

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: P559131 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5E-940-U-WR-XX**

Issue Date: 7/20/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P559131 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2101-125-6)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 7/20/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GFLD-SA5E-940-U-WR-XX  
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, WIDE SYMMETRICAL ROUND N6  
Light Source: (80) 4000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

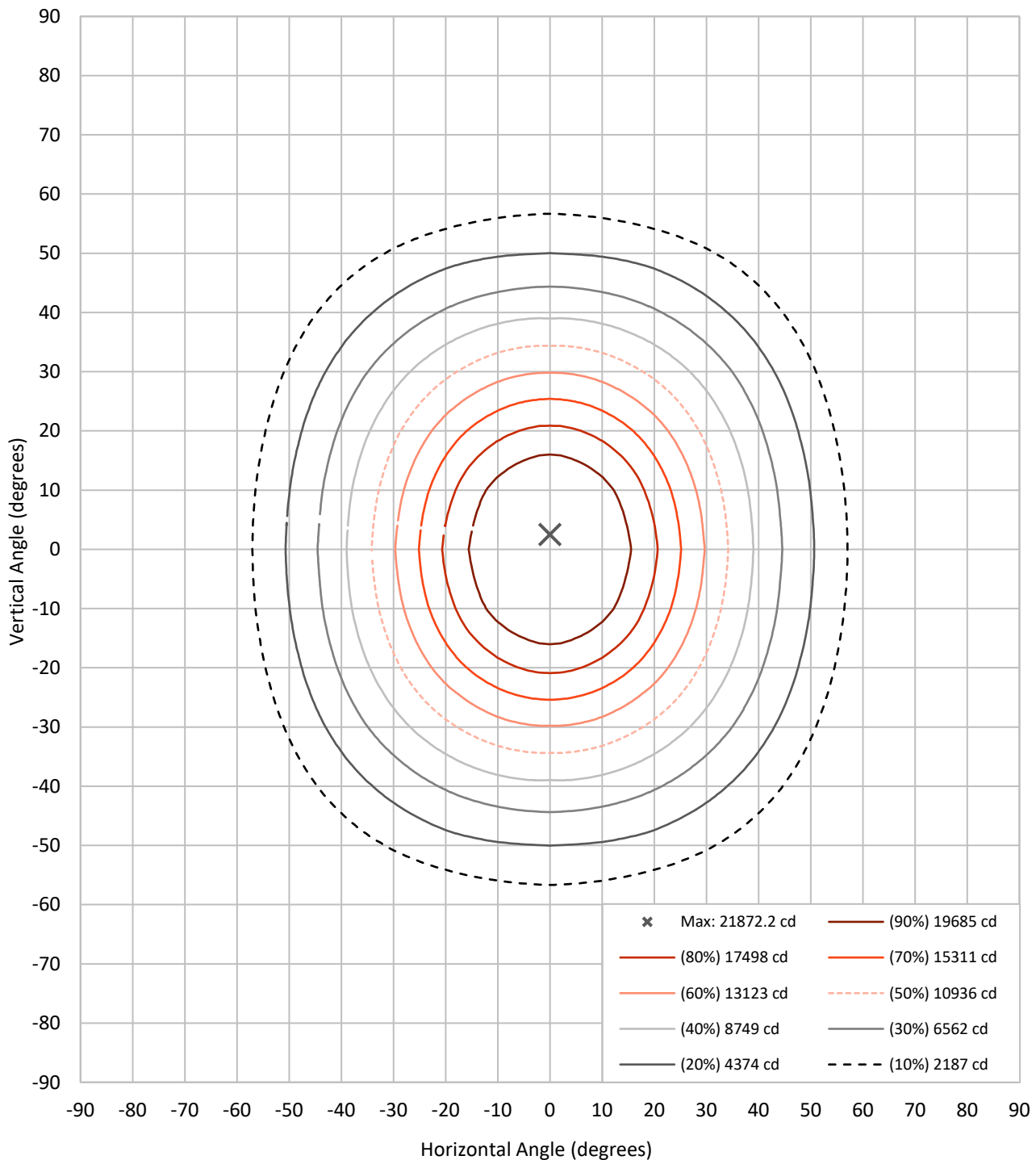
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	29602.1 lumens	Max Intensity:	21872.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 2.5°V
Efficacy:	96.4 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	68°H x 68.7°V	Field Angle (10%):	114°H x 113.4°V
Beam Lumens:	17748.6 lumens	Field Lumens:	28277.9 lumens
Beam Efficiency:	60.0%	Field Efficiency:	95.5%

Input Watts (W): 307  
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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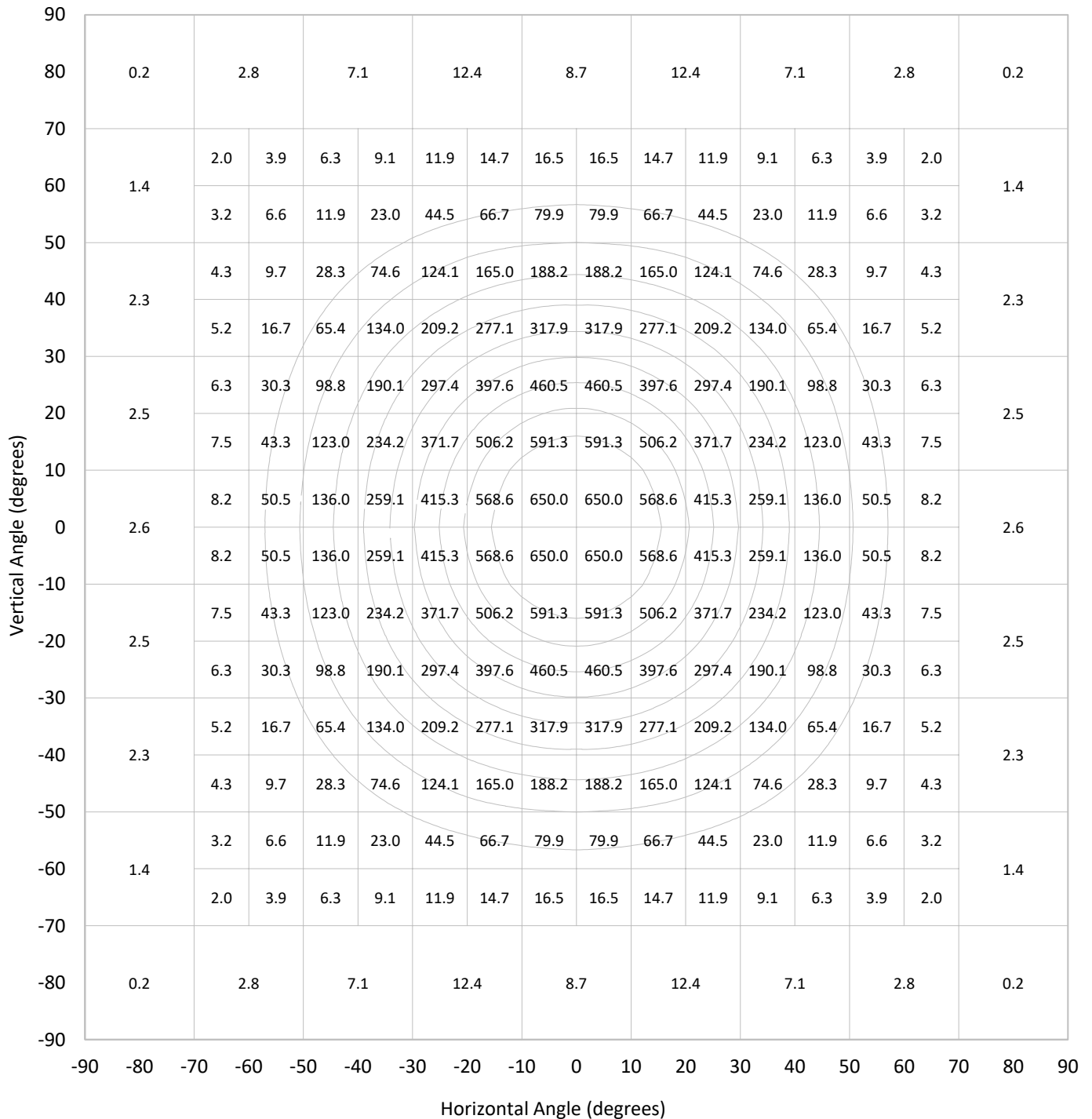
### Iso-Candela Plot





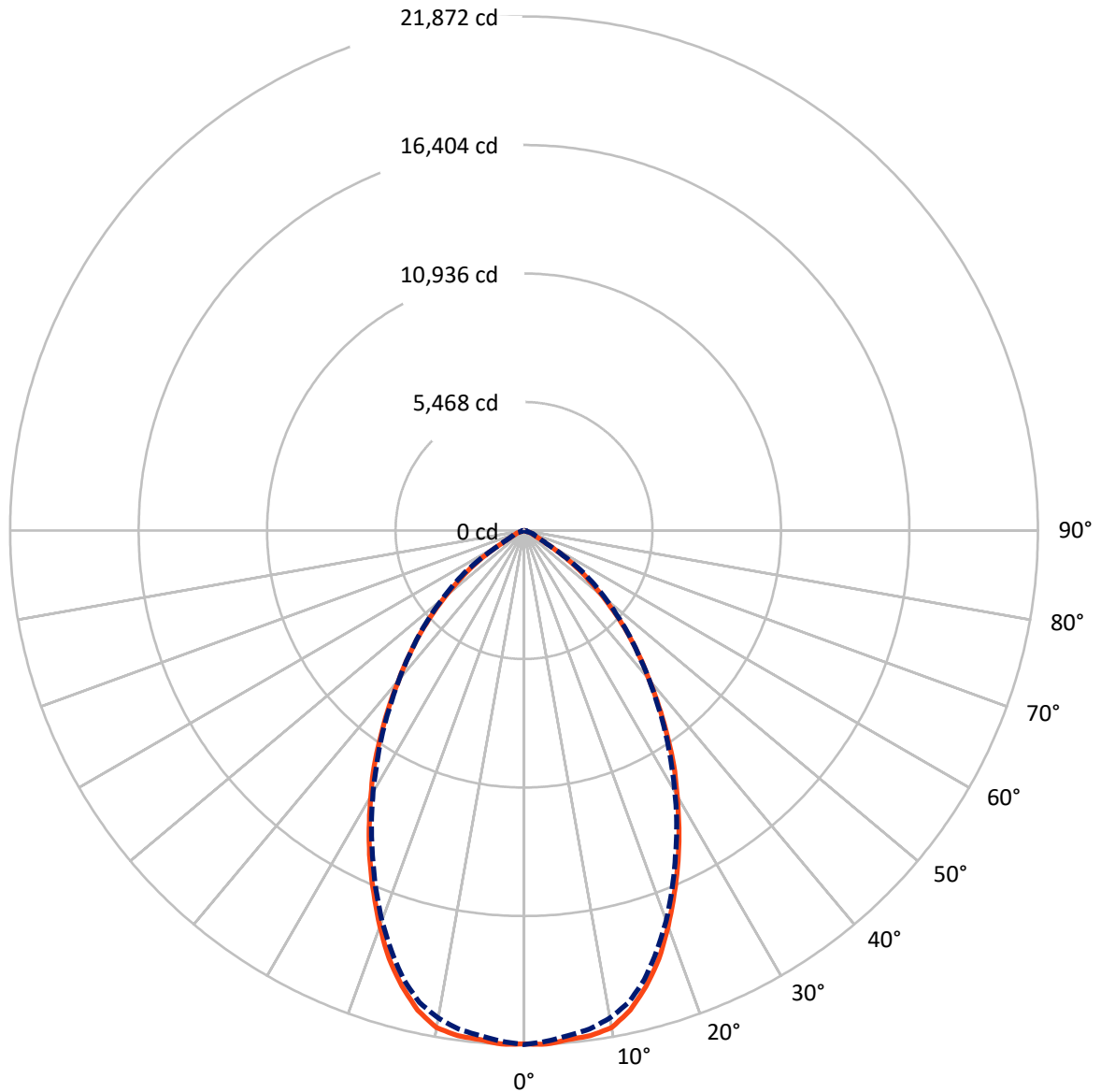
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### Lumen Table



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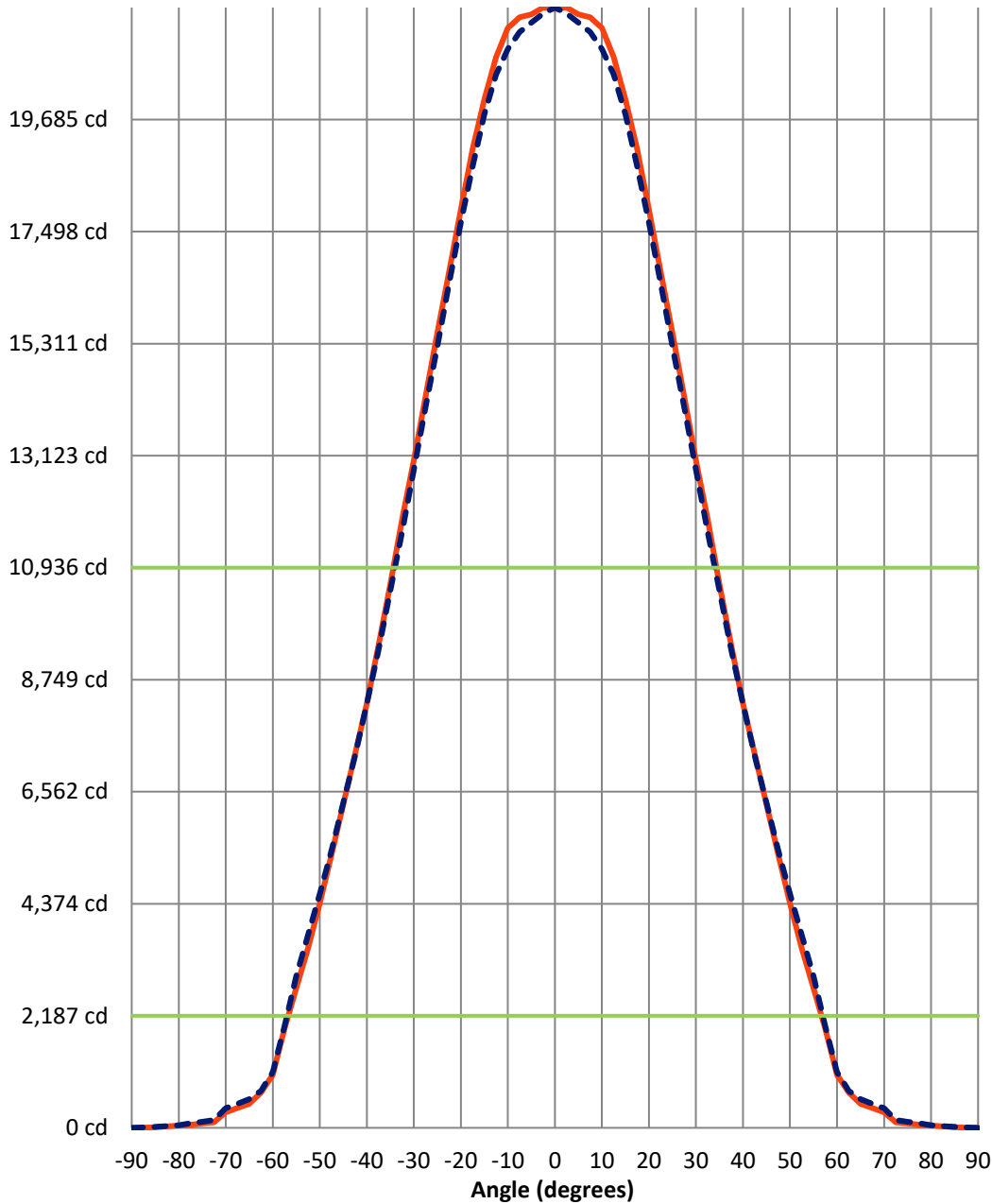
### Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg      - - - Horizontal Distribution Through 2.5-Deg

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### Luminous Intensity Plot



**Beam:**  
H Angle: 68°  
V Angle: 68.7°  
Lumens: 17748.6  
Efficiency: 60.0%

**Field:**  
H Angle: 114°  
V Angle: 113.4°  
Lumens: 28277.9  
Efficiency: 95.5%

**Spill:**  
Lumens: 1324.2  
Efficiency: 4.5%

- Vertical Distribution through 0-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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.4	0.7	1.1	1.5	1.8	2.2	2.5	2.9	3.2	3.5
85°	0.0	0.7	1.5	2.2	2.9	3.6	4.3	5.0	5.7	6.4	7.1
82.5°	0.0	1.1	2.2	3.3	4.4	5.4	6.5	7.6	9.0	12.4	15.9
80°	0.0	1.5	2.9	4.4	5.8	7.2	9.2	13.5	18.1	22.8	27.6
77.5°	0.0	1.8	3.6	5.4	7.2	10.0	15.5	21.2	27.0	33.0	41.2
75°	0.0	2.2	4.3	6.5	8.9	14.4	21.6	28.7	36.5	48.8	60.8
72.5°	0.0	2.5	5.0	7.6	11.9	18.8	27.5	37.8	52.2	66.3	80.3
70°	0.0	2.9	5.7	8.7	14.7	22.9	33.9	51.4	67.7	83.9	106.9
67.5°	0.0	3.2	6.4	10.4	17.4	26.9	44.2	64.8	83.0	107.2	134.4
65°	0.0	3.5	7.1	12.1	20.0	32.1	53.9	78.0	101.9	129.7	160.4
62.5°	0.0	3.9	7.7	13.6	22.5	38.5	62.9	92.2	119.9	151.7	185.3
60°	0.0	4.2	8.4	15.1	24.7	44.3	71.2	106.4	137.0	175.4	210.3
57.5°	0.0	4.5	9.2	16.4	28.2	49.6	79.5	119.2	157.9	199.1	231.2
55°	0.0	4.8	10.1	17.7	31.3	54.3	86.9	129.1	179.8	221.5	250.2
52.5°	0.0	5.1	10.8	18.8	34.1	58.4	93.3	143.7	201.5	238.9	269.1
50°	0.0	5.4	11.6	19.8	36.5	62.3	98.6	157.4	221.3	256.3	289.0
47.5°	0.0	5.7	12.4	20.8	38.5	65.4	103.5	169.3	236.8	273.5	307.9
45°	0.0	5.9	13.1	21.9	40.0	67.8	111.9	179.3	243.5	289.1	325.5
42.5°	0.0	6.2	13.8	22.8	41.1	69.3	118.8	184.9	247.8	303.6	344.9
40°	0.0	6.4	14.4	23.8	41.9	70.1	124.4	187.1	250.5	315.8	364.1
37.5°	0.0	6.7	15.0	25.0	42.2	70.1	128.6	187.7	253.2	321.1	382.6
35°	0.0	6.9	15.6	26.1	42.1	71.7	131.4	186.7	255.8	332.9	401.0
32.5°	0.0	7.1	16.2	27.1	41.5	73.6	131.9	184.2	258.4	347.8	419.5
30°	0.0	7.3	16.7	28.0	40.4	74.6	129.5	181.5	260.9	365.7	436.9
27.5°	0.0	7.5	17.1	28.9	41.5	74.6	125.9	182.0	267.3	386.1	453.2
25°	0.0	7.6	17.6	29.7	42.7	73.8	121.4	182.1	281.1	402.4	468.7
22.5°	0.0	7.8	18.0	30.5	43.9	73.7	115.9	181.7	295.7	414.7	488.5
20°	0.0	7.9	18.3	31.2	45.0	77.2	109.4	180.7	310.8	425.9	506.1
17.5°	0.0	8.0	18.7	31.7	46.1	80.2	108.3	179.0	325.9	436.0	521.4
15°	0.0	8.1	18.9	32.3	47.0	82.9	110.5	178.1	340.7	444.9	534.6
12.5°	0.0	8.2	19.2	32.7	47.9	85.1	112.4	176.9	353.8	452.5	545.5
10°	0.0	8.3	19.4	33.1	48.6	86.9	114.1	173.4	364.6	458.4	553.7
7.5°	0.0	8.3	19.5	33.3	49.3	88.2	115.6	167.8	373.3	463.1	558.4
5°	0.0	8.4	19.6	33.5	49.9	89.2	116.7	160.7	379.4	466.6	560.9
2.5°	0.0	8.4	19.7	33.7	50.6	90.0	118.1	143.4	382.4	469.6	559.5
0°	0.0	8.4	19.7	33.7	50.3	89.8	117.6	152.5	382.6	468.8	561.2
-2.5°	0.0	8.4	19.7	33.7	50.3	89.8	117.6	152.5	382.6	468.8	561.2
-5°	0.0	8.4	19.6	33.5	49.9	89.2	116.7	160.7	379.4	466.6	560.9
-7.5°	0.0	8.3	19.5	33.3	49.3	88.2	115.6	167.8	373.3	463.1	558.4
-10°	0.0	8.3	19.4	33.1	48.6	86.9	114.1	173.4	364.6	458.4	553.7
-12.5°	0.0	8.2	19.2	32.7	47.9	85.1	112.4	176.9	353.8	452.5	545.5
-15°	0.0	8.1	18.9	32.3	47.0	82.9	110.5	178.1	340.7	444.9	534.6
-17.5°	0.0	8.0	18.7	31.7	46.1	80.2	108.3	179.0	325.9	436.0	521.4
-20°	0.0	7.9	18.3	31.2	45.0	77.2	109.4	180.7	310.8	425.9	506.1



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**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	7.8	18.0	30.5	43.9	73.7	115.9	181.7	295.7	414.7	488.5
-25°	0.0	7.6	17.6	29.7	42.7	73.8	121.4	182.1	281.1	402.4	468.7
-27.5°	0.0	7.5	17.1	28.9	41.5	74.6	125.9	182.0	267.3	386.1	453.2
-30°	0.0	7.3	16.7	28.0	40.4	74.6	129.5	181.5	260.9	365.7	436.9
-32.5°	0.0	7.1	16.2	27.1	41.5	73.6	131.9	184.2	258.4	347.8	419.5
-35°	0.0	6.9	15.6	26.1	42.1	71.7	131.4	186.7	255.8	332.9	401.0
-37.5°	0.0	6.7	15.0	25.0	42.2	70.1	128.6	187.7	253.2	321.1	382.6
-40°	0.0	6.4	14.4	23.8	41.9	70.1	124.4	187.1	250.5	315.8	364.1
-42.5°	0.0	6.2	13.8	22.8	41.1	69.3	118.8	184.9	247.8	303.6	344.9
-45°	0.0	5.9	13.1	21.9	40.0	67.8	111.9	179.3	243.5	289.1	325.5
-47.5°	0.0	5.7	12.4	20.8	38.5	65.4	103.5	169.3	236.8	273.5	307.9
-50°	0.0	5.4	11.6	19.8	36.5	62.3	98.6	157.4	221.3	256.3	289.0
-52.5°	0.0	5.1	10.8	18.8	34.1	58.4	93.3	143.7	201.5	238.9	269.1
-55°	0.0	4.8	10.1	17.7	31.3	54.3	86.9	129.1	179.8	221.5	250.2
-57.5°	0.0	4.5	9.2	16.4	28.2	49.6	79.5	119.2	157.9	199.1	231.2
-60°	0.0	4.2	8.4	15.1	24.7	44.3	71.2	106.4	137.0	175.4	210.3
-62.5°	0.0	3.9	7.7	13.6	22.5	38.5	62.9	92.2	119.9	151.7	185.3
-65°	0.0	3.5	7.1	12.1	20.0	32.1	53.9	78.0	101.9	129.7	160.4
-67.5°	0.0	3.2	6.4	10.4	17.4	26.9	44.2	64.8	83.0	107.2	134.4
-70°	0.0	2.9	5.7	8.7	14.7	22.9	33.9	51.4	67.7	83.9	106.9
-72.5°	0.0	2.5	5.0	7.6	11.9	18.8	27.5	37.8	52.2	66.3	80.3
-75°	0.0	2.2	4.3	6.5	8.9	14.4	21.6	28.7	36.5	48.8	60.8
-77.5°	0.0	1.8	3.6	5.4	7.2	10.0	15.5	21.2	27.0	33.0	41.2
-80°	0.0	1.5	2.9	4.4	5.8	7.2	9.2	13.5	18.1	22.8	27.6
-82.5°	0.0	1.1	2.2	3.3	4.4	5.4	6.5	7.6	9.0	12.4	15.9
-85°	0.0	0.7	1.5	2.2	2.9	3.6	4.3	5.0	5.7	6.4	7.1
-87.5°	0.0	0.4	0.7	1.1	1.5	1.8	2.2	2.5	2.9	3.2	3.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





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 CATALOG NUMBER: GFLD-SA5E-940-U-WR-XX

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.6	3.5	3.4	3.2	3.4	3.6	3.8	4.0	3.6	3.2	2.8
85°	7.1	7.0	7.9	8.5	9.4	10.0	10.3	10.3	11.6	13.1	15.0
82.5°	17.8	19.0	19.8	19.9	20.2	20.1	19.9	19.9	24.4	30.3	36.9
80°	29.9	31.2	35.9	41.0	43.6	43.6	41.3	36.9	43.7	54.6	67.7
77.5°	48.8	56.0	63.5	71.2	72.7	69.0	63.0	54.7	64.4	83.8	105.7
75°	71.0	80.7	91.8	100.0	100.1	94.1	86.3	84.6	101.0	124.5	143.8
72.5°	97.0	111.3	122.0	129.0	128.4	127.4	130.5	137.5	150.9	168.1	183.0
70°	128.5	142.8	150.6	154.3	155.7	163.5	175.1	183.9	193.5	210.3	226.0
67.5°	159.7	170.6	177.5	182.3	195.4	210.4	222.0	232.7	244.5	261.9	276.1
65°	187.4	198.6	208.4	223.0	242.1	256.3	270.2	284.6	305.1	324.5	336.1
62.5°	214.5	226.4	241.4	261.2	282.0	300.1	322.7	348.2	374.9	394.7	417.4
60°	235.6	252.6	273.7	297.3	322.0	351.5	380.5	410.4	437.7	464.3	497.8
57.5°	255.7	280.1	306.5	334.2	367.0	403.7	439.1	471.3	505.7	542.8	580.6
55°	277.6	309.6	338.9	371.9	411.9	458.5	497.9	536.1	577.3	639.7	694.2
52.5°	301.7	337.1	370.2	410.6	460.2	510.0	554.8	608.4	677.2	769.8	920.1
50°	324.3	362.3	401.1	453.3	507.0	559.5	624.3	698.8	836.7	1009.4	1312.0
47.5°	346.9	387.1	438.5	494.9	553.4	622.6	704.7	867.8	1055.7	1486.1	1914.9
45°	369.3	417.1	473.9	537.8	607.6	694.5	865.1	1066.1	1577.3	2072.5	2588.1
42.5°	391.1	447.1	512.0	580.2	671.3	828.5	1048.3	1579.5	2133.0	2701.5	3196.4
40°	415.9	475.1	550.2	636.8	757.2	995.9	1489.2	2087.3	2711.1	3248.2	3729.7
37.5°	439.3	509.3	590.9	691.7	908.1	1306.6	1942.2	2605.5	3209.6	3734.4	4248.8
35°	460.7	542.5	639.7	790.8	1055.9	1712.8	2401.8	3076.4	3653.7	4214.1	4776.8
32.5°	485.9	574.5	686.6	922.0	1395.2	2105.0	2838.1	3480.9	4085.5	4683.1	5325.8
30°	513.7	614.3	751.9	1047.2	1731.3	2485.9	3212.3	3868.9	4495.8	5159.4	5847.8
27.5°	539.9	652.6	860.0	1290.0	2047.3	2841.7	3552.8	4228.5	4901.4	5608.1	6349.2
25°	563.7	689.0	961.4	1556.3	2352.3	3145.3	3866.0	4553.7	5280.2	6048.3	6828.2
22.5°	589.4	724.4	1052.9	1798.8	2631.3	3415.4	4142.6	4871.7	5640.8	6454.8	7268.3
20°	617.0	800.2	1203.4	2022.8	2884.9	3660.9	4390.9	5167.3	5978.2	6821.2	7680.4
17.5°	642.3	867.2	1383.2	2235.2	3098.0	3874.4	4614.3	5435.0	6271.5	7152.8	8057.9
15°	665.0	925.2	1541.6	2423.1	3278.9	4055.7	4832.3	5672.5	6532.2	7450.2	8390.2
12.5°	684.9	974.3	1677.8	2585.5	3431.6	4210.7	5015.5	5872.9	6764.6	7710.2	8689.7
10°	701.9	1014.3	1791.0	2721.3	3555.7	4338.7	5162.5	6039.6	6949.6	7919.5	8931.3
7.5°	712.7	1047.2	1880.6	2829.8	3651.5	4438.8	5273.4	6171.0	7084.8	8082.9	9113.9
5°	719.6	1074.1	1945.3	2910.0	3721.3	4514.4	5353.3	6265.4	7171.7	8197.6	9236.8
2.5°	722.9	1092.6	1984.8	2961.4	3765.0	4567.4	5419.4	6348.2	7263.1	8279.3	9331.9
0°	722.6	1102.2	1999.1	2983.2	3781.7	4591.5	5451.9	6391.0	7321.7	8314.2	9396.7
-2.5°	722.9	1092.6	1984.8	2961.4	3765.0	4567.4	5419.4	6348.2	7263.1	8279.3	9331.9
-5°	719.6	1074.1	1945.3	2910.0	3721.3	4514.4	5353.3	6265.4	7171.7	8197.6	9236.8
-7.5°	712.7	1047.2	1880.6	2829.8	3651.5	4438.8	5273.4	6171.0	7084.8	8082.9	9113.9
-10°	701.9	1014.3	1791.0	2721.3	3555.7	4338.7	5162.5	6039.6	6949.6	7919.5	8931.3
-12.5°	684.9	974.3	1677.8	2585.5	3431.6	4210.7	5015.5	5872.9	6764.6	7710.2	8689.7
-15°	665.0	925.2	1541.6	2423.1	3278.9	4055.7	4832.3	5672.5	6532.2	7450.2	8390.2
-17.5°	642.3	867.2	1383.2	2235.2	3098.0	3874.4	4614.3	5435.0	6271.5	7152.8	8057.9
-20°	617.0	800.2	1203.4	2022.8	2884.9	3660.9	4390.9	5167.3	5978.2	6821.2	7680.4



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 CATALOG NUMBER: GFLD-SA5E-940-U-WR-XX

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	589.4	724.4	1052.9	1798.8	2631.3	3415.4	4142.6	4871.7	5640.8	6454.8	7268.3
-25°	563.7	689.0	961.4	1556.3	2352.3	3145.3	3866.0	4553.7	5280.2	6048.3	6828.2
-27.5°	539.9	652.6	860.0	1290.0	2047.3	2841.7	3552.8	4228.5	4901.4	5608.1	6349.2
-30°	513.7	614.3	751.9	1047.2	1731.3	2485.9	3212.3	3868.9	4495.8	5159.4	5847.8
-32.5°	485.9	574.5	686.6	922.0	1395.2	2105.0	2838.1	3480.9	4085.5	4683.1	5325.8
-35°	460.7	542.5	639.7	790.8	1055.9	1712.8	2401.8	3076.4	3653.7	4214.1	4776.8
-37.5°	439.3	509.3	590.9	691.7	908.1	1306.6	1942.2	2605.5	3209.6	3734.4	4248.8
-40°	415.9	475.1	550.2	636.8	757.2	995.9	1489.2	2087.3	2711.1	3248.2	3729.7
-42.5°	391.1	447.1	512.0	580.2	671.3	828.5	1048.3	1579.5	2133.0	2701.5	3196.4
-45°	369.3	417.1	473.9	537.8	607.6	694.5	865.1	1066.1	1577.3	2072.5	2588.1
-47.5°	346.9	387.1	438.5	494.9	553.4	622.6	704.7	867.8	1055.7	1486.1	1914.9
-50°	324.3	362.3	401.1	453.3	507.0	559.5	624.3	698.8	836.7	1009.4	1312.0
-52.5°	301.7	337.1	370.2	410.6	460.2	510.0	554.8	608.4	677.2	769.8	920.1
-55°	277.6	309.6	338.9	371.9	411.9	458.5	497.9	536.1	577.3	639.7	694.2
-57.5°	255.7	280.1	306.5	334.2	367.0	403.7	439.1	471.3	505.7	542.8	580.6
-60°	235.6	252.6	273.7	297.3	322.0	351.5	380.5	410.4	437.7	464.3	497.8
-62.5°	214.5	226.4	241.4	261.2	282.0	300.1	322.7	348.2	374.9	394.7	417.4
-65°	187.4	198.6	208.4	223.0	242.1	256.3	270.2	284.6	305.1	324.5	336.1
-67.5°	159.7	170.6	177.5	182.3	195.4	210.4	222.0	232.7	244.5	261.9	276.1
-70°	128.5	142.8	150.6	154.3	155.7	163.5	175.1	183.9	193.5	210.3	226.0
-72.5°	97.0	111.3	122.0	129.0	128.4	127.4	130.5	137.5	150.9	168.1	183.0
-75°	71.0	80.7	91.8	100.0	100.1	94.1	86.3	84.6	101.0	124.5	143.8
-77.5°	48.8	56.0	63.5	71.2	72.7	69.0	63.0	54.7	64.4	83.8	105.7
-80°	29.9	31.2	35.9	41.0	43.6	43.6	41.3	36.9	43.7	54.6	67.7
-82.5°	17.8	19.0	19.8	19.9	20.2	20.1	19.9	19.9	24.4	30.3	36.9
-85°	7.1	7.0	7.9	8.5	9.4	10.0	10.3	10.3	11.6	13.1	15.0
-87.5°	3.6	3.5	3.4	3.2	3.4	3.6	3.8	4.0	3.6	3.2	2.8
-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: P559131 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.3	2.4	2.4	2.5	2.5	2.6	2.6	2.7	2.7	2.7	2.8
85°	17.1	16.9	16.2	15.4	14.3	14.7	15.2	15.6	15.9	14.9	13.7
82.5°	44.1	47.4	50.4	53.7	57.2	56.7	55.1	52.8	49.9	44.4	38.4
80°	82.7	90.4	95.5	99.7	102.9	99.8	95.0	89.4	83.2	73.9	63.8
77.5°	128.3	136.1	140.1	144.9	150.3	151.4	151.7	152.2	152.8	135.6	113.7
75°	159.3	169.6	178.0	185.5	192.1	195.4	197.6	199.7	201.7	178.9	148.9
72.5°	195.8	205.8	213.9	222.0	229.2	234.7	238.9	242.4	245.2	226.7	200.5
70°	238.5	248.5	257.8	266.2	274.3	281.8	288.5	294.7	300.3	301.4	302.7
67.5°	286.8	292.6	303.7	314.2	326.9	336.1	346.4	356.0	364.9	372.4	378.7
65°	346.4	367.7	389.2	399.7	400.6	414.0	435.0	446.7	450.1	452.7	459.4
62.5°	446.6	474.0	488.4	507.3	533.1	561.3	572.1	587.6	606.6	627.9	647.2
60°	526.2	549.5	584.3	619.7	651.1	679.7	749.0	810.6	863.4	908.8	952.5
57.5°	625.0	663.5	716.7	812.5	900.2	979.4	1114.9	1280.4	1427.8	1556.8	1670.2
55°	782.4	894.5	995.4	1221.6	1463.4	1672.6	1868.5	2078.0	2248.5	2381.9	2505.2
52.5°	1050.9	1359.1	1671.4	1965.1	2254.0	2517.0	2752.9	2938.6	3083.6	3192.4	3295.4
50°	1682.4	2053.8	2434.2	2784.7	3068.4	3327.7	3573.3	3757.5	3911.6	4044.3	4161.7
47.5°	2370.9	2805.6	3165.2	3488.4	3794.2	4081.8	4350.4	4574.6	4764.5	4939.5	5085.3
45°	3056.0	3444.8	3813.5	4160.1	4492.9	4815.3	5104.3	5359.3	5610.5	5818.1	5982.3
42.5°	3635.3	4047.0	4439.1	4835.8	5207.9	5569.5	5918.7	6228.8	6495.6	6722.5	6905.0
40°	4191.3	4635.1	5100.9	5541.4	5983.3	6395.9	6782.7	7136.7	7440.7	7709.2	7936.5
37.5°	4757.2	5275.5	5787.2	6289.2	6776.0	7224.8	7668.7	8077.2	8433.3	8747.5	9011.5
35°	5354.5	5925.6	6482.6	7048.1	7579.7	8099.1	8589.8	9039.4	9433.7	9804.0	10122.3
32.5°	5952.8	6571.7	7198.7	7810.7	8399.6	8981.3	9519.4	10026.3	10492.5	10902.3	11242.1
30°	6535.4	7216.8	7887.6	8554.4	9226.5	9860.2	10456.3	11013.0	11518.9	11965.3	12351.4
27.5°	7094.4	7826.9	8546.4	9309.0	10039.3	10728.7	11376.3	11974.9	12539.6	13047.2	13485.4
25°	7611.7	8389.7	9228.4	10028.2	10809.7	11574.3	12283.9	12934.0	13579.6	14138.2	14613.9
22.5°	8100.3	8968.6	9851.6	10690.4	11552.8	12393.5	13187.7	13941.2	14630.7	15216.0	15723.3
20°	8565.0	9499.4	10409.3	11338.0	12271.8	13178.8	14053.5	14858.7	15587.2	16224.9	16797.1
17.5°	9004.0	9970.8	10937.7	11929.4	12937.9	13891.4	14818.1	15694.1	16489.5	17197.0	17841.9
15°	9383.6	10382.7	11418.0	12472.1	13526.8	14540.7	15524.2	16478.5	17373.3	18143.5	18793.9
12.5°	9706.3	10747.0	11842.3	12948.2	14060.0	15122.9	16165.2	17186.3	18137.5	18965.5	19633.3
10°	9973.9	11064.3	12208.4	13360.3	14500.6	15605.0	16689.0	17745.6	18767.2	19625.5	20311.4
7.5°	10197.0	11329.2	12499.7	13686.3	14837.0	15983.8	17114.5	18181.7	19188.2	20093.2	20798.1
5°	10363.6	11514.8	12709.9	13926.1	15094.4	16282.2	17446.4	18538.6	19535.2	20355.3	20930.7
2.5°	10487.6	11630.3	12846.4	14070.7	15254.4	16485.1	17674.2	18767.4	19787.4	20563.7	21061.9
0°	10572.0	11693.9	12970.4	14171.0	15374.4	16636.9	17812.1	18917.1	19940.6	20699.8	21214.3
-2.5°	10487.6	11630.3	12846.4	14070.7	15254.4	16485.1	17674.2	18767.4	19787.4	20563.7	21061.9
-5°	10363.6	11514.8	12709.9	13926.1	15094.4	16282.2	17446.4	18538.6	19535.2	20355.3	20930.7
-7.5°	10197.0	11329.2	12499.7	13686.3	14837.0	15983.8	17114.5	18181.7	19188.2	20093.2	20798.1
-10°	9973.9	11064.3	12208.4	13360.3	14500.6	15605.0	16689.0	17745.6	18767.2	19625.5	20311.4
-12.5°	9706.3	10747.0	11842.3	12948.2	14060.0	15122.9	16165.2	17186.3	18137.5	18965.5	19633.3
-15°	9383.6	10382.7	11418.0	12472.1	13526.8	14540.7	15524.2	16478.5	17373.3	18143.5	18793.9
-17.5°	9004.0	9970.8	10937.7	11929.4	12937.9	13891.4	14818.1	15694.1	16489.5	17197.0	17841.9
-20°	8565.0	9499.4	10409.3	11338.0	12271.8	13178.8	14053.5	14858.7	15587.2	16224.9	16797.1



REPORT NUMBER: P559131 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	8100.3	8968.6	9851.6	10690.4	11552.8	12393.5	13187.7	13941.2	14630.7	15216.0	15723.3
-25°	7611.7	8389.7	9228.4	10028.2	10809.7	11574.3	12283.9	12934.0	13579.6	14138.2	14613.9
-27.5°	7094.4	7826.9	8546.4	9309.0	10039.3	10728.7	11376.3	11974.9	12539.6	13047.2	13485.4
-30°	6535.4	7216.8	7887.6	8554.4	9226.5	9860.2	10456.3	11013.0	11518.9	11965.3	12351.4
-32.5°	5952.8	6571.7	7198.7	7810.7	8399.6	8981.3	9519.4	10026.3	10492.5	10902.3	11242.1
-35°	5354.5	5925.6	6482.6	7048.1	7579.7	8099.1	8589.8	9039.4	9433.7	9804.0	10122.3
-37.5°	4757.2	5275.5	5787.2	6289.2	6776.0	7224.8	7668.7	8077.2	8433.3	8747.5	9011.5
-40°	4191.3	4635.1	5100.9	5541.4	5983.3	6395.9	6782.7	7136.7	7440.7	7709.2	7936.5
-42.5°	3635.3	4047.0	4439.1	4835.8	5207.9	5569.5	5918.7	6228.8	6495.6	6722.5	6905.0
-45°	3056.0	3444.8	3813.5	4160.1	4492.9	4815.3	5104.3	5359.3	5610.5	5818.1	5982.3
-47.5°	2370.9	2805.6	3165.2	3488.4	3794.2	4081.8	4350.4	4574.6	4764.5	4939.5	5085.3
-50°	1682.4	2053.8	2434.2	2784.7	3068.4	3327.7	3573.3	3757.5	3911.6	4044.3	4161.7
-52.5°	1050.9	1359.1	1671.4	1965.1	2254.0	2517.0	2752.9	2938.6	3083.6	3192.4	3295.4
-55°	782.4	894.5	995.4	1221.6	1463.4	1672.6	1868.5	2078.0	2248.5	2381.9	2505.2
-57.5°	625.0	663.5	716.7	812.5	900.2	979.4	1114.9	1280.4	1427.8	1556.8	1670.2
-60°	526.2	549.5	584.3	619.7	651.1	679.7	749.0	810.6	863.4	908.8	952.5
-62.5°	446.6	474.0	488.4	507.3	533.1	561.3	572.1	587.6	606.6	627.9	647.2
-65°	346.4	367.7	389.2	399.7	400.6	414.0	435.0	446.7	450.1	452.7	459.4
-67.5°	286.8	292.6	303.7	314.2	326.9	336.1	346.4	356.0	364.9	372.4	378.7
-70°	238.5	248.5	257.8	266.2	274.3	281.8	288.5	294.7	300.3	301.4	302.7
-72.5°	195.8	205.8	213.9	222.0	229.2	234.7	238.9	242.4	245.2	226.7	200.5
-75°	159.3	169.6	178.0	185.5	192.1	195.4	197.6	199.7	201.7	178.9	148.9
-77.5°	128.3	136.1	140.1	144.9	150.3	151.4	151.7	152.2	152.8	135.6	113.7
-80°	82.7	90.4	95.5	99.7	102.9	99.8	95.0	89.4	83.2	73.9	63.8
-82.5°	44.1	47.4	50.4	53.7	57.2	56.7	55.1	52.8	49.9	44.4	38.4
-85°	17.1	16.9	16.2	15.4	14.3	14.7	15.2	15.6	15.9	14.9	13.7
-87.5°	2.3	2.4	2.4	2.5	2.5	2.6	2.6	2.7	2.7	2.7	2.8
-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: P559131 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-940-U-WR-XX

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.7	2.7	2.7
85°	12.5	11.1	11.2	11.2	11.2	11.1	12.5	13.7	14.9	15.9	15.6
82.5°	32.0	25.3	26.6	28.1	26.6	25.3	32.0	38.4	44.4	49.9	52.8
80°	53.2	42.3	43.5	45.0	43.5	42.3	53.2	63.8	73.9	83.2	89.4
77.5°	90.2	65.5	63.2	61.9	63.2	65.5	90.2	113.7	135.6	152.8	152.2
75°	117.9	86.1	84.3	84.4	84.3	86.1	117.9	148.9	178.9	201.7	199.7
72.5°	174.0	147.2	128.5	109.7	128.5	147.2	174.0	200.5	226.7	245.2	242.4
70°	306.0	309.7	308.2	303.7	308.2	309.7	306.0	302.7	301.4	300.3	294.7
67.5°	383.9	388.0	388.8	388.0	388.8	388.0	383.9	378.7	372.4	364.9	356.0
65°	464.0	466.7	468.8	469.6	468.8	466.7	464.0	459.4	452.7	450.1	446.7
62.5°	661.7	671.4	681.7	688.9	681.7	671.4	661.7	647.2	627.9	606.6	587.6
60°	990.7	1022.2	1036.2	1037.5	1036.2	1022.2	990.7	952.5	908.8	863.4	810.6
57.5°	1760.9	1828.7	1889.2	1934.5	1889.2	1828.7	1760.9	1670.2	1556.8	1427.8	1280.4
55°	2603.5	2675.7	2716.5	2727.4	2716.5	2675.7	2603.5	2505.2	2381.9	2248.5	2078.0
52.5°	3373.5	3421.5	3467.1	3506.2	3467.1	3421.5	3373.5	3295.4	3192.4	3083.6	2938.6
50°	4250.3	4303.8	4348.8	4383.4	4348.8	4303.8	4250.3	4161.7	4044.3	3911.6	3757.5
47.5°	5187.6	5253.1	5301.3	5333.8	5301.3	5253.1	5187.6	5085.3	4939.5	4764.5	4574.6
45°	6122.8	6234.9	6303.1	6315.1	6303.1	6234.9	6122.8	5982.3	5818.1	5610.5	5359.3
42.5°	7062.9	7170.3	7242.8	7296.4	7242.8	7170.3	7062.9	6905.0	6722.5	6495.6	6228.8
40°	8125.9	8260.9	8322.7	8283.3	8322.7	8260.9	8125.9	7936.5	7709.2	7440.7	7136.7
37.5°	9215.0	9353.8	9425.3	9422.0	9425.3	9353.8	9215.0	9011.5	8747.5	8433.3	8077.2
35°	10369.7	10541.7	10634.8	10611.4	10634.8	10541.7	10369.7	10122.3	9804.0	9433.7	9039.4
32.5°	11513.5	11721.5	11855.8	11876.6	11855.8	11721.5	11513.5	11242.1	10902.3	10492.5	10026.3
30°	12660.9	12885.6	13019.2	13032.2	13019.2	12885.6	12660.9	12351.4	11965.3	11518.9	11013.0
27.5°	13853.1	14104.6	14244.4	14277.8	14244.4	14104.6	13853.1	13485.4	13047.2	12539.6	11974.9
25°	15019.6	15298.7	15459.1	15520.6	15459.1	15298.7	15019.6	14613.9	14138.2	13579.6	12934.0
22.5°	16144.4	16450.5	16659.5	16712.8	16659.5	16450.5	16144.4	15723.3	15216.0	14630.7	13941.2
20°	17272.5	17633.7	17901.1	17927.4	17901.1	17633.7	17272.5	16797.1	16224.9	15587.2	14858.7
17.5°	18358.7	18749.5	19035.7	19105.5	19035.7	18749.5	18358.7	17841.9	17197.0	16489.5	15694.1
15°	19331.1	19741.3	20017.6	20078.4	20017.6	19741.3	19331.1	18793.9	18143.5	17373.3	16478.5
12.5°	20170.3	20548.4	20806.3	20905.0	20806.3	20548.4	20170.3	19633.3	18965.5	18137.5	17186.3
10°	20846.3	21138.4	21368.9	21473.0	21368.9	21138.4	20846.3	20311.4	19625.5	18767.2	17745.6
7.5°	21223.7	21464.0	21623.6	21681.0	21623.6	21464.0	21223.7	20798.1	20093.2	19188.2	18181.7
5°	21372.8	21603.2	21689.6	21740.1	21689.6	21603.2	21372.8	20930.7	20355.3	19535.2	18538.6
2.5°	21393.2	21577.5	21755.4	21872.2	21755.4	21577.5	21393.2	21061.9	20563.7	19787.4	18767.4
0°	21512.3	21692.3	21790.7	21846.9	21790.7	21692.3	21512.3	21214.3	20699.8	19940.6	18917.1
-2.5°	21393.2	21577.5	21755.4	21872.2	21755.4	21577.5	21393.2	21061.9	20563.7	19787.4	18767.4
-5°	21372.8	21603.2	21689.6	21740.1	21689.6	21603.2	21372.8	20930.7	20355.3	19535.2	18538.6
-7.5°	21223.7	21464.0	21623.6	21681.0	21623.6	21464.0	21223.7	20798.1	20093.2	19188.2	18181.7
-10°	20846.3	21138.4	21368.9	21473.0	21368.9	21138.4	20846.3	20311.4	19625.5	18767.2	17745.6
-12.5°	20170.3	20548.4	20806.3	20905.0	20806.3	20548.4	20170.3	19633.3	18965.5	18137.5	17186.3
-15°	19331.1	19741.3	20017.6	20078.4	20017.6	19741.3	19331.1	18793.9	18143.5	17373.3	16478.5
-17.5°	18358.7	18749.5	19035.7	19105.5	19035.7	18749.5	18358.7	17841.9	17197.0	16489.5	15694.1
-20°	17272.5	17633.7	17901.1	17927.4	17901.1	17633.7	17272.5	16797.1	16224.9	15587.2	14858.7



REPORT NUMBER: P559131 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-940-U-WR-XX

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	16144.4	16450.5	16659.5	16712.8	16659.5	16450.5	16144.4	15723.3	15216.0	14630.7	13941.2
-25°	15019.6	15298.7	15459.1	15520.6	15459.1	15298.7	15019.6	14613.9	14138.2	13579.6	12934.0
-27.5°	13853.1	14104.6	14244.4	14277.8	14244.4	14104.6	13853.1	13485.4	13047.2	12539.6	11974.9
-30°	12660.9	12885.6	13019.2	13032.2	13019.2	12885.6	12660.9	12351.4	11965.3	11518.9	11013.0
-32.5°	11513.5	11721.5	11855.8	11876.6	11855.8	11721.5	11513.5	11242.1	10902.3	10492.5	10026.3
-35°	10369.7	10541.7	10634.8	10611.4	10634.8	10541.7	10369.7	10122.3	9804.0	9433.7	9039.4
-37.5°	9215.0	9353.8	9425.3	9422.0	9425.3	9353.8	9215.0	9011.5	8747.5	8433.3	8077.2
-40°	8125.9	8260.9	8322.7	8283.3	8322.7	8260.9	8125.9	7936.5	7709.2	7440.7	7136.7
-42.5°	7062.9	7170.3	7242.8	7296.4	7242.8	7170.3	7062.9	6905.0	6722.5	6495.6	6228.8
-45°	6122.8	6234.9	6303.1	6315.1	6303.1	6234.9	6122.8	5982.3	5818.1	5610.5	5359.3
-47.5°	5187.6	5253.1	5301.3	5333.8	5301.3	5253.1	5187.6	5085.3	4939.5	4764.5	4574.6
-50°	4250.3	4303.8	4348.8	4383.4	4348.8	4303.8	4250.3	4161.7	4044.3	3911.6	3757.5
-52.5°	3373.5	3421.5	3467.1	3506.2	3467.1	3421.5	3373.5	3295.4	3192.4	3083.6	2938.6
-55°	2603.5	2675.7	2716.5	2727.4	2716.5	2675.7	2603.5	2505.2	2381.9	2248.5	2078.0
-57.5°	1760.9	1828.7	1889.2	1934.5	1889.2	1828.7	1760.9	1670.2	1556.8	1427.8	1280.4
-60°	990.7	1022.2	1036.2	1037.5	1036.2	1022.2	990.7	952.5	908.8	863.4	810.6
-62.5°	661.7	671.4	681.7	688.9	681.7	671.4	661.7	647.2	627.9	606.6	587.6
-65°	464.0	466.7	468.8	469.6	468.8	466.7	464.0	459.4	452.7	450.1	446.7
-67.5°	383.9	388.0	388.8	388.0	388.8	388.0	383.9	378.7	372.4	364.9	356.0
-70°	306.0	309.7	308.2	303.7	308.2	309.7	306.0	302.7	301.4	300.3	294.7
-72.5°	174.0	147.2	128.5	109.7	128.5	147.2	174.0	200.5	226.7	245.2	242.4
-75°	117.9	86.1	84.3	84.4	84.3	86.1	117.9	148.9	178.9	201.7	199.7
-77.5°	90.2	65.5	63.2	61.9	63.2	65.5	90.2	113.7	135.6	152.8	152.2
-80°	53.2	42.3	43.5	45.0	43.5	42.3	53.2	63.8	73.9	83.2	89.4
-82.5°	32.0	25.3	26.6	28.1	26.6	25.3	32.0	38.4	44.4	49.9	52.8
-85°	12.5	11.1	11.2	11.2	11.2	11.1	12.5	13.7	14.9	15.9	15.6
-87.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.7	2.7	2.7
-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: P559131 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-940-U-WR-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.6	2.6	2.5	2.5	2.4	2.4	2.3	2.8	3.2	3.6	4.0
85°	15.2	14.7	14.3	15.4	16.2	16.9	17.1	15.0	13.1	11.6	10.3
82.5°	55.1	56.7	57.2	53.7	50.4	47.4	44.1	36.9	30.3	24.4	19.9
80°	95.0	99.8	102.9	99.7	95.5	90.4	82.7	67.7	54.6	43.7	36.9
77.5°	151.7	151.4	150.3	144.9	140.1	136.1	128.3	105.7	83.8	64.4	54.7
75°	197.6	195.4	192.1	185.5	178.0	169.6	159.3	143.8	124.5	101.0	84.6
72.5°	238.9	234.7	229.2	222.0	213.9	205.8	195.8	183.0	168.1	150.9	137.5
70°	288.5	281.8	274.3	266.2	257.8	248.5	238.5	226.0	210.3	193.5	183.9
67.5°	346.4	336.1	326.9	314.2	303.7	292.6	286.8	276.1	261.9	244.5	232.7
65°	435.0	414.0	400.6	399.7	389.2	367.7	346.4	336.1	324.5	305.1	284.6
62.5°	572.1	561.3	533.1	507.3	488.4	474.0	446.6	417.4	394.7	374.9	348.2
60°	749.0	679.7	651.1	619.7	584.3	549.5	526.2	497.8	464.3	437.7	410.4
57.5°	1114.9	979.4	900.2	812.5	716.7	663.5	625.0	580.6	542.8	505.7	471.3
55°	1868.5	1672.6	1463.4	1221.6	995.4	894.5	782.4	694.2	639.7	577.3	536.1
52.5°	2752.9	2517.0	2254.0	1965.1	1671.4	1359.1	1050.9	920.1	769.8	677.2	608.4
50°	3573.3	3327.7	3068.4	2784.7	2434.2	2053.8	1682.4	1312.0	1009.4	836.7	698.8
47.5°	4350.4	4081.8	3794.2	3488.4	3165.2	2805.6	2370.9	1914.9	1486.1	1055.7	867.8
45°	5104.3	4815.3	4492.9	4160.1	3813.5	3444.8	3056.0	2588.1	2072.5	1577.3	1066.1
42.5°	5918.7	5569.5	5207.9	4835.8	4439.1	4047.0	3635.3	3196.4	2701.5	2133.0	1579.5
40°	6782.7	6395.9	5983.3	5541.4	5100.9	4635.1	4191.3	3729.7	3248.2	2711.1	2087.3
37.5°	7668.7	7224.8	6776.0	6289.2	5787.2	5275.5	4757.2	4248.8	3734.4	3209.6	2605.5
35°	8589.8	8099.1	7579.7	7048.1	6482.6	5925.6	5354.5	4776.8	4214.1	3653.7	3076.4
32.5°	9519.4	8981.3	8399.6	7810.7	7198.7	6571.7	5952.8	5325.8	4683.1	4085.5	3480.9
30°	10456.3	9860.2	9226.5	8554.4	7887.6	7216.8	6535.4	5847.8	5159.4	4495.8	3868.9
27.5°	11376.3	10728.7	10039.3	9309.0	8546.4	7826.9	7094.4	6349.2	5608.1	4901.4	4228.5
25°	12283.9	11574.3	10809.7	10028.2	9228.4	8389.7	7611.7	6828.2	6048.3	5280.2	4553.7
22.5°	13187.7	12393.5	11552.8	10690.4	9851.6	8968.6	8100.3	7268.3	6454.8	5640.8	4871.7
20°	14053.5	13178.8	12271.8	11338.0	10409.3	9499.4	8565.0	7680.4	6821.2	5978.2	5167.3
17.5°	14818.1	13891.4	12937.9	11929.4	10937.7	9970.8	9004.0	8057.9	7152.8	6271.5	5435.0
15°	15524.2	14540.7	13526.8	12472.1	11418.0	10382.7	9383.6	8390.2	7450.2	6532.2	5672.5
12.5°	16165.2	15122.9	14060.0	12948.2	11842.3	10747.0	9706.3	8689.7	7710.2	6764.6	5872.9
10°	16689.0	15605.0	14500.6	13360.3	12208.4	11064.3	9973.9	8931.3	7919.5	6949.6	6039.6
7.5°	17114.5	15983.8	14837.0	13686.3	12499.7	11329.2	10197.0	9113.9	8082.9	7084.8	6171.0
5°	17446.4	16282.2	15094.4	13926.1	12709.9	11514.8	10363.6	9236.8	8197.6	7171.7	6265.4
2.5°	17674.2	16485.1	15254.4	14070.7	12846.4	11630.3	10487.6	9331.9	8279.3	7263.1	6348.2
0°	17812.1	16636.9	15374.4	14171.0	12970.4	11693.9	10572.0	9396.7	8314.2	7321.7	6391.0
-2.5°	17674.2	16485.1	15254.4	14070.7	12846.4	11630.3	10487.6	9331.9	8279.3	7263.1	6348.2
-5°	17446.4	16282.2	15094.4	13926.1	12709.9	11514.8	10363.6	9236.8	8197.6	7171.7	6265.4
-7.5°	17114.5	15983.8	14837.0	13686.3	12499.7	11329.2	10197.0	9113.9	8082.9	7084.8	6171.0
-10°	16689.0	15605.0	14500.6	13360.3	12208.4	11064.3	9973.9	8931.3	7919.5	6949.6	6039.6
-12.5°	16165.2	15122.9	14060.0	12948.2	11842.3	10747.0	9706.3	8689.7	7710.2	6764.6	5872.9
-15°	15524.2	14540.7	13526.8	12472.1	11418.0	10382.7	9383.6	8390.2	7450.2	6532.2	5672.5
-17.5°	14818.1	13891.4	12937.9	11929.4	10937.7	9970.8	9004.0	8057.9	7152.8	6271.5	5435.0
-20°	14053.5	13178.8	12271.8	11338.0	10409.3	9499.4	8565.0	7680.4	6821.2	5978.2	5167.3



REPORT NUMBER: P559131 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-940-U-WR-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	13187.7	12393.5	11552.8	10690.4	9851.6	8968.6	8100.3	7268.3	6454.8	5640.8	4871.7
-25°	12283.9	11574.3	10809.7	10028.2	9228.4	8389.7	7611.7	6828.2	6048.3	5280.2	4553.7
-27.5°	11376.3	10728.7	10039.3	9309.0	8546.4	7826.9	7094.4	6349.2	5608.1	4901.4	4228.5
-30°	10456.3	9860.2	9226.5	8554.4	7887.6	7216.8	6535.4	5847.8	5159.4	4495.8	3868.9
-32.5°	9519.4	8981.3	8399.6	7810.7	7198.7	6571.7	5952.8	5325.8	4683.1	4085.5	3480.9
-35°	8589.8	8099.1	7579.7	7048.1	6482.6	5925.6	5354.5	4776.8	4214.1	3653.7	3076.4
-37.5°	7668.7	7224.8	6776.0	6289.2	5787.2	5275.5	4757.2	4248.8	3734.4	3209.6	2605.5
-40°	6782.7	6395.9	5983.3	5541.4	5100.9	4635.1	4191.3	3729.7	3248.2	2711.1	2087.3
-42.5°	5918.7	5569.5	5207.9	4835.8	4439.1	4047.0	3635.3	3196.4	2701.5	2133.0	1579.5
-45°	5104.3	4815.3	4492.9	4160.1	3813.5	3444.8	3056.0	2588.1	2072.5	1577.3	1066.1
-47.5°	4350.4	4081.8	3794.2	3488.4	3165.2	2805.6	2370.9	1914.9	1486.1	1055.7	867.8
-50°	3573.3	3327.7	3068.4	2784.7	2434.2	2053.8	1682.4	1312.0	1009.4	836.7	698.8
-52.5°	2752.9	2517.0	2254.0	1965.1	1671.4	1359.1	1050.9	920.1	769.8	677.2	608.4
-55°	1868.5	1672.6	1463.4	1221.6	995.4	894.5	782.4	694.2	639.7	577.3	536.1
-57.5°	1114.9	979.4	900.2	812.5	716.7	663.5	625.0	580.6	542.8	505.7	471.3
-60°	749.0	679.7	651.1	619.7	584.3	549.5	526.2	497.8	464.3	437.7	410.4
-62.5°	572.1	561.3	533.1	507.3	488.4	474.0	446.6	417.4	394.7	374.9	348.2
-65°	435.0	414.0	400.6	399.7	389.2	367.7	346.4	336.1	324.5	305.1	284.6
-67.5°	346.4	336.1	326.9	314.2	303.7	292.6	286.8	276.1	261.9	244.5	232.7
-70°	288.5	281.8	274.3	266.2	257.8	248.5	238.5	226.0	210.3	193.5	183.9
-72.5°	238.9	234.7	229.2	222.0	213.9	205.8	195.8	183.0	168.1	150.9	137.5
-75°	197.6	195.4	192.1	185.5	178.0	169.6	159.3	143.8	124.5	101.0	84.6
-77.5°	151.7	151.4	150.3	144.9	140.1	136.1	128.3	105.7	83.8	64.4	54.7
-80°	95.0	99.8	102.9	99.7	95.5	90.4	82.7	67.7	54.6	43.7	36.9
-82.5°	55.1	56.7	57.2	53.7	50.4	47.4	44.1	36.9	30.3	24.4	19.9
-85°	15.2	14.7	14.3	15.4	16.2	16.9	17.1	15.0	13.1	11.6	10.3
-87.5°	2.6	2.6	2.5	2.5	2.4	2.4	2.3	2.8	3.2	3.6	4.0
-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: P559131 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-940-U-WR-XX

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.8	3.6	3.4	3.2	3.4	3.5	3.6	3.5	3.2	2.9	2.5
85°	10.3	10.0	9.4	8.5	7.9	7.0	7.1	7.1	6.4	5.7	5.0
82.5°	19.9	20.1	20.2	19.9	19.8	19.0	17.8	15.9	12.4	9.0	7.6
80°	41.3	43.6	43.6	41.0	35.9	31.2	29.9	27.6	22.8	18.1	13.5
77.5°	63.0	69.0	72.7	71.2	63.5	56.0	48.8	41.2	33.0	27.0	21.2
75°	86.3	94.1	100.1	100.0	91.8	80.7	71.0	60.8	48.8	36.5	28.7
72.5°	130.5	127.4	128.4	129.0	122.0	111.3	97.0	80.3	66.3	52.2	37.8
70°	175.1	163.5	155.7	154.3	150.6	142.8	128.5	106.9	83.9	67.7	51.4
67.5°	222.0	210.4	195.4	182.3	177.5	170.6	159.7	134.4	107.2	83.0	64.8
65°	270.2	256.3	242.1	223.0	208.4	198.6	187.4	160.4	129.7	101.9	78.0
62.5°	322.7	300.1	282.0	261.2	241.4	226.4	214.5	185.3	151.7	119.9	92.2
60°	380.5	351.5	322.0	297.3	273.7	252.6	235.6	210.3	175.4	137.0	106.4
57.5°	439.1	403.7	367.0	334.2	306.5	280.1	255.7	231.2	199.1	157.9	119.2
55°	497.9	458.5	411.9	371.9	338.9	309.6	277.6	250.2	221.5	179.8	129.1
52.5°	554.8	510.0	460.2	410.6	370.2	337.1	301.7	269.1	238.9	201.5	143.7
50°	624.3	559.5	507.0	453.3	401.1	362.3	324.3	289.0	256.3	221.3	157.4
47.5°	704.7	622.6	553.4	494.9	438.5	387.1	346.9	307.9	273.5	236.8	169.3
45°	865.1	694.5	607.6	537.8	473.9	417.1	369.3	325.5	289.1	243.5	179.3
42.5°	1048.3	828.5	671.3	580.2	512.0	447.1	391.1	344.9	303.6	247.8	184.9
40°	1489.2	995.9	757.2	636.8	550.2	475.1	415.9	364.1	315.8	250.5	187.1
37.5°	1942.2	1306.6	908.1	691.7	590.9	509.3	439.3	382.6	321.1	253.2	187.7
35°	2401.8	1712.8	1055.9	790.8	639.7	542.5	460.7	401.0	332.9	255.8	186.7
32.5°	2838.1	2105.0	1395.2	922.0	686.6	574.5	485.9	419.5	347.8	258.4	184.2
30°	3212.3	2485.9	1731.3	1047.2	751.9	614.3	513.7	436.9	365.7	260.9	181.5
27.5°	3552.8	2841.7	2047.3	1290.0	860.0	652.6	539.9	453.2	386.1	267.3	182.0
25°	3866.0	3145.3	2352.3	1556.3	961.4	689.0	563.7	468.7	402.4	281.1	182.1
22.5°	4142.6	3415.4	2631.3	1798.8	1052.9	724.4	589.4	488.5	414.7	295.7	181.7
20°	4390.9	3660.9	2884.9	2022.8	1203.4	800.2	617.0	506.1	425.9	310.8	180.7
17.5°	4614.3	3874.4	3098.0	2235.2	1383.2	867.2	642.3	521.4	436.0	325.9	179.0
15°	4832.3	4055.7	3278.9	2423.1	1541.6	925.2	665.0	534.6	444.9	340.7	178.1
12.5°	5015.5	4210.7	3431.6	2585.5	1677.8	974.3	684.9	545.5	452.5	353.8	176.9
10°	5162.5	4338.7	3555.7	2721.3	1791.0	1014.3	701.9	553.7	458.4	364.6	173.4
7.5°	5273.4	4438.8	3651.5	2829.8	1880.6	1047.2	712.7	558.4	463.1	373.3	167.8
5°	5353.3	4514.4	3721.3	2910.0	1945.3	1074.1	719.6	560.9	466.6	379.4	160.7
2.5°	5419.4	4567.4	3765.0	2961.4	1984.8	1092.6	722.9	561.2	468.8	382.6	152.5
0°	5451.9	4591.5	3781.7	2983.2	1999.1	1102.2	722.6	559.5	469.6	382.4	143.4
-2.5°	5419.4	4567.4	3765.0	2961.4	1984.8	1092.6	722.9	561.2	468.8	382.6	152.5
-5°	5353.3	4514.4	3721.3	2910.0	1945.3	1074.1	719.6	560.9	466.6	379.4	160.7
-7.5°	5273.4	4438.8	3651.5	2829.8	1880.6	1047.2	712.7	558.4	463.1	373.3	167.8
-10°	5162.5	4338.7	3555.7	2721.3	1791.0	1014.3	701.9	553.7	458.4	364.6	173.4
-12.5°	5015.5	4210.7	3431.6	2585.5	1677.8	974.3	684.9	545.5	452.5	353.8	176.9
-15°	4832.3	4055.7	3278.9	2423.1	1541.6	925.2	665.0	534.6	444.9	340.7	178.1
-17.5°	4614.3	3874.4	3098.0	2235.2	1383.2	867.2	642.3	521.4	436.0	325.9	179.0
-20°	4390.9	3660.9	2884.9	2022.8	1203.4	800.2	617.0	506.1	425.9	310.8	180.7



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**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	4142.6	3415.4	2631.3	1798.8	1052.9	724.4	589.4	488.5	414.7	295.7	181.7
-25°	3866.0	3145.3	2352.3	1556.3	961.4	689.0	563.7	468.7	402.4	281.1	182.1
-27.5°	3552.8	2841.7	2047.3	1290.0	860.0	652.6	539.9	453.2	386.1	267.3	182.0
-30°	3212.3	2485.9	1731.3	1047.2	751.9	614.3	513.7	436.9	365.7	260.9	181.5
-32.5°	2838.1	2105.0	1395.2	922.0	686.6	574.5	485.9	419.5	347.8	258.4	184.2
-35°	2401.8	1712.8	1055.9	790.8	639.7	542.5	460.7	401.0	332.9	255.8	186.7
-37.5°	1942.2	1306.6	908.1	691.7	590.9	509.3	439.3	382.6	321.1	253.2	187.7
-40°	1489.2	995.9	757.2	636.8	550.2	475.1	415.9	364.1	315.8	250.5	187.1
-42.5°	1048.3	828.5	671.3	580.2	512.0	447.1	391.1	344.9	303.6	247.8	184.9
-45°	865.1	694.5	607.6	537.8	473.9	417.1	369.3	325.5	289.1	243.5	179.3
-47.5°	704.7	622.6	553.4	494.9	438.5	387.1	346.9	307.9	273.5	236.8	169.3
-50°	624.3	559.5	507.0	453.3	401.1	362.3	324.3	289.0	256.3	221.3	157.4
-52.5°	554.8	510.0	460.2	410.6	370.2	337.1	301.7	269.1	238.9	201.5	143.7
-55°	497.9	458.5	411.9	371.9	338.9	309.6	277.6	250.2	221.5	179.8	129.1
-57.5°	439.1	403.7	367.0	334.2	306.5	280.1	255.7	231.2	199.1	157.9	119.2
-60°	380.5	351.5	322.0	297.3	273.7	252.6	235.6	210.3	175.4	137.0	106.4
-62.5°	322.7	300.1	282.0	261.2	241.4	226.4	214.5	185.3	151.7	119.9	92.2
-65°	270.2	256.3	242.1	223.0	208.4	198.6	187.4	160.4	129.7	101.9	78.0
-67.5°	222.0	210.4	195.4	182.3	177.5	170.6	159.7	134.4	107.2	83.0	64.8
-70°	175.1	163.5	155.7	154.3	150.6	142.8	128.5	106.9	83.9	67.7	51.4
-72.5°	130.5	127.4	128.4	129.0	122.0	111.3	97.0	80.3	66.3	52.2	37.8
-75°	86.3	94.1	100.1	100.0	91.8	80.7	71.0	60.8	48.8	36.5	28.7
-77.5°	63.0	69.0	72.7	71.2	63.5	56.0	48.8	41.2	33.0	27.0	21.2
-80°	41.3	43.6	43.6	41.0	35.9	31.2	29.9	27.6	22.8	18.1	13.5
-82.5°	19.9	20.1	20.2	19.9	19.8	19.0	17.8	15.9	12.4	9.0	7.6
-85°	10.3	10.0	9.4	8.5	7.9	7.0	7.1	7.1	6.4	5.7	5.0
-87.5°	3.8	3.6	3.4	3.2	3.4	3.5	3.6	3.5	3.2	2.9	2.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.2	1.8	1.5	1.1	0.7	0.4	0.0
85°	4.3	3.6	2.9	2.2	1.5	0.7	0.0
82.5°	6.5	5.4	4.4	3.3	2.2	1.1	0.0
80°	9.2	7.2	5.8	4.4	2.9	1.5	0.0
77.5°	15.5	10.0	7.2	5.4	3.6	1.8	0.0
75°	21.6	14.4	8.9	6.5	4.3	2.2	0.0
72.5°	27.5	18.8	11.9	7.6	5.0	2.5	0.0
70°	33.9	22.9	14.7	8.7	5.7	2.9	0.0
67.5°	44.2	26.9	17.4	10.4	6.4	3.2	0.0
65°	53.9	32.1	20.0	12.1	7.1	3.5	0.0
62.5°	62.9	38.5	22.5	13.6	7.7	3.9	0.0
60°	71.2	44.3	24.7	15.1	8.4	4.2	0.0
57.5°	79.5	49.6	28.2	16.4	9.2	4.5	0.0
55°	86.9	54.3	31.3	17.7	10.1	4.8	0.0
52.5°	93.3	58.4	34.1	18.8	10.8	5.1	0.0
50°	98.6	62.3	36.5	19.8	11.6	5.4	0.0
47.5°	103.5	65.4	38.5	20.8	12.4	5.7	0.0
45°	111.9	67.8	40.0	21.9	13.1	5.9	0.0
42.5°	118.8	69.3	41.1	22.8	13.8	6.2	0.0
40°	124.4	70.1	41.9	23.8	14.4	6.4	0.0
37.5°	128.6	70.1	42.2	25.0	15.0	6.7	0.0
35°	131.4	71.7	42.1	26.1	15.6	6.9	0.0
32.5°	131.9	73.6	41.5	27.1	16.2	7.1	0.0
30°	129.5	74.6	40.4	28.0	16.7	7.3	0.0
27.5°	125.9	74.6	41.5	28.9	17.1	7.5	0.0
25°	121.4	73.8	42.7	29.7	17.6	7.6	0.0
22.5°	115.9	73.7	43.9	30.5	18.0	7.8	0.0
20°	109.4	77.2	45.0	31.2	18.3	7.9	0.0
17.5°	108.3	80.2	46.1	31.7	18.7	8.0	0.0
15°	110.5	82.9	47.0	32.3	18.9	8.1	0.0
12.5°	112.4	85.1	47.9	32.7	19.2	8.2	0.0
10°	114.1	86.9	48.6	33.1	19.4	8.3	0.0
7.5°	115.6	88.2	49.3	33.3	19.5	8.3	0.0
5°	116.7	89.2	49.9	33.5	19.6	8.4	0.0
2.5°	117.6	89.8	50.3	33.7	19.7	8.4	0.0
0°	118.1	90.0	50.6	33.7	19.7	8.4	0.0
-2.5°	117.6	89.8	50.3	33.7	19.7	8.4	0.0
-5°	116.7	89.2	49.9	33.5	19.6	8.4	0.0
-7.5°	115.6	88.2	49.3	33.3	19.5	8.3	0.0
-10°	114.1	86.9	48.6	33.1	19.4	8.3	0.0
-12.5°	112.4	85.1	47.9	32.7	19.2	8.2	0.0
-15°	110.5	82.9	47.0	32.3	18.9	8.1	0.0
-17.5°	108.3	80.2	46.1	31.7	18.7	8.0	0.0
-20°	109.4	77.2	45.0	31.2	18.3	7.9	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	115.9	73.7	43.9	30.5	18.0	7.8	0.0
-25°	121.4	73.8	42.7	29.7	17.6	7.6	0.0
-27.5°	125.9	74.6	41.5	28.9	17.1	7.5	0.0
-30°	129.5	74.6	40.4	28.0	16.7	7.3	0.0
-32.5°	131.9	73.6	41.5	27.1	16.2	7.1	0.0
-35°	131.4	71.7	42.1	26.1	15.6	6.9	0.0
-37.5°	128.6	70.1	42.2	25.0	15.0	6.7	0.0
-40°	124.4	70.1	41.9	23.8	14.4	6.4	0.0
-42.5°	118.8	69.3	41.1	22.8	13.8	6.2	0.0
-45°	111.9	67.8	40.0	21.9	13.1	5.9	0.0
-47.5°	103.5	65.4	38.5	20.8	12.4	5.7	0.0
-50°	98.6	62.3	36.5	19.8	11.6	5.4	0.0
-52.5°	93.3	58.4	34.1	18.8	10.8	5.1	0.0
-55°	86.9	54.3	31.3	17.7	10.1	4.8	0.0
-57.5°	79.5	49.6	28.2	16.4	9.2	4.5	0.0
-60°	71.2	44.3	24.7	15.1	8.4	4.2	0.0
-62.5°	62.9	38.5	22.5	13.6	7.7	3.9	0.0
-65°	53.9	32.1	20.0	12.1	7.1	3.5	0.0
-67.5°	44.2	26.9	17.4	10.4	6.4	3.2	0.0
-70°	33.9	22.9	14.7	8.7	5.7	2.9	0.0
-72.5°	27.5	18.8	11.9	7.6	5.0	2.5	0.0
-75°	21.6	14.4	8.9	6.5	4.3	2.2	0.0
-77.5°	15.5	10.0	7.2	5.4	3.6	1.8	0.0
-80°	9.2	7.2	5.8	4.4	2.9	1.5	0.0
-82.5°	6.5	5.4	4.4	3.3	2.2	1.1	0.0
-85°	4.3	3.6	2.9	2.2	1.5	0.7	0.0
-87.5°	2.2	1.8	1.5	1.1	0.7	0.4	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)