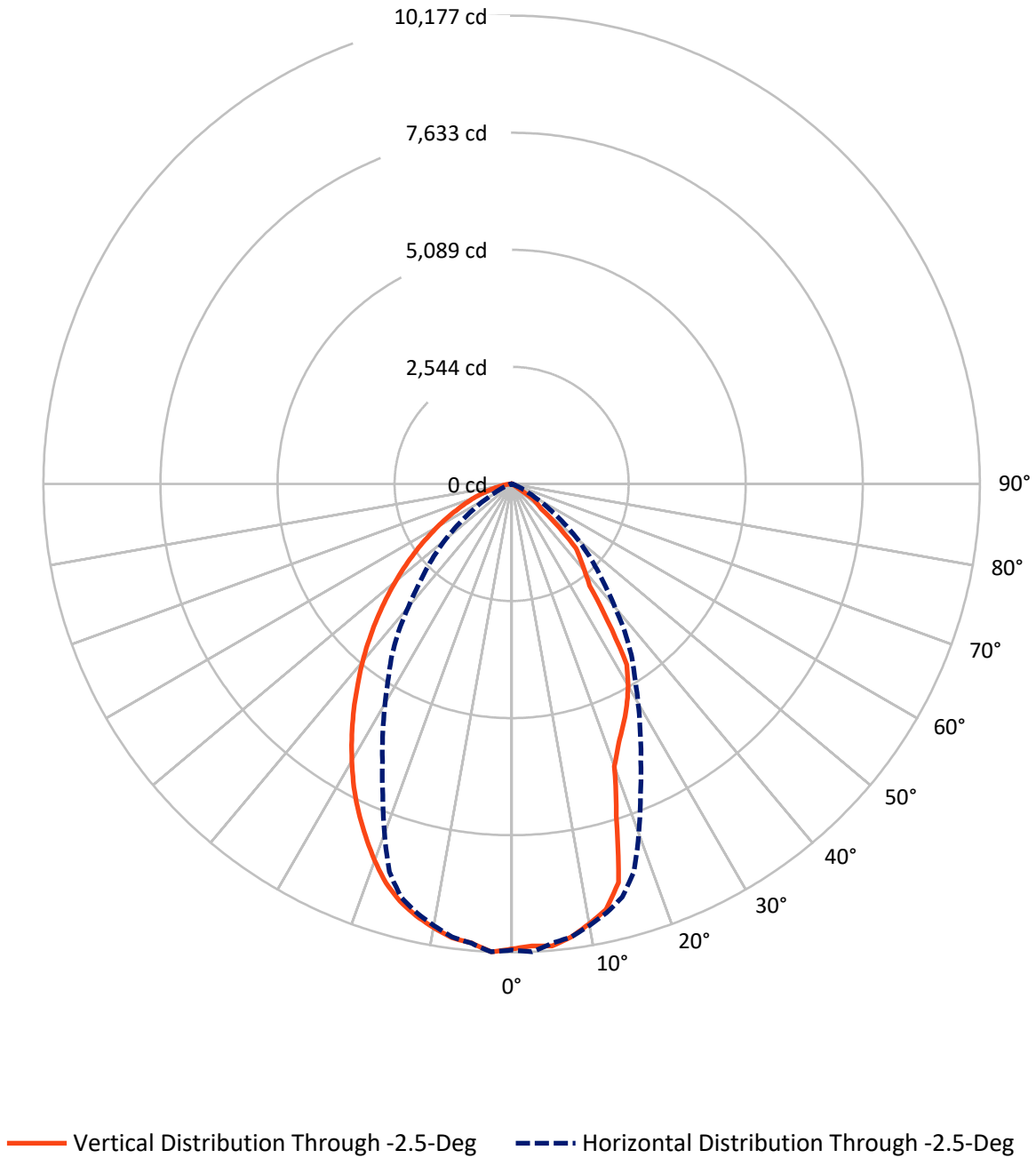
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### Lumen Table



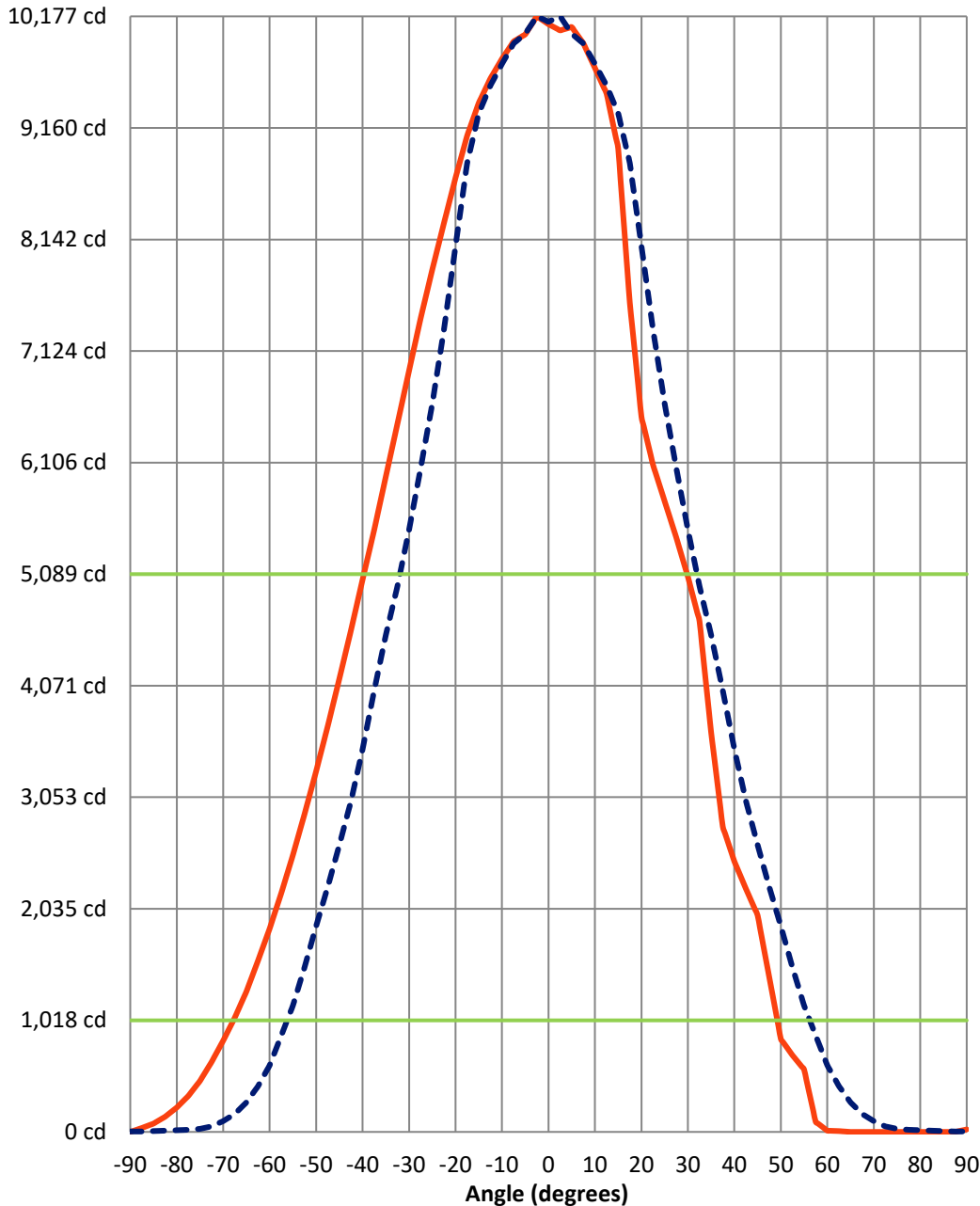
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CATALOG NUMBER: GFLD-SA5B-722-U-VWR-VSR-XX

### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 63.9°  
 V Angle: 69.6°  
 Lumens: 7858.2  
 Efficiency: 57.9%

**Field:**  
 H Angle: 112.5°  
 V Angle: 117.1°  
 Lumens: 12888.7  
 Efficiency: 94.9%

**Spill:**  
 Lumens: 693.6  
 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°	3.8	3.8	3.8	4.7	5.7	6.7	7.6	8.6	9.5	10.5	11.4
87.5°	3.8	3.8	3.8	3.7	3.5	3.2	2.8	2.0	1.3	0.6	0.0
85°	3.8	3.8	3.8	3.6	3.1	2.6	1.8	1.1	0.6	0.2	0.0
82.5°	3.8	3.8	3.8	3.4	2.8	2.0	0.9	0.3	0.1	0.6	1.0
80°	3.8	3.8	3.8	3.3	2.5	1.4	0.2	0.7	1.4	2.0	2.6
77.5°	3.8	3.8	3.8	3.2	2.2	1.3	1.2	1.9	2.7	3.4	3.4
75°	3.8	3.8	3.8	3.1	2.1	1.9	2.1	3.0	3.7	3.1	2.0
72.5°	3.8	3.8	3.8	3.1	2.4	2.5	3.0	3.8	3.2	2.2	0.7
70°	3.8	3.8	3.8	3.0	2.7	3.0	3.8	3.6	2.8	1.4	1.7
67.5°	3.8	3.8	3.8	3.2	3.0	3.6	3.9	3.5	2.5	2.9	3.4
65°	3.8	3.8	3.8	3.3	3.3	3.9	4.1	3.5	3.8	4.4	4.7
62.5°	3.8	3.8	3.8	3.4	3.6	4.2	4.3	4.3	5.1	5.8	5.2
60°	3.8	3.8	3.8	3.5	3.8	4.6	4.5	5.4	6.4	6.6	5.9
57.5°	3.8	3.8	3.8	3.6	4.2	4.9	5.4	6.6	7.5	7.6	7.4
55°	3.8	3.8	3.9	3.7	4.5	5.3	6.4	7.7	8.7	8.8	9.2
52.5°	3.8	3.8	4.0	3.7	4.9	5.8	7.3	8.8	9.9	10.5	11.0
50°	3.8	3.8	4.1	3.8	5.4	6.6	8.2	9.9	11.3	12.1	12.8
47.5°	3.8	3.8	4.1	3.9	5.8	7.4	9.2	10.9	12.7	13.7	14.6
45°	3.8	3.8	4.3	4.2	6.3	8.1	10.1	12.0	14.0	15.3	16.4
42.5°	3.8	3.8	4.4	4.6	6.7	8.8	10.9	13.1	15.4	16.8	19.8
40°	3.8	3.8	4.5	5.0	7.3	9.5	11.8	14.4	16.9	18.4	23.7
37.5°	3.8	3.8	4.7	5.6	7.8	10.2	12.6	15.8	18.5	20.9	27.6
35°	3.8	3.8	4.8	6.0	8.3	10.9	13.4	17.2	20.2	25.7	35.1
32.5°	3.8	3.8	5.0	6.5	8.8	11.5	14.3	18.6	21.9	31.3	50.1
30°	3.8	3.8	5.2	7.0	9.3	12.1	15.4	20.0	23.7	37.7	64.7
27.5°	3.8	3.8	5.4	7.5	9.9	12.7	16.5	21.5	26.9	44.8	78.9
25°	3.8	3.8	5.6	7.9	10.5	13.3	17.6	23.0	32.4	55.2	92.7
22.5°	3.8	3.8	5.8	8.3	11.1	13.8	18.8	24.5	38.2	66.7	111.0
20°	3.8	3.8	6.0	8.7	11.7	14.5	19.8	26.0	44.2	77.5	129.2
17.5°	3.8	3.8	6.2	9.1	12.2	15.2	20.9	27.4	50.3	87.8	147.0
15°	3.8	3.8	6.4	9.5	12.7	15.8	22.0	29.4	56.5	97.3	164.4
12.5°	3.8	3.8	6.6	9.9	13.2	16.5	23.0	32.0	63.3	106.2	181.0
10°	3.8	3.8	6.8	10.2	13.6	17.0	23.9	34.8	70.6	116.6	197.7
7.5°	3.8	3.8	7.0	10.6	14.1	17.6	24.7	37.6	77.4	126.6	215.2
5°	3.8	3.8	7.2	10.9	14.5	18.1	25.4	40.4	83.9	135.9	231.3
2.5°	3.8	3.8	7.4	11.1	14.9	18.6	26.0	43.1	89.8	144.4	245.8
0°	3.8	3.8	7.6	11.4	15.2	19.0	26.6	45.6	95.0	152.0	258.3
-2.5°	3.8	3.8	7.6	11.4	15.2	19.0	26.6	45.6	95.0	152.0	258.3
-5°	3.8	3.8	7.6	11.4	15.8	19.8	29.4	54.5	101.8	174.5	278.9
-7.5°	3.8	3.8	7.5	11.3	16.0	20.1	30.6	58.2	104.2	183.1	286.1
-10°	3.8	3.8	7.5	11.2	16.2	20.4	31.6	61.3	105.9	189.3	291.5
-12.5°	3.8	3.8	7.4	11.1	16.3	20.6	32.3	63.5	107.1	192.6	295.6
-15°	3.8	3.8	7.3	11.0	16.4	20.8	32.8	64.9	109.4	192.2	297.1
-17.5°	3.8	3.8	7.2	10.9	16.4	21.0	33.0	66.3	112.6	190.3	295.3
-20°	3.8	3.8	7.1	10.7	16.3	21.1	33.8	67.7	114.8	186.8	289.9

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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°	3.8	3.8	7.0	10.5	16.1	21.2	36.0	68.3	115.7	181.8	280.7
-25°	3.8	3.8	6.9	10.3	15.8	22.6	37.8	68.1	115.4	175.3	267.5
-27.5°	3.8	3.8	6.7	10.1	15.4	24.4	39.1	67.1	113.7	169.8	257.9
-30°	3.8	3.8	6.6	9.9	15.0	25.9	40.1	65.2	111.6	167.4	247.1
-32.5°	3.8	3.8	6.4	9.6	15.6	27.2	40.6	65.3	108.9	163.2	235.0
-35°	3.8	3.8	6.2	9.3	16.0	28.2	41.7	65.7	105.1	157.3	221.4
-37.5°	3.8	3.8	6.0	9.0	16.2	28.8	42.8	65.4	100.3	149.7	215.4
-40°	3.8	3.8	5.8	8.7	16.4	29.0	43.5	64.5	94.3	142.4	208.6
-42.5°	3.8	3.8	5.6	8.5	16.5	29.0	43.7	63.0	91.0	136.5	198.3
-45°	3.8	3.8	5.4	8.6	16.6	28.8	43.5	61.7	88.5	129.2	185.3
-47.5°	3.8	3.8	5.1	8.5	16.4	28.4	42.8	60.8	85.3	120.5	175.0
-50°	3.8	3.8	4.9	8.4	16.1	27.7	41.9	59.3	82.8	117.4	162.8
-52.5°	3.8	3.8	4.6	8.3	15.7	26.8	40.8	57.2	80.7	113.2	149.8
-55°	3.8	3.8	4.4	8.0	15.0	25.7	39.3	54.6	78.0	108.1	143.5
-57.5°	3.8	3.8	4.1	7.7	14.1	24.4	37.6	52.3	74.4	102.7	136.1
-60°	3.8	3.8	3.8	7.4	13.1	22.7	35.5	49.8	69.7	96.3	127.6
-62.5°	3.8	3.8	3.8	7.0	12.4	20.8	32.6	46.4	63.9	88.7	117.6
-65°	3.8	3.8	3.8	6.5	11.6	18.6	29.4	42.0	56.9	78.7	106.4
-67.5°	3.8	3.8	3.8	6.0	10.7	16.7	25.9	36.9	48.9	67.0	91.4
-70°	3.8	3.8	3.8	5.5	9.7	15.2	22.0	31.4	41.8	54.0	73.9
-72.5°	3.8	3.8	3.8	5.4	8.7	13.5	19.5	25.7	34.5	44.8	56.5
-75°	3.8	3.8	3.8	5.3	7.6	11.8	16.9	21.7	26.9	35.3	45.0
-77.5°	3.8	3.8	3.8	5.3	7.2	10.0	14.3	18.2	22.3	26.7	33.0
-80°	3.8	3.8	3.8	5.2	6.9	9.0	11.6	14.7	18.0	21.5	25.4
-82.5°	3.8	3.8	3.8	5.1	6.6	8.4	10.5	11.9	13.6	16.2	19.1
-85°	3.8	3.8	3.8	5.0	6.3	7.9	9.5	10.8	12.1	13.3	14.6
-87.5°	3.8	3.8	3.8	4.9	6.0	7.3	8.6	9.7	10.8	11.9	13.0
-90°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	2.8	1.9	0.9	0.0





REPORT NUMBER: P627550 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5B-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°	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	12.4	13.3	14.3
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°	1.1	1.0	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	2.5	2.0	0.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	2.2	1.1	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.8	0.1	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.6	1.1	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	2.2	2.3	1.6	0.6	0.0	0.2	0.6	0.4	0.0	0.2	0.5
67.5°	3.5	2.6	1.7	1.1	1.4	1.9	1.8	1.9	2.1	2.3	1.9
65°	3.7	2.8	2.8	3.3	3.7	4.1	4.4	4.7	4.0	3.4	3.5
62.5°	4.0	4.3	4.9	5.5	6.1	6.6	6.6	5.9	4.5	5.6	6.5
60°	5.6	6.2	7.0	7.8	8.5	8.9	8.5	8.6	9.6	11.1	21.3
57.5°	7.6	8.1	9.1	10.3	11.3	11.5	11.8	12.9	30.1	49.2	54.3
55°	9.6	10.0	11.6	13.5	14.6	14.5	20.8	43.9	66.3	91.9	101.3
52.5°	11.6	12.4	15.1	17.4	18.8	29.3	52.8	84.1	117.2	146.5	184.4
50°	13.5	16.3	19.1	22.4	35.7	63.1	97.5	140.3	190.0	236.9	284.9
47.5°	16.9	20.4	24.7	35.4	70.5	108.5	156.0	224.8	286.2	342.9	408.7
45°	20.9	28.1	32.9	70.0	110.8	159.9	240.3	324.4	380.1	456.0	572.5
42.5°	25.0	38.9	62.8	105.8	155.5	234.5	334.2	406.0	480.1	603.2	725.7
40°	36.0	52.1	94.7	145.8	208.8	324.1	426.5	507.7	608.9	745.3	873.2
37.5°	49.4	79.6	127.3	188.6	292.5	418.8	528.5	644.5	760.8	889.5	1126.6
35°	64.2	105.1	168.5	251.2	376.3	524.0	654.7	784.3	918.4	1171.6	1407.0
32.5°	83.5	128.5	211.7	324.1	466.8	628.9	780.7	930.5	1145.5	1432.2	1668.3
30°	104.3	166.2	261.3	391.5	552.1	725.0	907.5	1088.9	1373.5	1610.7	1867.1
27.5°	126.0	205.9	319.5	461.9	631.9	815.7	1021.7	1280.4	1534.3	1768.6	2050.4
25°	148.3	247.4	372.7	529.3	710.4	913.8	1150.7	1465.8	1664.4	1923.4	2217.3
22.5°	177.1	287.0	425.5	590.4	783.1	1014.5	1316.6	1633.1	1866.8	2084.7	2371.8
20°	210.2	331.6	482.8	666.9	854.4	1113.0	1481.7	1814.5	2089.4	2338.8	2602.5
17.5°	241.2	373.4	544.2	745.0	958.2	1239.1	1643.6	2011.9	2314.4	2592.4	2921.7
15°	269.9	412.0	604.2	819.0	1060.2	1383.5	1788.8	2193.3	2538.8	2851.5	3225.6
12.5°	296.1	447.3	662.1	888.1	1156.2	1508.1	1910.7	2305.5	2685.2	3092.8	3517.4
10°	319.7	479.0	716.7	952.0	1245.2	1613.4	2011.4	2399.1	2782.2	3213.5	3685.3
7.5°	345.0	508.7	766.4	1010.1	1326.2	1700.4	2091.8	2474.2	2860.6	3310.0	3794.4
5°	368.5	535.9	805.8	1051.7	1388.8	1768.3	2152.4	2531.3	2920.1	3382.0	3877.0
2.5°	389.0	558.9	837.9	1084.3	1435.2	1818.2	2191.7	2578.8	2964.2	3440.5	3940.1
0°	406.5	577.5	862.4	1109.4	1470.3	1854.0	2214.9	2610.0	2990.0	3480.1	3981.6
-2.5°	417.7	608.0	879.2	1153.1	1501.0	1877.4	2235.6	2618.8	3017.8	3492.7	4028.1
-5°	425.5	632.7	889.4	1186.7	1521.0	1887.8	2242.5	2612.0	3025.2	3489.5	4035.0
-7.5°	430.1	650.1	894.1	1205.9	1528.1	1881.6	2230.9	2599.1	3013.0	3477.5	4004.8
-10°	432.7	655.6	900.6	1200.1	1518.8	1861.2	2205.2	2569.0	2978.6	3438.7	3947.5
-12.5°	439.9	652.1	899.5	1187.3	1498.8	1830.4	2167.1	2521.2	2921.1	3372.4	3868.3
-15°	441.7	644.3	888.7	1168.5	1468.2	1790.2	2117.2	2455.7	2850.3	3307.8	3780.6
-17.5°	437.7	632.5	867.6	1144.6	1427.3	1741.4	2058.5	2396.6	2783.9	3233.3	3688.6
-20°	427.5	617.1	835.8	1116.2	1378.8	1687.1	1999.6	2334.7	2707.5	3130.0	3585.7

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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°	410.9	598.6	801.4	1076.7	1336.9	1624.9	1930.7	2250.4	2611.8	2996.0	3447.2
-25°	393.7	577.7	774.3	1022.3	1286.5	1552.2	1851.4	2147.3	2499.4	2876.7	3277.1
-27.5°	377.4	548.5	746.2	962.8	1227.1	1474.6	1761.8	2050.4	2373.0	2742.7	3111.4
-30°	356.0	516.9	711.8	905.5	1156.1	1401.5	1661.9	1945.9	2236.0	2586.9	2949.6
-32.5°	337.2	484.2	672.6	861.9	1079.8	1319.1	1554.2	1824.9	2108.0	2407.1	2765.5
-35°	324.6	464.8	631.1	811.6	1002.0	1229.6	1453.1	1688.3	1962.5	2243.2	2557.9
-37.5°	314.4	442.5	587.4	759.1	940.3	1135.7	1344.9	1561.3	1800.6	2083.6	2379.5
-40°	298.4	417.4	555.1	709.0	868.9	1046.6	1240.8	1436.7	1644.1	1920.6	2212.5
-42.5°	277.8	393.1	524.6	654.6	800.7	962.8	1135.5	1319.9	1519.3	1759.4	2027.8
-45°	262.0	362.0	490.7	607.1	728.0	876.3	1038.5	1205.5	1393.6	1599.7	1840.8
-47.5°	241.9	328.2	446.3	555.1	661.7	788.2	936.5	1094.7	1261.2	1447.0	1644.5
-50°	220.4	300.0	392.0	498.0	599.6	704.8	831.3	977.6	1128.7	1290.6	1466.9
-52.5°	204.1	267.0	351.0	439.2	536.1	631.6	739.2	864.6	999.6	1134.9	1290.0
-55°	185.7	242.8	312.0	391.1	473.5	561.9	660.0	769.8	879.8	1004.1	1127.9
-57.5°	172.7	219.5	279.4	348.1	422.2	497.3	589.9	682.7	784.5	887.4	990.1
-60°	162.6	199.3	249.1	309.5	375.6	445.8	521.7	607.5	695.2	779.1	867.8
-62.5°	151.0	183.0	221.8	271.1	330.8	391.9	458.8	532.3	611.6	682.3	751.1
-65°	135.9	163.8	197.1	237.3	284.1	335.7	392.7	454.7	523.2	580.6	636.8
-67.5°	118.7	142.1	170.1	202.9	241.9	282.2	324.0	376.4	432.1	478.9	524.7
-70°	97.0	118.7	141.6	168.3	198.9	233.1	269.9	307.8	345.9	384.2	426.1
-72.5°	74.2	94.0	113.4	132.5	156.9	184.8	214.8	246.7	279.9	312.6	344.5
-75°	56.6	69.4	86.4	103.6	120.5	138.7	159.0	184.4	215.3	247.0	276.0
-77.5°	42.7	53.5	64.8	76.6	87.3	100.7	115.4	131.2	156.7	185.9	215.5
-80°	30.8	37.3	46.3	55.8	63.3	70.7	78.4	86.4	105.4	129.0	154.1
-82.5°	22.9	27.3	32.3	37.8	41.6	45.3	49.4	54.7	68.7	84.7	101.5
-85°	15.8	17.1	19.8	22.8	25.0	27.1	29.3	31.5	39.1	47.6	56.8
-87.5°	13.6	14.2	15.0	15.8	16.0	16.3	16.5	16.8	19.3	22.0	24.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P627550 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5B-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°	15.2	16.2	17.1	18.1	19.0	20.0	20.9	21.9	22.8	22.8	22.8
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°	0.3	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1.7	1.9	2.0	1.6	0.7	0.0	0.0	0.0	0.0	0.0	0.0
65°	4.0	3.8	2.8	1.9	0.9	1.4	2.3	2.7	2.8	2.5	1.9
62.5°	6.0	5.5	5.0	5.8	6.9	8.0	7.7	7.3	6.7	6.4	6.7
60°	22.5	15.0	17.3	21.7	20.3	13.9	22.9	25.9	22.1	15.1	14.6
57.5°	57.0	55.0	63.0	92.0	101.3	92.3	110.2	133.8	133.1	114.7	114.1
55°	121.3	162.8	212.9	221.0	255.8	325.6	379.9	356.1	355.9	373.9	431.6
52.5°	230.4	269.6	284.1	323.0	395.8	448.6	482.6	517.7	556.3	595.6	635.4
50°	338.2	376.2	419.3	459.1	559.9	614.1	605.1	677.9	771.0	829.2	859.1
47.5°	496.1	556.0	647.1	789.9	865.1	919.5	987.1	1069.6	1176.3	1321.0	1432.5
45°	682.0	776.1	917.1	1068.9	1185.5	1238.7	1316.1	1443.8	1613.9	1779.6	1900.6
42.5°	833.9	963.1	1122.2	1267.1	1362.3	1449.6	1549.8	1657.4	1852.4	2029.4	2169.2
40°	1032.2	1132.8	1311.3	1447.9	1533.2	1619.7	1778.5	1939.6	2122.9	2287.8	2402.4
37.5°	1283.5	1396.7	1582.4	1736.9	1819.0	1849.6	2119.5	2343.9	2492.8	2703.3	2772.2
35°	1553.5	1739.8	1976.4	2176.8	2257.2	2417.8	2695.9	3008.9	3348.1	3472.8	3579.1
32.5°	1854.7	2084.6	2405.6	2620.6	2735.4	2979.1	3331.1	3665.2	4108.6	4349.3	4421.2
30°	2130.3	2394.1	2670.0	2879.0	3075.2	3368.7	3689.7	4101.6	4511.7	4819.4	4915.0
27.5°	2332.5	2624.4	2889.6	3085.3	3306.8	3623.2	4023.4	4440.6	4843.1	5157.1	5268.6
25°	2525.5	2855.5	3065.4	3293.0	3553.1	3897.9	4341.4	4805.0	5201.4	5466.7	5603.6
22.5°	2745.1	3070.4	3295.8	3488.6	3828.6	4225.9	4637.6	5161.4	5581.4	5793.2	5941.5
20°	2971.7	3339.8	3688.0	3867.3	4161.5	4664.5	5125.4	5619.9	6025.5	6246.2	6402.4
17.5°	3287.9	3757.0	4184.1	4438.0	4753.0	5354.5	5929.6	6429.8	6994.0	7193.3	7384.3
15°	3621.3	4164.2	4664.5	5066.8	5473.7	6069.7	6810.0	7413.6	8057.4	8345.0	8670.0
12.5°	3953.6	4467.3	4920.7	5439.6	6013.1	6540.4	7245.1	7996.8	8581.0	8947.7	9166.5
10°	4202.0	4679.2	5115.4	5635.6	6208.0	6804.4	7504.7	8275.2	8886.8	9199.7	9378.3
7.5°	4336.1	4792.8	5252.9	5780.0	6349.9	6985.1	7706.6	8471.1	9096.5	9399.6	9576.0
5°	4435.7	4874.4	5350.7	5905.6	6481.8	7125.9	7846.4	8601.8	9172.0	9494.2	9717.2
2.5°	4495.9	4926.0	5413.0	5986.8	6564.4	7235.3	7990.6	8773.5	9272.4	9531.7	9736.8
0°	4513.4	4946.6	5448.0	6029.3	6622.0	7298.3	8046.7	8821.7	9327.0	9577.8	9786.7
-2.5°	4533.1	4979.0	5494.3	6056.9	6644.5	7318.8	8082.9	8838.0	9292.6	9545.6	9744.4
-5°	4519.4	4981.5	5495.2	6034.1	6625.6	7294.6	8028.0	8734.1	9209.6	9483.1	9680.8
-7.5°	4478.5	4947.2	5455.6	5973.5	6553.7	7230.3	7960.6	8640.6	9122.3	9410.7	9627.0
-10°	4419.0	4874.0	5386.0	5910.4	6483.7	7127.7	7846.9	8522.7	8983.7	9290.0	9542.1
-12.5°	4353.0	4798.7	5292.1	5795.2	6362.1	6998.2	7694.9	8334.8	8793.0	9127.1	9307.2
-15°	4255.3	4700.7	5172.4	5659.0	6211.6	6828.7	7494.2	8108.1	8558.1	8830.0	9029.0
-17.5°	4131.0	4568.0	5015.2	5476.7	5997.4	6605.1	7274.7	7880.0	8246.9	8489.7	8685.4
-20°	3997.9	4402.0	4825.6	5261.1	5765.8	6367.8	7025.4	7553.4	7899.2	8132.4	8317.2



REPORT NUMBER: P627550 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5B-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°	3845.8	4234.9	4622.7	5039.0	5533.9	6085.8	6666.6	7176.9	7548.7	7761.1	7931.9
-25°	3672.2	4050.7	4419.0	4821.1	5275.9	5772.0	6312.1	6813.5	7146.4	7372.1	7541.4
-27.5°	3485.2	3840.8	4200.6	4561.7	4970.6	5464.9	5965.0	6430.9	6715.1	6942.5	7112.8
-30°	3298.6	3618.5	3951.3	4293.2	4676.9	5122.6	5590.4	5982.2	6281.9	6502.9	6661.0
-32.5°	3096.3	3399.9	3694.8	4014.3	4375.6	4768.3	5178.9	5551.6	5871.8	6074.3	6207.5
-35°	2889.2	3183.1	3453.0	3743.0	4061.6	4400.6	4779.6	5147.1	5463.3	5623.5	5753.4
-37.5°	2673.4	2966.4	3222.3	3464.6	3739.1	4053.0	4422.1	4772.8	5046.0	5183.7	5300.8
-40°	2485.8	2743.8	2974.1	3205.9	3429.1	3707.9	4052.3	4391.8	4611.1	4745.3	4854.0
-42.5°	2303.7	2521.3	2709.9	2917.7	3141.1	3415.9	3693.8	3978.5	4154.7	4303.7	4418.2
-45°	2091.6	2286.1	2463.0	2635.8	2839.5	3090.4	3342.9	3570.9	3735.9	3879.9	3991.4
-47.5°	1857.0	2044.8	2216.5	2371.0	2560.4	2769.6	2982.2	3172.0	3334.9	3477.2	3576.7
-50°	1638.3	1806.1	1973.8	2130.2	2294.2	2463.5	2636.0	2802.5	2957.2	3095.5	3180.2
-52.5°	1442.5	1597.3	1743.8	1880.6	2024.1	2167.2	2310.0	2462.5	2604.9	2735.7	2803.3
-55°	1265.3	1404.9	1537.1	1652.3	1767.5	1880.9	2003.3	2144.1	2275.2	2396.4	2445.0
-57.5°	1106.2	1225.6	1342.6	1440.1	1534.1	1624.3	1731.8	1850.7	1965.4	2069.2	2109.0
-60°	959.9	1054.7	1152.5	1238.9	1320.9	1398.3	1492.0	1587.7	1680.8	1759.1	1792.9
-62.5°	825.2	906.3	980.5	1050.7	1120.2	1189.9	1265.5	1341.4	1416.6	1476.9	1507.4
-65°	695.5	760.0	819.6	877.4	933.4	991.9	1051.2	1108.9	1164.5	1207.6	1234.0
-67.5°	573.7	622.8	670.0	715.0	761.9	809.3	855.7	899.9	941.7	975.0	1000.3
-70°	465.7	503.7	540.7	577.9	617.1	653.9	688.8	721.9	753.0	777.0	796.5
-72.5°	375.3	406.2	438.1	471.7	503.3	530.9	556.0	580.2	603.3	616.9	627.0
-75°	302.6	328.5	356.3	383.5	409.9	430.9	449.3	467.1	484.3	485.2	481.8
-77.5°	244.4	267.6	289.1	310.5	331.6	344.5	355.8	367.4	379.1	372.3	361.6
-80°	179.4	198.7	217.0	235.4	253.7	261.3	266.7	271.3	275.2	266.3	255.4
-82.5°	119.1	131.3	143.1	155.2	167.5	172.4	176.0	179.1	181.4	173.4	164.2
-85°	66.5	72.3	78.1	83.8	89.6	93.1	96.2	99.1	101.7	96.9	91.5
-87.5°	27.6	29.0	30.3	31.5	32.8	34.0	35.2	36.3	37.5	37.6	37.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P627550 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5B-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°	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	21.9
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°	1.1	0.2	0.0	0.0	0.0	0.2	1.1	1.9	2.5	2.8	2.7
62.5°	7.0	7.3	7.5	7.6	7.5	7.3	7.0	6.7	6.4	6.7	7.3
60°	13.4	11.8	11.4	11.4	11.4	11.8	13.4	14.6	15.1	22.1	25.9
57.5°	105.3	90.2	92.4	102.6	92.4	90.2	105.3	114.1	114.7	133.1	133.8
55°	492.2	549.4	569.7	558.5	569.7	549.4	492.2	431.6	373.9	355.9	356.1
52.5°	666.9	690.4	699.4	699.1	699.4	690.4	666.9	635.4	595.6	556.3	517.7
50°	868.1	860.2	847.9	835.8	847.9	860.2	868.1	859.1	829.2	771.0	677.9
47.5°	1448.8	1423.7	1413.1	1432.3	1413.1	1423.7	1448.8	1432.5	1321.0	1176.3	1069.6
45°	1925.3	1954.7	1976.7	1975.6	1976.7	1954.7	1925.3	1900.6	1779.6	1613.9	1443.8
42.5°	2196.6	2212.3	2216.8	2211.1	2216.8	2212.3	2196.6	2169.2	2029.4	1852.4	1657.4
40°	2438.4	2457.1	2467.6	2477.1	2467.6	2457.1	2438.4	2402.4	2287.8	2122.9	1939.6
37.5°	2794.9	2801.7	2786.8	2777.2	2786.8	2801.7	2794.9	2772.2	2703.3	2492.8	2343.9
35°	3668.8	3686.7	3645.2	3689.0	3645.2	3686.7	3668.8	3579.1	3472.8	3348.1	3008.9
32.5°	4506.9	4590.8	4658.7	4714.8	4658.7	4590.8	4506.9	4421.2	4349.3	4108.6	3665.2
30°	4981.7	5035.8	5064.9	5071.9	5064.9	5035.8	4981.7	4915.0	4819.4	4511.7	4101.6
27.5°	5330.3	5387.0	5422.3	5448.0	5422.3	5387.0	5330.3	5268.6	5157.1	4843.1	4440.6
25°	5666.3	5718.2	5753.5	5767.2	5753.5	5718.2	5666.3	5603.6	5466.7	5201.4	4805.0
22.5°	6014.9	6050.9	6084.8	6101.5	6084.8	6050.9	6014.9	5941.5	5793.2	5581.4	5161.4
20°	6514.7	6495.1	6526.0	6515.6	6526.0	6495.1	6514.7	6402.4	6246.2	6025.5	5619.9
17.5°	7533.1	7543.7	7564.4	7598.4	7564.4	7543.7	7533.1	7384.3	7193.3	6994.0	6429.8
15°	8814.0	8839.8	8970.8	9087.7	8970.8	8839.8	8814.0	8670.0	8345.0	8057.4	7413.6
12.5°	9369.6	9458.8	9472.7	9505.6	9472.7	9458.8	9369.6	9166.5	8947.7	8581.0	7996.8
10°	9555.1	9709.5	9706.1	9744.9	9706.1	9709.5	9555.1	9378.3	9199.7	8886.8	8275.2
7.5°	9695.7	9861.5	9931.7	9961.5	9931.7	9861.5	9695.7	9576.0	9399.6	9096.5	8471.1
5°	9867.5	9958.7	10079.7	10045.1	10079.7	9958.7	9867.5	9717.2	9494.2	9172.0	8601.8
2.5°	9939.5	10082.4	10049.4	10083.1	10049.4	10082.4	9939.5	9736.8	9531.7	9272.4	8773.5
0°	9988.1	10090.7	10105.9	10140.0	10105.9	10090.7	9988.1	9786.7	9577.8	9327.0	8821.7
-2.5°	9929.2	10019.5	10177.5	10128.7	10177.5	10019.5	9929.2	9744.4	9545.6	9292.6	8838.0
-5°	9877.5	10099.7	10013.4	10121.1	10013.4	10099.7	9877.5	9680.8	9483.1	9209.6	8734.1
-7.5°	9850.8	9890.6	9947.9	10029.9	9947.9	9890.6	9850.8	9627.0	9410.7	9122.3	8640.6
-10°	9644.7	9685.3	9790.5	9847.5	9790.5	9685.3	9644.7	9542.1	9290.0	8983.7	8522.7
-12.5°	9421.0	9499.7	9610.2	9646.2	9610.2	9499.7	9421.0	9307.2	9127.1	8793.0	8334.8
-15°	9163.4	9280.3	9388.0	9410.6	9388.0	9280.3	9163.4	9029.0	8830.0	8558.1	8108.1
-17.5°	8835.8	8976.0	9089.2	9114.3	9089.2	8976.0	8835.8	8685.4	8489.7	8246.9	7880.0
-20°	8474.8	8609.1	8705.3	8734.3	8705.3	8609.1	8474.8	8317.2	8132.4	7899.2	7553.4



REPORT NUMBER: P627550 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5B-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°	8088.3	8209.2	8290.6	8278.4	8290.6	8209.2	8088.3	7931.9	7761.1	7548.7	7176.9
-25°	7678.0	7790.2	7867.7	7856.7	7867.7	7790.2	7678.0	7541.4	7372.1	7146.4	6813.5
-27.5°	7244.3	7350.5	7425.0	7427.4	7425.0	7350.5	7244.3	7112.8	6942.5	6715.1	6430.9
-30°	6788.5	6885.0	6945.5	6922.1	6945.5	6885.0	6788.5	6661.0	6502.9	6281.9	5982.2
-32.5°	6318.3	6405.6	6461.1	6477.6	6461.1	6405.6	6318.3	6207.5	6074.3	5871.8	5551.6
-35°	5854.6	5931.6	5979.5	5991.3	5979.5	5931.6	5854.6	5753.4	5623.5	5463.3	5147.1
-37.5°	5393.9	5460.1	5493.6	5478.4	5493.6	5460.1	5393.9	5300.8	5183.7	5046.0	4772.8
-40°	4938.6	5001.7	5040.0	5049.1	5040.0	5001.7	4938.6	4854.0	4745.3	4611.1	4391.8
-42.5°	4491.0	4543.4	4577.0	4593.2	4577.0	4543.4	4491.0	4418.2	4303.7	4154.7	3978.5
-45°	4056.5	4103.4	4135.0	4152.5	4135.0	4103.4	4056.5	3991.4	3879.9	3735.9	3570.9
-47.5°	3633.9	3675.0	3702.2	3715.6	3702.2	3675.0	3633.9	3576.7	3477.2	3334.9	3172.0
-50°	3229.7	3265.3	3290.7	3305.3	3290.7	3265.3	3229.7	3180.2	3095.5	2957.2	2802.5
-52.5°	2846.4	2877.5	2899.1	2910.2	2899.1	2877.5	2846.4	2803.3	2735.7	2604.9	2462.5
-55°	2480.4	2505.6	2525.6	2537.9	2525.6	2505.6	2480.4	2445.0	2396.4	2275.2	2144.1
-57.5°	2139.0	2159.6	2178.6	2192.1	2178.6	2159.6	2139.0	2109.0	2069.2	1965.4	1850.7
-60°	1819.6	1839.0	1855.1	1865.4	1855.1	1839.0	1819.6	1792.9	1759.1	1680.8	1587.7
-62.5°	1531.3	1548.5	1563.3	1572.9	1563.3	1548.5	1531.3	1507.4	1476.9	1416.6	1341.4
-65°	1254.8	1270.3	1281.3	1287.9	1281.3	1270.3	1254.8	1234.0	1207.6	1164.5	1108.9
-67.5°	1021.9	1039.7	1043.2	1041.0	1043.2	1039.7	1021.9	1000.3	975.0	941.7	899.9
-70°	813.9	828.9	832.5	832.0	832.5	828.9	813.9	796.5	777.0	753.0	721.9
-72.5°	636.4	644.6	637.7	626.9	637.7	644.6	636.4	627.0	616.9	603.3	580.2
-75°	477.5	472.3	464.9	455.9	464.9	472.3	477.5	481.8	485.2	484.3	467.1
-77.5°	349.7	336.8	328.3	319.1	328.3	336.8	349.7	361.6	372.3	379.1	367.4
-80°	243.6	230.9	222.1	212.8	222.1	230.9	243.6	255.4	266.3	275.2	271.3
-82.5°	154.3	143.9	138.6	133.0	138.6	143.9	154.3	164.2	173.4	181.4	179.1
-85°	85.7	79.5	75.9	72.2	75.9	79.5	85.7	91.5	96.9	101.7	99.1
-87.5°	37.9	37.9	36.1	34.2	36.1	37.9	37.9	37.8	37.6	37.5	36.3
-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: P627550 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5B-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°	20.9	20.0	19.0	18.1	17.1	16.2	15.2	14.3	13.3	12.4	11.4
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	0.1	0.1	0.0	0.0	0.3	0.5	0.2	0.0	0.4
67.5°	0.0	0.0	0.7	1.6	2.0	1.9	1.7	1.9	2.3	2.1	1.9
65°	2.3	1.4	0.9	1.9	2.8	3.8	4.0	3.5	3.4	4.0	4.7
62.5°	7.7	8.0	6.9	5.8	5.0	5.5	6.0	6.5	5.6	4.5	5.9
60°	22.9	13.9	20.3	21.7	17.3	15.0	22.5	21.3	11.1	9.6	8.6
57.5°	110.2	92.3	101.3	92.0	63.0	55.0	57.0	54.3	49.2	30.1	12.9
55°	379.9	325.6	255.8	221.0	212.9	162.8	121.3	101.3	91.9	66.3	43.9
52.5°	482.6	448.6	395.8	323.0	284.1	269.6	230.4	184.4	146.5	117.2	84.1
50°	605.1	614.1	559.9	459.1	419.3	376.2	338.2	284.9	236.9	190.0	140.3
47.5°	987.1	919.5	865.1	789.9	647.1	556.0	496.1	408.7	342.9	286.2	224.8
45°	1316.1	1238.7	1185.5	1068.9	917.1	776.1	682.0	572.5	456.0	380.1	324.4
42.5°	1549.8	1449.6	1362.3	1267.1	1122.2	963.1	833.9	725.7	603.2	480.1	406.0
40°	1778.5	1619.7	1533.2	1447.9	1311.3	1132.8	1032.2	873.2	745.3	608.9	507.7
37.5°	2119.5	1849.6	1819.0	1736.9	1582.4	1396.7	1283.5	1126.6	889.5	760.8	644.5
35°	2695.9	2417.8	2257.2	2176.8	1976.4	1739.8	1553.5	1407.0	1171.6	918.4	784.3
32.5°	3331.1	2979.1	2735.4	2620.6	2405.6	2084.6	1854.7	1668.3	1432.2	1145.5	930.5
30°	3689.7	3368.7	3075.2	2879.0	2670.0	2394.1	2130.3	1867.1	1610.7	1373.5	1088.9
27.5°	4023.4	3623.2	3306.8	3085.3	2889.6	2624.4	2332.5	2050.4	1768.6	1534.3	1280.4
25°	4341.4	3897.9	3553.1	3293.0	3065.4	2855.5	2525.5	2217.3	1923.4	1664.4	1465.8
22.5°	4637.6	4225.9	3828.6	3488.6	3295.8	3070.4	2745.1	2371.8	2084.7	1866.8	1633.1
20°	5125.4	4664.5	4161.5	3867.3	3688.0	3339.8	2971.7	2602.5	2338.8	2089.4	1814.5
17.5°	5929.6	5354.5	4753.0	4438.0	4184.1	3757.0	3287.9	2921.7	2592.4	2314.4	2011.9
15°	6810.0	6069.7	5473.7	5066.8	4664.5	4164.2	3621.3	3225.6	2851.5	2538.8	2193.3
12.5°	7245.1	6540.4	6013.1	5439.6	4920.7	4467.3	3953.6	3517.4	3092.8	2685.2	2305.5
10°	7504.7	6804.4	6208.0	5635.6	5115.4	4679.2	4202.0	3685.3	3213.5	2782.2	2399.1
7.5°	7706.6	6985.1	6349.9	5780.0	5252.9	4792.8	4336.1	3794.4	3310.0	2860.6	2474.2
5°	7846.4	7125.9	6481.8	5905.6	5350.7	4874.4	4435.7	3877.0	3382.0	2920.1	2531.3
2.5°	7990.6	7235.3	6564.4	5986.8	5413.0	4926.0	4495.9	3940.1	3440.5	2964.2	2578.8
0°	8046.7	7298.3	6622.0	6029.3	5448.0	4946.6	4513.4	3981.6	3480.1	2990.0	2610.0
-2.5°	8082.9	7318.8	6644.5	6056.9	5494.3	4979.0	4533.1	4028.1	3492.7	3017.8	2618.8
-5°	8028.0	7294.6	6625.6	6034.1	5495.2	4981.5	4519.4	4035.0	3489.5	3025.2	2612.0
-7.5°	7960.6	7230.3	6553.7	5973.5	5455.6	4947.2	4478.5	4004.8	3477.5	3013.0	2599.1
-10°	7846.9	7127.7	6483.7	5910.4	5386.0	4874.0	4419.0	3947.5	3438.7	2978.6	2569.0
-12.5°	7694.9	6998.2	6362.1	5795.2	5292.1	4798.7	4353.0	3868.3	3372.4	2921.1	2521.2
-15°	7494.2	6828.7	6211.6	5659.0	5172.4	4700.7	4255.3	3780.6	3307.8	2850.3	2455.7
-17.5°	7274.7	6605.1	5997.4	5476.7	5015.2	4568.0	4131.0	3688.6	3233.3	2783.9	2396.6
-20°	7025.4	6367.8	5765.8	5261.1	4825.6	4402.0	3997.9	3585.7	3130.0	2707.5	2334.7



REPORT NUMBER: P627550 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5B-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°	6666.6	6085.8	5533.9	5039.0	4622.7	4234.9	3845.8	3447.2	2996.0	2611.8	2250.4
-25°	6312.1	5772.0	5275.9	4821.1	4419.0	4050.7	3672.2	3277.1	2876.7	2499.4	2147.3
-27.5°	5965.0	5464.9	4970.6	4561.7	4200.6	3840.8	3485.2	3111.4	2742.7	2373.0	2050.4
-30°	5590.4	5122.6	4676.9	4293.2	3951.3	3618.5	3298.6	2949.6	2586.9	2236.0	1945.9
-32.5°	5178.9	4768.3	4375.6	4014.3	3694.8	3399.9	3096.3	2765.5	2407.1	2108.0	1824.9
-35°	4779.6	4400.6	4061.6	3743.0	3453.0	3183.1	2889.2	2557.9	2243.2	1962.5	1688.3
-37.5°	4422.1	4053.0	3739.1	3464.6	3222.3	2966.4	2673.4	2379.5	2083.6	1800.6	1561.3
-40°	4052.3	3707.9	3429.1	3205.9	2974.1	2743.8	2485.8	2212.5	1920.6	1644.1	1436.7
-42.5°	3693.8	3415.9	3141.1	2917.7	2709.9	2521.3	2303.7	2027.8	1759.4	1519.3	1319.9
-45°	3342.9	3090.4	2839.5	2635.8	2463.0	2286.1	2091.6	1840.8	1599.7	1393.6	1205.5
-47.5°	2982.2	2769.6	2560.4	2371.0	2216.5	2044.8	1857.0	1644.5	1447.0	1261.2	1094.7
-50°	2636.0	2463.5	2294.2	2130.2	1973.8	1806.1	1638.3	1466.9	1290.6	1128.7	977.6
-52.5°	2310.0	2167.2	2024.1	1880.6	1743.8	1597.3	1442.5	1290.0	1134.9	999.6	864.6
-55°	2003.3	1880.9	1767.5	1652.3	1537.1	1404.9	1265.3	1127.9	1004.1	879.8	769.8
-57.5°	1731.8	1624.3	1534.1	1440.1	1342.6	1225.6	1106.2	990.1	887.4	784.5	682.7
-60°	1492.0	1398.3	1320.9	1238.9	1152.5	1054.7	959.9	867.8	779.1	695.2	607.5
-62.5°	1265.5	1189.9	1120.2	1050.7	980.5	906.3	825.2	751.1	682.3	611.6	532.3
-65°	1051.2	991.9	933.4	877.4	819.6	760.0	695.5	636.8	580.6	523.2	454.7
-67.5°	855.7	809.3	761.9	715.0	670.0	622.8	573.7	524.7	478.9	432.1	376.4
-70°	688.8	653.9	617.1	577.9	540.7	503.7	465.7	426.1	384.2	345.9	307.8
-72.5°	556.0	530.9	503.3	471.7	438.1	406.2	375.3	344.5	312.6	279.9	246.7
-75°	449.3	430.9	409.9	383.5	356.3	328.5	302.6	276.0	247.0	215.3	184.4
-77.5°	355.8	344.5	331.6	310.5	289.1	267.6	244.4	215.5	185.9	156.7	131.2
-80°	266.7	261.3	253.7	235.4	217.0	198.7	179.4	154.1	129.0	105.4	86.4
-82.5°	176.0	172.4	167.5	155.2	143.1	131.3	119.1	101.5	84.7	68.7	54.7
-85°	96.2	93.1	89.6	83.8	78.1	72.3	66.5	56.8	47.6	39.1	31.5
-87.5°	35.2	34.0	32.8	31.5	30.3	29.0	27.6	24.8	22.0	19.3	16.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





REPORT NUMBER: P627550 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5B-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°	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	10.5	9.5	8.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.3	2.0
85°	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.2	0.6	1.1
82.5°	0.0	0.0	0.0	0.1	0.6	1.0	1.1	1.0	0.6	0.1	0.3
80°	0.0	0.0	0.0	0.1	0.9	2.0	2.5	2.6	2.0	1.4	0.7
77.5°	0.0	0.0	0.0	0.0	0.4	1.1	2.2	3.4	3.4	2.7	1.9
75°	0.0	0.0	0.0	0.1	0.3	0.1	0.8	2.0	3.1	3.7	3.0
72.5°	0.0	0.0	0.0	0.5	1.0	1.1	0.6	0.7	2.2	3.2	3.8
70°	0.6	0.2	0.0	0.6	1.6	2.3	2.2	1.7	1.4	2.8	3.6
67.5°	1.8	1.9	1.4	1.1	1.7	2.6	3.5	3.4	2.9	2.5	3.5
65°	4.4	4.1	3.7	3.3	2.8	2.8	3.7	4.7	4.4	3.8	3.5
62.5°	6.6	6.6	6.1	5.5	4.9	4.3	4.0	5.2	5.8	5.1	4.3
60°	8.5	8.9	8.5	7.8	7.0	6.2	5.6	5.9	6.6	6.4	5.4
57.5°	11.8	11.5	11.3	10.3	9.1	8.1	7.6	7.4	7.6	7.5	6.6
55°	20.8	14.5	14.6	13.5	11.6	10.0	9.6	9.2	8.8	8.7	7.7
52.5°	52.8	29.3	18.8	17.4	15.1	12.4	11.6	11.0	10.5	9.9	8.8
50°	97.5	63.1	35.7	22.4	19.1	16.3	13.5	12.8	12.1	11.3	9.9
47.5°	156.0	108.5	70.5	35.4	24.7	20.4	16.9	14.6	13.7	12.7	10.9
45°	240.3	159.9	110.8	70.0	32.9	28.1	20.9	16.4	15.3	14.0	12.0
42.5°	334.2	234.5	155.5	105.8	62.8	38.9	25.0	19.8	16.8	15.4	13.1
40°	426.5	324.1	208.8	145.8	94.7	52.1	36.0	23.7	18.4	16.9	14.4
37.5°	528.5	418.8	292.5	188.6	127.3	79.6	49.4	27.6	20.9	18.5	15.8
35°	654.7	524.0	376.3	251.2	168.5	105.1	64.2	35.1	25.7	20.2	17.2
32.5°	780.7	628.9	466.8	324.1	211.7	128.5	83.5	50.1	31.3	21.9	18.6
30°	907.5	725.0	552.1	391.5	261.3	166.2	104.3	64.7	37.7	23.7	20.0
27.5°	1021.7	815.7	631.9	461.9	319.5	205.9	126.0	78.9	44.8	26.9	21.5
25°	1150.7	913.8	710.4	529.3	372.7	247.4	148.3	92.7	55.2	32.4	23.0
22.5°	1316.6	1014.5	783.1	590.4	425.5	287.0	177.1	111.0	66.7	38.2	24.5
20°	1481.7	1113.0	854.4	666.9	482.8	331.6	210.2	129.2	77.5	44.2	26.0
17.5°	1643.6	1239.1	958.2	745.0	544.2	373.4	241.2	147.0	87.8	50.3	27.4
15°	1788.8	1383.5	1060.2	819.0	604.2	412.0	269.9	164.4	97.3	56.5	29.4
12.5°	1910.7	1508.1	1156.2	888.1	662.1	447.3	296.1	181.0	106.2	63.3	32.0
10°	2011.4	1613.4	1245.2	952.0	716.7	479.0	319.7	197.7	116.6	70.6	34.8
7.5°	2091.8	1700.4	1326.2	1010.1	766.4	508.7	345.0	215.2	126.6	77.4	37.6
5°	2152.4	1768.3	1388.8	1051.7	805.8	535.9	368.5	231.3	135.9	83.9	40.4
2.5°	2191.7	1818.2	1435.2	1084.3	837.9	558.9	389.0	245.8	144.4	89.8	43.1
0°	2214.9	1854.0	1470.3	1109.4	862.4	577.5	406.5	258.3	152.0	95.0	45.6
-2.5°	2235.6	1877.4	1501.0	1153.1	879.2	608.0	417.7	269.6	164.0	98.8	50.2
-5°	2242.5	1887.8	1521.0	1186.7	889.4	632.7	425.5	278.9	174.5	101.8	54.5
-7.5°	2230.9	1881.6	1528.1	1205.9	894.1	650.1	430.1	286.1	183.1	104.2	58.2
-10°	2205.2	1861.2	1518.8	1200.1	900.6	655.6	432.7	291.5	189.3	105.9	61.3
-12.5°	2167.1	1830.4	1498.8	1187.3	899.5	652.1	439.9	295.6	192.6	107.1	63.5
-15°	2117.2	1790.2	1468.2	1168.5	888.7	644.3	441.7	297.1	192.2	109.4	64.9
-17.5°	2058.5	1741.4	1427.3	1144.6	867.6	632.5	437.7	295.3	190.3	112.6	66.3
-20°	1999.6	1687.1	1378.8	1116.2	835.8	617.1	427.5	289.9	186.8	114.8	67.7



REPORT NUMBER: P627550 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5B-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°	1930.7	1624.9	1336.9	1076.7	801.4	598.6	410.9	280.7	181.8	115.7	68.3
-25°	1851.4	1552.2	1286.5	1022.3	774.3	577.7	393.7	267.5	175.3	115.4	68.1
-27.5°	1761.8	1474.6	1227.1	962.8	746.2	548.5	377.4	257.9	169.8	113.7	67.1
-30°	1661.9	1401.5	1156.1	905.5	711.8	516.9	356.0	247.1	167.4	111.6	65.2
-32.5°	1554.2	1319.1	1079.8	861.9	672.6	484.2	337.2	235.0	163.2	108.9	65.3
-35°	1453.1	1229.6	1002.0	811.6	631.1	464.8	324.6	221.4	157.3	105.1	65.7
-37.5°	1344.9	1135.7	940.3	759.1	587.4	442.5	314.4	215.4	149.7	100.3	65.4
-40°	1240.8	1046.6	868.9	709.0	555.1	417.4	298.4	208.6	142.4	94.3	64.5
-42.5°	1135.5	962.8	800.7	654.6	524.6	393.1	277.8	198.3	136.5	91.0	63.0
-45°	1038.5	876.3	728.0	607.1	490.7	362.0	262.0	185.3	129.2	88.5	61.7
-47.5°	936.5	788.2	661.7	555.1	446.3	328.2	241.9	175.0	120.5	85.3	60.8
-50°	831.3	704.8	599.6	498.0	392.0	300.0	220.4	162.8	117.4	82.8	59.3
-52.5°	739.2	631.6	536.1	439.2	351.0	267.0	204.1	149.8	113.2	80.7	57.2
-55°	660.0	561.9	473.5	391.1	312.0	242.8	185.7	143.5	108.1	78.0	54.6
-57.5°	589.9	497.3	422.2	348.1	279.4	219.5	172.7	136.1	102.7	74.4	52.3
-60°	521.7	445.8	375.6	309.5	249.1	199.3	162.6	127.6	96.3	69.7	49.8
-62.5°	458.8	391.9	330.8	271.1	221.8	183.0	151.0	117.6	88.7	63.9	46.4
-65°	392.7	335.7	284.1	237.3	197.1	163.8	135.9	106.4	78.7	56.9	42.0
-67.5°	324.0	282.2	241.9	202.9	170.1	142.1	118.7	91.4	67.0	48.9	36.9
-70°	269.9	233.1	198.9	168.3	141.6	118.7	97.0	73.9	54.0	41.8	31.4
-72.5°	214.8	184.8	156.9	132.5	113.4	94.0	74.2	56.5	44.8	34.5	25.7
-75°	159.0	138.7	120.5	103.6	86.4	69.4	56.6	45.0	35.3	26.9	21.7
-77.5°	115.4	100.7	87.3	76.6	64.8	53.5	42.7	33.0	26.7	22.3	18.2
-80°	78.4	70.7	63.3	55.8	46.3	37.3	30.8	25.4	21.5	18.0	14.7
-82.5°	49.4	45.3	41.6	37.8	32.3	27.3	22.9	19.1	16.2	13.6	11.9
-85°	29.3	27.1	25.0	22.8	19.8	17.1	15.8	14.6	13.3	12.1	10.8
-87.5°	16.5	16.3	16.0	15.8	15.0	14.2	13.6	13.0	11.9	10.8	9.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.9	2.8

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Scaled Data Report



REPORT NUMBER: P627550 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5B-722-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	7.6	6.7	5.7	4.7	3.8	3.8	3.8
87.5°	2.8	3.2	3.5	3.7	3.8	3.8	3.8
85°	1.8	2.6	3.1	3.6	3.8	3.8	3.8
82.5°	0.9	2.0	2.8	3.4	3.8	3.8	3.8
80°	0.2	1.4	2.5	3.3	3.8	3.8	3.8
77.5°	1.2	1.3	2.2	3.2	3.8	3.8	3.8
75°	2.1	1.9	2.1	3.1	3.8	3.8	3.8
72.5°	3.0	2.5	2.4	3.1	3.8	3.8	3.8
70°	3.8	3.0	2.7	3.0	3.8	3.8	3.8
67.5°	3.9	3.6	3.0	3.2	3.8	3.8	3.8
65°	4.1	3.9	3.3	3.3	3.8	3.8	3.8
62.5°	4.3	4.2	3.6	3.4	3.8	3.8	3.8
60°	4.5	4.6	3.8	3.5	3.8	3.8	3.8
57.5°	5.4	4.9	4.2	3.6	3.8	3.8	3.8
55°	6.4	5.3	4.5	3.7	3.9	3.8	3.8
52.5°	7.3	5.8	4.9	3.7	4.0	3.8	3.8
50°	8.2	6.6	5.4	3.8	4.1	3.8	3.8
47.5°	9.2	7.4	5.8	3.9	4.1	3.8	3.8
45°	10.1	8.1	6.3	4.2	4.3	3.8	3.8
42.5°	10.9	8.8	6.7	4.6	4.4	3.8	3.8
40°	11.8	9.5	7.3	5.0	4.5	3.8	3.8
37.5°	12.6	10.2	7.8	5.6	4.7	3.8	3.8
35°	13.4	10.9	8.3	6.0	4.8	3.8	3.8
32.5°	14.3	11.5	8.8	6.5	5.0	3.8	3.8
30°	15.4	12.1	9.3	7.0	5.2	3.8	3.8
27.5°	16.5	12.7	9.9	7.5	5.4	3.8	3.8
25°	17.6	13.3	10.5	7.9	5.6	3.8	3.8
22.5°	18.8	13.8	11.1	8.3	5.8	3.8	3.8
20°	19.8	14.5	11.7	8.7	6.0	3.8	3.8
17.5°	20.9	15.2	12.2	9.1	6.2	3.8	3.8
15°	22.0	15.8	12.7	9.5	6.4	3.8	3.8
12.5°	23.0	16.5	13.2	9.9	6.6	3.8	3.8
10°	23.9	17.0	13.6	10.2	6.8	3.8	3.8
7.5°	24.7	17.6	14.1	10.6	7.0	3.8	3.8
5°	25.4	18.1	14.5	10.9	7.2	3.8	3.8
2.5°	26.0	18.6	14.9	11.1	7.4	3.8	3.8
0°	26.6	19.0	15.2	11.4	7.6	3.8	3.8
-2.5°	28.1	19.4	15.5	11.4	7.6	3.8	3.8
-5°	29.4	19.8	15.8	11.4	7.6	3.8	3.8
-7.5°	30.6	20.1	16.0	11.3	7.5	3.8	3.8
-10°	31.6	20.4	16.2	11.2	7.5	3.8	3.8
-12.5°	32.3	20.6	16.3	11.1	7.4	3.8	3.8
-15°	32.8	20.8	16.4	11.0	7.3	3.8	3.8
-17.5°	33.0	21.0	16.4	10.9	7.2	3.8	3.8
-20°	33.8	21.1	16.3	10.7	7.1	3.8	3.8

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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	36.0	21.2	16.1	10.5	7.0	3.8	3.8
-25°	37.8	22.6	15.8	10.3	6.9	3.8	3.8
-27.5°	39.1	24.4	15.4	10.1	6.7	3.8	3.8
-30°	40.1	25.9	15.0	9.9	6.6	3.8	3.8
-32.5°	40.6	27.2	15.6	9.6	6.4	3.8	3.8
-35°	41.7	28.2	16.0	9.3	6.2	3.8	3.8
-37.5°	42.8	28.8	16.2	9.0	6.0	3.8	3.8
-40°	43.5	29.0	16.4	8.7	5.8	3.8	3.8
-42.5°	43.7	29.0	16.5	8.5	5.6	3.8	3.8
-45°	43.5	28.8	16.6	8.6	5.4	3.8	3.8
-47.5°	42.8	28.4	16.4	8.5	5.1	3.8	3.8
-50°	41.9	27.7	16.1	8.4	4.9	3.8	3.8
-52.5°	40.8	26.8	15.7	8.3	4.6	3.8	3.8
-55°	39.3	25.7	15.0	8.0	4.4	3.8	3.8
-57.5°	37.6	24.4	14.1	7.7	4.1	3.8	3.8
-60°	35.5	22.7	13.1	7.4	3.8	3.8	3.8
-62.5°	32.6	20.8	12.4	7.0	3.8	3.8	3.8
-65°	29.4	18.6	11.6	6.5	3.8	3.8	3.8
-67.5°	25.9	16.7	10.7	6.0	3.8	3.8	3.8
-70°	22.0	15.2	9.7	5.5	3.8	3.8	3.8
-72.5°	19.5	13.5	8.7	5.4	3.8	3.8	3.8
-75°	16.9	11.8	7.6	5.3	3.8	3.8	3.8
-77.5°	14.3	10.0	7.2	5.3	3.8	3.8	3.8
-80°	11.6	9.0	6.9	5.2	3.8	3.8	3.8
-82.5°	10.5	8.4	6.6	5.1	3.8	3.8	3.8
-85°	9.5	7.9	6.3	5.0	3.8	3.8	3.8
-87.5°	8.6	7.3	6.0	4.9	3.8	3.8	3.8
-90°	3.8	3.8	3.8	3.8	3.8	3.8	3.8

(END OF REPORT)