

Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P645468 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA4C-730-U-LAM-XX

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-2019
Report Number: P645468 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 5/4/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA4C-730-U-LAM-XX
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, LAMBERTIAN
Light Source: (64) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

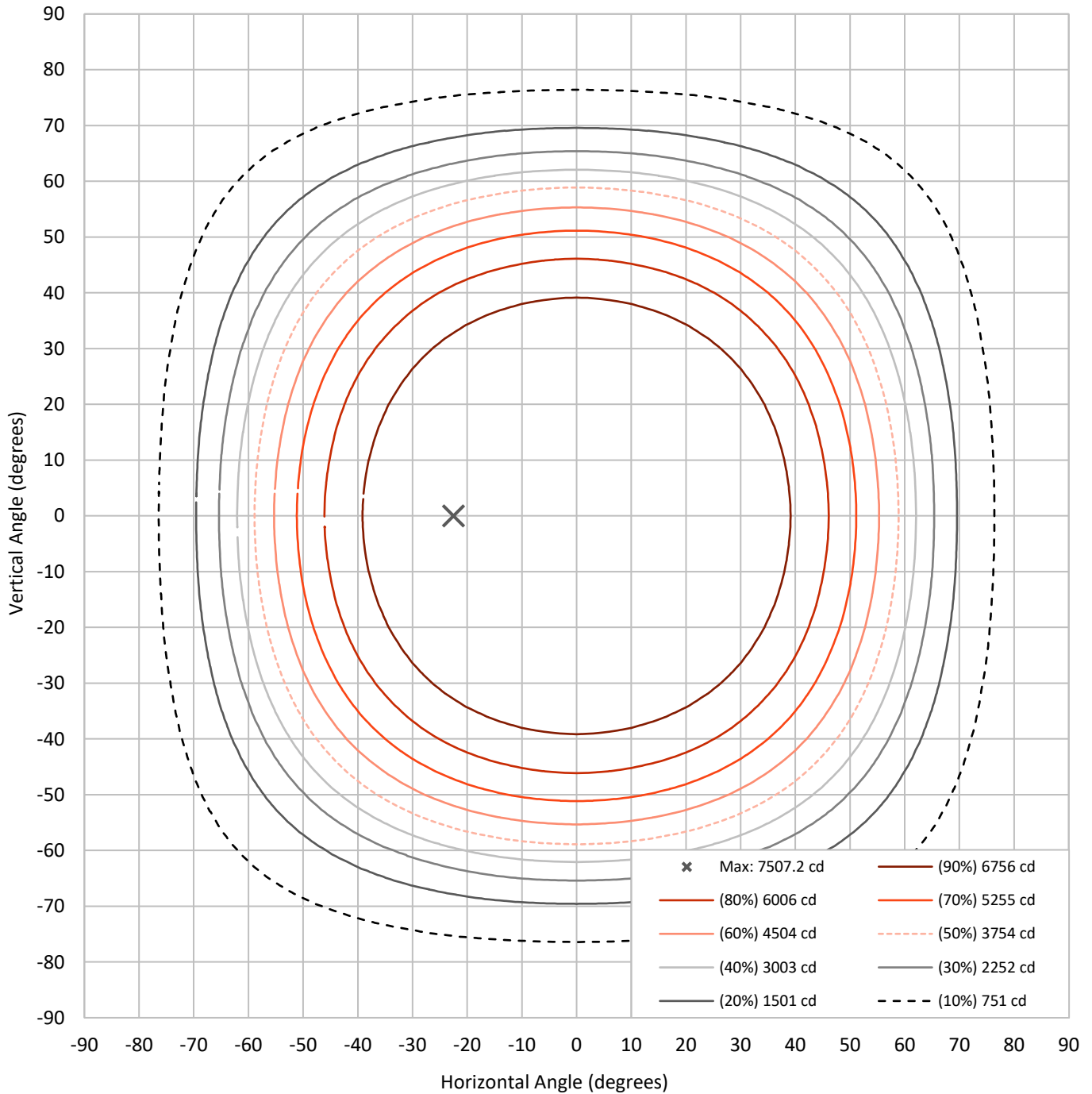
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	22965.1 lumens	Max Intensity:	7507.2 candela
Efficiency:	N/A	Max Intensity Angle:	-22.5°H x 0°V
Efficacy:	136.5 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')		
Beam Angle (50%):	117.8°H x 112°V	Field Angle (10%):	152.8°H x 150.5°V
Beam Lumens:	19111.9 lumens	Field Lumens:	22513.4 lumens
Beam Efficiency:	83.2%	Field Efficiency:	98.0%
Input Watts (W):	168.2		
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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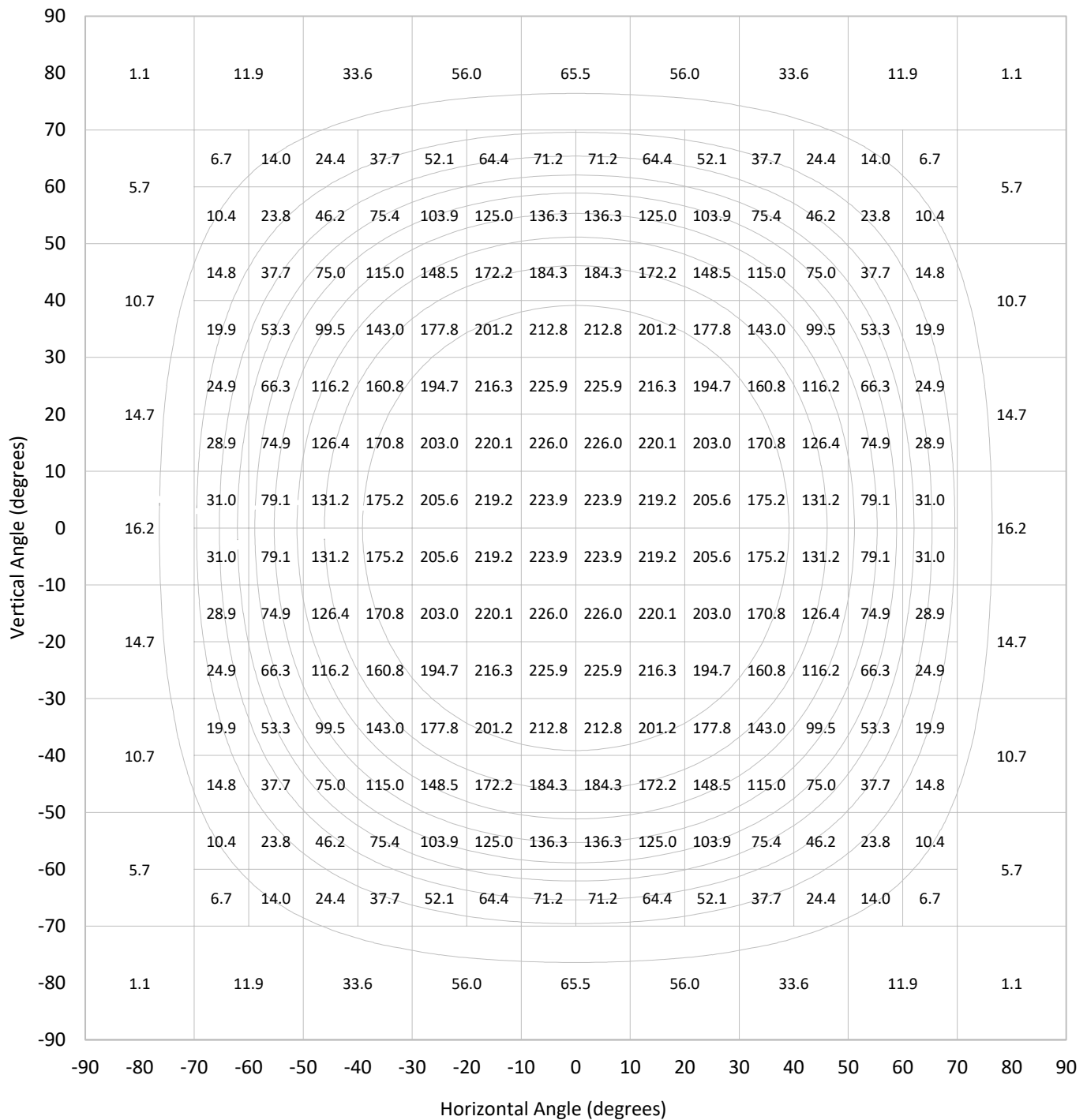
Iso-Candela Plot





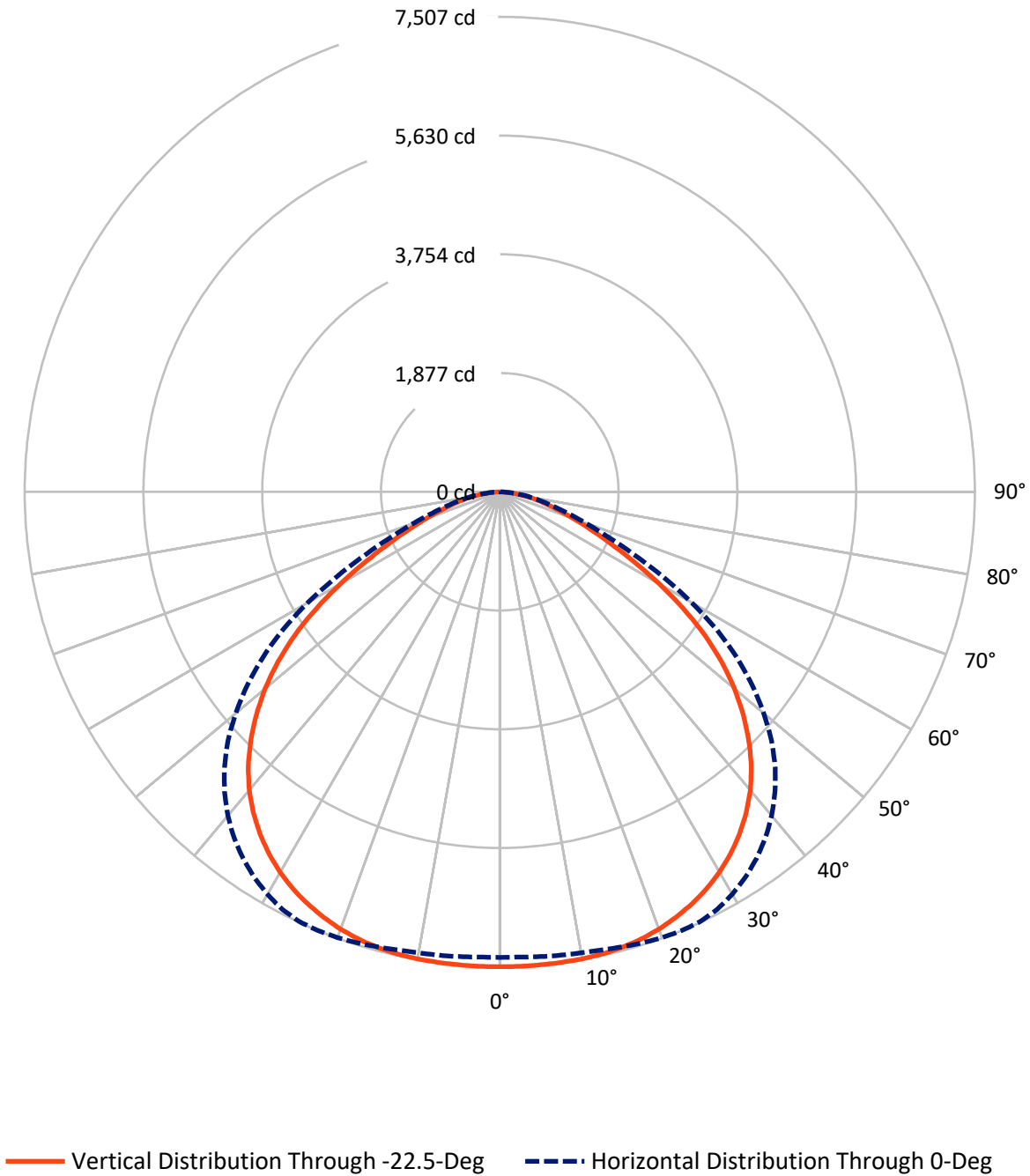
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Lumen Table



REPORT NUMBER: P645468 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4C-730-U-LAM-XX

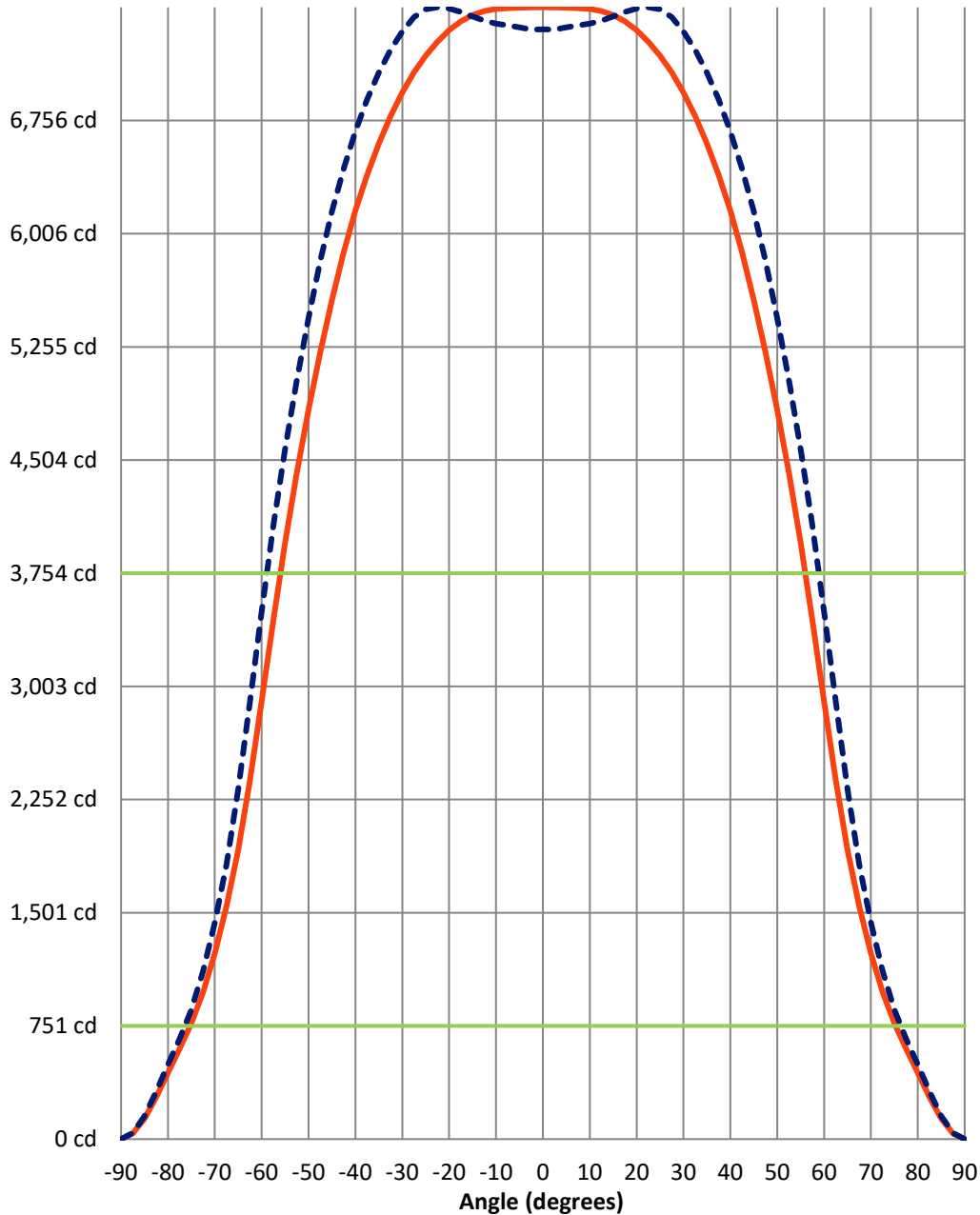
Luminous Intensity Polar Plot





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Luminous Intensity Plot



Beam:
 H Angle: 117.8°
 V Angle: 112°
 Lumens: 19111.9
 Efficiency: 83.2%

Field:
 H Angle: 152.8°
 V Angle: 150.5°
 Lumens: 22513.4
 Efficiency: 98.0%

Spill:
 Lumens: 451.7
 Efficiency: 2.0%

— Vertical Distribution through -22.5-Deg
 - - Horizontal Distribution through 0-Deg

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Scaled Data Report



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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	1.8	3.6	5.4	7.1	8.9	10.6	12.4	14.1	15.7	17.4
85°	0.0	3.6	7.2	10.7	14.3	17.8	21.2	24.7	28.1	31.4	34.7
82.5°	0.0	5.4	10.7	16.0	21.4	26.6	31.8	37.0	43.7	57.3	70.7
80°	0.0	7.1	14.3	21.4	28.4	35.4	44.5	63.1	81.5	99.6	117.4
77.5°	0.0	8.9	17.8	26.6	35.4	49.4	72.9	96.1	119.1	141.7	168.9
75°	0.0	10.6	21.2	31.8	44.5	72.9	101.0	128.8	157.9	197.3	236.0
72.5°	0.0	12.4	24.7	37.0	63.1	96.1	128.8	165.0	211.5	257.4	302.5
70°	0.0	14.1	28.1	43.7	81.5	119.1	157.9	211.5	264.5	316.9	373.5
67.5°	0.0	15.7	31.4	57.3	99.6	141.7	197.3	257.4	316.9	381.4	444.9
65°	0.0	17.4	34.7	70.7	117.4	168.9	236.0	302.5	373.5	444.9	514.2
62.5°	0.0	19.0	37.9	83.8	134.9	200.7	274.0	349.9	429.1	506.6	580.1
60°	0.0	20.5	41.1	96.6	151.9	231.7	311.2	397.6	483.5	564.9	644.7
57.5°	0.0	22.1	49.3	109.1	175.8	262.0	350.8	444.2	534.8	622.0	713.7
55°	0.0	23.6	57.4	121.2	199.4	291.4	389.7	489.6	584.2	679.2	783.8
52.5°	0.0	25.0	65.3	133.0	222.3	320.5	427.5	531.9	632.3	740.6	852.0
50°	0.0	26.4	72.9	144.4	244.4	351.0	464.2	572.7	680.8	800.2	936.8
47.5°	0.0	27.8	80.2	156.6	265.8	380.5	499.3	612.1	732.0	857.8	1021.1
45°	0.0	29.1	87.3	172.0	286.3	408.8	531.8	650.0	781.2	930.4	1102.4
42.5°	0.0	30.3	94.0	186.8	306.0	435.9	562.9	689.3	828.5	1000.5	1198.1
40°	0.0	31.5	100.4	200.8	325.7	461.8	592.6	728.7	878.3	1067.6	1292.7
37.5°	0.0	32.6	106.6	214.2	345.4	486.4	620.8	766.2	934.9	1136.2	1382.9
35°	0.0	33.7	112.3	226.8	364.0	509.0	647.6	801.7	988.5	1212.8	1475.0
32.5°	0.0	34.7	117.7	238.7	381.4	529.9	673.7	835.2	1039.0	1285.0	1571.8
30°	0.0	35.6	122.8	249.7	397.7	549.4	700.4	868.8	1086.2	1352.6	1662.6
27.5°	0.0	36.5	127.5	260.0	412.9	567.5	725.2	907.0	1134.5	1415.5	1747.1
25°	0.0	37.2	131.8	269.5	426.8	584.2	748.0	942.1	1185.6	1481.0	1826.0
22.5°	0.0	38.0	135.8	278.1	439.5	599.4	768.7	974.2	1232.3	1544.6	1918.2
20°	0.0	38.6	139.3	285.8	450.9	613.0	787.5	1003.1	1274.4	1601.9	2001.4
17.5°	0.0	39.2	142.4	292.7	461.0	625.2	804.1	1028.8	1311.8	1652.8	2075.4
15°	0.0	39.7	145.2	298.7	469.9	635.8	818.6	1051.2	1344.4	1697.3	2140.0
12.5°	0.0	40.1	147.5	303.8	477.4	644.7	830.9	1070.2	1372.1	1735.1	2195.0
10°	0.0	40.5	149.4	307.9	483.5	652.1	841.0	1085.9	1394.9	1766.2	2240.3
7.5°	0.0	40.7	150.9	311.2	488.3	657.9	848.9	1098.1	1412.7	1790.5	2275.6
5°	0.0	40.9	151.9	313.5	491.7	662.0	854.6	1106.8	1425.5	1807.9	2300.9
2.5°	0.0	41.1	152.6	314.9	493.8	664.5	858.0	1112.0	1433.1	1818.3	2316.1
0°	0.0	41.1	152.8	315.4	494.5	665.3	859.1	1113.8	1435.7	1821.8	2321.2
-2.5°	0.0	41.1	152.6	314.9	493.8	664.5	858.0	1112.0	1433.1	1818.3	2316.1
-5°	0.0	40.9	151.9	313.5	491.7	662.0	854.6	1106.8	1425.5	1807.9	2300.9
-7.5°	0.0	40.7	150.9	311.2	488.3	657.9	848.9	1098.1	1412.7	1790.5	2275.6
-10°	0.0	40.5	149.4	307.9	483.5	652.1	841.0	1085.9	1394.9	1766.2	2240.3
-12.5°	0.0	40.1	147.5	303.8	477.4	644.7	830.9	1070.2	1372.1	1735.1	2195.0
-15°	0.0	39.7	145.2	298.7	469.9	635.8	818.6	1051.2	1344.4	1697.3	2140.0
-17.5°	0.0	39.2	142.4	292.7	461.0	625.2	804.1	1028.8	1311.8	1652.8	2075.4
-20°	0.0	38.6	139.3	285.8	450.9	613.0	787.5	1003.1	1274.4	1601.9	2001.4



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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	38.0	135.8	278.1	439.5	599.4	768.7	974.2	1232.3	1544.6	1918.2
-25°	0.0	37.2	131.8	269.5	426.8	584.2	748.0	942.1	1185.6	1481.0	1826.0
-27.5°	0.0	36.5	127.5	260.0	412.9	567.5	725.2	907.0	1134.5	1415.5	1747.1
-30°	0.0	35.6	122.8	249.7	397.7	549.4	700.4	868.8	1086.2	1352.6	1662.6
-32.5°	0.0	34.7	117.7	238.7	381.4	529.9	673.7	835.2	1039.0	1285.0	1571.8
-35°	0.0	33.7	112.3	226.8	364.0	509.0	647.6	801.7	988.5	1212.8	1475.0
-37.5°	0.0	32.6	106.6	214.2	345.4	486.4	620.8	766.2	934.9	1136.2	1382.9
-40°	0.0	31.5	100.4	200.8	325.7	461.8	592.6	728.7	878.3	1067.6	1292.7
-42.5°	0.0	30.3	94.0	186.8	306.0	435.9	562.9	689.3	828.5	1000.5	1198.1
-45°	0.0	29.1	87.3	172.0	286.3	408.8	531.8	650.0	781.2	930.4	1102.4
-47.5°	0.0	27.8	80.2	156.6	265.8	380.5	499.3	612.1	732.0	857.8	1021.1
-50°	0.0	26.4	72.9	144.4	244.4	351.0	464.2	572.7	680.8	800.2	936.8
-52.5°	0.0	25.0	65.3	133.0	222.3	320.5	427.5	531.9	632.3	740.6	852.0
-55°	0.0	23.6	57.4	121.2	199.4	291.4	389.7	489.6	584.2	679.2	783.8
-57.5°	0.0	22.1	49.3	109.1	175.8	262.0	350.8	444.2	534.8	622.0	713.7
-60°	0.0	20.5	41.1	96.6	151.9	231.7	311.2	397.6	483.5	564.9	644.7
-62.5°	0.0	19.0	37.9	83.8	134.9	200.7	274.0	349.9	429.1	506.6	580.1
-65°	0.0	17.4	34.7	70.7	117.4	168.9	236.0	302.5	373.5	444.9	514.2
-67.5°	0.0	15.7	31.4	57.3	99.6	141.7	197.3	257.4	316.9	381.4	444.9
-70°	0.0	14.1	28.1	43.7	81.5	119.1	157.9	211.5	264.5	316.9	373.5
-72.5°	0.0	12.4	24.7	37.0	63.1	96.1	128.8	165.0	211.5	257.4	302.5
-75°	0.0	10.6	21.2	31.8	44.5	72.9	101.0	128.8	157.9	197.3	236.0
-77.5°	0.0	8.9	17.8	26.6	35.4	49.4	72.9	96.1	119.1	141.7	168.9
-80°	0.0	7.1	14.3	21.4	28.4	35.4	44.5	63.1	81.5	99.6	117.4
-82.5°	0.0	5.4	10.7	16.0	21.4	26.6	31.8	37.0	43.7	57.3	70.7
-85°	0.0	3.6	7.2	10.7	14.3	17.8	21.2	24.7	28.1	31.4	34.7
-87.5°	0.0	1.8	3.6	5.4	7.1	8.9	10.6	12.4	14.1	15.7	17.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645468 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-730-U-LAM-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°	19.0	20.5	22.1	23.6	25.0	26.4	27.8	29.1	30.3	31.5	32.6
85°	37.9	41.1	49.3	57.4	65.3	72.9	80.2	87.3	94.0	100.4	106.6
82.5°	83.8	96.6	109.1	121.2	133.0	144.4	156.6	172.0	186.8	200.8	214.2
80°	134.9	151.9	175.8	199.4	222.3	244.4	265.8	286.3	306.0	325.7	345.4
77.5°	200.7	231.7	262.0	291.4	320.5	351.0	380.5	408.8	435.9	461.8	486.4
75°	274.0	311.2	350.8	389.7	427.5	464.2	499.3	531.8	562.9	592.6	620.8
72.5°	349.9	397.6	444.2	489.6	531.9	572.7	612.1	650.0	689.3	728.7	766.2
70°	429.1	483.5	534.8	584.2	632.3	680.8	732.0	781.2	828.5	878.3	934.9
67.5°	506.6	564.9	622.0	679.2	740.6	800.2	857.8	930.4	1000.5	1067.6	1136.2
65°	580.1	644.7	713.7	783.8	852.0	936.8	1021.1	1102.4	1198.1	1292.7	1382.9
62.5°	652.4	731.1	809.9	895.6	994.1	1089.9	1201.0	1314.3	1423.3	1546.1	1665.7
60°	731.1	818.6	918.6	1028.8	1142.2	1274.4	1402.6	1544.6	1687.7	1826.0	1995.7
57.5°	809.9	918.6	1040.4	1171.7	1318.8	1467.3	1634.0	1795.4	1989.0	2182.4	2374.8
55°	895.6	1028.8	1171.7	1333.7	1503.1	1688.2	1881.6	2107.0	2325.1	2568.1	2800.8
52.5°	994.1	1142.2	1318.8	1503.1	1706.3	1928.8	2178.3	2436.4	2708.1	2972.0	3230.9
50°	1089.9	1274.4	1467.3	1688.2	1928.8	2202.2	2492.4	2792.9	3089.6	3379.1	3650.2
47.5°	1201.0	1402.6	1634.0	1881.6	2178.3	2492.4	2821.3	3148.9	3468.9	3765.8	4050.2
45°	1314.3	1544.6	1795.4	2107.0	2436.4	2792.9	3148.9	3499.0	3824.1	4131.0	4399.3
42.5°	1423.3	1687.7	1989.0	2325.1	2708.1	3089.6	3468.9	3824.1	4157.2	4452.7	4722.3
40°	1546.1	1826.0	2182.4	2568.1	2972.0	3379.1	3765.8	4131.0	4452.7	4746.9	5019.9
37.5°	1665.7	1995.7	2374.8	2800.8	3230.9	3650.2	4050.2	4399.3	4722.3	5019.9	5281.8
35°	1779.3	2157.0	2579.1	3026.4	3477.9	3904.2	4293.6	4649.0	4969.9	5258.7	5526.4
32.5°	1905.6	2309.6	2772.6	3243.2	3703.0	4137.1	4523.1	4870.8	5189.8	5483.0	5748.9
30°	2035.8	2474.0	2956.2	3447.3	3914.4	4339.0	4724.3	5076.4	5392.8	5682.5	5943.1
27.5°	2157.0	2629.1	3131.3	3632.1	4107.6	4528.3	4908.5	5255.1	5573.4	5865.0	6117.6
25°	2269.1	2772.6	3293.5	3801.2	4270.1	4691.9	5075.4	5421.8	5738.3	6018.2	6263.7
22.5°	2379.6	2904.0	3442.1	3956.3	4419.5	4838.1	5218.2	5565.4	5882.1	6159.3	6395.0
20°	2487.1	3026.4	3573.2	4093.9	4555.0	4970.9	5348.1	5694.7	6002.9	6271.4	6505.9
17.5°	2582.8	3135.5	3687.9	4205.0	4666.4	5084.3	5463.0	5810.8	6111.6	6372.4	6601.7
15°	2666.4	3230.9	3788.2	4302.2	4762.3	5178.6	5557.3	5901.2	6200.0	6458.7	6686.3
12.5°	2737.6	3312.2	3873.8	4385.3	4844.2	5259.2	5638.0	5977.2	6270.9	6526.2	6749.0
10°	2796.1	3379.1	3944.3	4453.7	4911.8	5325.8	5704.8	6040.1	6329.8	6582.4	6801.2
7.5°	2841.9	3431.4	3999.4	4507.3	4964.8	5378.0	5757.2	6089.5	6376.0	6626.6	6842.3
5°	2874.7	3468.9	4039.0	4545.7	5002.8	5415.5	5794.8	6125.0	6409.4	6658.5	6872.1
2.5°	2894.4	3491.5	4062.8	4568.9	5025.7	5438.1	5817.5	6146.4	6429.5	6677.8	6890.1
0°	2901.0	3499.0	4070.7	4576.6	5033.3	5445.6	5825.1	6153.6	6436.2	6684.2	6896.1
-2.5°	2894.4	3491.5	4062.8	4568.9	5025.7	5438.1	5817.5	6146.4	6429.5	6677.8	6890.1
-5°	2874.7	3468.9	4039.0	4545.7	5002.8	5415.5	5794.8	6125.0	6409.4	6658.5	6872.1
-7.5°	2841.9	3431.4	3999.4	4507.3	4964.8	5378.0	5757.2	6089.5	6376.0	6626.6	6842.3
-10°	2796.1	3379.1	3944.3	4453.7	4911.8	5325.8	5704.8	6040.1	6329.8	6582.4	6801.2
-12.5°	2737.6	3312.2	3873.8	4385.3	4844.2	5259.2	5638.0	5977.2	6270.9	6526.2	6749.0
-15°	2666.4	3230.9	3788.2	4302.2	4762.3	5178.6	5557.3	5901.2	6200.0	6458.7	6686.3
-17.5°	2582.8	3135.5	3687.9	4205.0	4666.4	5084.3	5463.0	5810.8	6111.6	6372.4	6601.7
-20°	2487.1	3026.4	3573.2	4093.9	4555.0	4970.9	5348.1	5694.7	6002.9	6271.4	6505.9



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 CATALOG NUMBER: GFLD-SA4C-730-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	2379.6	2904.0	3442.1	3956.3	4419.5	4838.1	5218.2	5565.4	5882.1	6159.3	6395.0
-25°	2269.1	2772.6	3293.5	3801.2	4270.1	4691.9	5075.4	5421.8	5738.3	6018.2	6263.7
-27.5°	2157.0	2629.1	3131.3	3632.1	4107.6	4528.3	4908.5	5255.1	5573.4	5865.0	6117.6
-30°	2035.8	2474.0	2956.2	3447.3	3914.4	4339.0	4724.3	5076.4	5392.8	5682.5	5943.1
-32.5°	1905.6	2309.6	2772.6	3243.2	3703.0	4137.1	4523.1	4870.8	5189.8	5483.0	5748.9
-35°	1779.3	2157.0	2579.1	3026.4	3477.9	3904.2	4293.6	4649.0	4969.9	5258.7	5526.4
-37.5°	1665.7	1995.7	2374.8	2800.8	3230.9	3650.2	4050.2	4399.3	4722.3	5019.9	5281.8
-40°	1546.1	1826.0	2182.4	2568.1	2972.0	3379.1	3765.8	4131.0	4452.7	4746.9	5019.9
-42.5°	1423.3	1687.7	1989.0	2325.1	2708.1	3089.6	3468.9	3824.1	4157.2	4452.7	4722.3
-45°	1314.3	1544.6	1795.4	2107.0	2436.4	2792.9	3148.9	3499.0	3824.1	4131.0	4399.3
-47.5°	1201.0	1402.6	1634.0	1881.6	2178.3	2492.4	2821.3	3148.9	3468.9	3765.8	4050.2
-50°	1089.9	1274.4	1467.3	1688.2	1928.8	2202.2	2492.4	2792.9	3089.6	3379.1	3650.2
-52.5°	994.1	1142.2	1318.8	1503.1	1706.3	1928.8	2178.3	2436.4	2708.1	2972.0	3230.9
-55°	895.6	1028.8	1171.7	1333.7	1503.1	1688.2	1881.6	2107.0	2325.1	2568.1	2800.8
-57.5°	809.9	918.6	1040.4	1171.7	1318.8	1467.3	1634.0	1795.4	1989.0	2182.4	2374.8
-60°	731.1	818.6	918.6	1028.8	1142.2	1274.4	1402.6	1544.6	1687.7	1826.0	1995.7
-62.5°	652.4	731.1	809.9	895.6	994.1	1089.9	1201.0	1314.3	1423.3	1546.1	1665.7
-65°	580.1	644.7	713.7	783.8	852.0	936.8	1021.1	1102.4	1198.1	1292.7	1382.9
-67.5°	506.6	564.9	622.0	679.2	740.6	800.2	857.8	930.4	1000.5	1067.6	1136.2
-70°	429.1	483.5	534.8	584.2	632.3	680.8	732.0	781.2	828.5	878.3	934.9
-72.5°	349.9	397.6	444.2	489.6	531.9	572.7	612.1	650.0	689.3	728.7	766.2
-75°	274.0	311.2	350.8	389.7	427.5	464.2	499.3	531.8	562.9	592.6	620.8
-77.5°	200.7	231.7	262.0	291.4	320.5	351.0	380.5	408.8	435.9	461.8	486.4
-80°	134.9	151.9	175.8	199.4	222.3	244.4	265.8	286.3	306.0	325.7	345.4
-82.5°	83.8	96.6	109.1	121.2	133.0	144.4	156.6	172.0	186.8	200.8	214.2
-85°	37.9	41.1	49.3	57.4	65.3	72.9	80.2	87.3	94.0	100.4	106.6
-87.5°	19.0	20.5	22.1	23.6	25.0	26.4	27.8	29.1	30.3	31.5	32.6
-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: P645468 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-730-U-LAM-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°	33.7	34.7	35.6	36.5	37.2	38.0	38.6	39.2	39.7	40.1	40.5
85°	112.3	117.7	122.8	127.5	131.8	135.8	139.3	142.4	145.2	147.5	149.4
82.5°	226.8	238.7	249.7	260.0	269.5	278.1	285.8	292.7	298.7	303.8	307.9
80°	364.0	381.4	397.7	412.9	426.8	439.5	450.9	461.0	469.9	477.4	483.5
77.5°	509.0	529.9	549.4	567.5	584.2	599.4	613.0	625.2	635.8	644.7	652.1
75°	647.6	673.7	700.4	725.2	748.0	768.7	787.5	804.1	818.6	830.9	841.0
72.5°	801.7	835.2	868.8	907.0	942.1	974.2	1003.1	1028.8	1051.2	1070.2	1085.9
70°	988.5	1039.0	1086.2	1134.5	1185.6	1232.3	1274.4	1311.8	1344.4	1372.1	1394.9
67.5°	1212.8	1285.0	1352.6	1415.5	1481.0	1544.6	1601.9	1652.8	1697.3	1735.1	1766.2
65°	1475.0	1571.8	1662.6	1747.1	1826.0	1918.2	2001.4	2075.4	2140.0	2195.0	2240.3
62.5°	1779.3	1905.6	2035.8	2157.0	2269.1	2379.6	2487.1	2582.8	2666.4	2737.6	2796.1
60°	2157.0	2309.6	2474.0	2629.1	2772.6	2904.0	3026.4	3135.5	3230.9	3312.2	3379.1
57.5°	2579.1	2772.6	2956.2	3131.3	3293.5	3442.1	3573.2	3687.9	3788.2	3873.8	3944.3
55°	3026.4	3243.2	3447.3	3632.1	3801.2	3956.3	4093.9	4205.0	4302.2	4385.3	4453.7
52.5°	3477.9	3703.0	3914.4	4107.6	4270.1	4419.5	4555.0	4666.4	4762.3	4844.2	4911.8
50°	3904.2	4137.1	4339.0	4528.3	4691.9	4838.1	4970.9	5084.3	5178.6	5259.2	5325.8
47.5°	4293.6	4523.1	4724.3	4908.5	5075.4	5218.2	5348.1	5463.0	5557.3	5638.0	5704.8
45°	4649.0	4870.8	5076.4	5255.1	5421.8	5565.4	5694.7	5810.8	5901.2	5977.2	6040.1
42.5°	4969.9	5189.8	5392.8	5573.4	5738.3	5882.1	6002.9	6111.6	6200.0	6270.9	6329.8
40°	5258.7	5483.0	5682.5	5865.0	6018.2	6159.3	6271.4	6372.4	6458.7	6526.2	6582.4
37.5°	5526.4	5748.9	5943.1	6117.6	6263.7	6395.0	6505.9	6601.7	6686.3	6749.0	6801.2
35°	5771.2	5982.6	6174.7	6334.7	6479.5	6603.1	6712.3	6800.7	6879.3	6939.0	6986.6
32.5°	5982.6	6192.2	6370.6	6528.0	6669.4	6784.8	6889.5	6970.5	7041.8	7099.3	7143.5
30°	6174.7	6370.6	6544.4	6700.3	6829.1	6941.5	7035.8	7114.9	7180.8	7235.6	7274.5
27.5°	6334.7	6528.0	6700.3	6844.1	6967.4	7075.5	7161.9	7238.0	7295.5	7346.0	7379.4
25°	6479.5	6669.4	6829.1	6967.4	7087.1	7185.9	7268.0	7337.0	7388.0	7431.2	7456.1
22.5°	6603.1	6784.8	6941.5	7075.5	7185.9	7278.2	7355.6	7414.0	7455.7	7481.9	7496.6
20°	6712.3	6889.5	7035.8	7161.9	7268.0	7355.6	7422.8	7466.0	7495.1	7502.2	7506.4
17.5°	6800.7	6970.5	7114.9	7238.0	7337.0	7414.0	7466.0	7496.4	7505.1	7503.6	7499.3
15°	6879.3	7041.8	7180.8	7295.5	7388.0	7455.7	7495.1	7505.1	7502.6	7493.8	7480.3
12.5°	6939.0	7099.3	7235.6	7346.0	7431.2	7481.9	7502.2	7503.6	7493.8	7477.0	7457.7
10°	6986.6	7143.5	7274.5	7379.4	7456.1	7496.6	7506.4	7499.3	7480.3	7457.7	7436.4
7.5°	7024.2	7178.6	7305.5	7406.2	7472.4	7501.1	7503.3	7489.7	7466.9	7441.3	7418.3
5°	7051.5	7204.1	7328.0	7425.6	7484.3	7504.5	7500.9	7482.2	7455.8	7429.1	7408.0
2.5°	7068.0	7219.5	7341.6	7437.5	7491.6	7506.5	7499.5	7477.6	7448.8	7421.2	7401.2
0°	7073.5	7224.7	7346.2	7441.5	7494.1	7507.2	7499.0	7476.0	7446.4	7418.5	7398.8
-2.5°	7068.0	7219.5	7341.6	7437.5	7491.6	7506.5	7499.5	7477.6	7448.8	7421.2	7401.2
-5°	7051.5	7204.1	7328.0	7425.6	7484.3	7504.5	7500.9	7482.2	7455.8	7429.1	7408.0
-7.5°	7024.2	7178.6	7305.5	7406.2	7472.4	7501.1	7503.3	7489.7	7466.9	7441.3	7418.3
-10°	6986.6	7143.5	7274.5	7379.4	7456.1	7496.6	7506.4	7499.3	7480.3	7457.7	7436.4
-12.5°	6939.0	7099.3	7235.6	7346.0	7431.2	7481.9	7502.2	7503.6	7493.8	7477.0	7457.7
-15°	6879.3	7041.8	7180.8	7295.5	7388.0	7455.7	7495.1	7505.1	7502.6	7493.8	7480.3
-17.5°	6800.7	6970.5	7114.9	7238.0	7337.0	7414.0	7466.0	7496.4	7505.1	7503.6	7499.3
-20°	6712.3	6889.5	7035.8	7161.9	7268.0	7355.6	7422.8	7466.0	7495.1	7502.2	7506.4



REPORT NUMBER: P645468 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-730-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	6603.1	6784.8	6941.5	7075.5	7185.9	7278.2	7355.6	7414.0	7455.7	7481.9	7496.6
-25°	6479.5	6669.4	6829.1	6967.4	7087.1	7185.9	7268.0	7337.0	7388.0	7431.2	7456.1
-27.5°	6334.7	6528.0	6700.3	6844.1	6967.4	7075.5	7161.9	7238.0	7295.5	7346.0	7379.4
-30°	6174.7	6370.6	6544.4	6700.3	6829.1	6941.5	7035.8	7114.9	7180.8	7235.6	7274.5
-32.5°	5982.6	6192.2	6370.6	6528.0	6669.4	6784.8	6889.5	6970.5	7041.8	7099.3	7143.5
-35°	5771.2	5982.6	6174.7	6334.7	6479.5	6603.1	6712.3	6800.7	6879.3	6939.0	6986.6
-37.5°	5526.4	5748.9	5943.1	6117.6	6263.7	6395.0	6505.9	6601.7	6686.3	6749.0	6801.2
-40°	5258.7	5483.0	5682.5	5865.0	6018.2	6159.3	6271.4	6372.4	6458.7	6526.2	6582.4
-42.5°	4969.9	5189.8	5392.8	5573.4	5738.3	5882.1	6002.9	6111.6	6200.0	6270.9	6329.8
-45°	4649.0	4870.8	5076.4	5255.1	5421.8	5565.4	5694.7	5810.8	5901.2	5977.2	6040.1
-47.5°	4293.6	4523.1	4724.3	4908.5	5075.4	5218.2	5348.1	5463.0	5557.3	5638.0	5704.8
-50°	3904.2	4137.1	4339.0	4528.3	4691.9	4838.1	4970.9	5084.3	5178.6	5259.2	5325.8
-52.5°	3477.9	3703.0	3914.4	4107.6	4270.1	4419.5	4555.0	4666.4	4762.3	4844.2	4911.8
-55°	3026.4	3243.2	3447.3	3632.1	3801.2	3956.3	4093.9	4205.0	4302.2	4385.3	4453.7
-57.5°	2579.1	2772.6	2956.2	3131.3	3293.5	3442.1	3573.2	3687.9	3788.2	3873.8	3944.3
-60°	2157.0	2309.6	2474.0	2629.1	2772.6	2904.0	3026.4	3135.5	3230.9	3312.2	3379.1
-62.5°	1779.3	1905.6	2035.8	2157.0	2269.1	2379.6	2487.1	2582.8	2666.4	2737.6	2796.1
-65°	1475.0	1571.8	1662.6	1747.1	1826.0	1918.2	2001.4	2075.4	2140.0	2195.0	2240.3
-67.5°	1212.8	1285.0	1352.6	1415.5	1481.0	1544.6	1601.9	1652.8	1697.3	1735.1	1766.2
-70°	988.5	1039.0	1086.2	1134.5	1185.6	1232.3	1274.4	1311.8	1344.4	1372.1	1394.9
-72.5°	801.7	835.2	868.8	907.0	942.1	974.2	1003.1	1028.8	1051.2	1070.2	1085.9
-75°	647.6	673.7	700.4	725.2	748.0	768.7	787.5	804.1	818.6	830.9	841.0
-77.5°	509.0	529.9	549.4	567.5	584.2	599.4	613.0	625.2	635.8	644.7	652.1
-80°	364.0	381.4	397.7	412.9	426.8	439.5	450.9	461.0	469.9	477.4	483.5
-82.5°	226.8	238.7	249.7	260.0	269.5	278.1	285.8	292.7	298.7	303.8	307.9
-85°	112.3	117.7	122.8	127.5	131.8	135.8	139.3	142.4	145.2	147.5	149.4
-87.5°	33.7	34.7	35.6	36.5	37.2	38.0	38.6	39.2	39.7	40.1	40.5
-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: P645468 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-730-U-LAM-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°	40.7	40.9	41.1	41.1	41.1	40.9	40.7	40.5	40.1	39.7	39.2
85°	150.9	151.9	152.6	152.8	152.6	151.9	150.9	149.4	147.5	145.2	142.4
82.5°	311.2	313.5	314.9	315.4	314.9	313.5	311.2	307.9	303.8	298.7	292.7
80°	488.3	491.7	493.8	494.5	493.8	491.7	488.3	483.5	477.4	469.9	461.0
77.5°	657.9	662.0	664.5	665.3	664.5	662.0	657.9	652.1	644.7	635.8	625.2
75°	848.9	854.6	858.0	859.1	858.0	854.6	848.9	841.0	830.9	818.6	804.1
72.5°	1098.1	1106.8	1112.0	1113.8	1112.0	1106.8	1098.1	1085.9	1070.2	1051.2	1028.8
70°	1412.7	1425.5	1433.1	1435.7	1433.1	1425.5	1412.7	1394.9	1372.1	1344.4	1311.8
67.5°	1790.5	1807.9	1818.3	1821.8	1818.3	1807.9	1790.5	1766.2	1735.1	1697.3	1652.8
65°	2275.6	2300.9	2316.1	2321.2	2316.1	2300.9	2275.6	2240.3	2195.0	2140.0	2075.4
62.5°	2841.9	2874.7	2894.4	2901.0	2894.4	2874.7	2841.9	2796.1	2737.6	2666.4	2582.8
60°	3431.4	3468.9	3491.5	3499.0	3491.5	3468.9	3431.4	3379.1	3312.2	3230.9	3135.5
57.5°	3999.4	4039.0	4062.8	4070.7	4062.8	4039.0	3999.4	3944.3	3873.8	3788.2	3687.9
55°	4507.3	4545.7	4568.9	4576.6	4568.9	4545.7	4507.3	4453.7	4385.3	4302.2	4205.0
52.5°	4964.8	5002.8	5025.7	5033.3	5025.7	5002.8	4964.8	4911.8	4844.2	4762.3	4666.4
50°	5378.0	5415.5	5438.1	5445.6	5438.1	5415.5	5378.0	5325.8	5259.2	5178.6	5084.3
47.5°	5757.2	5794.8	5817.5	5825.1	5817.5	5794.8	5757.2	5704.8	5638.0	5557.3	5463.0
45°	6089.5	6125.0	6146.4	6153.6	6146.4	6125.0	6089.5	6040.1	5977.2	5901.2	5810.8
42.5°	6376.0	6409.4	6429.5	6436.2	6429.5	6409.4	6376.0	6329.8	6270.9	6200.0	6111.6
40°	6626.6	6658.5	6677.8	6684.2	6677.8	6658.5	6626.6	6582.4	6526.2	6458.7	6372.4
37.5°	6842.3	6872.1	6890.1	6896.1	6890.1	6872.1	6842.3	6801.2	6749.0	6686.3	6601.7
35°	7024.2	7051.5	7068.0	7073.5	7068.0	7051.5	7024.2	6986.6	6939.0	6879.3	6800.7
32.5°	7178.6	7204.1	7219.5	7224.7	7219.5	7204.1	7178.6	7143.5	7099.3	7041.8	6970.5
30°	7305.5	7328.0	7341.6	7346.2	7341.6	7328.0	7305.5	7274.5	7235.6	7180.8	7114.9
27.5°	7406.2	7425.6	7437.5	7441.5	7437.5	7425.6	7406.2	7379.4	7346.0	7295.5	7238.0
25°	7472.4	7484.3	7491.6	7494.1	7491.6	7484.3	7472.4	7456.1	7431.2	7388.0	7337.0
22.5°	7501.1	7504.5	7506.5	7507.2	7506.5	7504.5	7501.1	7496.6	7481.9	7455.7	7414.0
20°	7503.3	7500.9	7499.5	7499.0	7499.5	7500.9	7503.3	7506.4	7502.2	7495.1	7466.0
17.5°	7489.7	7482.2	7477.6	7476.0	7477.6	7482.2	7489.7	7499.3	7503.6	7505.1	7496.4
15°	7466.9	7455.8	7448.8	7446.4	7448.8	7455.8	7466.9	7480.3	7493.8	7502.6	7505.1
12.5°	7441.3	7429.1	7421.2	7418.5	7421.2	7429.1	7441.3	7457.7	7477.0	7493.8	7503.6
10°	7418.3	7408.0	7401.2	7398.8	7401.2	7408.0	7418.3	7436.4	7457.7	7480.3	7499.3
7.5°	7403.5	7394.2	7389.2	7387.3	7389.2	7394.2	7403.5	7418.3	7441.3	7466.9	7489.7
5°	7394.2	7385.0	7377.3	7374.2	7377.3	7385.0	7394.2	7408.0	7429.1	7455.8	7482.2
2.5°	7389.2	7377.3	7365.5	7359.4	7365.5	7377.3	7389.2	7401.2	7421.2	7448.8	7477.6
0°	7387.3	7374.2	7359.4	7361.0	7359.4	7374.2	7387.3	7398.8	7418.5	7446.4	7476.0
-2.5°	7389.2	7377.3	7365.5	7359.4	7365.5	7377.3	7389.2	7401.2	7421.2	7448.8	7477.6
-5°	7394.2	7385.0	7377.3	7374.2	7377.3	7385.0	7394.2	7408.0	7429.1	7455.8	7482.2
-7.5°	7403.5	7394.2	7389.2	7387.3	7389.2	7394.2	7403.5	7418.3	7441.3	7466.9	7489.7
-10°	7418.3	7408.0	7401.2	7398.8	7401.2	7408.0	7418.3	7436.4	7457.7	7480.3	7499.3
-12.5°	7441.3	7429.1	7421.2	7418.5	7421.2	7429.1	7441.3	7457.7	7477.0	7493.8	7503.6
-15°	7466.9	7455.8	7448.8	7446.4	7448.8	7455.8	7466.9	7480.3	7493.8	7502.6	7505.1
-17.5°	7489.7	7482.2	7477.6	7476.0	7477.6	7482.2	7489.7	7499.3	7503.6	7505.1	7496.4
-20°	7503.3	7500.9	7499.5	7499.0	7499.5	7500.9	7503.3	7506.4	7502.2	7495.1	7466.0

Classified

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REPORT NUMBER: P645468 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4C-730-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	7501.1	7504.5	7506.5	7507.2	7506.5	7504.5	7501.1	7496.6	7481.9	7455.7	7414.0
-25°	7472.4	7484.3	7491.6	7494.1	7491.6	7484.3	7472.4	7456.1	7431.2	7388.0	7337.0
-27.5°	7406.2	7425.6	7437.5	7441.5	7437.5	7425.6	7406.2	7379.4	7346.0	7295.5	7238.0
-30°	7305.5	7328.0	7341.6	7346.2	7341.6	7328.0	7305.5	7274.5	7235.6	7180.8	7114.9
-32.5°	7178.6	7204.1	7219.5	7224.7	7219.5	7204.1	7178.6	7143.5	7099.3	7041.8	6970.5
-35°	7024.2	7051.5	7068.0	7073.5	7068.0	7051.5	7024.2	6986.6	6939.0	6879.3	6800.7
-37.5°	6842.3	6872.1	6890.1	6896.1	6890.1	6872.1	6842.3	6801.2	6749.0	6686.3	6601.7
-40°	6626.6	6658.5	6677.8	6684.2	6677.8	6658.5	6626.6	6582.4	6526.2	6458.7	6372.4
-42.5°	6376.0	6409.4	6429.5	6436.2	6429.5	6409.4	6376.0	6329.8	6270.9	6200.0	6111.6
-45°	6089.5	6125.0	6146.4	6153.6	6146.4	6125.0	6089.5	6040.1	5977.2	5901.2	5810.8
-47.5°	5757.2	5794.8	5817.5	5825.1	5817.5	5794.8	5757.2	5704.8	5638.0	5557.3	5463.0
-50°	5378.0	5415.5	5438.1	5445.6	5438.1	5415.5	5378.0	5325.8	5259.2	5178.6	5084.3
-52.5°	4964.8	5002.8	5025.7	5033.3	5025.7	5002.8	4964.8	4911.8	4844.2	4762.3	4666.4
-55°	4507.3	4545.7	4568.9	4576.6	4568.9	4545.7	4507.3	4453.7	4385.3	4302.2	4205.0
-57.5°	3999.4	4039.0	4062.8	4070.7	4062.8	4039.0	3999.4	3944.3	3873.8	3788.2	3687.9
-60°	3431.4	3468.9	3491.5	3499.0	3491.5	3468.9	3431.4	3379.1	3312.2	3230.9	3135.5
-62.5°	2841.9	2874.7	2894.4	2901.0	2894.4	2874.7	2841.9	2796.1	2737.6	2666.4	2582.8
-65°	2275.6	2300.9	2316.1	2321.2	2316.1	2300.9	2275.6	2240.3	2195.0	2140.0	2075.4
-67.5°	1790.5	1807.9	1818.3	1821.8	1818.3	1807.9	1790.5	1766.2	1735.1	1697.3	1652.8
-70°	1412.7	1425.5	1433.1	1435.7	1433.1	1425.5	1412.7	1394.9	1372.1	1344.4	1311.8
-72.5°	1098.1	1106.8	1112.0	1113.8	1112.0	1106.8	1098.1	1085.9	1070.2	1051.2	1028.8
-75°	848.9	854.6	858.0	859.1	858.0	854.6	848.9	841.0	830.9	818.6	804.1
-77.5°	657.9	662.0	664.5	665.3	664.5	662.0	657.9	652.1	644.7	635.8	625.2
-80°	488.3	491.7	493.8	494.5	493.8	491.7	488.3	483.5	477.4	469.9	461.0
-82.5°	311.2	313.5	314.9	315.4	314.9	313.5	311.2	307.9	303.8	298.7	292.7
-85°	150.9	151.9	152.6	152.8	152.6	151.9	150.9	149.4	147.5	145.2	142.4
-87.5°	40.7	40.9	41.1	41.1	41.1	40.9	40.7	40.5	40.1	39.7	39.2
-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):

	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°	38.6	38.0	37.2	36.5	35.6	34.7	33.7	32.6	31.5	30.3	29.1
85°	139.3	135.8	131.8	127.5	122.8	117.7	112.3	106.6	100.4	94.0	87.3
82.5°	285.8	278.1	269.5	260.0	249.7	238.7	226.8	214.2	200.8	186.8	172.0
80°	450.9	439.5	426.8	412.9	397.7	381.4	364.0	345.4	325.7	306.0	286.3
77.5°	613.0	599.4	584.2	567.5	549.4	529.9	509.0	486.4	461.8	435.9	408.8
75°	787.5	768.7	748.0	725.2	700.4	673.7	647.6	620.8	592.6	562.9	531.8
72.5°	1003.1	974.2	942.1	907.0	868.8	835.2	801.7	766.2	728.7	689.3	650.0
70°	1274.4	1232.3	1185.6	1134.5	1086.2	1039.0	988.5	934.9	878.3	828.5	781.2
67.5°	1601.9	1544.6	1481.0	1415.5	1352.6	1285.0	1212.8	1136.2	1067.6	1000.5	930.4
65°	2001.4	1918.2	1826.0	1747.1	1662.6	1571.8	1475.0	1382.9	1292.7	1198.1	1102.4
62.5°	2487.1	2379.6	2269.1	2157.0	2035.8	1905.6	1779.3	1665.7	1546.1	1423.3	1314.3
60°	3026.4	2904.0	2772.6	2629.1	2474.0	2309.6	2157.0	1995.7	1826.0	1687.7	1544.6
57.5°	3573.2	3442.1	3293.5	3131.3	2956.2	2772.6	2579.1	2374.8	2182.4	1989.0	1795.4
55°	4093.9	3956.3	3801.2	3632.1	3447.3	3243.2	3026.4	2800.8	2568.1	2325.1	2107.0
52.5°	4555.0	4419.5	4270.1	4107.6	3914.4	3703.0	3477.9	3230.9	2972.0	2708.1	2436.4
50°	4970.9	4838.1	4691.9	4528.3	4339.0	4137.1	3904.2	3650.2	3379.1	3089.6	2792.9
47.5°	5348.1	5218.2	5075.4	4908.5	4724.3	4523.1	4293.6	4050.2	3765.8	3468.9	3148.9
45°	5694.7	5565.4	5421.8	5255.1	5076.4	4870.8	4649.0	4399.3	4131.0	3824.1	3499.0
42.5°	6002.9	5882.1	5738.3	5573.4	5392.8	5189.8	4969.9	4722.3	4452.7	4157.2	3824.1
40°	6271.4	6159.3	6018.2	5865.0	5682.5	5483.0	5258.7	5019.9	4746.9	4452.7	4131.0
37.5°	6505.9	6395.0	6263.7	6117.6	5943.1	5748.9	5526.4	5281.8	5019.9	4722.3	4399.3
35°	6712.3	6603.1	6479.5	6334.7	6174.7	5982.6	5771.2	5526.4	5258.7	4969.9	4649.0
32.5°	6889.5	6784.8	6669.4	6528.0	6370.6	6192.2	5982.6	5748.9	5483.0	5189.8	4870.8
30°	7035.8	6941.5	6829.1	6700.3	6544.4	6370.6	6174.7	5943.1	5682.5	5392.8	5076.4
27.5°	7161.9	7075.5	6967.4	6844.1	6700.3	6528.0	6334.7	6117.6	5865.0	5573.4	5255.1
25°	7268.0	7185.9	7087.1	6967.4	6829.1	6669.4	6479.5	6263.7	6018.2	5738.3	5421.8
22.5°	7355.6	7278.2	7185.9	7075.5	6941.5	6784.8	6603.1	6395.0	6159.3	5882.1	5565.4
20°	7422.8	7355.6	7268.0	7161.9	7035.8	6889.5	6712.3	6505.9	6271.4	6002.9	5694.7
17.5°	7466.0	7414.0	7337.0	7238.0	7114.9	6970.5	6800.7	6601.7	6372.4	6111.6	5810.8
15°	7495.1	7455.7	7388.0	7295.5	7180.8	7041.8	6879.3	6686.3	6458.7	6200.0	5901.2
12.5°	7502.2	7481.9	7431.2	7346.0	7235.6	7099.3	6939.0	6749.0	6526.2	6270.9	5977.2
10°	7506.4	7496.6	7456.1	7379.4	7274.5	7143.5	6986.6	6801.2	6582.4	6329.8	6040.1
7.5°	7503.3	7501.1	7472.4	7406.2	7305.5	7178.6	7024.2	6842.3	6626.6	6376.0	6089.5
5°	7500.9	7504.5	7484.3	7425.6	7328.0	7204.1	7051.5	6872.1	6658.5	6409.4	6125.0
2.5°	7499.5	7506.5	7491.6	7437.5	7341.6	7219.5	7068.0	6890.1	6677.8	6429.5	6146.4
0°	7499.0	7507.2	7494.1	7441.5	7346.2	7224.7	7073.5	6896.1	6684.2	6436.2	6153.6
-2.5°	7499.5	7506.5	7491.6	7437.5	7341.6	7219.5	7068.0	6890.1	6677.8	6429.5	6146.4
-5°	7500.9	7504.5	7484.3	7425.6	7328.0	7204.1	7051.5	6872.1	6658.5	6409.4	6125.0
-7.5°	7503.3	7501.1	7472.4	7406.2	7305.5	7178.6	7024.2	6842.3	6626.6	6376.0	6089.5
-10°	7506.4	7496.6	7456.1	7379.4	7274.5	7143.5	6986.6	6801.2	6582.4	6329.8	6040.1
-12.5°	7502.2	7481.9	7431.2	7346.0	7235.6	7099.3	6939.0	6749.0	6526.2	6270.9	5977.2
-15°	7495.1	7455.7	7388.0	7295.5	7180.8	7041.8	6879.3	6686.3	6458.7	6200.0	5901.2
-17.5°	7466.0	7414.0	7337.0	7238.0	7114.9	6970.5	6800.7	6601.7	6372.4	6111.6	5810.8
-20°	7422.8	7355.6	7268.0	7161.9	7035.8	6889.5	6712.3	6505.9	6271.4	6002.9	5694.7

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REPORT NUMBER: P645468 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	7355.6	7278.2	7185.9	7075.5	6941.5	6784.8	6603.1	6395.0	6159.3	5882.1	5565.4
-25°	7268.0	7185.9	7087.1	6967.4	6829.1	6669.4	6479.5	6263.7	6018.2	5738.3	5421.8
-27.5°	7161.9	7075.5	6967.4	6844.1	6700.3	6528.0	6334.7	6117.6	5865.0	5573.4	5255.1
-30°	7035.8	6941.5	6829.1	6700.3	6544.4	6370.6	6174.7	5943.1	5682.5	5392.8	5076.4
-32.5°	6889.5	6784.8	6669.4	6528.0	6370.6	6192.2	5982.6	5748.9	5483.0	5189.8	4870.8
-35°	6712.3	6603.1	6479.5	6334.7	6174.7	5982.6	5771.2	5526.4	5258.7	4969.9	4649.0
-37.5°	6505.9	6395.0	6263.7	6117.6	5943.1	5748.9	5526.4	5281.8	5019.9	4722.3	4399.3
-40°	6271.4	6159.3	6018.2	5865.0	5682.5	5483.0	5258.7	5019.9	4746.9	4452.7	4131.0
-42.5°	6002.9	5882.1	5738.3	5573.4	5392.8	5189.8	4969.9	4722.3	4452.7	4157.2	3824.1
-45°	5694.7	5565.4	5421.8	5255.1	5076.4	4870.8	4649.0	4399.3	4131.0	3824.1	3499.0
-47.5°	5348.1	5218.2	5075.4	4908.5	4724.3	4523.1	4293.6	4050.2	3765.8	3468.9	3148.9
-50°	4970.9	4838.1	4691.9	4528.3	4339.0	4137.1	3904.2	3650.2	3379.1	3089.6	2792.9
-52.5°	4555.0	4419.5	4270.1	4107.6	3914.4	3703.0	3477.9	3230.9	2972.0	2708.1	2436.4
-55°	4093.9	3956.3	3801.2	3632.1	3447.3	3243.2	3026.4	2800.8	2568.1	2325.1	2107.0
-57.5°	3573.2	3442.1	3293.5	3131.3	2956.2	2772.6	2579.1	2374.8	2182.4	1989.0	1795.4
-60°	3026.4	2904.0	2772.6	2629.1	2474.0	2309.6	2157.0	1995.7	1826.0	1687.7	1544.6
-62.5°	2487.1	2379.6	2269.1	2157.0	2035.8	1905.6	1779.3	1665.7	1546.1	1423.3	1314.3
-65°	2001.4	1918.2	1826.0	1747.1	1662.6	1571.8	1475.0	1382.9	1292.7	1198.1	1102.4
-67.5°	1601.9	1544.6	1481.0	1415.5	1352.6	1285.0	1212.8	1136.2	1067.6	1000.5	930.4
-70°	1274.4	1232.3	1185.6	1134.5	1086.2	1039.0	988.5	934.9	878.3	828.5	781.2
-72.5°	1003.1	974.2	942.1	907.0	868.8	835.2	801.7	766.2	728.7	689.3	650.0
-75°	787.5	768.7	748.0	725.2	700.4	673.7	647.6	620.8	592.6	562.9	531.8
-77.5°	613.0	599.4	584.2	567.5	549.4	529.9	509.0	486.4	461.8	435.9	408.8
-80°	450.9	439.5	426.8	412.9	397.7	381.4	364.0	345.4	325.7	306.0	286.3
-82.5°	285.8	278.1	269.5	260.0	249.7	238.7	226.8	214.2	200.8	186.8	172.0
-85°	139.3	135.8	131.8	127.5	122.8	117.7	112.3	106.6	100.4	94.0	87.3
-87.5°	38.6	38.0	37.2	36.5	35.6	34.7	33.7	32.6	31.5	30.3	29.1
-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: P645468 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	27.8	26.4	25.0	23.6	22.1	20.5	19.0	17.4	15.7	14.1	12.4
85°	80.2	72.9	65.3	57.4	49.3	41.1	37.9	34.7	31.4	28.1	24.7
82.5°	156.6	144.4	133.0	121.2	109.1	96.6	83.8	70.7	57.3	43.7	37.0
80°	265.8	244.4	222.3	199.4	175.8	151.9	134.9	117.4	99.6	81.5	63.1
77.5°	380.5	351.0	320.5	291.4	262.0	231.7	200.7	168.9	141.7	119.1	96.1
75°	499.3	464.2	427.5	389.7	350.8	311.2	274.0	236.0	197.3	157.9	128.8
72.5°	612.1	572.7	531.9	489.6	444.2	397.6	349.9	302.5	257.4	211.5	165.0
70°	732.0	680.8	632.3	584.2	534.8	483.5	429.1	373.5	316.9	264.5	211.5
67.5°	857.8	800.2	740.6	679.2	622.0	564.9	506.6	444.9	381.4	316.9	257.4
65°	1021.1	936.8	852.0	783.8	713.7	644.7	580.1	514.2	444.9	373.5	302.5
62.5°	1201.0	1089.9	994.1	895.6	809.9	731.1	652.4	580.1	506.6	429.1	349.9
60°	1402.6	1274.4	1142.2	1028.8	918.6	818.6	731.1	644.7	564.9	483.5	397.6
57.5°	1634.0	1467.3	1318.8	1171.7	1040.4	918.6	809.9	713.7	622.0	534.8	444.2
55°	1881.6	1688.2	1503.1	1333.7	1171.7	1028.8	895.6	783.8	679.2	584.2	489.6
52.5°	2178.3	1928.8	1706.3	1503.1	1318.8	1142.2	994.1	852.0	740.6	632.3	531.9
50°	2492.4	2202.2	1928.8	1688.2	1467.3	1274.4	1089.9	936.8	800.2	680.8	572.7
47.5°	2821.3	2492.4	2178.3	1881.6	1634.0	1402.6	1201.0	1021.1	857.8	732.0	612.1
45°	3148.9	2792.9	2436.4	2107.0	1795.4	1544.6	1314.3	1102.4	930.4	781.2	650.0
42.5°	3468.9	3089.6	2708.1	2325.1	1989.0	1687.7	1423.3	1198.1	1000.5	828.5	689.3
40°	3765.8	3379.1	2972.0	2568.1	2182.4	1826.0	1546.1	1292.7	1067.6	878.3	728.7
37.5°	4050.2	3650.2	3230.9	2800.8	2374.8	1995.7	1665.7	1382.9	1136.2	934.9	766.2
35°	4293.6	3904.2	3477.9	3026.4	2579.1	2157.0	1779.3	1475.0	1212.8	988.5	801.7
32.5°	4523.1	4137.1	3703.0	3243.2	2772.6	2309.6	1905.6	1571.8	1285.0	1039.0	835.2
30°	4724.3	4339.0	3914.4	3447.3	2956.2	2474.0	2035.8	1662.6	1352.6	1086.2	868.8
27.5°	4908.5	4528.3	4107.6	3632.1	3131.3	2629.1	2157.0	1747.1	1415.5	1134.5	907.0
25°	5075.4	4691.9	4270.1	3801.2	3293.5	2772.6	2269.1	1826.0	1481.0	1185.6	942.1
22.5°	5218.2	4838.1	4419.5	3956.3	3442.1	2904.0	2379.6	1918.2	1544.6	1232.3	974.2
20°	5348.1	4970.9	4555.0	4093.9	3573.2	3026.4	2487.1	2001.4	1601.9	1274.4	1003.1
17.5°	5463.0	5084.3	4666.4	4205.0	3687.9	3135.5	2582.8	2075.4	1652.8	1311.8	1028.8
15°	5557.3	5178.6	4762.3	4302.2	3788.2	3230.9	2666.4	2140.0	1697.3	1344.4	1051.2
12.5°	5638.0	5259.2	4844.2	4385.3	3873.8	3312.2	2737.6	2195.0	1735.1	1372.1	1070.2
10°	5704.8	5325.8	4911.8	4453.7	3944.3	3379.1	2796.1	2240.3	1766.2	1394.9	1085.9
7.5°	5757.2	5378.0	4964.8	4507.3	3999.4	3431.4	2841.9	2275.6	1790.5	1412.7	1098.1
5°	5794.8	5415.5	5002.8	4545.7	4039.0	3468.9	2874.7	2300.9	1807.9	1425.5	1106.8
2.5°	5817.5	5438.1	5025.7	4568.9	4062.8	3491.5	2894.4	2316.1	1818.3	1433.1	1112.0
0°	5825.1	5445.6	5033.3	4576.6	4070.7	3499.0	2901.0	2321.2	1821.8	1435.7	1113.8
-2.5°	5817.5	5438.1	5025.7	4568.9	4062.8	3491.5	2894.4	2316.1	1818.3	1433.1	1112.0
-5°	5794.8	5415.5	5002.8	4545.7	4039.0	3468.9	2874.7	2300.9	1807.9	1425.5	1106.8
-7.5°	5757.2	5378.0	4964.8	4507.3	3999.4	3431.4	2841.9	2275.6	1790.5	1412.7	1098.1
-10°	5704.8	5325.8	4911.8	4453.7	3944.3	3379.1	2796.1	2240.3	1766.2	1394.9	1085.9
-12.5°	5638.0	5259.2	4844.2	4385.3	3873.8	3312.2	2737.6	2195.0	1735.1	1372.1	1070.2
-15°	5557.3	5178.6	4762.3	4302.2	3788.2	3230.9	2666.4	2140.0	1697.3	1344.4	1051.2
-17.5°	5463.0	5084.3	4666.4	4205.0	3687.9	3135.5	2582.8	2075.4	1652.8	1311.8	1028.8
-20°	5348.1	4970.9	4555.0	4093.9	3573.2	3026.4	2487.1	2001.4	1601.9	1274.4	1003.1



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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°	5218.2	4838.1	4419.5	3956.3	3442.1	2904.0	2379.6	1918.2	1544.6	1232.3	974.2
-25°	5075.4	4691.9	4270.1	3801.2	3293.5	2772.6	2269.1	1826.0	1481.0	1185.6	942.1
-27.5°	4908.5	4528.3	4107.6	3632.1	3131.3	2629.1	2157.0	1747.1	1415.5	1134.5	907.0
-30°	4724.3	4339.0	3914.4	3447.3	2956.2	2474.0	2035.8	1662.6	1352.6	1086.2	868.8
-32.5°	4523.1	4137.1	3703.0	3243.2	2772.6	2309.6	1905.6	1571.8	1285.0	1039.0	835.2
-35°	4293.6	3904.2	3477.9	3026.4	2579.1	2157.0	1779.3	1475.0	1212.8	988.5	801.7
-37.5°	4050.2	3650.2	3230.9	2800.8	2374.8	1995.7	1665.7	1382.9	1136.2	934.9	766.2
-40°	3765.8	3379.1	2972.0	2568.1	2182.4	1826.0	1546.1	1292.7	1067.6	878.3	728.7
-42.5°	3468.9	3089.6	2708.1	2325.1	1989.0	1687.7	1423.3	1198.1	1000.5	828.5	689.3
-45°	3148.9	2792.9	2436.4	2107.0	1795.4	1544.6	1314.3	1102.4	930.4	781.2	650.0
-47.5°	2821.3	2492.4	2178.3	1881.6	1634.0	1402.6	1201.0	1021.1	857.8	732.0	612.1
-50°	2492.4	2202.2	1928.8	1688.2	1467.3	1274.4	1089.9	936.8	800.2	680.8	572.7
-52.5°	2178.3	1928.8	1706.3	1503.1	1318.8	1142.2	994.1	852.0	740.6	632.3	531.9
-55°	1881.6	1688.2	1503.1	1333.7	1171.7	1028.8	895.6	783.8	679.2	584.2	489.6
-57.5°	1634.0	1467.3	1318.8	1171.7	1040.4	918.6	809.9	713.7	622.0	534.8	444.2
-60°	1402.6	1274.4	1142.2	1028.8	918.6	818.6	731.1	644.7	564.9	483.5	397.6
-62.5°	1201.0	1089.9	994.1	895.6	809.9	731.1	652.4	580.1	506.6	429.1	349.9
-65°	1021.1	936.8	852.0	783.8	713.7	644.7	580.1	514.2	444.9	373.5	302.5
-67.5°	857.8	800.2	740.6	679.2	622.0	564.9	506.6	444.9	381.4	316.9	257.4
-70°	732.0	680.8	632.3	584.2	534.8	483.5	429.1	373.5	316.9	264.5	211.5
-72.5°	612.1	572.7	531.9	489.6	444.2	397.6	349.9	302.5	257.4	211.5	165.0
-75°	499.3	464.2	427.5	389.7	350.8	311.2	274.0	236.0	197.3	157.9	128.8
-77.5°	380.5	351.0	320.5	291.4	262.0	231.7	200.7	168.9	141.7	119.1	96.1
-80°	265.8	244.4	222.3	199.4	175.8	151.9	134.9	117.4	99.6	81.5	63.1
-82.5°	156.6	144.4	133.0	121.2	109.1	96.6	83.8	70.7	57.3	43.7	37.0
-85°	80.2	72.9	65.3	57.4	49.3	41.1	37.9	34.7	31.4	28.1	24.7
-87.5°	27.8	26.4	25.0	23.6	22.1	20.5	19.0	17.4	15.7	14.1	12.4
-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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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°	10.6	8.9	7.1	5.4	3.6	1.8	0.0
85°	21.2	17.8	14.3	10.7	7.2	3.6	0.0
82.5°	31.8	26.6	21.4	16.0	10.7	5.4	0.0
80°	44.5	35.4	28.4	21.4	14.3	7.1	0.0
77.5°	72.9	49.4	35.4	26.6	17.8	8.9	0.0
75°	101.0	72.9	44.5	31.8	21.2	10.6	0.0
72.5°	128.8	96.1	63.1	37.0	24.7	12.4	0.0
70°	157.9	119.1	81.5	43.7	28.1	14.1	0.0
67.5°	197.3	141.7	99.6	57.3	31.4	15.7	0.0
65°	236.0	168.9	117.4	70.7	34.7	17.4	0.0
62.5°	274.0	200.7	134.9	83.8	37.9	19.0	0.0
60°	311.2	231.7	151.9	96.6	41.1	20.5	0.0
57.5°	350.8	262.0	175.8	109.1	49.3	22.1	0.0
55°	389.7	291.4	199.4	121.2	57.4	23.6	0.0
52.5°	427.5	320.5	222.3	133.0	65.3	25.0	0.0
50°	464.2	351.0	244.4	144.4	72.9	26.4	0.0
47.5°	499.3	380.5	265.8	156.6	80.2	27.8	0.0
45°	531.8	408.8	286.3	172.0	87.3	29.1	0.0
42.5°	562.9	435.9	306.0	186.8	94.0	30.3	0.0
40°	592.6	461.8	325.7	200.8	100.4	31.5	0.0
37.5°	620.8	486.4	345.4	214.2	106.6	32.6	0.0
35°	647.6	509.0	364.0	226.8	112.3	33.7	0.0
32.5°	673.7	529.9	381.4	238.7	117.7	34.7	0.0
30°	700.4	549.4	397.7	249.7	122.8	35.6	0.0
27.5°	725.2	567.5	412.9	260.0	127.5	36.5	0.0
25°	748.0	584.2	426.8	269.5	131.8	37.2	0.0
22.5°	768.7	599.4	439.5	278.1	135.8	38.0	0.0
20°	787.5	613.0	450.9	285.8	139.3	38.6	0.0
17.5°	804.1	625.2	461.0	292.7	142.4	39.2	0.0
15°	818.6	635.8	469.9	298.7	145.2	39.7	0.0
12.5°	830.9	644.7	477.4	303.8	147.5	40.1	0.0
10°	841.0	652.1	483.5	307.9	149.4	40.5	0.0
7.5°	848.9	657.9	488.3	311.2	150.9	40.7	0.0
5°	854.6	662.0	491.7	313.5	151.9	40.9	0.0
2.5°	858.0	664.5	493.8	314.9	152.6	41.1	0.0
0°	859.1	665.3	494.5	315.4	152.8	41.1	0.0
-2.5°	858.0	664.5	493.8	314.9	152.6	41.1	0.0
-5°	854.6	662.0	491.7	313.5	151.9	40.9	0.0
-7.5°	848.9	657.9	488.3	311.2	150.9	40.7	0.0
-10°	841.0	652.1	483.5	307.9	149.4	40.5	0.0
-12.5°	830.9	644.7	477.4	303.8	147.5	40.1	0.0
-15°	818.6	635.8	469.9	298.7	145.2	39.7	0.0
-17.5°	804.1	625.2	461.0	292.7	142.4	39.2	0.0
-20°	787.5	613.0	450.9	285.8	139.3	38.6	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	768.7	599.4	439.5	278.1	135.8	38.0	0.0
-25°	748.0	584.2	426.8	269.5	131.8	37.2	0.0
-27.5°	725.2	567.5	412.9	260.0	127.5	36.5	0.0
-30°	700.4	549.4	397.7	249.7	122.8	35.6	0.0
-32.5°	673.7	529.9	381.4	238.7	117.7	34.7	0.0
-35°	647.6	509.0	364.0	226.8	112.3	33.7	0.0
-37.5°	620.8	486.4	345.4	214.2	106.6	32.6	0.0
-40°	592.6	461.8	325.7	200.8	100.4	31.5	0.0
-42.5°	562.9	435.9	306.0	186.8	94.0	30.3	0.0
-45°	531.8	408.8	286.3	172.0	87.3	29.1	0.0
-47.5°	499.3	380.5	265.8	156.6	80.2	27.8	0.0
-50°	464.2	351.0	244.4	144.4	72.9	26.4	0.0
-52.5°	427.5	320.5	222.3	133.0	65.3	25.0	0.0
-55°	389.7	291.4	199.4	121.2	57.4	23.6	0.0
-57.5°	350.8	262.0	175.8	109.1	49.3	22.1	0.0
-60°	311.2	231.7	151.9	96.6	41.1	20.5	0.0
-62.5°	274.0	200.7	134.9	83.8	37.9	19.0	0.0
-65°	236.0	168.9	117.4	70.7	34.7	17.4	0.0
-67.5°	197.3	141.7	99.6	57.3	31.4	15.7	0.0
-70°	157.9	119.1	81.5	43.7	28.1	14.1	0.0
-72.5°	128.8	96.1	63.1	37.0	24.7	12.4	0.0
-75°	101.0	72.9	44.5	31.8	21.2	10.6	0.0
-77.5°	72.9	49.4	35.4	26.6	17.8	8.9	0.0
-80°	44.5	35.4	28.4	21.4	14.3	7.1	0.0
-82.5°	31.8	26.6	21.4	16.0	10.7	5.4	0.0
-85°	21.2	17.8	14.3	10.7	7.2	3.6	0.0
-87.5°	10.6	8.9	7.1	5.4	3.6	1.8	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)