

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: P627490 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA4E-722-U-VWR-VSR-XX**

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P627490 (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-SA4E-722-U-VWR-VSR-XX  
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N7 WITH VISOR  
Light Source: (64) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

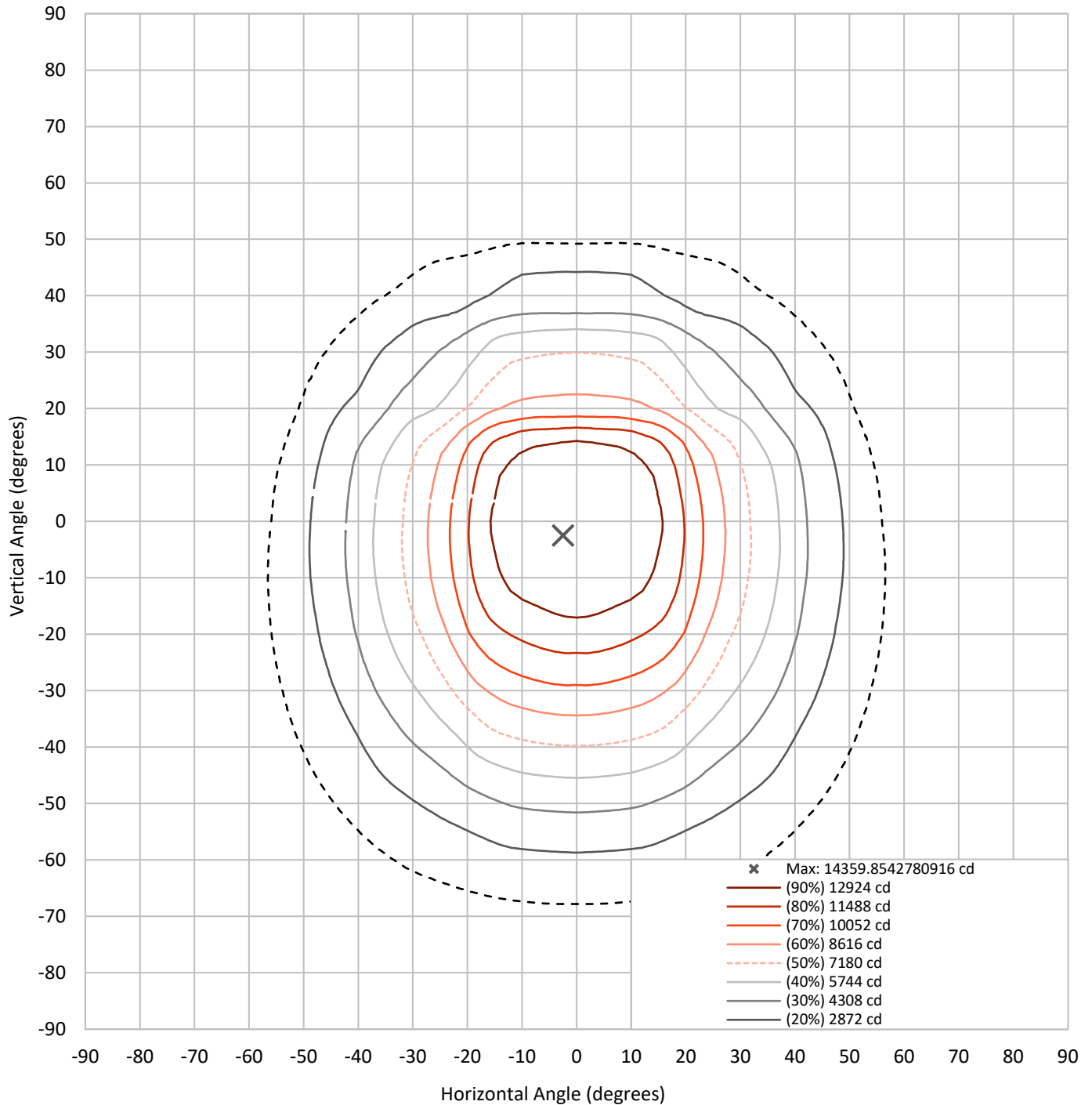
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	19163.7 lumens	Max Intensity:	14359.9 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x -2.5°V
Efficacy:	74.9 lumens/watt		
Luminous Opening:	Rectangular (W 1' 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:	11087.5 lumens	Field Lumens:	18185.1 lumens
Beam Efficiency:	57.9%	Field Efficiency:	94.9%
Input Watts (W):	255.9		
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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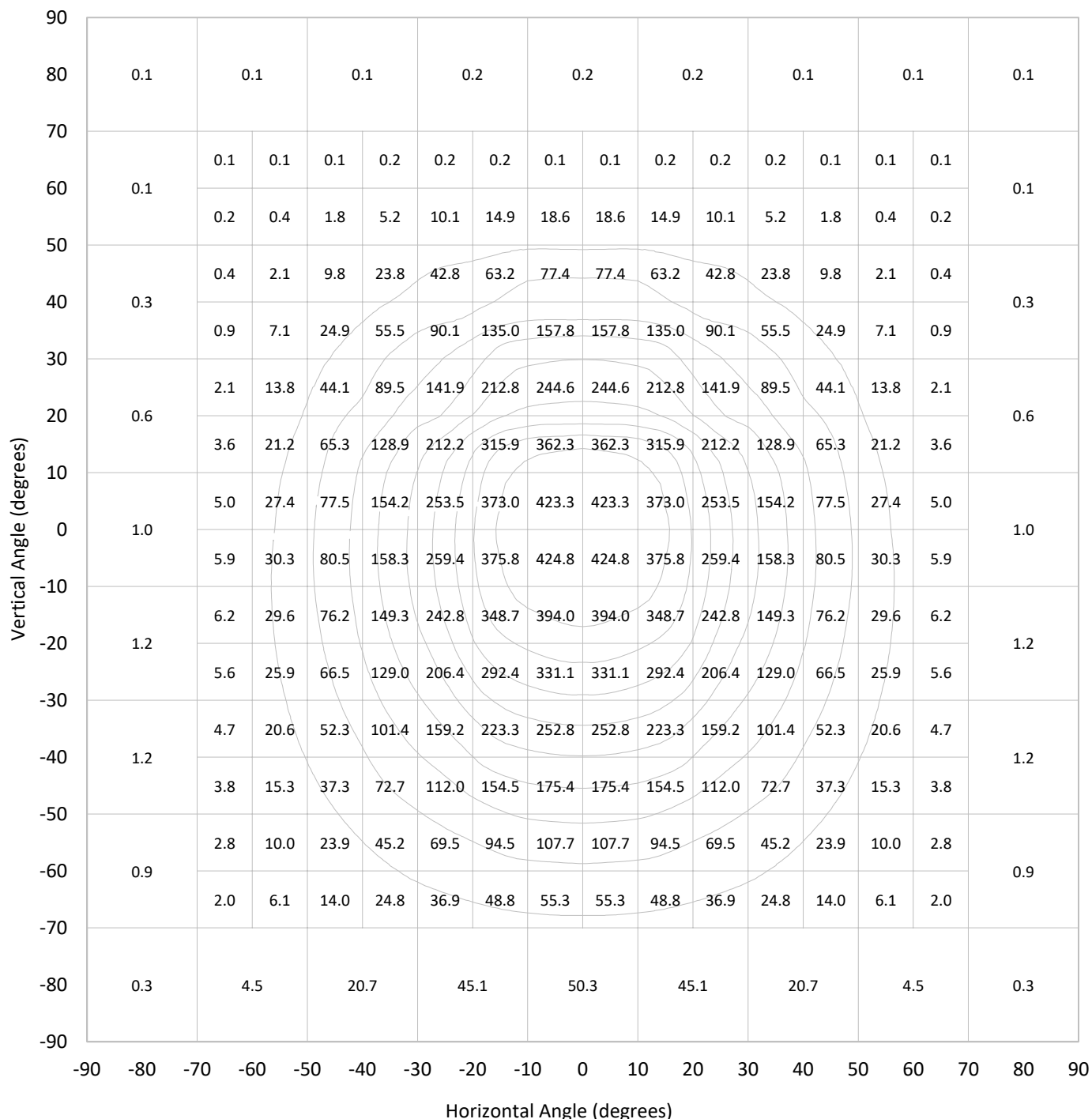
### Iso-Candela Plot





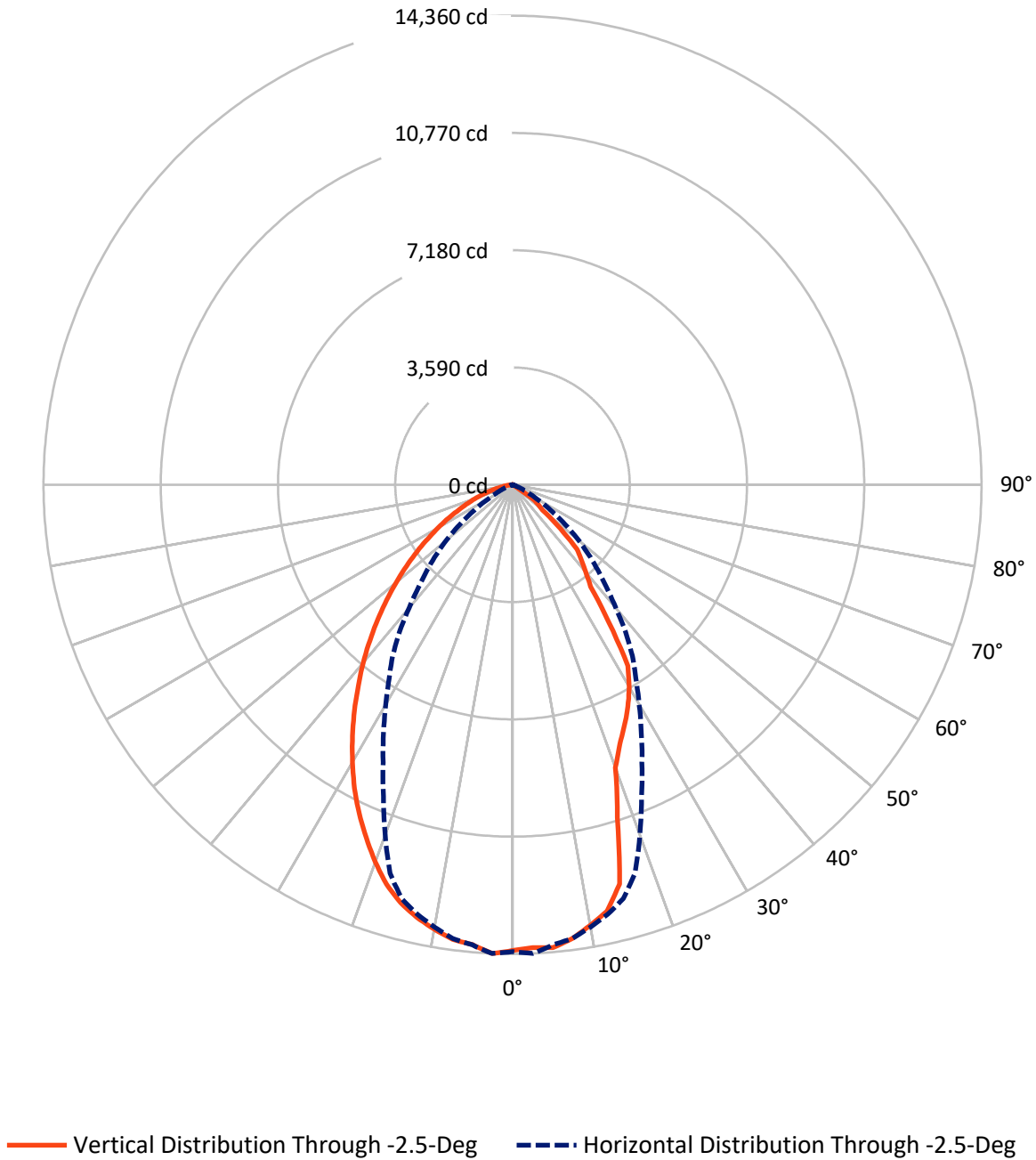
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### Lumen Table



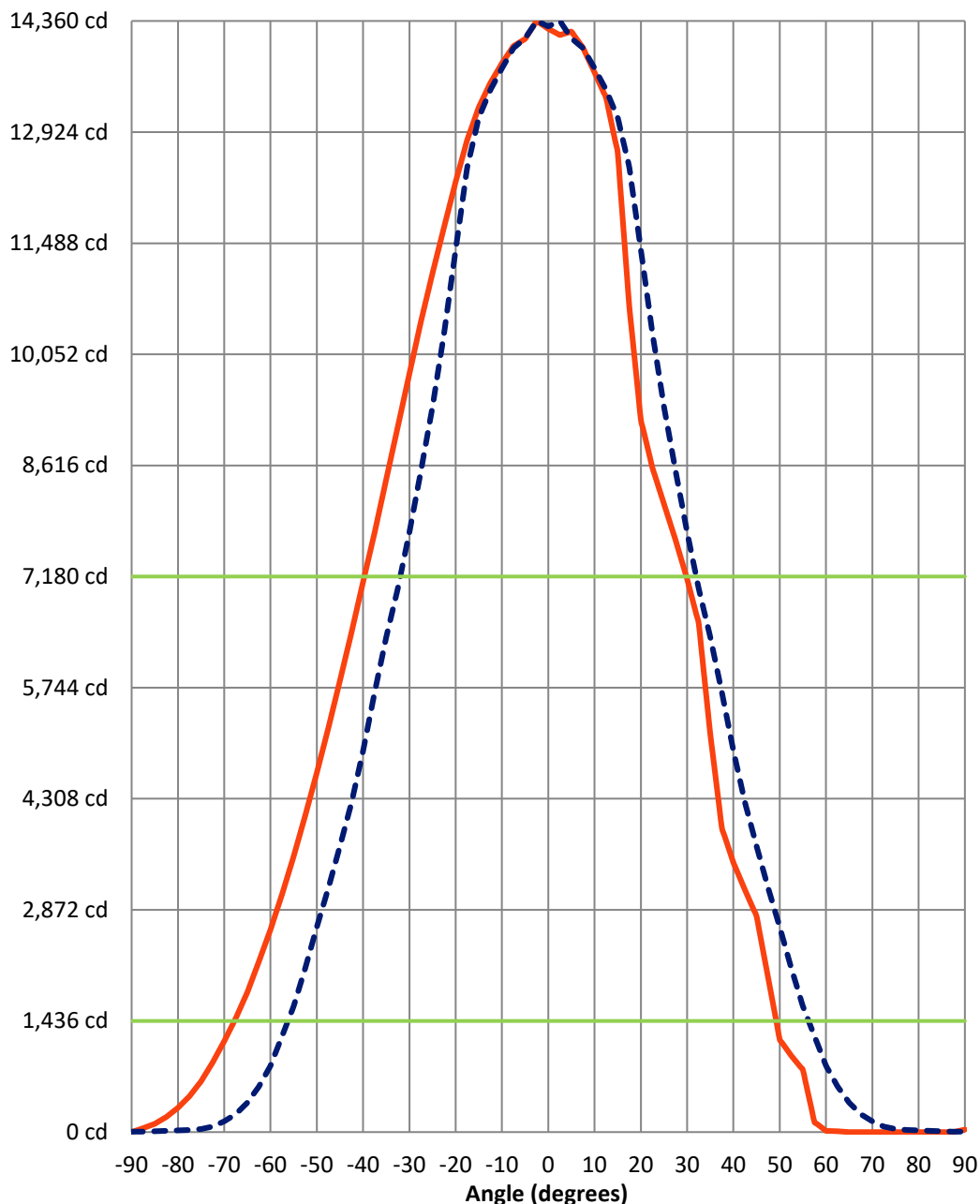
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 63.9°  
 V Angle: 69.6°  
 Lumens: 11087.5  
 Efficiency: 57.9%

**Field:**  
 H Angle: 112.5°  
 V Angle: 117.1°  
 Lumens: 18185.1  
 Efficiency: 94.9%

**Spill:**  
 Lumens: 978.6  
 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°	5.4	5.4	5.4	6.7	8.1	9.4	10.7	12.1	13.4	14.8	16.1
87.5°	5.4	5.4	5.4	5.2	4.9	4.5	4.0	2.8	1.8	0.8	0.0
85°	5.4	5.4	5.4	5.1	4.5	3.7	2.6	1.6	0.9	0.3	0.0
82.5°	5.4	5.4	5.4	4.9	4.0	2.8	1.3	0.4	0.1	0.8	1.4
80°	5.4	5.4	5.4	4.7	3.6	2.0	0.3	1.1	2.0	2.8	3.7
77.5°	5.4	5.4	5.4	4.6	3.2	1.8	1.7	2.7	3.8	4.9	4.9
75°	5.4	5.4	5.4	4.5	3.0	2.7	3.0	4.2	5.3	4.4	2.8
72.5°	5.4	5.4	5.4	4.4	3.4	3.5	4.3	5.3	4.6	3.1	0.9
70°	5.4	5.4	5.4	4.3	3.9	4.3	5.4	5.1	4.0	2.1	2.5
67.5°	5.4	5.4	5.4	4.5	4.3	5.0	5.6	5.0	3.5	4.2	4.8
65°	5.4	5.4	5.4	4.7	4.7	5.6	5.8	4.9	5.4	6.3	6.6
62.5°	5.4	5.4	5.4	4.8	5.1	6.0	6.0	6.1	7.2	8.1	7.4
60°	5.4	5.4	5.4	5.0	5.4	6.5	6.4	7.7	9.1	9.4	8.4
57.5°	5.4	5.4	5.5	5.1	5.9	7.0	7.7	9.3	10.6	10.8	10.5
55°	5.4	5.4	5.5	5.2	6.4	7.5	9.0	10.8	12.2	12.5	13.0
52.5°	5.4	5.4	5.6	5.3	7.0	8.2	10.3	12.4	14.0	14.7	15.5
50°	5.4	5.4	5.8	5.4	7.6	9.3	11.6	13.9	15.9	17.0	18.1
47.5°	5.4	5.4	5.9	5.5	8.2	10.4	12.9	15.4	17.9	19.2	20.6
45°	5.4	5.4	6.0	6.0	8.8	11.4	14.2	16.9	19.8	21.5	23.1
42.5°	5.4	5.4	6.2	6.5	9.5	12.4	15.4	18.5	21.7	23.7	28.0
40°	5.4	5.4	6.4	7.1	10.2	13.4	16.6	20.3	23.9	26.0	33.4
37.5°	5.4	5.4	6.6	7.8	11.0	14.4	17.7	22.2	26.1	29.5	39.0
35°	5.4	5.4	6.8	8.5	11.8	15.3	18.9	24.2	28.5	36.3	49.6
32.5°	5.4	5.4	7.1	9.2	12.5	16.2	20.1	26.2	30.9	44.2	70.8
30°	5.4	5.4	7.3	9.9	13.2	17.1	21.7	28.3	33.5	53.2	91.3
27.5°	5.4	5.4	7.6	10.5	14.0	17.9	23.3	30.3	37.9	63.3	111.3
25°	5.4	5.4	7.9	11.2	14.8	18.7	24.9	32.4	45.7	77.9	130.8
22.5°	5.4	5.4	8.2	11.8	15.7	19.5	26.5	34.6	53.9	94.1	156.6
20°	5.4	5.4	8.5	12.3	16.4	20.5	28.0	36.7	62.3	109.4	182.2
17.5°	5.4	5.4	8.8	12.9	17.2	21.4	29.6	38.7	71.0	123.8	207.4
15°	5.4	5.4	9.1	13.4	17.9	22.3	31.0	41.4	79.7	137.3	231.9
12.5°	5.4	5.4	9.4	14.0	18.6	23.2	32.4	45.2	89.3	149.8	255.4
10°	5.4	5.4	9.6	14.4	19.2	24.0	33.7	49.1	99.5	164.4	278.9
7.5°	5.4	5.4	9.9	14.9	19.8	24.8	34.8	53.0	109.3	178.6	303.6
5°	5.4	5.4	10.2	15.3	20.4	25.5	35.8	57.0	118.3	191.7	326.4
2.5°	5.4	5.4	10.5	15.7	20.9	26.2	36.7	60.8	126.6	203.7	346.8
0°	5.4	5.4	10.7	16.1	21.4	26.8	37.5	64.3	134.0	214.4	364.5
-2.5°	5.4	5.4	10.7	16.1	21.4	26.8	37.5	64.3	134.0	214.4	364.5
-5°	5.4	5.4	10.7	16.0	22.3	27.9	41.5	76.8	143.6	246.2	393.6
-7.5°	5.4	5.4	10.6	16.0	22.6	28.4	43.2	82.1	147.0	258.3	403.8
-10°	5.4	5.4	10.5	15.9	22.9	28.8	44.5	86.4	149.4	267.1	411.3
-12.5°	5.4	5.4	10.4	15.7	23.0	29.1	45.6	89.6	151.2	271.7	417.1
-15°	5.4	5.4	10.3	15.5	23.1	29.4	46.3	91.6	154.3	271.2	419.3
-17.5°	5.4	5.4	10.2	15.3	23.1	29.7	46.5	93.6	158.9	268.4	416.7
-20°	5.4	5.4	10.1	15.1	22.9	29.8	47.7	95.5	161.9	263.5	409.0

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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°	5.4	5.4	9.9	14.9	22.7	30.0	50.8	96.3	163.2	256.5	396.0
-25°	5.4	5.4	9.7	14.6	22.3	31.9	53.3	96.0	162.7	247.4	377.5
-27.5°	5.4	5.4	9.5	14.3	21.7	34.4	55.2	94.6	160.4	239.6	363.9
-30°	5.4	5.4	9.3	13.9	21.2	36.6	56.6	91.9	157.4	236.1	348.7
-32.5°	5.4	5.4	9.0	13.6	22.0	38.3	57.3	92.1	153.6	230.2	331.5
-35°	5.4	5.4	8.8	13.2	22.6	39.7	58.8	92.6	148.3	221.9	312.4
-37.5°	5.4	5.4	8.5	12.7	22.9	40.6	60.4	92.3	141.4	211.1	303.9
-40°	5.4	5.4	8.2	12.3	23.1	40.9	61.3	91.0	133.1	200.8	294.3
-42.5°	5.4	5.4	7.9	12.0	23.3	40.9	61.7	88.9	128.3	192.5	279.7
-45°	5.4	5.4	7.6	12.1	23.4	40.6	61.4	87.0	124.8	182.3	261.4
-47.5°	5.4	5.4	7.3	12.0	23.2	40.0	60.4	85.8	120.3	169.9	246.9
-50°	5.4	5.4	6.9	11.9	22.8	39.1	59.2	83.7	116.8	165.5	229.7
-52.5°	5.4	5.4	6.5	11.6	22.1	37.9	57.5	80.7	113.8	159.7	211.2
-55°	5.4	5.4	6.2	11.3	21.1	36.3	55.5	77.1	110.1	152.5	202.4
-57.5°	5.4	5.4	5.8	10.9	19.9	34.4	53.0	73.8	104.9	144.8	192.0
-60°	5.4	5.4	5.4	10.4	18.5	32.0	50.1	70.2	98.3	135.8	180.0
-62.5°	5.4	5.4	5.4	9.9	17.5	29.3	46.1	65.4	90.2	125.1	166.0
-65°	5.4	5.4	5.4	9.3	16.4	26.3	41.5	59.3	80.3	111.0	150.0
-67.5°	5.4	5.4	5.4	8.5	15.1	23.6	36.5	52.0	68.9	94.5	128.9
-70°	5.4	5.4	5.4	7.8	13.8	21.4	31.1	44.4	59.1	76.3	104.2
-72.5°	5.4	5.4	5.4	7.6	12.3	19.1	27.5	36.3	48.7	63.2	79.8
-75°	5.4	5.4	5.4	7.5	10.7	16.7	23.9	30.6	37.9	49.8	63.4
-77.5°	5.4	5.4	5.4	7.4	10.1	14.1	20.2	25.7	31.5	37.7	46.5
-80°	5.4	5.4	5.4	7.3	9.8	12.7	16.3	20.7	25.4	30.4	35.8
-82.5°	5.4	5.4	5.4	7.2	9.4	11.9	14.8	16.8	19.1	22.9	27.0
-85°	5.4	5.4	5.4	7.1	9.0	11.1	13.4	15.2	17.0	18.8	20.5
-87.5°	5.4	5.4	5.4	6.9	8.5	10.2	12.1	13.7	15.2	16.8	18.3
-90°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	4.0	2.7	1.3	0.0





REPORT NUMBER: P627490 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-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°	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	17.4	18.8	20.1
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°	1.6	1.4	0.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	3.6	2.9	1.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	3.1	1.6	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	1.1	0.1	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.9	1.5	1.4	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	3.1	3.3	2.2	0.9	0.0	0.3	0.8	0.6	0.0	0.3	0.7
67.5°	5.0	3.7	2.4	1.5	2.0	2.7	2.5	2.7	2.9	3.2	2.7
65°	5.3	4.0	4.0	4.7	5.3	5.8	6.3	6.7	5.6	4.9	5.0
62.5°	5.6	6.1	7.0	7.8	8.6	9.3	9.4	8.4	6.4	8.0	9.1
60°	8.0	8.8	9.9	11.0	12.0	12.6	12.1	12.2	13.5	15.7	30.1
57.5°	10.7	11.4	12.8	14.5	16.0	16.2	16.7	18.1	42.5	69.4	76.6
55°	13.5	14.1	16.4	19.0	20.6	20.4	29.4	62.0	93.5	129.6	142.9
52.5°	16.3	17.5	21.3	24.5	26.5	41.3	74.5	118.7	165.3	206.7	260.2
50°	19.1	23.0	26.9	31.6	50.4	89.0	137.5	197.9	268.1	334.2	402.0
47.5°	23.9	28.7	34.8	49.9	99.5	153.1	220.1	317.2	403.8	483.8	576.7
45°	29.5	39.6	46.4	98.8	156.3	225.5	339.0	457.7	536.3	643.4	807.8
42.5°	35.3	54.9	88.6	149.2	219.4	330.9	471.6	572.8	677.4	851.0	1023.8
40°	50.8	73.5	133.6	205.7	294.6	457.3	601.7	716.2	859.0	1051.6	1232.0
37.5°	69.6	112.3	179.6	266.0	412.7	591.0	745.7	909.3	1073.5	1255.0	1589.6
35°	90.5	148.2	237.8	354.4	530.9	739.3	923.7	1106.5	1295.7	1653.1	1985.2
32.5°	117.8	181.3	298.6	457.2	658.6	887.3	1101.5	1312.8	1616.3	2020.7	2353.9
30°	147.1	234.4	368.6	552.4	778.9	1023.0	1280.4	1536.3	1937.9	2272.6	2634.4
27.5°	177.8	290.5	450.8	651.8	891.5	1151.0	1441.5	1806.6	2164.8	2495.4	2893.0
25°	209.3	349.0	525.9	746.8	1002.3	1289.3	1623.5	2068.2	2348.3	2713.8	3128.5
22.5°	249.8	405.0	600.3	832.9	1105.0	1431.4	1857.6	2304.2	2633.9	2941.3	3346.4
20°	296.6	468.0	681.2	940.9	1205.6	1570.3	2090.5	2560.1	2948.0	3299.9	3672.0
17.5°	340.3	526.8	767.8	1051.2	1352.0	1748.2	2318.9	2838.7	3265.5	3657.7	4122.2
15°	380.8	581.3	852.5	1155.5	1495.9	1952.0	2523.8	3094.6	3582.0	4023.3	4551.2
12.5°	417.7	631.1	934.2	1253.1	1631.3	2127.8	2695.8	3253.0	3788.7	4363.7	4962.8
10°	451.1	675.9	1011.3	1343.3	1756.9	2276.4	2838.0	3385.0	3925.5	4534.0	5199.6
7.5°	486.9	717.7	1081.3	1425.2	1871.2	2399.2	2951.5	3491.0	4036.1	4670.2	5353.6
5°	519.9	756.2	1137.0	1483.9	1959.5	2495.0	3036.9	3571.4	4120.0	4771.7	5470.2
2.5°	549.0	788.5	1182.3	1529.9	2025.0	2565.5	3092.4	3638.5	4182.3	4854.2	5559.2
0°	573.6	814.8	1216.8	1565.2	2074.5	2615.9	3125.1	3682.6	4218.7	4910.2	5617.7
-2.5°	589.4	857.8	1240.5	1626.9	2117.7	2648.9	3154.3	3695.0	4257.9	4927.9	5683.4
-5°	600.5	892.7	1254.8	1674.4	2146.0	2663.5	3164.0	3685.4	4268.3	4923.4	5693.1
-7.5°	606.9	917.3	1261.5	1701.4	2156.0	2654.7	3147.7	3667.3	4251.2	4906.5	5650.5
-10°	610.6	925.0	1270.6	1693.3	2142.9	2626.0	3111.4	3624.7	4202.6	4851.7	5569.7
-12.5°	620.7	920.1	1269.1	1675.3	2114.7	2582.6	3057.7	3557.3	4121.5	4758.2	5457.9
-15°	623.2	909.0	1253.9	1648.7	2071.6	2525.9	2987.3	3464.8	4021.6	4667.1	5334.2
-17.5°	617.6	892.4	1224.2	1614.9	2013.9	2457.0	2904.4	3381.5	3928.0	4562.0	5204.4
-20°	603.2	870.7	1179.3	1574.9	1945.5	2380.5	2821.4	3294.2	3820.2	4416.2	5059.1



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 CATALOG NUMBER: GFLD-SA4E-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°
-22.5°	579.7	844.6	1130.8	1519.1	1886.3	2292.7	2724.1	3175.2	3685.2	4227.1	4863.7
-25°	555.5	815.1	1092.6	1442.5	1815.2	2190.1	2612.3	3029.7	3526.6	4058.8	4623.7
-27.5°	532.4	773.9	1052.8	1358.5	1731.4	2080.6	2485.9	2893.0	3348.2	3869.9	4390.0
-30°	502.4	729.3	1004.3	1277.7	1631.2	1977.4	2344.9	2745.6	3154.9	3650.0	4161.7
-32.5°	475.8	683.1	949.0	1216.1	1523.6	1861.2	2192.9	2574.8	2974.2	3396.2	3902.0
-35°	458.0	655.7	890.5	1145.1	1413.7	1734.9	2050.3	2382.1	2769.0	3165.0	3609.1
-37.5°	443.6	624.3	828.8	1071.0	1326.7	1602.3	1897.6	2202.9	2540.5	2939.8	3357.3
-40°	421.0	588.9	783.1	1000.4	1226.0	1476.6	1750.7	2027.1	2319.7	2709.8	3121.8
-42.5°	392.0	554.6	740.1	923.5	1129.7	1358.5	1602.1	1862.3	2143.6	2482.5	2861.1
-45°	369.7	510.8	692.3	856.6	1027.2	1236.5	1465.2	1701.0	1966.2	2257.2	2597.2
-47.5°	341.3	463.1	629.7	783.2	933.6	1112.2	1321.4	1544.6	1779.5	2041.6	2320.4
-50°	311.0	423.4	553.2	702.6	845.9	994.5	1173.0	1379.3	1592.5	1821.0	2069.7
-52.5°	288.0	376.9	495.3	619.8	756.4	891.1	1043.0	1220.0	1410.4	1601.3	1820.0
-55°	262.0	342.6	440.3	551.8	668.2	792.8	931.1	1086.2	1241.4	1416.7	1591.3
-57.5°	243.6	309.7	394.3	491.3	595.7	701.7	832.3	963.2	1107.0	1252.1	1396.9
-60°	229.3	281.2	351.4	436.8	529.9	629.0	736.1	857.1	980.8	1099.3	1224.5
-62.5°	213.0	258.1	313.0	382.6	466.8	552.9	647.3	751.0	862.9	962.7	1059.7
-65°	191.8	231.0	278.1	334.8	400.8	473.7	554.1	641.5	738.2	819.2	898.5
-67.5°	167.4	200.5	240.0	286.2	341.3	398.2	457.2	531.2	609.7	675.7	740.3
-70°	136.8	167.4	199.7	237.4	280.6	328.8	380.8	434.4	488.2	542.1	601.2
-72.5°	104.7	132.6	160.0	186.9	221.3	260.8	303.1	348.1	395.1	441.2	486.0
-75°	79.9	97.9	121.8	146.1	170.0	195.7	224.4	260.2	303.8	348.5	389.5
-77.5°	60.3	75.4	91.4	108.0	123.1	142.1	162.8	185.1	221.1	262.4	304.1
-80°	43.5	52.6	65.2	78.6	89.3	99.7	110.6	121.9	148.6	181.9	217.4
-82.5°	32.3	38.5	45.5	53.3	58.7	63.9	69.7	77.1	97.0	119.5	143.2
-85°	22.2	24.0	27.9	32.2	35.2	38.2	41.3	44.5	55.2	67.2	80.1
-87.5°	19.2	20.1	21.1	22.2	22.6	23.0	23.3	23.7	27.3	31.0	35.0
-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: P627490 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-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°	21.4	22.8	24.1	25.5	26.8	28.2	29.5	30.9	32.2	32.2	32.2
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°	0.5	0.0	0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	2.5	2.8	2.8	2.2	1.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	5.7	5.4	4.0	2.6	1.3	2.0	3.3	3.9	3.9	3.5	2.7
62.5°	8.5	7.8	7.1	8.1	9.7	11.3	10.8	10.2	9.5	9.1	9.4
60°	31.7	21.1	24.4	30.7	28.7	19.7	32.3	36.5	31.1	21.3	20.6
57.5°	80.3	77.6	88.8	129.8	142.8	130.1	155.5	188.8	187.8	161.8	160.9
55°	171.2	229.7	300.3	311.7	360.8	459.3	536.0	502.4	502.2	527.5	608.9
52.5°	325.1	380.4	400.9	455.8	558.5	633.0	680.9	730.5	784.8	840.2	896.5
50°	477.2	530.8	591.7	647.8	790.0	866.5	853.7	956.4	1087.8	1169.9	1212.1
47.5°	699.9	784.4	913.0	1114.5	1220.6	1297.3	1392.7	1509.0	1659.6	1863.9	2021.2
45°	962.2	1095.1	1294.1	1508.1	1672.8	1747.8	1856.9	2037.1	2277.2	2510.9	2681.6
42.5°	1176.6	1358.9	1583.3	1787.8	1922.1	2045.3	2186.7	2338.6	2613.6	2863.3	3060.6
40°	1456.4	1598.4	1850.1	2042.9	2163.1	2285.3	2509.3	2736.6	2995.3	3227.9	3389.6
37.5°	1811.0	1970.7	2232.6	2450.6	2566.4	2609.6	2990.5	3307.1	3517.3	3814.2	3911.4
35°	2191.9	2454.8	2788.5	3071.3	3184.8	3411.3	3803.7	4245.4	4723.9	4899.9	5049.9
32.5°	2616.9	2941.2	3394.1	3697.6	3859.5	4203.3	4699.9	5171.3	5797.0	6136.6	6238.1
30°	3005.6	3377.9	3767.2	4062.1	4339.0	4753.0	5205.9	5787.1	6365.7	6799.9	6934.8
27.5°	3291.0	3702.8	4077.0	4353.3	4665.7	5112.1	5676.8	6265.4	6833.3	7276.3	7433.7
25°	3563.3	4028.8	4325.2	4646.3	5013.2	5499.7	6125.4	6779.5	7338.8	7713.2	7906.3
22.5°	3873.1	4332.1	4650.3	4922.2	5401.9	5962.5	6543.4	7282.4	7875.0	8173.8	8383.1
20°	4192.8	4712.2	5203.5	5456.5	5871.6	6581.4	7231.7	7929.4	8501.6	8813.0	9033.4
17.5°	4638.9	5300.8	5903.4	6261.7	6706.2	7554.9	8366.3	9072.1	9868.2	10149.4	10418.8
15°	5109.4	5875.4	6581.3	7148.9	7723.1	8564.0	9608.4	10460.1	11368.5	11774.2	12232.9
12.5°	5578.3	6303.2	6942.8	7675.0	8484.1	9228.0	10222.3	11282.9	12107.3	12624.6	12933.5
10°	5928.8	6602.0	7217.5	7951.4	8759.1	9600.6	10588.6	11675.8	12538.7	12980.3	13232.3
7.5°	6118.0	6762.4	7411.6	8155.3	8959.3	9855.5	10873.6	11952.2	12834.5	13262.3	13511.1
5°	6258.5	6877.4	7549.6	8332.5	9145.5	10054.2	11070.8	12136.6	12941.2	13395.7	13710.4
2.5°	6343.5	6950.3	7637.6	8447.0	9262.0	10208.5	11274.2	12379.0	13082.9	13448.6	13738.0
0°	6368.2	6979.3	7686.9	8507.0	9343.2	10297.4	11353.4	12446.9	13159.9	13513.6	13808.5
-2.5°	6396.0	7025.1	7752.1	8545.8	9375.1	10326.5	11404.4	12469.9	13111.3	13468.3	13748.8
-5°	6376.6	7028.7	7753.5	8513.7	9348.3	10292.2	11327.0	12323.3	12994.2	13380.1	13659.0
-7.5°	6318.9	6980.3	7697.5	8428.2	9246.9	10201.5	11231.9	12191.3	12870.9	13278.0	13583.1
-10°	6234.9	6877.0	7599.3	8339.2	9148.1	10056.8	11071.4	12025.0	12675.4	13107.6	13463.3
-12.5°	6141.9	6770.6	7466.8	8176.6	8976.5	9874.0	10857.0	11759.8	12406.4	12877.8	13131.9
-15°	6004.0	6632.3	7297.9	7984.5	8764.2	9634.9	10573.9	11440.0	12075.0	12458.5	12739.4
-17.5°	5828.6	6445.2	7076.1	7727.3	8461.9	9319.4	10264.1	11118.3	11635.9	11978.4	12254.5
-20°	5640.8	6210.9	6808.6	7423.1	8135.2	8984.5	9912.4	10657.5	11145.3	11474.4	11735.1



REPORT NUMBER: P627490 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-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°	5426.2	5975.2	6522.3	7109.8	7808.0	8586.7	9406.2	10126.2	10650.7	10950.5	11191.4
-25°	5181.2	5715.4	6234.9	6802.3	7443.9	8143.9	8905.9	9613.4	10083.2	10401.7	10640.5
-27.5°	4917.4	5419.2	5926.8	6436.2	7013.1	7710.5	8416.2	9073.5	9474.5	9795.5	10035.8
-30°	4654.1	5105.5	5575.1	6057.3	6598.8	7227.6	7887.8	8440.5	8863.3	9175.2	9398.3
-32.5°	4368.7	4797.0	5213.1	5663.9	6173.6	6727.8	7307.2	7832.9	8284.8	8570.4	8758.4
-35°	4076.5	4491.1	4871.9	5281.1	5730.7	6209.0	6743.7	7262.2	7708.5	7934.5	8117.8
-37.5°	3772.0	4185.5	4546.5	4888.3	5275.7	5718.6	6239.4	6734.2	7119.7	7314.0	7479.1
-40°	3507.4	3871.3	4196.3	4523.4	4838.3	5231.6	5717.7	6196.7	6506.0	6695.3	6848.7
-42.5°	3250.4	3557.4	3823.5	4116.7	4431.9	4819.7	5211.8	5613.4	5862.1	6072.2	6233.8
-45°	2951.1	3225.6	3475.1	3718.9	4006.4	4360.4	4716.6	5038.4	5271.2	5474.3	5631.7
-47.5°	2620.1	2885.0	3127.3	3345.4	3612.6	3907.8	4207.7	4475.5	4705.4	4906.1	5046.5
-50°	2311.6	2548.3	2784.9	3005.5	3237.1	3475.9	3719.3	3954.2	4172.5	4367.5	4487.0
-52.5°	2035.2	2253.6	2460.4	2653.4	2855.9	3057.7	3259.3	3474.5	3675.3	3859.9	3955.3
-55°	1785.2	1982.1	2168.7	2331.2	2493.8	2653.8	2826.5	3025.2	3210.2	3381.1	3449.6
-57.5°	1560.7	1729.3	1894.4	2031.8	2164.5	2291.9	2443.5	2611.2	2773.1	2919.6	2975.6
-60°	1354.3	1488.0	1626.1	1748.1	1863.7	1972.9	2105.1	2240.2	2371.4	2481.9	2529.6
-62.5°	1164.4	1278.8	1383.4	1482.5	1580.5	1678.8	1785.5	1892.6	1998.7	2083.8	2126.8
-65°	981.3	1072.4	1156.4	1237.9	1317.0	1399.5	1483.1	1564.6	1643.0	1703.9	1741.2
-67.5°	809.4	878.6	945.4	1008.9	1075.0	1141.9	1207.3	1269.7	1328.6	1375.6	1411.4
-70°	657.0	710.6	762.8	815.4	870.7	922.7	971.9	1018.6	1062.4	1096.3	1123.8
-72.5°	529.6	573.1	618.2	665.5	710.2	749.1	784.5	818.6	851.2	870.4	884.7
-75°	427.0	463.6	502.8	541.1	578.4	608.0	633.9	659.1	683.3	684.6	679.7
-77.5°	345.0	377.7	408.0	438.1	467.9	486.1	502.0	518.3	534.9	525.3	510.2
-80°	253.1	280.4	306.2	332.1	358.0	368.8	376.3	382.8	388.3	375.8	360.3
-82.5°	168.0	185.2	201.9	219.0	236.3	243.2	248.3	252.6	255.9	244.6	231.6
-85°	93.8	102.0	110.1	118.2	126.4	131.3	135.7	139.8	143.5	136.7	129.1
-87.5°	39.0	40.8	42.7	44.4	46.2	47.9	49.6	51.3	52.9	53.1	53.3
-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: P627490 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-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°	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	30.9
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°	1.6	0.3	0.0	0.0	0.0	0.3	1.6	2.7	3.5	3.9	3.9
62.5°	9.8	10.2	10.6	10.7	10.6	10.2	9.8	9.4	9.1	9.5	10.2
60°	18.9	16.6	16.0	16.1	16.0	16.6	18.9	20.6	21.3	31.1	36.5
57.5°	148.6	127.2	130.4	144.7	130.4	127.2	148.6	160.9	161.8	187.8	188.8
55°	694.5	775.2	803.8	788.0	803.8	775.2	694.5	608.9	527.5	502.2	502.4
52.5°	940.9	974.0	986.8	986.3	986.8	974.0	940.9	896.5	840.2	784.8	730.5
50°	1224.9	1213.7	1196.5	1179.3	1196.5	1213.7	1224.9	1212.1	1169.9	1087.8	956.4
47.5°	2044.2	2008.8	1993.8	2020.9	1993.8	2008.8	2044.2	2021.2	1863.9	1659.6	1509.0
45°	2716.4	2758.0	2789.0	2787.4	2789.0	2758.0	2716.4	2681.6	2510.9	2277.2	2037.1
42.5°	3099.3	3121.4	3127.8	3119.8	3127.8	3121.4	3099.3	3060.6	2863.3	2613.6	2338.6
40°	3440.4	3466.8	3481.6	3495.0	3481.6	3466.8	3440.4	3389.6	3227.9	2995.3	2736.6
37.5°	3943.4	3953.0	3931.9	3918.5	3931.9	3953.0	3943.4	3911.4	3814.2	3517.3	3307.1
35°	5176.4	5201.7	5143.2	5205.0	5143.2	5201.7	5176.4	5049.9	4899.9	4723.9	4245.4
32.5°	6359.0	6477.4	6573.1	6652.3	6573.1	6477.4	6359.0	6238.1	6136.6	5797.0	5171.3
30°	7028.9	7105.2	7146.3	7156.2	7146.3	7105.2	7028.9	6934.8	6799.9	6365.7	5787.1
27.5°	7520.7	7600.8	7650.6	7686.9	7650.6	7600.8	7520.7	7433.7	7276.3	6833.3	6265.4
25°	7994.7	8067.9	8117.7	8137.1	8117.7	8067.9	7994.7	7906.3	7713.2	7338.8	6779.5
22.5°	8486.7	8537.5	8585.4	8608.9	8585.4	8537.5	8486.7	8383.1	8173.8	7875.0	7282.4
20°	9191.8	9164.1	9207.8	9193.1	9207.8	9164.1	9191.8	9033.4	8813.0	8501.6	7929.4
17.5°	10628.8	10643.7	10672.9	10720.9	10672.9	10643.7	10628.8	10418.8	10149.4	9868.2	9072.1
15°	12436.1	12472.4	12657.2	12822.1	12657.2	12472.4	12436.1	12232.9	11774.2	11368.5	10460.1
12.5°	13220.0	13345.8	13365.3	13411.8	13365.3	13345.8	13220.0	12933.5	12624.6	12107.3	11282.9
10°	13481.5	13699.5	13694.8	13749.5	13694.8	13699.5	13481.5	13232.3	12980.3	12538.7	11675.8
7.5°	13680.0	13914.1	14013.0	14055.0	14013.0	13914.1	13680.0	13511.1	13262.3	12834.5	11952.2
5°	13922.4	14051.1	14221.8	14173.0	14221.8	14051.1	13922.4	13710.4	13395.7	12941.2	12136.6
2.5°	14024.0	14225.6	14179.0	14226.6	14179.0	14225.6	14024.0	13738.0	13448.6	13082.9	12379.0
0°	14092.6	14237.3	14258.7	14307.0	14258.7	14237.3	14092.6	13808.5	13513.6	13159.9	12446.9
-2.5°	14009.4	14136.8	14359.9	14290.9	14359.9	14136.8	14009.4	13748.8	13468.3	13111.3	12469.9
-5°	13936.6	14250.0	14128.3	14280.2	14128.3	14250.0	13936.6	13659.0	13380.1	12994.2	12323.3
-7.5°	13899.0	13955.0	14035.8	14151.5	14035.8	13955.0	13899.0	13583.1	13278.0	12870.9	12191.3
-10°	13608.0	13665.3	13813.8	13894.2	13813.8	13665.3	13608.0	13463.3	13107.6	12675.4	12025.0
-12.5°	13292.4	13403.5	13559.4	13610.1	13559.4	13403.5	13292.4	13131.9	12877.8	12406.4	11759.8
-15°	12928.9	13093.9	13245.8	13277.8	13245.8	13093.9	12928.9	12739.4	12458.5	12075.0	11440.0
-17.5°	12466.7	12664.5	12824.2	12859.7	12824.2	12664.5	12466.7	12254.5	11978.4	11635.9	11118.3
-20°	11957.4	12146.8	12282.7	12323.6	12282.7	12146.8	11957.4	11735.1	11474.4	11145.3	10657.5



REPORT NUMBER: P627490 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4E-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°	11412.2	11582.7	11697.6	11680.4	11697.6	11582.7	11412.2	11191.4	10950.5	10650.7	10126.2
-25°	10833.3	10991.5	11100.9	11085.4	11100.9	10991.5	10833.3	10640.5	10401.7	10083.2	9613.4
-27.5°	10221.3	10371.2	10476.3	10479.6	10476.3	10371.2	10221.3	10035.8	9795.5	9474.5	9073.5
-30°	9578.1	9714.3	9799.7	9766.7	9799.7	9714.3	9578.1	9398.3	9175.2	8863.3	8440.5
-32.5°	8914.8	9038.0	9116.2	9139.5	9116.2	9038.0	8914.8	8758.4	8570.4	8284.8	7832.9
-35°	8260.6	8369.2	8436.7	8453.4	8436.7	8369.2	8260.6	8117.8	7934.5	7708.5	7262.2
-37.5°	7610.5	7703.9	7751.1	7729.7	7751.1	7703.9	7610.5	7479.1	7314.0	7119.7	6734.2
-40°	6968.1	7057.1	7111.2	7124.0	7111.2	7057.1	6968.1	6848.7	6695.3	6506.0	6196.7
-42.5°	6336.5	6410.5	6457.9	6480.8	6457.9	6410.5	6336.5	6233.8	6072.2	5862.1	5613.4
-45°	5723.6	5789.7	5834.3	5859.0	5834.3	5789.7	5723.6	5631.7	5474.3	5271.2	5038.4
-47.5°	5127.2	5185.2	5223.6	5242.5	5223.6	5185.2	5127.2	5046.5	4906.1	4705.4	4475.5
-50°	4556.9	4607.2	4643.0	4663.6	4643.0	4607.2	4556.9	4487.0	4367.5	4172.5	3954.2
-52.5°	4016.1	4060.0	4090.5	4106.1	4090.5	4060.0	4016.1	3955.3	3859.9	3675.3	3474.5
-55°	3499.6	3535.2	3563.5	3580.8	3563.5	3535.2	3499.6	3449.6	3381.1	3210.2	3025.2
-57.5°	3018.1	3047.1	3073.9	3093.0	3073.9	3047.1	3018.1	2975.6	2919.6	2773.1	2611.2
-60°	2567.3	2594.7	2617.5	2632.0	2617.5	2594.7	2567.3	2529.6	2481.9	2371.4	2240.2
-62.5°	2160.5	2184.7	2205.6	2219.2	2205.6	2184.7	2160.5	2126.8	2083.8	1998.7	1892.6
-65°	1770.6	1792.3	1807.9	1817.2	1807.9	1792.3	1770.6	1741.2	1703.9	1643.0	1564.6
-67.5°	1441.8	1466.9	1471.9	1468.8	1471.9	1466.9	1441.8	1411.4	1375.6	1328.6	1269.7
-70°	1148.4	1169.6	1174.6	1173.9	1174.6	1169.6	1148.4	1123.8	1096.3	1062.4	1018.6
-72.5°	897.9	909.5	899.6	884.5	899.6	909.5	897.9	884.7	870.4	851.2	818.6
-75°	673.8	666.5	656.0	643.3	656.0	666.5	673.8	679.7	684.6	683.3	659.1
-77.5°	493.5	475.2	463.3	450.3	463.3	475.2	493.5	510.2	525.3	534.9	518.3
-80°	343.6	325.7	313.4	300.2	313.4	325.7	343.6	360.3	375.8	388.3	382.8
-82.5°	217.7	202.9	195.5	187.6	195.5	202.9	217.7	231.6	244.6	255.9	252.6
-85°	120.9	112.2	107.1	101.8	107.1	112.2	120.9	129.1	136.7	143.5	139.8
-87.5°	53.4	53.5	50.9	48.2	50.9	53.5	53.4	53.3	53.1	52.9	51.3
-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: P627490 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-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°	29.5	28.2	26.8	25.5	24.1	22.8	21.4	20.1	18.8	17.4	16.1
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	0.1	0.0	0.0	0.5	0.7	0.3	0.0	0.6
67.5°	0.0	0.0	1.0	2.2	2.8	2.8	2.5	2.7	3.2	2.9	2.7
65°	3.3	2.0	1.3	2.6	4.0	5.4	5.7	5.0	4.9	5.6	6.7
62.5°	10.8	11.3	9.7	8.1	7.1	7.8	8.5	9.1	8.0	6.4	8.4
60°	32.3	19.7	28.7	30.7	24.4	21.1	31.7	30.1	15.7	13.5	12.2
57.5°	155.5	130.1	142.8	129.8	88.8	77.6	80.3	76.6	69.4	42.5	18.1
55°	536.0	459.3	360.8	311.7	300.3	229.7	171.2	142.9	129.6	93.5	62.0
52.5°	680.9	633.0	558.5	455.8	400.9	380.4	325.1	260.2	206.7	165.3	118.7
50°	853.7	866.5	790.0	647.8	591.7	530.8	477.2	402.0	334.2	268.1	197.9
47.5°	1392.7	1297.3	1220.6	1114.5	913.0	784.4	699.9	576.7	483.8	403.8	317.2
45°	1856.9	1747.8	1672.8	1508.1	1294.1	1095.1	962.2	807.8	643.4	536.3	457.7
42.5°	2186.7	2045.3	1922.1	1787.8	1583.3	1358.9	1176.6	1023.8	851.0	677.4	572.8
40°	2509.3	2285.3	2163.1	2042.9	1850.1	1598.4	1456.4	1232.0	1051.6	859.0	716.2
37.5°	2990.5	2609.6	2566.4	2450.6	2232.6	1970.7	1811.0	1589.6	1255.0	1073.5	909.3
35°	3803.7	3411.3	3184.8	3071.3	2788.5	2454.8	2191.9	1985.2	1653.1	1295.7	1106.5
32.5°	4699.9	4203.3	3859.5	3697.6	3394.1	2941.2	2616.9	2353.9	2020.7	1616.3	1312.8
30°	5205.9	4753.0	4339.0	4062.1	3767.2	3377.9	3005.6	2634.4	2272.6	1937.9	1536.3
27.5°	5676.8	5112.1	4665.7	4353.3	4077.0	3702.8	3291.0	2893.0	2495.4	2164.8	1806.6
25°	6125.4	5499.7	5013.2	4646.3	4325.2	4028.8	3563.3	3128.5	2713.8	2348.3	2068.2
22.5°	6543.4	5962.5	5401.9	4922.2	4650.3	4332.1	3873.1	3346.4	2941.3	2633.9	2304.2
20°	7231.7	6581.4	5871.6	5456.5	5203.5	4712.2	4192.8	3672.0	3299.9	2948.0	2560.1
17.5°	8366.3	7554.9	6706.2	6261.7	5903.4	5300.8	4638.9	4122.2	3657.7	3265.5	2838.7
15°	9608.4	8564.0	7723.1	7148.9	6581.3	5875.4	5109.4	4551.2	4023.3	3582.0	3094.6
12.5°	10222.3	9228.0	8484.1	7675.0	6942.8	6303.2	5578.3	4962.8	4363.7	3788.7	3253.0
10°	10588.6	9600.6	8759.1	7951.4	7217.5	6602.0	5928.8	5199.6	4534.0	3925.5	3385.0
7.5°	10873.6	9855.5	8959.3	8155.3	7411.6	6762.4	6118.0	5353.6	4670.2	4036.1	3491.0
5°	11070.8	10054.2	9145.5	8332.5	7549.6	6877.4	6258.5	5470.2	4771.7	4120.0	3571.4
2.5°	11274.2	10208.5	9262.0	8447.0	7637.6	6950.3	6343.5	5559.2	4854.2	4182.3	3638.5
0°	11353.4	10297.4	9343.2	8507.0	7686.9	6979.3	6368.2	5617.7	4910.2	4218.7	3682.6
-2.5°	11404.4	10326.5	9375.1	8545.8	7752.1	7025.1	6396.0	5683.4	4927.9	4257.9	3695.0
-5°	11327.0	10292.2	9348.3	8513.7	7753.5	7028.7	6376.6	5693.1	4923.4	4268.3	3685.4
-7.5°	11231.9	10201.5	9246.9	8428.2	7697.5	6980.3	6318.9	5650.5	4906.5	4251.2	3667.3
-10°	11071.4	10056.8	9148.1	8339.2	7599.3	6877.0	6234.9	5569.7	4851.7	4202.6	3624.7
-12.5°	10857.0	9874.0	8976.5	8176.6	7466.8	6770.6	6141.9	5457.9	4758.2	4121.5	3557.3
-15°	10573.9	9634.9	8764.2	7984.5	7297.9	6632.3	6004.0	5334.2	4667.1	4021.6	3464.8
-17.5°	10264.1	9319.4	8461.9	7727.3	7076.1	6445.2	5828.6	5204.4	4562.0	3928.0	3381.5
-20°	9912.4	8984.5	8135.2	7423.1	6808.6	6210.9	5640.8	5059.1	4416.2	3820.2	3294.2



REPORT NUMBER: P627490 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-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°	9406.2	8586.7	7808.0	7109.8	6522.3	5975.2	5426.2	4863.7	4227.1	3685.2	3175.2
-25°	8905.9	8143.9	7443.9	6802.3	6234.9	5715.4	5181.2	4623.7	4058.8	3526.6	3029.7
-27.5°	8416.2	7710.5	7013.1	6436.2	5926.8	5419.2	4917.4	4390.0	3869.9	3348.2	2893.0
-30°	7887.8	7227.6	6598.8	6057.3	5575.1	5105.5	4654.1	4161.7	3650.0	3154.9	2745.6
-32.5°	7307.2	6727.8	6173.6	5663.9	5213.1	4797.0	4368.7	3902.0	3396.2	2974.2	2574.8
-35°	6743.7	6209.0	5730.7	5281.1	4871.9	4491.1	4076.5	3609.1	3165.0	2769.0	2382.1
-37.5°	6239.4	5718.6	5275.7	4888.3	4546.5	4185.5	3772.0	3357.3	2939.8	2540.5	2202.9
-40°	5717.7	5231.6	4838.3	4523.4	4196.3	3871.3	3507.4	3121.8	2709.8	2319.7	2027.1
-42.5°	5211.8	4819.7	4431.9	4116.7	3823.5	3557.4	3250.4	2861.1	2482.5	2143.6	1862.3
-45°	4716.6	4360.4	4006.4	3718.9	3475.1	3225.6	2951.1	2597.2	2257.2	1966.2	1701.0
-47.5°	4207.7	3907.8	3612.6	3345.4	3127.3	2885.0	2620.1	2320.4	2041.6	1779.5	1544.6
-50°	3719.3	3475.9	3237.1	3005.5	2784.9	2548.3	2311.6	2069.7	1821.0	1592.5	1379.3
-52.5°	3259.3	3057.7	2855.9	2653.4	2460.4	2253.6	2035.2	1820.0	1601.3	1410.4	1220.0
-55°	2826.5	2653.8	2493.8	2331.2	2168.7	1982.1	1785.2	1591.3	1416.7	1241.4	1086.2
-57.5°	2443.5	2291.9	2164.5	2031.8	1894.4	1729.3	1560.7	1396.9	1252.1	1107.0	963.2
-60°	2105.1	1972.9	1863.7	1748.1	1626.1	1488.0	1354.3	1224.5	1099.3	980.8	857.1
-62.5°	1785.5	1678.8	1580.5	1482.5	1383.4	1278.8	1164.4	1059.7	962.7	862.9	751.0
-65°	1483.1	1399.5	1317.0	1237.9	1156.4	1072.4	981.3	898.5	819.2	738.2	641.5
-67.5°	1207.3	1141.9	1075.0	1008.9	945.4	878.6	809.4	740.3	675.7	609.7	531.2
-70°	971.9	922.7	870.7	815.4	762.8	710.6	657.0	601.2	542.1	488.2	434.4
-72.5°	784.5	749.1	710.2	665.5	618.2	573.1	529.6	486.0	441.2	395.1	348.1
-75°	633.9	608.0	578.4	541.1	502.8	463.6	427.0	389.5	348.5	303.8	260.2
-77.5°	502.0	486.1	467.9	438.1	408.0	377.7	345.0	304.1	262.4	221.1	185.1
-80°	376.3	368.8	358.0	332.1	306.2	280.4	253.1	217.4	181.9	148.6	121.9
-82.5°	248.3	243.2	236.3	219.0	201.9	185.2	168.0	143.2	119.5	97.0	77.1
-85°	135.7	131.3	126.4	118.2	110.1	102.0	93.8	80.1	67.2	55.2	44.5
-87.5°	49.6	47.9	46.2	44.4	42.7	40.8	39.0	35.0	31.0	27.3	23.7
-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: P627490 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4E-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°	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	14.8	13.4	12.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.8	2.8
85°	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.3	0.9	1.6
82.5°	0.0	0.0	0.0	0.1	0.9	1.4	1.6	1.4	0.8	0.1	0.4
80°	0.0	0.0	0.0	0.2	1.3	2.9	3.6	3.7	2.8	2.0	1.1
77.5°	0.0	0.0	0.0	0.1	0.6	1.6	3.1	4.9	4.9	3.8	2.7
75°	0.0	0.0	0.0	0.2	0.4	0.1	1.1	2.8	4.4	5.3	4.2
72.5°	0.0	0.0	0.0	0.7	1.4	1.5	0.9	0.9	3.1	4.6	5.3
70°	0.8	0.3	0.0	0.9	2.2	3.3	3.1	2.5	2.1	4.0	5.1
67.5°	2.5	2.7	2.0	1.5	2.4	3.7	5.0	4.8	4.2	3.5	5.0
65°	6.3	5.8	5.3	4.7	4.0	4.0	5.3	6.6	6.3	5.4	4.9
62.5°	9.4	9.3	8.6	7.8	7.0	6.1	5.6	7.4	8.1	7.2	6.1
60°	12.1	12.6	12.0	11.0	9.9	8.8	8.0	8.4	9.4	9.1	7.7
57.5°	16.7	16.2	16.0	14.5	12.8	11.4	10.7	10.5	10.8	10.6	9.3
55°	29.4	20.4	20.6	19.0	16.4	14.1	13.5	13.0	12.5	12.2	10.8
52.5°	74.5	41.3	26.5	24.5	21.3	17.5	16.3	15.5	14.7	14.0	12.4
50°	137.5	89.0	50.4	31.6	26.9	23.0	19.1	18.1	17.0	15.9	13.9
47.5°	220.1	153.1	99.5	49.9	34.8	28.7	23.9	20.6	19.2	17.9	15.4
45°	339.0	225.5	156.3	98.8	46.4	39.6	29.5	23.1	21.5	19.8	16.9
42.5°	471.6	330.9	219.4	149.2	88.6	54.9	35.3	28.0	23.7	21.7	18.5
40°	601.7	457.3	294.6	205.7	133.6	73.5	50.8	33.4	26.0	23.9	20.3
37.5°	745.7	591.0	412.7	266.0	179.6	112.3	69.6	39.0	29.5	26.1	22.2
35°	923.7	739.3	530.9	354.4	237.8	148.2	90.5	49.6	36.3	28.5	24.2
32.5°	1101.5	887.3	658.6	457.2	298.6	181.3	117.8	70.8	44.2	30.9	26.2
30°	1280.4	1023.0	778.9	552.4	368.6	234.4	147.1	91.3	53.2	33.5	28.3
27.5°	1441.5	1151.0	891.5	651.8	450.8	290.5	177.8	111.3	63.3	37.9	30.3
25°	1623.5	1289.3	1002.3	746.8	525.9	349.0	209.3	130.8	77.9	45.7	32.4
22.5°	1857.6	1431.4	1105.0	832.9	600.3	405.0	249.8	156.6	94.1	53.9	34.6
20°	2090.5	1570.3	1205.6	940.9	681.2	468.0	296.6	182.2	109.4	62.3	36.7
17.5°	2318.9	1748.2	1352.0	1051.2	767.8	526.8	340.3	207.4	123.8	71.0	38.7
15°	2523.8	1952.0	1495.9	1155.5	852.5	581.3	380.8	231.9	137.3	79.7	41.4
12.5°	2695.8	2127.8	1631.3	1253.1	934.2	631.1	417.7	255.4	149.8	89.3	45.2
10°	2838.0	2276.4	1756.9	1343.3	1011.3	675.9	451.1	278.9	164.4	99.5	49.1
7.5°	2951.5	2399.2	1871.2	1425.2	1081.3	717.7	486.9	303.6	178.6	109.3	53.0
5°	3036.9	2495.0	1959.5	1483.9	1137.0	756.2	519.9	326.4	191.7	118.3	57.0
2.5°	3092.4	2565.5	2025.0	1529.9	1182.3	788.5	549.0	346.8	203.7	126.6	60.8
0°	3125.1	2615.9	2074.5	1565.2	1216.8	814.8	573.6	364.5	214.4	134.0	64.3
-2.5°	3154.3	2648.9	2117.7	1626.9	1240.5	857.8	589.4	380.5	231.3	139.3	70.8
-5°	3164.0	2663.5	2146.0	1674.4	1254.8	892.7	600.5	393.6	246.2	143.6	76.8
-7.5°	3147.7	2654.7	2156.0	1701.4	1261.5	917.3	606.9	403.8	258.3	147.0	82.1
-10°	3111.4	2626.0	2142.9	1693.3	1270.6	925.0	610.6	411.3	267.1	149.4	86.4
-12.5°	3057.7	2582.6	2114.7	1675.3	1269.1	920.1	620.7	417.1	271.7	151.2	89.6
-15°	2987.3	2525.9	2071.6	1648.7	1253.9	909.0	623.2	419.3	271.2	154.3	91.6
-17.5°	2904.4	2457.0	2013.9	1614.9	1224.2	892.4	617.6	416.7	268.4	158.9	93.6
-20°	2821.4	2380.5	1945.5	1574.9	1179.3	870.7	603.2	409.0	263.5	161.9	95.5

Classified

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Peachtree City, GA 30269

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REPORT NUMBER: P627490 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-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°	2724.1	2292.7	1886.3	1519.1	1130.8	844.6	579.7	396.0	256.5	163.2	96.3
-25°	2612.3	2190.1	1815.2	1442.5	1092.6	815.1	555.5	377.5	247.4	162.7	96.0
-27.5°	2485.9	2080.6	1731.4	1358.5	1052.8	773.9	532.4	363.9	239.6	160.4	94.6
-30°	2344.9	1977.4	1631.2	1277.7	1004.3	729.3	502.4	348.7	236.1	157.4	91.9
-32.5°	2192.9	1861.2	1523.6	1216.1	949.0	683.1	475.8	331.5	230.2	153.6	92.1
-35°	2050.3	1734.9	1413.7	1145.1	890.5	655.7	458.0	312.4	221.9	148.3	92.6
-37.5°	1897.6	1602.3	1326.7	1071.0	828.8	624.3	443.6	303.9	211.1	141.4	92.3
-40°	1750.7	1476.6	1226.0	1000.4	783.1	588.9	421.0	294.3	200.8	133.1	91.0
-42.5°	1602.1	1358.5	1129.7	923.5	740.1	554.6	392.0	279.7	192.5	128.3	88.9
-45°	1465.2	1236.5	1027.2	856.6	692.3	510.8	369.7	261.4	182.3	124.8	87.0
-47.5°	1321.4	1112.2	933.6	783.2	629.7	463.1	341.3	246.9	169.9	120.3	85.8
-50°	1173.0	994.5	845.9	702.6	553.2	423.4	311.0	229.7	165.5	116.8	83.7
-52.5°	1043.0	891.1	756.4	619.8	495.3	376.9	288.0	211.2	159.7	113.8	80.7
-55°	931.1	792.8	668.2	551.8	440.3	342.6	262.0	202.4	152.5	110.1	77.1
-57.5°	832.3	701.7	595.7	491.3	394.3	309.7	243.6	192.0	144.8	104.9	73.8
-60°	736.1	629.0	529.9	436.8	351.4	281.2	229.3	180.0	135.8	98.3	70.2
-62.5°	647.3	552.9	466.8	382.6	313.0	258.1	213.0	166.0	125.1	90.2	65.4
-65°	554.1	473.7	400.8	334.8	278.1	231.0	191.8	150.0	111.0	80.3	59.3
-67.5°	457.2	398.2	341.3	286.2	240.0	200.5	167.4	128.9	94.5	68.9	52.0
-70°	380.8	328.8	280.6	237.4	199.7	167.4	136.8	104.2	76.3	59.1	44.4
-72.5°	303.1	260.8	221.3	186.9	160.0	132.6	104.7	79.8	63.2	48.7	36.3
-75°	224.4	195.7	170.0	146.1	121.8	97.9	79.9	63.4	49.8	37.9	30.6
-77.5°	162.8	142.1	123.1	108.0	91.4	75.4	60.3	46.5	37.7	31.5	25.7
-80°	110.6	99.7	89.3	78.6	65.2	52.6	43.5	35.8	30.4	25.4	20.7
-82.5°	69.7	63.9	58.7	53.3	45.5	38.5	32.3	27.0	22.9	19.1	16.8
-85°	41.3	38.2	35.2	32.2	27.9	24.0	22.2	20.5	18.8	17.0	15.2
-87.5°	23.3	23.0	22.6	22.2	21.1	20.1	19.2	18.3	16.8	15.2	13.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.7	4.0



REPORT NUMBER: P627490 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-722-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	10.7	9.4	8.1	6.7	5.4	5.4	5.4
87.5°	4.0	4.5	4.9	5.2	5.4	5.4	5.4
85°	2.6	3.7	4.5	5.1	5.4	5.4	5.4
82.5°	1.3	2.8	4.0	4.9	5.4	5.4	5.4
80°	0.3	2.0	3.6	4.7	5.4	5.4	5.4
77.5°	1.7	1.8	3.2	4.6	5.4	5.4	5.4
75°	3.0	2.7	3.0	4.5	5.4	5.4	5.4
72.5°	4.3	3.5	3.4	4.4	5.4	5.4	5.4
70°	5.4	4.3	3.9	4.3	5.4	5.4	5.4
67.5°	5.6	5.0	4.3	4.5	5.4	5.4	5.4
65°	5.8	5.6	4.7	4.7	5.4	5.4	5.4
62.5°	6.0	6.0	5.1	4.8	5.4	5.4	5.4
60°	6.4	6.5	5.4	5.0	5.4	5.4	5.4
57.5°	7.7	7.0	5.9	5.1	5.5	5.4	5.4
55°	9.0	7.5	6.4	5.2	5.5	5.4	5.4
52.5°	10.3	8.2	7.0	5.3	5.6	5.4	5.4
50°	11.6	9.3	7.6	5.4	5.8	5.4	5.4
47.5°	12.9	10.4	8.2	5.5	5.9	5.4	5.4
45°	14.2	11.4	8.8	6.0	6.0	5.4	5.4
42.5°	15.4	12.4	9.5	6.5	6.2	5.4	5.4
40°	16.6	13.4	10.2	7.1	6.4	5.4	5.4
37.5°	17.7	14.4	11.0	7.8	6.6	5.4	5.4
35°	18.9	15.3	11.8	8.5	6.8	5.4	5.4
32.5°	20.1	16.2	12.5	9.2	7.1	5.4	5.4
30°	21.7	17.1	13.2	9.9	7.3	5.4	5.4
27.5°	23.3	17.9	14.0	10.5	7.6	5.4	5.4
25°	24.9	18.7	14.8	11.2	7.9	5.4	5.4
22.5°	26.5	19.5	15.7	11.8	8.2	5.4	5.4
20°	28.0	20.5	16.4	12.3	8.5	5.4	5.4
17.5°	29.6	21.4	17.2	12.9	8.8	5.4	5.4
15°	31.0	22.3	17.9	13.4	9.1	5.4	5.4
12.5°	32.4	23.2	18.6	14.0	9.4	5.4	5.4
10°	33.7	24.0	19.2	14.4	9.6	5.4	5.4
7.5°	34.8	24.8	19.8	14.9	9.9	5.4	5.4
5°	35.8	25.5	20.4	15.3	10.2	5.4	5.4
2.5°	36.7	26.2	20.9	15.7	10.5	5.4	5.4
0°	37.5	26.8	21.4	16.1	10.7	5.4	5.4
-2.5°	39.6	27.4	21.9	16.1	10.7	5.4	5.4
-5°	41.5	27.9	22.3	16.0	10.7	5.4	5.4
-7.5°	43.2	28.4	22.6	16.0	10.6	5.4	5.4
-10°	44.5	28.8	22.9	15.9	10.5	5.4	5.4
-12.5°	45.6	29.1	23.0	15.7	10.4	5.4	5.4
-15°	46.3	29.4	23.1	15.5	10.3	5.4	5.4
-17.5°	46.5	29.7	23.1	15.3	10.2	5.4	5.4
-20°	47.7	29.8	22.9	15.1	10.1	5.4	5.4

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CATALOG NUMBER: GFLD-SA4E-722-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	50.8	30.0	22.7	14.9	9.9	5.4	5.4
-25°	53.3	31.9	22.3	14.6	9.7	5.4	5.4
-27.5°	55.2	34.4	21.7	14.3	9.5	5.4	5.4
-30°	56.6	36.6	21.2	13.9	9.3	5.4	5.4
-32.5°	57.3	38.3	22.0	13.6	9.0	5.4	5.4
-35°	58.8	39.7	22.6	13.2	8.8	5.4	5.4
-37.5°	60.4	40.6	22.9	12.7	8.5	5.4	5.4
-40°	61.3	40.9	23.1	12.3	8.2	5.4	5.4
-42.5°	61.7	40.9	23.3	12.0	7.9	5.4	5.4
-45°	61.4	40.6	23.4	12.1	7.6	5.4	5.4
-47.5°	60.4	40.0	23.2	12.0	7.3	5.4	5.4
-50°	59.2	39.1	22.8	11.9	6.9	5.4	5.4
-52.5°	57.5	37.9	22.1	11.6	6.5	5.4	5.4
-55°	55.5	36.3	21.1	11.3	6.2	5.4	5.4
-57.5°	53.0	34.4	19.9	10.9	5.8	5.4	5.4
-60°	50.1	32.0	18.5	10.4	5.4	5.4	5.4
-62.5°	46.1	29.3	17.5	9.9	5.4	5.4	5.4
-65°	41.5	26.3	16.4	9.3	5.4	5.4	5.4
-67.5°	36.5	23.6	15.1	8.5	5.4	5.4	5.4
-70°	31.1	21.4	13.8	7.8	5.4	5.4	5.4
-72.5°	27.5	19.1	12.3	7.6	5.4	5.4	5.4
-75°	23.9	16.7	10.7	7.5	5.4	5.4	5.4
-77.5°	20.2	14.1	10.1	7.4	5.4	5.4	5.4
-80°	16.3	12.7	9.8	7.3	5.4	5.4	5.4
-82.5°	14.8	11.9	9.4	7.2	5.4	5.4	5.4
-85°	13.4	11.1	9.0	7.1	5.4	5.4	5.4
-87.5°	12.1	10.2	8.5	6.9	5.4	5.4	5.4
-90°	5.4	5.4	5.4	5.4	5.4	5.4	5.4

(END OF REPORT)