

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: P627181 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA3C-750-U-VWR-XX**

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P627181 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-17)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 12/7/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GFLD-SA3C-750-U-VWR-XX  
Description: GALLEON FLOOD, THREE LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N82  
Light Source: (48) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

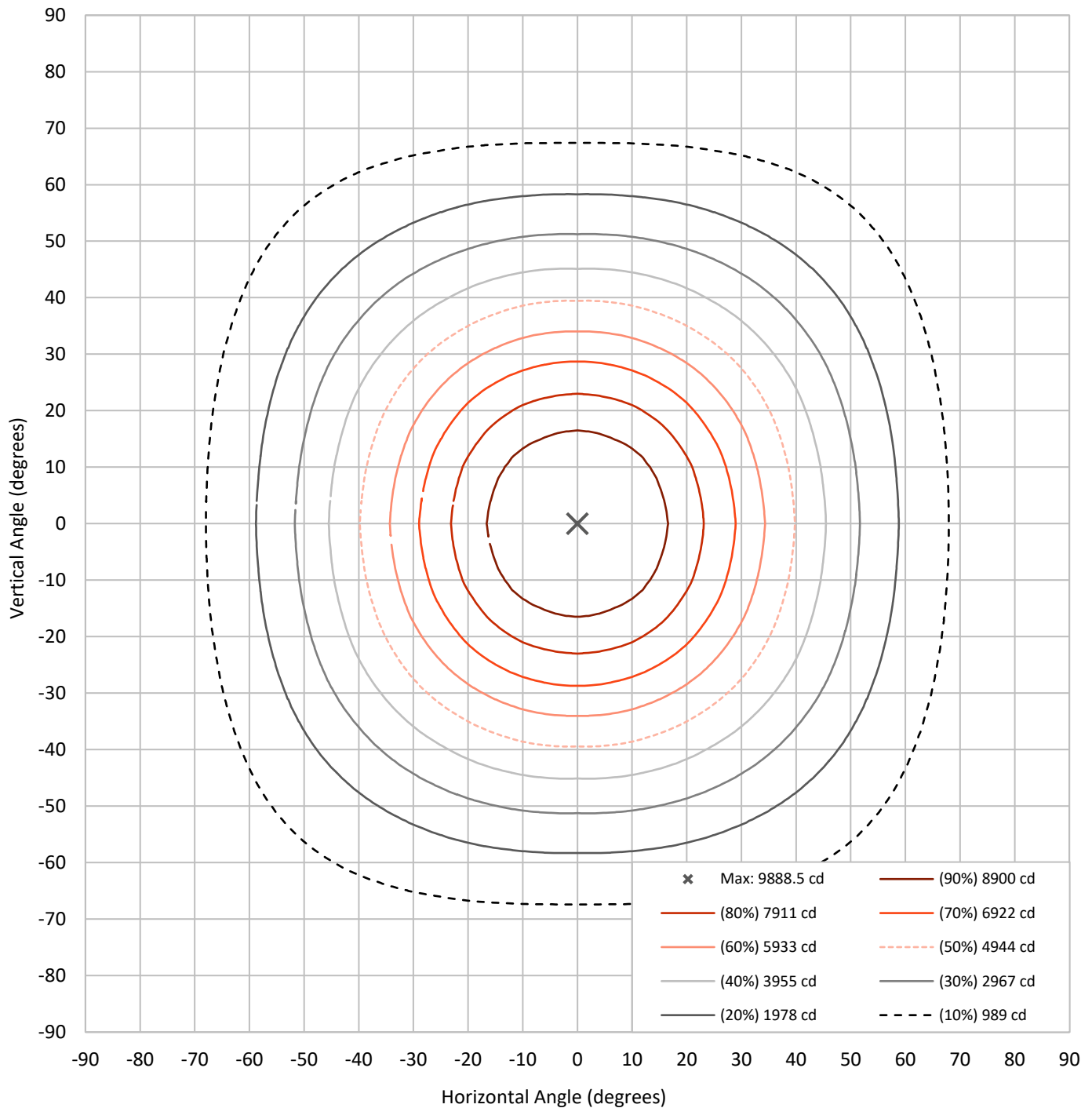
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	17872.5 lumens	Max Intensity:	9888.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	146.9 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')		
Beam Angle (50%):	79.6°H x 78.9°V	Field Angle (10%):	135.9°H x 134.8°V
Beam Lumens:	10482.3 lumens	Field Lumens:	17038.4 lumens
Beam Efficiency:	58.7%	Field Efficiency:	95.3%
Input Watts (W):	121.7		
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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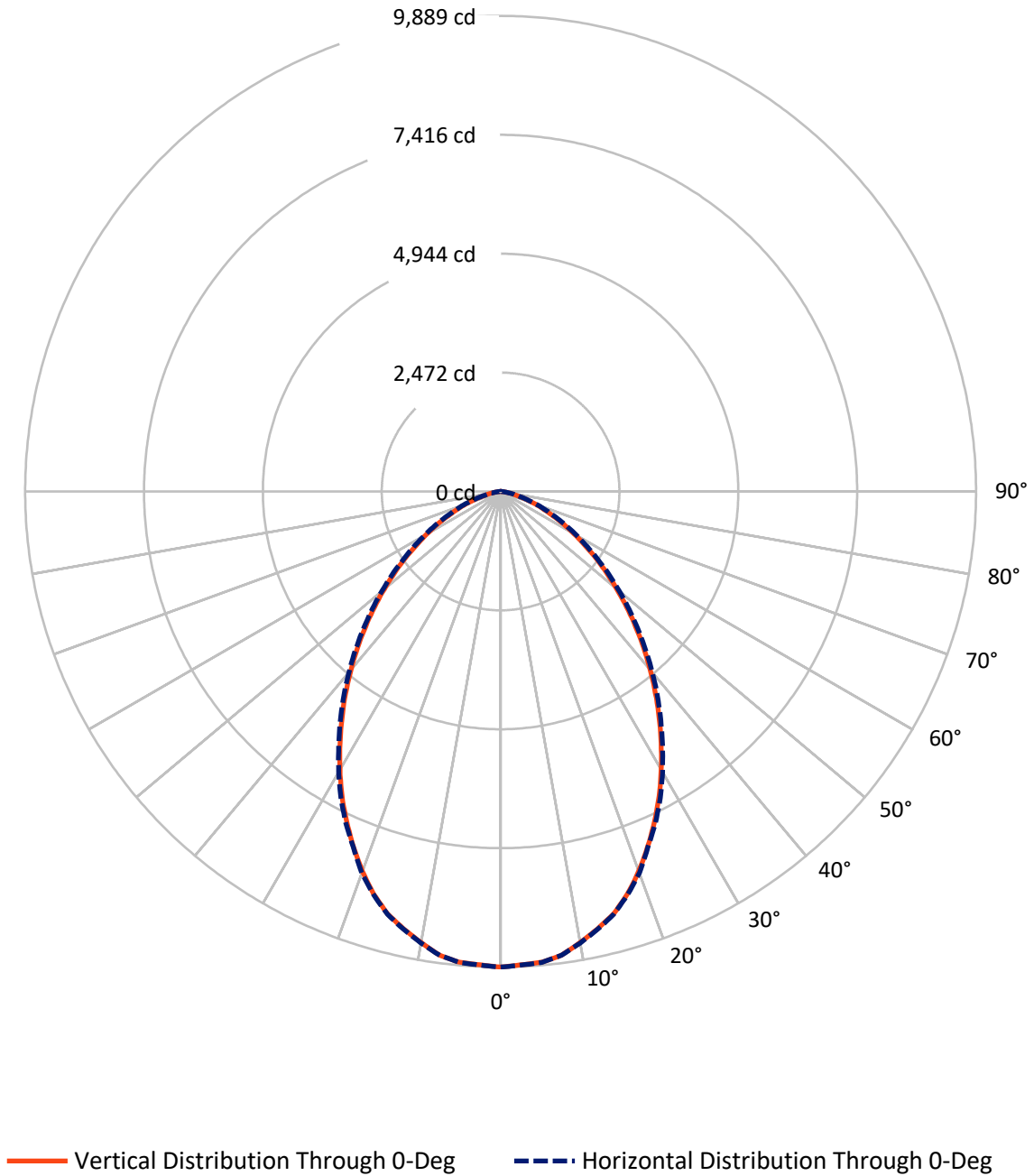
### Iso-Candela Plot





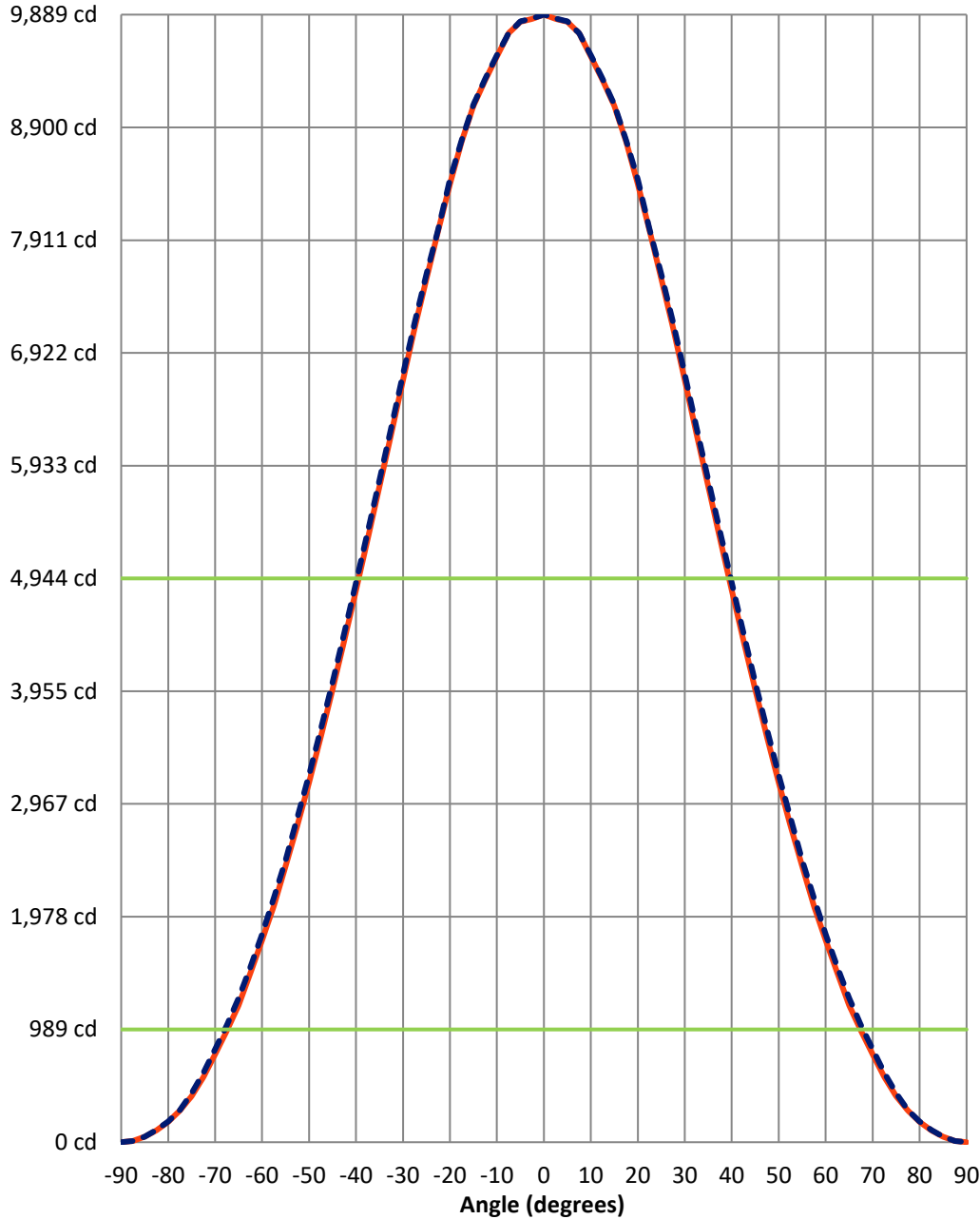
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 79.6°  
 V Angle: 78.9°  
 Lumens: 10482.3  
 Efficiency: 58.7%

**Field:**  
 H Angle: 135.9°  
 V Angle: 134.8°  
 Lumens: 17038.4  
 Efficiency: 95.3%

**Spill:**  
 Lumens: 834.1  
 Efficiency: 4.7%

— Vertical Distribution through 0-Deg  
 - - Horizontal Distribution through 0-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	0.6	1.3	1.9	2.6	3.2	3.8	4.4	5.1	5.7	6.3
85°	0.0	1.1	2.6	3.9	5.1	6.4	7.7	8.9	10.1	11.3	12.5
82.5°	0.0	1.7	3.9	5.8	7.7	9.6	11.5	13.3	16.7	26.3	35.5
80°	0.0	2.2	5.1	7.7	10.2	12.8	17.3	30.7	43.7	56.2	68.1
77.5°	0.0	2.8	6.4	9.6	12.8	20.0	37.6	54.6	70.6	85.9	104.9
75°	0.0	3.3	7.6	11.5	16.6	34.6	57.5	78.3	98.3	125.7	154.9
72.5°	0.0	3.9	8.8	13.3	26.5	48.8	76.8	103.8	135.1	168.5	203.9
70°	0.0	4.4	10.0	16.0	36.1	62.6	96.0	134.3	171.2	210.5	256.5
67.5°	0.0	4.9	11.1	21.9	45.3	75.7	119.1	164.1	206.5	256.1	308.9
65°	0.0	5.4	12.2	27.6	54.1	90.4	141.2	193.1	244.6	300.4	357.9
62.5°	0.0	5.9	13.3	33.0	62.4	106.5	162.1	223.4	281.4	342.8	401.7
60°	0.0	6.3	14.3	38.1	70.2	121.7	181.9	253.5	316.9	382.4	445.0
57.5°	0.0	6.8	17.2	42.9	80.6	136.0	202.7	281.6	351.8	421.3	486.0
55°	0.0	7.2	20.0	47.5	90.5	149.3	222.4	305.8	386.2	458.9	525.3
52.5°	0.0	7.6	22.7	51.6	99.8	161.9	240.6	331.0	419.9	493.5	563.6
50°	0.0	8.0	25.3	55.4	108.3	175.3	257.3	354.9	451.8	527.1	607.5
47.5°	0.0	8.4	27.8	59.4	116.0	187.5	273.0	377.2	480.6	559.6	650.6
45°	0.0	8.8	30.1	64.5	123.0	198.6	290.5	397.7	503.1	596.4	691.8
42.5°	0.0	9.1	32.4	69.2	129.2	208.4	306.4	416.5	524.6	631.6	740.3
40°	0.0	9.4	34.5	73.9	135.4	217.0	320.9	434.4	546.9	664.6	787.5
37.5°	0.0	9.7	36.4	78.6	141.5	224.3	333.9	451.3	572.0	695.9	831.8
35°	0.0	10.0	38.2	83.0	146.8	232.8	345.4	467.3	596.5	731.9	876.5
32.5°	0.0	10.2	39.9	87.1	151.2	241.3	356.0	482.2	620.3	766.5	923.7
30°	0.0	10.4	41.4	90.8	154.7	248.5	367.0	497.1	643.2	799.6	967.9
27.5°	0.0	10.6	42.8	94.1	160.0	254.5	376.9	514.5	666.7	831.0	1008.9
25°	0.0	10.8	44.1	97.2	165.0	259.2	385.6	530.6	691.3	863.0	1046.9
22.5°	0.0	10.9	45.2	99.8	169.4	264.0	393.0	545.3	714.0	893.2	1087.3
20°	0.0	11.0	46.1	102.1	173.2	270.6	399.2	558.6	734.5	920.3	1123.5
17.5°	0.0	11.1	46.9	104.0	176.3	276.0	406.9	570.3	752.8	944.0	1155.4
15°	0.0	11.2	47.5	105.6	178.9	280.1	414.9	581.4	768.7	964.4	1183.0
12.5°	0.0	11.2	48.0	106.8	180.8	283.1	421.4	591.9	783.1	981.3	1206.0
10°	0.0	11.2	48.3	107.6	182.2	285.0	426.4	599.9	795.5	997.1	1225.5
7.5°	0.0	11.2	48.5	108.1	182.9	285.8	429.7	605.6	805.1	1009.9	1242.2
5°	0.0	11.2	48.6	108.3	183.1	285.5	431.5	608.8	811.6	1019.2	1254.3
2.5°	0.0	11.2	48.5	108.1	182.6	284.1	431.5	609.5	815.1	1024.8	1261.5
0°	0.0	11.1	48.2	107.5	181.6	281.7	429.9	607.8	815.4	1026.7	1263.9
-2.5°	0.0	11.2	48.5	108.1	182.6	284.1	431.5	609.5	815.1	1024.8	1261.5
-5°	0.0	11.2	48.6	108.3	183.1	285.5	431.5	608.8	811.6	1019.2	1254.3
-7.5°	0.0	11.2	48.5	108.1	182.9	285.8	429.7	605.6	805.1	1009.9	1242.2
-10°	0.0	11.2	48.3	107.6	182.2	285.0	426.4	599.9	795.5	997.1	1225.5
-12.5°	0.0	11.2	48.0	106.8	180.8	283.1	421.4	591.9	783.1	981.3	1206.0
-15°	0.0	11.2	47.5	105.6	178.9	280.1	414.9	581.4	768.7	964.4	1183.0
-17.5°	0.0	11.1	46.9	104.0	176.3	276.0	406.9	570.3	752.8	944.0	1155.4
-20°	0.0	11.0	46.1	102.1	173.2	270.6	399.2	558.6	734.5	920.3	1123.5

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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	10.9	45.2	99.8	169.4	264.0	393.0	545.3	714.0	893.2	1087.3
-25°	0.0	10.8	44.1	97.2	165.0	259.2	385.6	530.6	691.3	863.0	1046.9
-27.5°	0.0	10.6	42.8	94.1	160.0	254.5	376.9	514.5	666.7	831.0	1008.9
-30°	0.0	10.4	41.4	90.8	154.7	248.5	367.0	497.1	643.2	799.6	967.9
-32.5°	0.0	10.2	39.9	87.1	151.2	241.3	356.0	482.2	620.3	766.5	923.7
-35°	0.0	10.0	38.2	83.0	146.8	232.8	345.4	467.3	596.5	731.9	876.5
-37.5°	0.0	9.7	36.4	78.6	141.5	224.3	333.9	451.3	572.0	695.9	831.8
-40°	0.0	9.4	34.5	73.9	135.4	217.0	320.9	434.4	546.9	664.6	787.5
-42.5°	0.0	9.1	32.4	69.2	129.2	208.4	306.4	416.5	524.6	631.6	740.3
-45°	0.0	8.8	30.1	64.5	123.0	198.6	290.5	397.7	503.1	596.4	691.8
-47.5°	0.0	8.4	27.8	59.4	116.0	187.5	273.0	377.2	480.6	559.6	650.6
-50°	0.0	8.0	25.3	55.4	108.3	175.3	257.3	354.9	451.8	527.1	607.5
-52.5°	0.0	7.6	22.7	51.6	99.8	161.9	240.6	331.0	419.9	493.5	563.6
-55°	0.0	7.2	20.0	47.5	90.5	149.3	222.4	305.8	386.2	458.9	525.3
-57.5°	0.0	6.8	17.2	42.9	80.6	136.0	202.7	281.6	351.8	421.3	486.0
-60°	0.0	6.3	14.3	38.1	70.2	121.7	181.9	253.5	316.9	382.4	445.0
-62.5°	0.0	5.9	13.3	33.0	62.4	106.5	162.1	223.4	281.4	342.8	401.7
-65°	0.0	5.4	12.2	27.6	54.1	90.4	141.2	193.1	244.6	300.4	357.9
-67.5°	0.0	4.9	11.1	21.9	45.3	75.7	119.1	164.1	206.5	256.1	308.9
-70°	0.0	4.4	10.0	16.0	36.1	62.6	96.0	134.3	171.2	210.5	256.5
-72.5°	0.0	3.9	8.8	13.3	26.5	48.8	76.8	103.8	135.1	168.5	203.9
-75°	0.0	3.3	7.6	11.5	16.6	34.6	57.5	78.3	98.3	125.7	154.9
-77.5°	0.0	2.8	6.4	9.6	12.8	20.0	37.6	54.6	70.6	85.9	104.9
-80°	0.0	2.2	5.1	7.7	10.2	12.8	17.3	30.7	43.7	56.2	68.1
-82.5°	0.0	1.7	3.9	5.8	7.7	9.6	11.5	13.3	16.7	26.3	35.5
-85°	0.0	1.1	2.6	3.9	5.1	6.4	7.7	8.9	10.1	11.3	12.5
-87.5°	0.0	0.6	1.3	1.9	2.6	3.2	3.8	4.4	5.1	5.7	6.3
-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-SA3C-750-U-VWR-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°	7.3	8.3	9.4	10.6	10.7	10.7	10.6	10.5	10.9	11.3	11.7
85°	14.5	16.6	23.1	29.3	32.3	34.2	35.0	34.9	40.6	47.2	54.3
82.5°	45.1	54.4	63.3	71.7	73.9	73.9	73.2	73.4	86.8	102.0	117.7
80°	80.3	92.1	107.8	121.6	127.6	130.7	132.1	131.9	148.8	171.2	194.9
77.5°	127.4	147.3	164.5	179.2	187.1	194.1	199.8	204.1	225.8	254.2	282.4
75°	181.1	202.8	224.4	243.3	256.5	266.3	275.4	290.0	318.4	351.6	380.4
72.5°	237.7	265.5	289.6	310.0	328.5	348.2	370.2	394.3	424.3	457.3	487.5
70°	298.1	328.7	353.9	378.6	403.8	433.2	466.2	498.7	532.1	568.6	603.8
67.5°	357.3	386.7	416.5	447.6	485.3	524.7	563.7	608.5	654.4	694.9	731.2
65°	408.6	443.2	480.4	522.6	569.3	619.3	671.4	725.1	783.3	831.9	876.3
62.5°	457.7	499.3	544.5	597.1	656.5	715.8	782.3	849.5	914.9	972.3	1025.4
60°	502.9	553.3	610.5	674.9	744.3	823.2	898.8	975.3	1047.0	1112.0	1179.1
57.5°	546.9	610.3	678.9	756.3	844.1	932.6	1021.5	1103.8	1185.0	1264.2	1340.0
55°	593.5	669.8	751.4	846.4	945.4	1050.1	1145.8	1237.7	1327.2	1423.3	1514.6
52.5°	644.7	730.0	832.1	938.5	1052.8	1165.1	1270.4	1374.9	1483.1	1591.9	1710.7
50°	694.1	800.5	912.4	1036.1	1159.5	1280.0	1400.6	1521.0	1650.6	1784.0	1918.7
47.5°	751.9	867.9	1000.2	1132.8	1267.7	1401.7	1536.1	1681.6	1828.8	1983.6	2132.7
45°	810.4	940.8	1083.3	1233.3	1379.2	1527.5	1684.7	1845.5	2018.2	2188.3	2367.6
42.5°	865.8	1013.2	1170.3	1332.3	1494.5	1660.3	1833.1	2021.0	2209.7	2405.9	2602.9
40°	927.1	1082.1	1255.3	1433.7	1609.8	1793.5	1991.0	2194.6	2408.0	2623.7	2837.8
37.5°	986.1	1156.5	1338.5	1530.5	1728.1	1930.1	2144.6	2375.6	2607.0	2839.3	3075.3
35°	1041.4	1227.0	1424.2	1628.0	1837.6	2067.3	2307.0	2553.7	2804.5	3055.6	3309.5
32.5°	1098.2	1293.5	1506.0	1724.2	1955.1	2201.4	2464.1	2731.3	2998.4	3266.6	3544.5
30°	1155.2	1363.2	1585.3	1815.1	2067.7	2336.1	2618.4	2901.5	3184.0	3479.1	3775.2
27.5°	1209.0	1429.4	1663.2	1909.2	2175.7	2460.8	2760.6	3063.8	3368.5	3682.2	3998.1
25°	1258.6	1492.0	1735.5	1999.6	2282.1	2580.8	2893.1	3209.5	3543.6	3879.4	4209.2
22.5°	1306.9	1549.6	1802.5	2082.9	2378.5	2692.2	3017.4	3351.6	3700.7	4061.2	4402.5
20°	1353.4	1604.4	1867.7	2158.5	2464.8	2792.5	3130.4	3480.3	3846.6	4216.8	4583.9
17.5°	1394.7	1653.1	1928.3	2229.0	2547.2	2884.2	3232.2	3593.6	3976.2	4359.9	4749.0
15°	1430.7	1695.6	1980.9	2290.6	2620.1	2967.6	3326.7	3698.4	4090.9	4490.4	4894.8
12.5°	1461.1	1731.5	2025.1	2343.0	2681.9	3039.1	3407.9	3792.7	4195.7	4606.4	5022.6
10°	1485.8	1760.7	2060.9	2385.8	2732.4	3098.2	3474.7	3870.4	4285.5	4705.1	5130.0
7.5°	1506.8	1785.2	2089.3	2418.8	2771.3	3144.5	3526.8	3931.0	4357.0	4782.1	5216.4
5°	1522.1	1804.9	2115.4	2446.5	2805.2	3180.6	3566.2	3974.2	4409.3	4836.9	5279.0
2.5°	1531.3	1817.8	2133.2	2464.4	2831.8	3207.7	3601.3	4012.4	4447.6	4880.4	5326.0
0°	1534.4	1823.5	2142.3	2472.1	2846.5	3220.8	3621.1	4032.5	4466.1	4907.2	5355.6
-2.5°	1531.3	1817.8	2133.2	2464.4	2831.8	3207.7	3601.3	4012.4	4447.6	4880.4	5326.0
-5°	1522.1	1804.9	2115.4	2446.5	2805.2	3180.6	3566.2	3974.2	4409.3	4836.9	5279.0
-7.5°	1506.8	1785.2	2089.3	2418.8	2771.3	3144.5	3526.8	3931.0	4357.0	4782.1	5216.4
-10°	1485.8	1760.7	2060.9	2385.8	2732.4	3098.2	3474.7	3870.4	4285.5	4705.1	5130.0
-12.5°	1461.1	1731.5	2025.1	2343.0	2681.9	3039.1	3407.9	3792.7	4195.7	4606.4	5022.6
-15°	1430.7	1695.6	1980.9	2290.6	2620.1	2967.6	3326.7	3698.4	4090.9	4490.4	4894.8
-17.5°	1394.7	1653.1	1928.3	2229.0	2547.2	2884.2	3232.2	3593.6	3976.2	4359.9	4749.0
-20°	1353.4	1604.4	1867.7	2158.5	2464.8	2792.5	3130.4	3480.3	3846.6	4216.8	4583.9

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Scaled Data Report



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CATALOG NUMBER: GFLD-SA3C-750-U-VWR-XX

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1306.9	1549.6	1802.5	2082.9	2378.5	2692.2	3017.4	3351.6	3700.7	4061.2	4402.5
-25°	1258.6	1492.0	1735.5	1999.6	2282.1	2580.8	2893.1	3209.5	3543.6	3879.4	4209.2
-27.5°	1209.0	1429.4	1663.2	1909.2	2175.7	2460.8	2760.6	3063.8	3368.5	3682.2	3998.1
-30°	1155.2	1363.2	1585.3	1815.1	2067.7	2336.1	2618.4	2901.5	3184.0	3479.1	3775.2
-32.5°	1098.2	1293.5	1506.0	1724.2	1955.1	2201.4	2464.1	2731.3	2998.4	3266.6	3544.5
-35°	1041.4	1227.0	1424.2	1628.0	1837.6	2067.3	2307.0	2553.7	2804.5	3055.6	3309.5
-37.5°	986.1	1156.5	1338.5	1530.5	1728.1	1930.1	2144.6	2375.6	2607.0	2839.3	3075.3
-40°	927.1	1082.1	1255.3	1433.7	1609.8	1793.5	1991.0	2194.6	2408.0	2623.7	2837.8
-42.5°	865.8	1013.2	1170.3	1332.3	1494.5	1660.3	1833.1	2021.0	2209.7	2405.9	2602.9
-45°	810.4	940.8	1083.3	1233.3	1379.2	1527.5	1684.7	1845.5	2018.2	2188.3	2367.6
-47.5°	751.9	867.9	1000.2	1132.8	1267.7	1401.7	1536.1	1681.6	1828.8	1983.6	2132.7
-50°	694.1	800.5	912.4	1036.1	1159.5	1280.0	1400.6	1521.0	1650.6	1784.0	1918.7
-52.5°	644.7	730.0	832.1	938.5	1052.8	1165.1	1270.4	1374.9	1483.1	1591.9	1710.7
-55°	593.5	669.8	751.4	846.4	945.4	1050.1	1145.8	1237.7	1327.2	1423.3	1514.6
-57.5°	546.9	610.3	678.9	756.3	844.1	932.6	1021.5	1103.8	1185.0	1264.2	1340.0
-60°	502.9	553.3	610.5	674.9	744.3	823.2	898.8	975.3	1047.0	1112.0	1179.1
-62.5°	457.7	499.3	544.5	597.1	656.5	715.8	782.3	849.5	914.9	972.3	1025.4
-65°	408.6	443.2	480.4	522.6	569.3	619.3	671.4	725.1	783.3	831.9	876.3
-67.5°	357.3	386.7	416.5	447.6	485.3	524.7	563.7	608.5	654.4	694.9	731.2
-70°	298.1	328.7	353.9	378.6	403.8	433.2	466.2	498.7	532.1	568.6	603.8
-72.5°	237.7	265.5	289.6	310.0	328.5	348.2	370.2	394.3	424.3	457.3	487.5
-75°	181.1	202.8	224.4	243.3	256.5	266.3	275.4	290.0	318.4	351.6	380.4
-77.5°	127.4	147.3	164.5	179.2	187.1	194.1	199.8	204.1	225.8	254.2	282.4
-80°	80.3	92.1	107.8	121.6	127.6	130.7	132.1	131.9	148.8	171.2	194.9
-82.5°	45.1	54.4	63.3	71.7	73.9	73.9	73.2	73.4	86.8	102.0	117.7
-85°	14.5	16.6	23.1	29.3	32.3	34.2	35.0	34.9	40.6	47.2	54.3
-87.5°	7.3	8.3	9.4	10.6	10.7	10.7	10.6	10.5	10.9	11.3	11.7
-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: P627181 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3C-750-U-VWR-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	12.1	12.5	12.8	13.1	13.4	13.7	13.9	14.1	14.3	13.6	12.8
85°	61.9	66.3	70.4	74.3	78.0	81.6	84.9	88.0	90.8	82.9	74.2
82.5°	133.7	144.4	154.6	164.8	174.9	177.4	178.2	177.8	176.4	162.6	147.3
80°	218.2	236.4	253.5	270.6	287.3	289.2	287.3	283.8	278.9	260.8	240.2
77.5°	310.5	333.4	353.4	371.8	388.4	391.6	391.1	390.3	388.9	370.4	348.0
75°	405.1	427.5	449.0	467.4	482.7	489.7	493.2	495.6	497.0	483.7	466.3
72.5°	514.8	538.0	557.1	574.9	590.0	600.9	608.8	614.7	618.7	614.7	607.6
70°	633.8	658.8	679.8	699.9	720.4	736.8	749.1	758.1	763.8	767.6	770.2
67.5°	767.8	801.3	830.6	855.5	880.3	903.4	922.5	938.1	950.1	960.3	968.2
65°	918.8	961.7	999.7	1034.5	1066.5	1100.1	1127.7	1150.9	1169.5	1184.9	1197.3
62.5°	1077.6	1130.1	1178.8	1226.2	1272.5	1318.2	1353.2	1385.2	1413.5	1437.9	1457.4
60°	1242.5	1302.2	1367.6	1430.1	1487.6	1540.1	1592.3	1637.5	1676.2	1708.2	1734.1
57.5°	1419.8	1497.1	1573.6	1651.2	1724.5	1793.1	1857.3	1914.0	1961.9	2001.2	2034.1
55°	1611.4	1708.0	1796.7	1894.6	1989.2	2075.3	2151.1	2217.7	2275.3	2323.6	2364.6
52.5°	1821.9	1939.4	2054.7	2166.0	2273.4	2373.2	2464.0	2541.6	2610.6	2669.8	2717.0
50°	2052.4	2186.8	2320.3	2444.2	2567.6	2682.7	2786.7	2876.7	2957.0	3026.6	3081.3
47.5°	2293.4	2446.3	2595.5	2737.3	2873.8	3001.8	3114.5	3217.1	3317.2	3398.8	3463.4
45°	2543.6	2715.2	2879.8	3041.9	3192.3	3335.7	3474.6	3602.4	3705.2	3795.1	3870.7
42.5°	2796.9	2988.3	3172.6	3349.5	3514.8	3680.6	3837.0	3976.7	4093.9	4196.2	4282.0
40°	3053.5	3263.0	3466.1	3658.9	3847.9	4028.8	4197.9	4345.2	4477.3	4598.8	4700.0
37.5°	3308.8	3539.3	3764.3	3980.3	4188.4	4384.3	4567.0	4733.4	4882.6	5020.9	5133.3
35°	3565.2	3818.1	4064.4	4302.1	4529.5	4745.6	4945.6	5135.0	5310.8	5451.0	5566.0
32.5°	3820.6	4092.5	4360.5	4622.3	4871.1	5104.1	5320.8	5530.2	5711.0	5865.0	5997.2
30°	4067.8	4362.3	4654.2	4938.0	5206.8	5459.3	5699.3	5920.6	6115.0	6283.5	6431.8
27.5°	4310.3	4626.8	4940.0	5243.1	5533.7	5808.1	6070.0	6310.0	6522.2	6705.3	6861.6
25°	4539.6	4879.7	5213.5	5534.9	5845.3	6148.0	6430.8	6692.8	6919.3	7120.4	7281.0
22.5°	4758.6	5121.3	5472.0	5810.2	6142.3	6468.5	6778.1	7051.6	7291.7	7501.9	7679.7
20°	4962.7	5351.3	5710.2	6067.8	6417.5	6765.8	7098.3	7386.8	7641.0	7864.7	8060.7
17.5°	5153.4	5552.1	5929.9	6310.7	6679.2	7044.6	7382.4	7691.7	7965.9	8203.5	8408.7
15°	5314.9	5717.4	6130.1	6536.6	6925.3	7295.4	7632.8	7955.8	8260.3	8517.2	8725.4
12.5°	5445.6	5864.2	6294.8	6726.3	7137.5	7507.0	7860.2	8187.9	8507.7	8796.3	8987.6
10°	5557.0	5988.1	6432.5	6872.7	7289.3	7680.3	8064.3	8410.8	8725.0	8983.5	9197.1
7.5°	5653.3	6097.5	6548.8	6989.6	7404.8	7808.9	8204.2	8572.2	8889.4	9132.9	9323.5
5°	5724.4	6179.1	6639.1	7084.0	7505.0	7910.3	8307.4	8670.9	8980.6	9228.3	9436.1
2.5°	5775.3	6234.2	6697.5	7143.1	7573.4	7979.7	8386.7	8754.3	9054.1	9281.2	9480.1
0°	5807.8	6267.4	6734.4	7190.3	7612.8	8005.7	8443.0	8787.7	9099.0	9325.1	9532.7
-2.5°	5775.3	6234.2	6697.5	7143.1	7573.4	7979.7	8386.7	8754.3	9054.1	9281.2	9480.1
-5°	5724.4	6179.1	6639.1	7084.0	7505.0	7910.3	8307.4	8670.9	8980.6	9228.3	9436.1
-7.5°	5653.3	6097.5	6548.8	6989.6	7404.8	7808.9	8204.2	8572.2	8889.4	9132.9	9323.5
-10°	5557.0	5988.1	6432.5	6872.7	7289.3	7680.3	8064.3	8410.8	8725.0	8983.5	9197.1
-12.5°	5445.6	5864.2	6294.8	6726.3	7137.5	7507.0	7860.2	8187.9	8507.7	8796.3	8987.6
-15°	5314.9	5717.4	6130.1	6536.6	6925.3	7295.4	7632.8	7955.8	8260.3	8517.2	8725.4
-17.5°	5153.4	5552.1	5929.9	6310.7	6679.2	7044.6	7382.4	7691.7	7965.9	8203.5	8408.7
-20°	4962.7	5351.3	5710.2	6067.8	6417.5	6765.8	7098.3	7386.8	7641.0	7864.7	8060.7



REPORT NUMBER: P627181 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3C-750-U-VWR-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	4758.6	5121.3	5472.0	5810.2	6142.3	6468.5	6778.1	7051.6	7291.7	7501.9	7679.7
-25°	4539.6	4879.7	5213.5	5534.9	5845.3	6148.0	6430.8	6692.8	6919.3	7120.4	7281.0
-27.5°	4310.3	4626.8	4940.0	5243.1	5533.7	5808.1	6070.0	6310.0	6522.2	6705.3	6861.6
-30°	4067.8	4362.3	4654.2	4938.0	5206.8	5459.3	5699.3	5920.6	6115.0	6283.5	6431.8
-32.5°	3820.6	4092.5	4360.5	4622.3	4871.1	5104.1	5320.8	5530.2	5711.0	5865.0	5997.2
-35°	3565.2	3818.1	4064.4	4302.1	4529.5	4745.6	4945.6	5135.0	5310.8	5451.0	5566.0
-37.5°	3308.8	3539.3	3764.3	3980.3	4188.4	4384.3	4567.0	4733.4	4882.6	5020.9	5133.3
-40°	3053.5	3263.0	3466.1	3658.9	3847.9	4028.8	4197.9	4345.2	4477.3	4598.8	4700.0
-42.5°	2796.9	2988.3	3172.6	3349.5	3514.8	3680.6	3837.0	3976.7	4093.9	4196.2	4282.0
-45°	2543.6	2715.2	2879.8	3041.9	3192.3	3335.7	3474.6	3602.4	3705.2	3795.1	3870.7
-47.5°	2293.4	2446.3	2595.5	2737.3	2873.8	3001.8	3114.5	3217.1	3317.2	3398.8	3463.4
-50°	2052.4	2186.8	2320.3	2444.2	2567.6	2682.7	2786.7	2876.7	2957.0	3026.6	3081.3
-52.5°	1821.9	1939.4	2054.7	2166.0	2273.4	2373.2	2464.0	2541.6	2610.6	2669.8	2717.0
-55°	1611.4	1708.0	1796.7	1894.6	1989.2	2075.3	2151.1	2217.7	2275.3	2323.6	2364.6
-57.5°	1419.8	1497.1	1573.6	1651.2	1724.5	1793.1	1857.3	1914.0	1961.9	2001.2	2034.1
-60°	1242.5	1302.2	1367.6	1430.1	1487.6	1540.1	1592.3	1637.5	1676.2	1708.2	1734.1
-62.5°	1077.6	1130.1	1178.8	1226.2	1272.5	1318.2	1353.2	1385.2	1413.5	1437.9	1457.4
-65°	918.8	961.7	999.7	1034.5	1066.5	1100.1	1127.7	1150.9	1169.5	1184.9	1197.3
-67.5°	767.8	801.3	830.6	855.5	880.3	903.4	922.5	938.1	950.1	960.3	968.2
-70°	633.8	658.8	679.8	699.9	720.4	736.8	749.1	758.1	763.8	767.6	770.2
-72.5°	514.8	538.0	557.1	574.9	590.0	600.9	608.8	614.7	618.7	614.7	607.6
-75°	405.1	427.5	449.0	467.4	482.7	489.7	493.2	495.6	497.0	483.7	466.3
-77.5°	310.5	333.4	353.4	371.8	388.4	391.6	391.1	390.3	388.9	370.4	348.0
-80°	218.2	236.4	253.5	270.6	287.3	289.2	287.3	283.8	278.9	260.8	240.2
-82.5°	133.7	144.4	154.6	164.8	174.9	177.4	178.2	177.8	176.4	162.6	147.3
-85°	61.9	66.3	70.4	74.3	78.0	81.6	84.9	88.0	90.8	82.9	74.2
-87.5°	12.1	12.5	12.8	13.1	13.4	13.7	13.9	14.1	14.3	13.6	12.8
-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: P627181 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3C-750-U-VWR-XX

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	11.9	11.1	11.1	11.1	11.1	11.1	11.9	12.8	13.6	14.3	14.1
85°	65.0	55.3	51.8	48.2	51.8	55.3	65.0	74.2	82.9	90.8	88.0
82.5°	131.2	114.5	109.2	103.8	109.2	114.5	131.2	147.3	162.6	176.4	177.8
80°	218.6	195.9	187.0	177.9	187.0	195.9	218.6	240.2	260.8	278.9	283.8
77.5°	324.4	299.5	288.9	278.0	288.9	299.5	324.4	348.0	370.4	388.9	390.3
75°	447.9	428.4	416.7	404.0	416.7	428.4	447.9	466.3	483.7	497.0	495.6
72.5°	599.4	589.9	581.3	570.8	581.3	589.9	599.4	607.6	614.7	618.7	614.7
70°	771.0	769.8	771.4	770.9	771.4	769.8	771.0	770.2	767.6	763.8	758.1
67.5°	972.2	972.5	976.6	978.5	976.6	972.5	972.2	968.2	960.3	950.1	938.1
65°	1204.9	1207.8	1206.7	1200.8	1206.7	1207.8	1204.9	1197.3	1184.9	1169.5	1150.9
62.5°	1471.2	1479.1	1483.5	1482.5	1483.5	1479.1	1471.2	1457.4	1437.9	1413.5	1385.2
60°	1753.4	1765.9	1772.2	1771.6	1772.2	1765.9	1753.4	1734.1	1708.2	1676.2	1637.5
57.5°	2058.7	2074.8	2078.6	2071.8	2078.6	2074.8	2058.7	2034.1	2001.2	1961.9	1914.0
55°	2395.5	2416.1	2424.0	2420.2	2424.0	2416.1	2395.5	2364.6	2323.6	2275.3	2217.7
52.5°	2751.6	2773.9	2781.7	2776.0	2781.7	2773.9	2751.6	2717.0	2669.8	2610.6	2541.6
50°	3121.4	3148.4	3159.3	3154.1	3159.3	3148.4	3121.4	3081.3	3026.6	2957.0	2876.7
47.5°	3514.0	3549.9	3563.9	3554.4	3563.9	3549.9	3514.0	3463.4	3398.8	3317.2	3217.1
45°	3927.2	3964.3	3978.8	3969.5	3978.8	3964.3	3927.2	3870.7	3795.1	3705.2	3602.4
42.5°	4347.7	4396.0	4416.4	4399.4	4416.4	4396.0	4347.7	4282.0	4196.2	4093.9	3976.7
40°	4775.6	4828.0	4852.2	4840.5	4852.2	4828.0	4775.6	4700.0	4598.8	4477.3	4345.2
37.5°	5214.5	5266.7	5292.3	5292.6	5292.3	5266.7	5214.5	5133.3	5020.9	4882.6	4733.4
35°	5655.0	5718.2	5753.9	5752.2	5753.9	5718.2	5655.0	5566.0	5451.0	5310.8	5135.0
32.5°	6101.7	6170.1	6206.6	6211.8	6206.6	6170.1	6101.7	5997.2	5865.0	5711.0	5530.2
30°	6547.6	6622.9	6665.2	6682.5	6665.2	6622.9	6547.6	6431.8	6283.5	6115.0	5920.6
27.5°	6980.1	7072.7	7136.5	7142.1	7136.5	7072.7	6980.1	6861.6	6705.3	6522.2	6310.0
25°	7399.0	7493.2	7558.7	7572.0	7558.7	7493.2	7399.0	7281.0	7120.4	6919.3	6692.8
22.5°	7811.8	7910.2	7970.7	7994.5	7970.7	7910.2	7811.8	7679.7	7501.9	7291.7	7051.6
20°	8205.8	8312.6	8376.7	8402.2	8376.7	8312.6	8205.8	8060.7	7864.7	7641.0	7386.8
17.5°	8562.4	8675.2	8754.3	8776.6	8754.3	8675.2	8562.4	8408.7	8203.5	7965.9	7691.7
15°	8876.1	8983.1	9058.2	9087.9	9058.2	8983.1	8876.1	8725.4	8517.2	8260.3	7955.8
12.5°	9131.5	9227.2	9286.1	9314.0	9286.1	9227.2	9131.5	8987.6	8796.3	8507.7	8187.9
10°	9331.0	9427.0	9483.2	9521.5	9483.2	9427.0	9331.0	9197.1	8983.5	8725.0	8410.8
7.5°	9504.1	9602.5	9671.3	9725.4	9671.3	9602.5	9504.1	9323.5	9132.9	8889.4	8572.2
5°	9599.7	9764.0	9788.7	9825.5	9788.7	9764.0	9599.7	9436.1	9228.3	8980.6	8670.9
2.5°	9672.6	9789.1	9859.1	9851.4	9859.1	9789.1	9672.6	9480.1	9281.2	9054.1	8754.3
0°	9725.4	9829.2	9855.1	9888.5	9855.1	9829.2	9725.4	9532.7	9325.1	9099.0	8787.7
-2.5°	9672.6	9789.1	9859.1	9851.4	9859.1	9789.1	9672.6	9480.1	9281.2	9054.1	8754.3
-5°	9599.7	9764.0	9788.7	9825.5	9788.7	9764.0	9599.7	9436.1	9228.3	8980.6	8670.9
-7.5°	9504.1	9602.5	9671.3	9725.4	9671.3	9602.5	9504.1	9323.5	9132.9	8889.4	8572.2
-10°	9331.0	9427.0	9483.2	9521.5	9483.2	9427.0	9331.0	9197.1	8983.5	8725.0	8410.8
-12.5°	9131.5	9227.2	9286.1	9314.0	9286.1	9227.2	9131.5	8987.6	8796.3	8507.7	8187.9
-15°	8876.1	8983.1	9058.2	9087.9	9058.2	8983.1	8876.1	8725.4	8517.2	8260.3	7955.8
-17.5°	8562.4	8675.2	8754.3	8776.6	8754.3	8675.2	8562.4	8408.7	8203.5	7965.9	7691.7
-20°	8205.8	8312.6	8376.7	8402.2	8376.7	8312.6	8205.8	8060.7	7864.7	7641.0	7386.8



REPORT NUMBER: P627181 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3C-750-U-VWR-XX

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	7811.8	7910.2	7970.7	7994.5	7970.7	7910.2	7811.8	7679.7	7501.9	7291.7	7051.6
-25°	7399.0	7493.2	7558.7	7572.0	7558.7	7493.2	7399.0	7281.0	7120.4	6919.3	6692.8
-27.5°	6980.1	7072.7	7136.5	7142.1	7136.5	7072.7	6980.1	6861.6	6705.3	6522.2	6310.0
-30°	6547.6	6622.9	6665.2	6682.5	6665.2	6622.9	6547.6	6431.8	6283.5	6115.0	5920.6
-32.5°	6101.7	6170.1	6206.6	6211.8	6206.6	6170.1	6101.7	5997.2	5865.0	5711.0	5530.2
-35°	5655.0	5718.2	5753.9	5752.2	5753.9	5718.2	5655.0	5566.0	5451.0	5310.8	5135.0
-37.5°	5214.5	5266.7	5292.3	5292.6	5292.3	5266.7	5214.5	5133.3	5020.9	4882.6	4733.4
-40°	4775.6	4828.0	4852.2	4840.5	4852.2	4828.0	4775.6	4700.0	4598.8	4477.3	4345.2
-42.5°	4347.7	4396.0	4416.4	4399.4	4416.4	4396.0	4347.7	4282.0	4196.2	4093.9	3976.7
-45°	3927.2	3964.3	3978.8	3969.5	3978.8	3964.3	3927.2	3870.7	3795.1	3705.2	3602.4
-47.5°	3514.0	3549.9	3563.9	3554.4	3563.9	3549.9	3514.0	3463.4	3398.8	3317.2	3217.1
-50°	3121.4	3148.4	3159.3	3154.1	3159.3	3148.4	3121.4	3081.3	3026.6	2957.0	2876.7
-52.5°	2751.6	2773.9	2781.7	2776.0	2781.7	2773.9	2751.6	2717.0	2669.8	2610.6	2541.6
-55°	2395.5	2416.1	2424.0	2420.2	2424.0	2416.1	2395.5	2364.6	2323.6	2275.3	2217.7
-57.5°	2058.7	2074.8	2078.6	2071.8	2078.6	2074.8	2058.7	2034.1	2001.2	1961.9	1914.0
-60°	1753.4	1765.9	1772.2	1771.6	1772.2	1765.9	1753.4	1734.1	1708.2	1676.2	1637.5
-62.5°	1471.2	1479.1	1483.5	1482.5	1483.5	1479.1	1471.2	1457.4	1437.9	1413.5	1385.2
-65°	1204.9	1207.8	1206.7	1200.8	1206.7	1207.8	1204.9	1197.3	1184.9	1169.5	1150.9
-67.5°	972.2	972.5	976.6	978.5	976.6	972.5	972.2	968.2	960.3	950.1	938.1
-70°	771.0	769.8	771.4	770.9	771.4	769.8	771.0	770.2	767.6	763.8	758.1
-72.5°	599.4	589.9	581.3	570.8	581.3	589.9	599.4	607.6	614.7	618.7	614.7
-75°	447.9	428.4	416.7	404.0	416.7	428.4	447.9	466.3	483.7	497.0	495.6
-77.5°	324.4	299.5	288.9	278.0	288.9	299.5	324.4	348.0	370.4	388.9	390.3
-80°	218.6	195.9	187.0	177.9	187.0	195.9	218.6	240.2	260.8	278.9	283.8
-82.5°	131.2	114.5	109.2	103.8	109.2	114.5	131.2	147.3	162.6	176.4	177.8
-85°	65.0	55.3	51.8	48.2	51.8	55.3	65.0	74.2	82.9	90.8	88.0
-87.5°	11.9	11.1	11.1	11.1	11.1	11.1	11.9	12.8	13.6	14.3	14.1
-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: P627181 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3C-750-U-VWR-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	13.9	13.7	13.4	13.1	12.8	12.5	12.1	11.7	11.3	10.9	10.5
85°	84.9	81.6	78.0	74.3	70.4	66.3	61.9	54.3	47.2	40.6	34.9
82.5°	178.2	177.4	174.9	164.8	154.6	144.4	133.7	117.7	102.0	86.8	73.4
80°	287.3	289.2	287.3	270.6	253.5	236.4	218.2	194.9	171.2	148.8	131.9
77.5°	391.1	391.6	388.4	371.8	353.4	333.4	310.5	282.4	254.2	225.8	204.1
75°	493.2	489.7	482.7	467.4	449.0	427.5	405.1	380.4	351.6	318.4	290.0
72.5°	608.8	600.9	590.0	574.9	557.1	538.0	514.8	487.5	457.3	424.3	394.3
70°	749.1	736.8	720.4	699.9	679.8	658.8	633.8	603.8	568.6	532.1	498.7
67.5°	922.5	903.4	880.3	855.5	830.6	801.3	767.8	731.2	694.9	654.4	608.5
65°	1127.7	1100.1	1066.5	1034.5	999.7	961.7	918.8	876.3	831.9	783.3	725.1
62.5°	1353.2	1318.2	1272.5	1226.2	1178.8	1130.1	1077.6	1025.4	972.3	914.9	849.5
60°	1592.3	1540.1	1487.6	1430.1	1367.6	1302.2	1242.5	1179.1	1112.0	1047.0	975.3
57.5°	1857.3	1793.1	1724.5	1651.2	1573.6	1497.1	1419.8	1340.0	1264.2	1185.0	1103.8
55°	2151.1	2075.3	1989.2	1894.6	1796.7	1708.0	1611.4	1514.6	1423.3	1327.2	1237.7
52.5°	2464.0	2373.2	2273.4	2166.0	2054.7	1939.4	1821.9	1710.7	1591.9	1483.1	1374.9
50°	2786.7	2682.7	2567.6	2444.2	2320.3	2186.8	2052.4	1918.7	1784.0	1650.6	1521.0
47.5°	3114.5	3001.8	2873.8	2737.3	2595.5	2446.3	2293.4	2132.7	1983.6	1828.8	1681.6
45°	3474.6	3335.7	3192.3	3041.9	2879.8	2715.2	2543.6	2367.6	2188.3	2018.2	1845.5
42.5°	3837.0	3680.6	3514.8	3349.5	3172.6	2988.3	2796.9	2602.9	2405.9	2209.7	2021.0
40°	4197.9	4028.8	3847.9	3658.9	3466.1	3263.0	3053.5	2837.8	2623.7	2408.0	2194.6
37.5°	4567.0	4384.3	4188.4	3980.3	3764.3	3539.3	3308.8	3075.3	2839.3	2607.0	2375.6
35°	4945.6	4745.6	4529.5	4302.1	4064.4	3818.1	3565.2	3309.5	3055.6	2804.5	2553.7
32.5°	5320.8	5104.1	4871.1	4622.3	4360.5	4092.5	3820.6	3544.5	3266.6	2998.4	2731.3
30°	5699.3	5459.3	5206.8	4938.0	4654.2	4362.3	4067.8	3775.2	3479.1	3184.0	2901.5
27.5°	6070.0	5808.1	5533.7	5243.1	4940.0	4626.8	4310.3	3998.1	3682.2	3368.5	3063.8
25°	6430.8	6148.0	5845.3	5534.9	5213.5	4879.7	4539.6	4209.2	3879.4	3543.6	3209.5
22.5°	6778.1	6468.5	6142.3	5810.2	5472.0	5121.3	4758.6	4402.5	4061.2	3700.7	3351.6
20°	7098.3	6765.8	6417.5	6067.8	5710.2	5351.3	4962.7	4583.9	4216.8	3846.6	3480.3
17.5°	7382.4	7044.6	6679.2	6310.7	5929.9	5552.1	5153.4	4749.0	4359.9	3976.2	3593.6
15°	7632.8	7295.4	6925.3	6536.6	6130.1	5717.4	5314.9	4894.8	4490.4	4090.9	3698.4
12.5°	7860.2	7507.0	7137.5	6726.3	6294.8	5864.2	5445.6	5022.6	4606.4	4195.7	3792.7
10°	8064.3	7680.3	7289.3	6872.7	6432.5	5988.1	5557.0	5130.0	4705.1	4285.5	3870.4
7.5°	8204.2	7808.9	7404.8	6989.6	6548.8	6097.5	5653.3	5216.4	4782.1	4357.0	3931.0
5°	8307.4	7910.3	7505.0	7084.0	6639.1	6179.1	5724.4	5279.0	4836.9	4409.3	3974.2
2.5°	8386.7	7979.7	7573.4	7143.1	6697.5	6234.2	5775.3	5326.0	4880.4	4447.6	4012.4
0°	8443.0	8005.7	7612.8	7190.3	6734.4	6267.4	5807.8	5355.6	4907.2	4466.1	4032.5
-2.5°	8386.7	7979.7	7573.4	7143.1	6697.5	6234.2	5775.3	5326.0	4880.4	4447.6	4012.4
-5°	8307.4	7910.3	7505.0	7084.0	6639.1	6179.1	5724.4	5279.0	4836.9	4409.3	3974.2
-7.5°	8204.2	7808.9	7404.8	6989.6	6548.8	6097.5	5653.3	5216.4	4782.1	4357.0	3931.0
-10°	8064.3	7680.3	7289.3	6872.7	6432.5	5988.1	5557.0	5130.0	4705.1	4285.5	3870.4
-12.5°	7860.2	7507.0	7137.5	6726.3	6294.8	5864.2	5445.6	5022.6	4606.4	4195.7	3792.7
-15°	7632.8	7295.4	6925.3	6536.6	6130.1	5717.4	5314.9	4894.8	4490.4	4090.9	3698.4
-17.5°	7382.4	7044.6	6679.2	6310.7	5929.9	5552.1	5153.4	4749.0	4359.9	3976.2	3593.6
-20°	7098.3	6765.8	6417.5	6067.8	5710.2	5351.3	4962.7	4583.9	4216.8	3846.6	3480.3



REPORT NUMBER: P627181 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3C-750-U-VWR-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	6778.1	6468.5	6142.3	5810.2	5472.0	5121.3	4758.6	4402.5	4061.2	3700.7	3351.6
-25°	6430.8	6148.0	5845.3	5534.9	5213.5	4879.7	4539.6	4209.2	3879.4	3543.6	3209.5
-27.5°	6070.0	5808.1	5533.7	5243.1	4940.0	4626.8	4310.3	3998.1	3682.2	3368.5	3063.8
-30°	5699.3	5459.3	5206.8	4938.0	4654.2	4362.3	4067.8	3775.2	3479.1	3184.0	2901.5
-32.5°	5320.8	5104.1	4871.1	4622.3	4360.5	4092.5	3820.6	3544.5	3266.6	2998.4	2731.3
-35°	4945.6	4745.6	4529.5	4302.1	4064.4	3818.1	3565.2	3309.5	3055.6	2804.5	2553.7
-37.5°	4567.0	4384.3	4188.4	3980.3	3764.3	3539.3	3308.8	3075.3	2839.3	2607.0	2375.6
-40°	4197.9	4028.8	3847.9	3658.9	3466.1	3263.0	3053.5	2837.8	2623.7	2408.0	2194.6
-42.5°	3837.0	3680.6	3514.8	3349.5	3172.6	2988.3	2796.9	2602.9	2405.9	2209.7	2021.0
-45°	3474.6	3335.7	3192.3	3041.9	2879.8	2715.2	2543.6	2367.6	2188.3	2018.2	1845.5
-47.5°	3114.5	3001.8	2873.8	2737.3	2595.5	2446.3	2293.4	2132.7	1983.6	1828.8	1681.6
-50°	2786.7	2682.7	2567.6	2444.2	2320.3	2186.8	2052.4	1918.7	1784.0	1650.6	1521.0
-52.5°	2464.0	2373.2	2273.4	2166.0	2054.7	1939.4	1821.9	1710.7	1591.9	1483.1	1374.9
-55°	2151.1	2075.3	1989.2	1894.6	1796.7	1708.0	1611.4	1514.6	1423.3	1327.2	1237.7
-57.5°	1857.3	1793.1	1724.5	1651.2	1573.6	1497.1	1419.8	1340.0	1264.2	1185.0	1103.8
-60°	1592.3	1540.1	1487.6	1430.1	1367.6	1302.2	1242.5	1179.1	1112.0	1047.0	975.3
-62.5°	1353.2	1318.2	1272.5	1226.2	1178.8	1130.1	1077.6	1025.4	972.3	914.9	849.5
-65°	1127.7	1100.1	1066.5	1034.5	999.7	961.7	918.8	876.3	831.9	783.3	725.1
-67.5°	922.5	903.4	880.3	855.5	830.6	801.3	767.8	731.2	694.9	654.4	608.5
-70°	749.1	736.8	720.4	699.9	679.8	658.8	633.8	603.8	568.6	532.1	498.7
-72.5°	608.8	600.9	590.0	574.9	557.1	538.0	514.8	487.5	457.3	424.3	394.3
-75°	493.2	489.7	482.7	467.4	449.0	427.5	405.1	380.4	351.6	318.4	290.0
-77.5°	391.1	391.6	388.4	371.8	353.4	333.4	310.5	282.4	254.2	225.8	204.1
-80°	287.3	289.2	287.3	270.6	253.5	236.4	218.2	194.9	171.2	148.8	131.9
-82.5°	178.2	177.4	174.9	164.8	154.6	144.4	133.7	117.7	102.0	86.8	73.4
-85°	84.9	81.6	78.0	74.3	70.4	66.3	61.9	54.3	47.2	40.6	34.9
-87.5°	13.9	13.7	13.4	13.1	12.8	12.5	12.1	11.7	11.3	10.9	10.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





REPORT NUMBER: P627181 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3C-750-U-VWR-XX

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	10.6	10.7	10.7	10.6	9.4	8.3	7.3	6.3	5.7	5.1	4.4
85°	35.0	34.2	32.3	29.3	23.1	16.6	14.5	12.5	11.3	10.1	8.9
82.5°	73.2	73.9	73.9	71.7	63.3	54.4	45.1	35.5	26.3	16.7	13.3
80°	132.1	130.7	127.6	121.6	107.8	92.1	80.3	68.1	56.2	43.7	30.7
77.5°	199.8	194.1	187.1	179.2	164.5	147.3	127.4	104.9	85.9	70.6	54.6
75°	275.4	266.3	256.5	243.3	224.4	202.8	181.1	154.9	125.7	98.3	78.3
72.5°	370.2	348.2	328.5	310.0	289.6	265.5	237.7	203.9	168.5	135.1	103.8
70°	466.2	433.2	403.8	378.6	353.9	328.7	298.1	256.5	210.5	171.2	134.3
67.5°	563.7	524.7	485.3	447.6	416.5	386.7	357.3	308.9	256.1	206.5	164.1
65°	671.4	619.3	569.3	522.6	480.4	443.2	408.6	357.9	300.4	244.6	193.1
62.5°	782.3	715.8	656.5	597.1	544.5	499.3	457.7	401.7	342.8	281.4	223.4
60°	898.8	823.2	744.3	674.9	610.5	553.3	502.9	445.0	382.4	316.9	253.5
57.5°	1021.5	932.6	844.1	756.3	678.9	610.3	546.9	486.0	421.3	351.8	281.6
55°	1145.8	1050.1	945.4	846.4	751.4	669.8	593.5	525.3	458.9	386.2	305.8
52.5°	1270.4	1165.1	1052.8	938.5	832.1	730.0	644.7	563.6	493.5	419.9	331.0
50°	1400.6	1280.0	1159.5	1036.1	912.4	800.5	694.1	607.5	527.1	451.8	354.9
47.5°	1536.1	1401.7	1267.7	1132.8	1000.2	867.9	751.9	650.6	559.6	480.6	377.2
45°	1684.7	1527.5	1379.2	1233.3	1083.3	940.8	810.4	691.8	596.4	503.1	397.7
42.5°	1833.1	1660.3	1494.5	1332.3	1170.3	1013.2	865.8	740.3	631.6	524.6	416.5
40°	1991.0	1793.5	1609.8	1433.7	1255.3	1082.1	927.1	787.5	664.6	546.9	434.4
37.5°	2144.6	1930.1	1728.1	1530.5	1338.5	1156.5	986.1	831.8	695.9	572.0	451.3
35°	2307.0	2067.3	1837.6	1628.0	1424.2	1227.0	1041.4	876.5	731.9	596.5	467.3
32.5°	2464.1	2201.4	1955.1	1724.2	1506.0	1293.5	1098.2	923.7	766.5	620.3	482.2
30°	2618.4	2336.1	2067.7	1815.1	1585.3	1363.2	1155.2	967.9	799.6	643.2	497.1
27.5°	2760.6	2460.8	2175.7	1909.2	1663.2	1429.4	1209.0	1008.9	831.0	666.7	514.5
25°	2893.1	2580.8	2282.1	1999.6	1735.5	1492.0	1258.6	1046.9	863.0	691.3	530.6
22.5°	3017.4	2692.2	2378.5	2082.9	1802.5	1549.6	1306.9	1087.3	893.2	714.0	545.3
20°	3130.4	2792.5	2464.8	2158.5	1867.7	1604.4	1353.4	1123.5	920.3	734.5	558.6
17.5°	3232.2	2884.2	2547.2	2229.0	1928.3	1653.1	1394.7	1155.4	944.0	752.8	570.3
15°	3326.7	2967.6	2620.1	2290.6	1980.9	1695.6	1430.7	1183.0	964.4	768.7	581.4
12.5°	3407.9	3039.1	2681.9	2343.0	2025.1	1731.5	1461.1	1206.0	981.3	783.1	591.9
10°	3474.7	3098.2	2732.4	2385.8	2060.9	1760.7	1485.8	1225.5	997.1	795.5	599.9
7.5°	3526.8	3144.5	2771.3	2418.8	2089.3	1785.2	1506.8	1242.2	1009.9	805.1	605.6
5°	3566.2	3180.6	2805.2	2446.5	2115.4	1804.9	1522.1	1254.3	1019.2	811.6	608.8
2.5°	3601.3	3207.7	2831.8	2464.4	2133.2	1817.8	1531.3	1261.5	1024.8	815.1	609.5
0°	3621.1	3220.8	2846.5	2472.1	2142.3	1823.5	1534.4	1263.9	1026.7	815.4	607.8
-2.5°	3601.3	3207.7	2831.8	2464.4	2133.2	1817.8	1531.3	1261.5	1024.8	815.1	609.5
-5°	3566.2	3180.6	2805.2	2446.5	2115.4	1804.9	1522.1	1254.3	1019.2	811.6	608.8
-7.5°	3526.8	3144.5	2771.3	2418.8	2089.3	1785.2	1506.8	1242.2	1009.9	805.1	605.6
-10°	3474.7	3098.2	2732.4	2385.8	2060.9	1760.7	1485.8	1225.5	997.1	795.5	599.9
-12.5°	3407.9	3039.1	2681.9	2343.0	2025.1	1731.5	1461.1	1206.0	981.3	783.1	591.9
-15°	3326.7	2967.6	2620.1	2290.6	1980.9	1695.6	1430.7	1183.0	964.4	768.7	581.4
-17.5°	3232.2	2884.2	2547.2	2229.0	1928.3	1653.1	1394.7	1155.4	944.0	752.8	570.3
-20°	3130.4	2792.5	2464.8	2158.5	1867.7	1604.4	1353.4	1123.5	920.3	734.5	558.6



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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°	3017.4	2692.2	2378.5	2082.9	1802.5	1549.6	1306.9	1087.3	893.2	714.0	545.3
-25°	2893.1	2580.8	2282.1	1999.6	1735.5	1492.0	1258.6	1046.9	863.0	691.3	530.6
-27.5°	2760.6	2460.8	2175.7	1909.2	1663.2	1429.4	1209.0	1008.9	831.0	666.7	514.5
-30°	2618.4	2336.1	2067.7	1815.1	1585.3	1363.2	1155.2	967.9	799.6	643.2	497.1
-32.5°	2464.1	2201.4	1955.1	1724.2	1506.0	1293.5	1098.2	923.7	766.5	620.3	482.2
-35°	2307.0	2067.3	1837.6	1628.0	1424.2	1227.0	1041.4	876.5	731.9	596.5	467.3
-37.5°	2144.6	1930.1	1728.1	1530.5	1338.5	1156.5	986.1	831.8	695.9	572.0	451.3
-40°	1991.0	1793.5	1609.8	1433.7	1255.3	1082.1	927.1	787.5	664.6	546.9	434.4
-42.5°	1833.1	1660.3	1494.5	1332.3	1170.3	1013.2	865.8	740.3	631.6	524.6	416.5
-45°	1684.7	1527.5	1379.2	1233.3	1083.3	940.8	810.4	691.8	596.4	503.1	397.7
-47.5°	1536.1	1401.7	1267.7	1132.8	1000.2	867.9	751.9	650.6	559.6	480.6	377.2
-50°	1400.6	1280.0	1159.5	1036.1	912.4	800.5	694.1	607.5	527.1	451.8	354.9
-52.5°	1270.4	1165.1	1052.8	938.5	832.1	730.0	644.7	563.6	493.5	419.9	331.0
-55°	1145.8	1050.1	945.4	846.4	751.4	669.8	593.5	525.3	458.9	386.2	305.8
-57.5°	1021.5	932.6	844.1	756.3	678.9	610.3	546.9	486.0	421.3	351.8	281.6
-60°	898.8	823.2	744.3	674.9	610.5	553.3	502.9	445.0	382.4	316.9	253.5
-62.5°	782.3	715.8	656.5	597.1	544.5	499.3	457.7	401.7	342.8	281.4	223.4
-65°	671.4	619.3	569.3	522.6	480.4	443.2	408.6	357.9	300.4	244.6	193.1
-67.5°	563.7	524.7	485.3	447.6	416.5	386.7	357.3	308.9	256.1	206.5	164.1
-70°	466.2	433.2	403.8	378.6	353.9	328.7	298.1	256.5	210.5	171.2	134.3
-72.5°	370.2	348.2	328.5	310.0	289.6	265.5	237.7	203.9	168.5	135.1	103.8
-75°	275.4	266.3	256.5	243.3	224.4	202.8	181.1	154.9	125.7	98.3	78.3
-77.5°	199.8	194.1	187.1	179.2	164.5	147.3	127.4	104.9	85.9	70.6	54.6
-80°	132.1	130.7	127.6	121.6	107.8	92.1	80.3	68.1	56.2	43.7	30.7
-82.5°	73.2	73.9	73.9	71.7	63.3	54.4	45.1	35.5	26.3	16.7	13.3
-85°	35.0	34.2	32.3	29.3	23.1	16.6	14.5	12.5	11.3	10.1	8.9
-87.5°	10.6	10.7	10.7	10.6	9.4	8.3	7.3	6.3	5.7	5.1	4.4
-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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REPORT NUMBER: P627181 (CONVERTED FROM TYPE C PHOTOMETRY)

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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°	3.8	3.2	2.6	1.9	1.3	0.6	0.0
85°	7.7	6.4	5.1	3.9	2.6	1.1	0.0
82.5°	11.5	9.6	7.7	5.8	3.9	1.7	0.0
80°	17.3	12.8	10.2	7.7	5.1	2.2	0.0
77.5°	37.6	20.0	12.8	9.6	6.4	2.8	0.0
75°	57.5	34.6	16.6	11.5	7.6	3.3	0.0
72.5°	76.8	48.8	26.5	13.3	8.8	3.9	0.0
70°	96.0	62.6	36.1	16.0	10.0	4.4	0.0
67.5°	119.1	75.7	45.3	21.9	11.1	4.9	0.0
65°	141.2	90.4	54.1	27.6	12.2	5.4	0.0
62.5°	162.1	106.5	62.4	33.0	13.3	5.9	0.0
60°	181.9	121.7	70.2	38.1	14.3	6.3	0.0
57.5°	202.7	136.0	80.6	42.9	17.2	6.8	0.0
55°	222.4	149.3	90.5	47.5	20.0	7.2	0.0
52.5°	240.6	161.9	99.8	51.6	22.7	7.6	0.0
50°	257.3	175.3	108.3	55.4	25.3	8.0	0.0
47.5°	273.0	187.5	116.0	59.4	27.8	8.4	0.0
45°	290.5	198.6	123.0	64.5	30.1	8.8	0.0
42.5°	306.4	208.4	129.2	69.2	32.4	9.1	0.0
40°	320.9	217.0	135.4	73.9	34.5	9.4	0.0
37.5°	333.9	224.3	141.5	78.6	36.4	9.7	0.0
35°	345.4	232.8	146.8	83.0	38.2	10.0	0.0
32.5°	356.0	241.3	151.2	87.1	39.9	10.2	0.0
30°	367.0	248.5	154.7	90.8	41.4	10.4	0.0
27.5°	376.9	254.5	160.0	94.1	42.8	10.6	0.0
25°	385.6	259.2	165.0	97.2	44.1	10.8	0.0
22.5°	393.0	264.0	169.4	99.8	45.2	10.9	0.0
20°	399.2	270.6	173.2	102.1	46.1	11.0	0.0
17.5°	406.9	276.0	176.3	104.0	46.9	11.1	0.0
15°	414.9	280.1	178.9	105.6	47.5	11.2	0.0
12.5°	421.4	283.1	180.8	106.8	48.0	11.2	0.0
10°	426.4	285.0	182.2	107.6	48.3	11.2	0.0
7.5°	429.7	285.8	182.9	108.1	48.5	11.2	0.0
5°	431.5	285.5	183.1	108.3	48.6	11.2	0.0
2.5°	431.5	284.1	182.6	108.1	48.5	11.2	0.0
0°	429.9	281.7	181.6	107.5	48.2	11.1	0.0
-2.5°	431.5	284.1	182.6	108.1	48.5	11.2	0.0
-5°	431.5	285.5	183.1	108.3	48.6	11.2	0.0
-7.5°	429.7	285.8	182.9	108.1	48.5	11.2	0.0
-10°	426.4	285.0	182.2	107.6	48.3	11.2	0.0
-12.5°	421.4	283.1	180.8	106.8	48.0	11.2	0.0
-15°	414.9	280.1	178.9	105.6	47.5	11.2	0.0
-17.5°	406.9	276.0	176.3	104.0	46.9	11.1	0.0
-20°	399.2	270.6	173.2	102.1	46.1	11.0	0.0

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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	393.0	264.0	169.4	99.8	45.2	10.9	0.0
-25°	385.6	259.2	165.0	97.2	44.1	10.8	0.0
-27.5°	376.9	254.5	160.0	94.1	42.8	10.6	0.0
-30°	367.0	248.5	154.7	90.8	41.4	10.4	0.0
-32.5°	356.0	241.3	151.2	87.1	39.9	10.2	0.0
-35°	345.4	232.8	146.8	83.0	38.2	10.0	0.0
-37.5°	333.9	224.3	141.5	78.6	36.4	9.7	0.0
-40°	320.9	217.0	135.4	73.9	34.5	9.4	0.0
-42.5°	306.4	208.4	129.2	69.2	32.4	9.1	0.0
-45°	290.5	198.6	123.0	64.5	30.1	8.8	0.0
-47.5°	273.0	187.5	116.0	59.4	27.8	8.4	0.0
-50°	257.3	175.3	108.3	55.4	25.3	8.0	0.0
-52.5°	240.6	161.9	99.8	51.6	22.7	7.6	0.0
-55°	222.4	149.3	90.5	47.5	20.0	7.2	0.0
-57.5°	202.7	136.0	80.6	42.9	17.2	6.8	0.0
-60°	181.9	121.7	70.2	38.1	14.3	6.3	0.0
-62.5°	162.1	106.5	62.4	33.0	13.3	5.9	0.0
-65°	141.2	90.4	54.1	27.6	12.2	5.4	0.0
-67.5°	119.1	75.7	45.3	21.9	11.1	4.9	0.0
-70°	96.0	62.6	36.1	16.0	10.0	4.4	0.0
-72.5°	76.8	48.8	26.5	13.3	8.8	3.9	0.0
-75°	57.5	34.6	16.6	11.5	7.6	3.3	0.0
-77.5°	37.6	20.0	12.8	9.6	6.4	2.8	0.0
-80°	17.3	12.8	10.2	7.7	5.1	2.2	0.0
-82.5°	11.5	9.6	7.7	5.8	3.9	1.7	0.0
-85°	7.7	6.4	5.1	3.9	2.6	1.1	0.0
-87.5°	3.8	3.2	2.6	1.9	1.3	0.6	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)