

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: P645483 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA4D-740-U-LAM-VSR-XX

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-2019
Report Number: P645483 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-22)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 5/4/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA4D-740-U-LAM-VSR-XX
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, LAMBERTIAN WITH VISOR
Light Source: (64) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

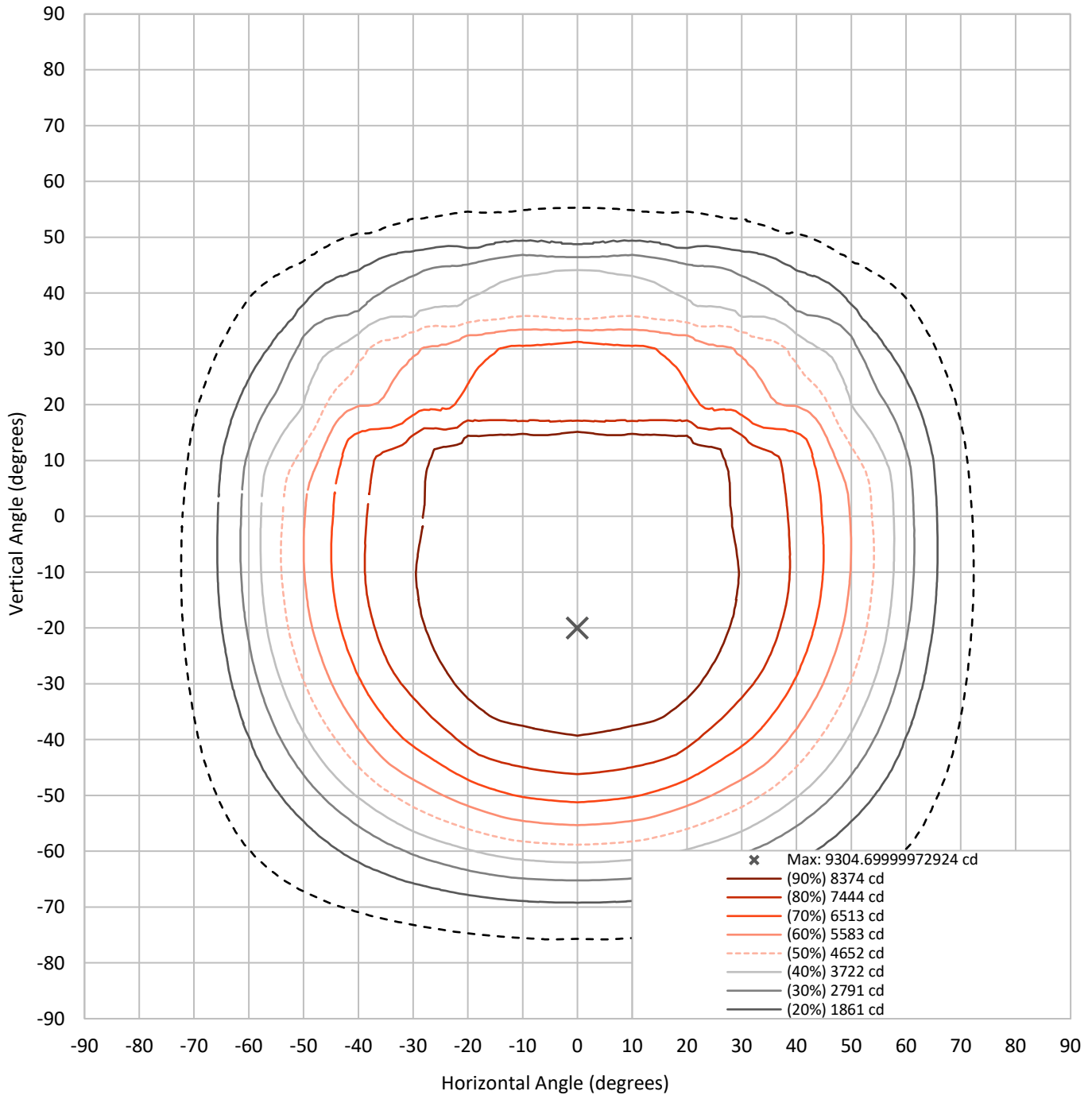
Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	21817.8 lumens	Max Intensity:	9304.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -20°V
Efficacy:	98.5 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')		
Beam Angle (50%):	105.6°H x 93.7°V	Field Angle (10%):	144°H x 131.2°V
Beam Lumens:	17055.8 lumens	Field Lumens:	21384.5 lumens
Beam Efficiency:	78.2%	Field Efficiency:	98.0%
Input Watts (W):	221.4		
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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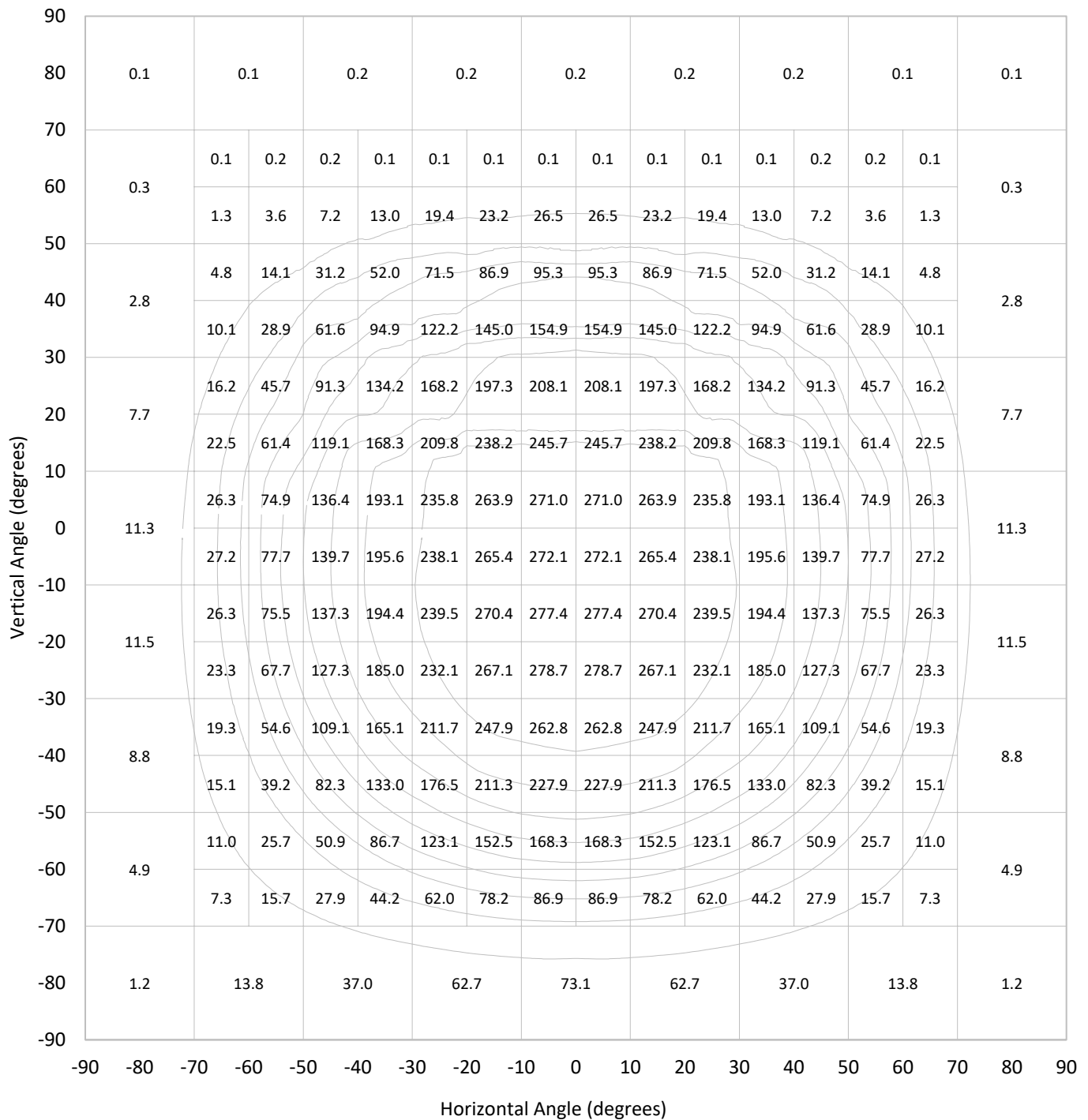
Iso-Candela Plot





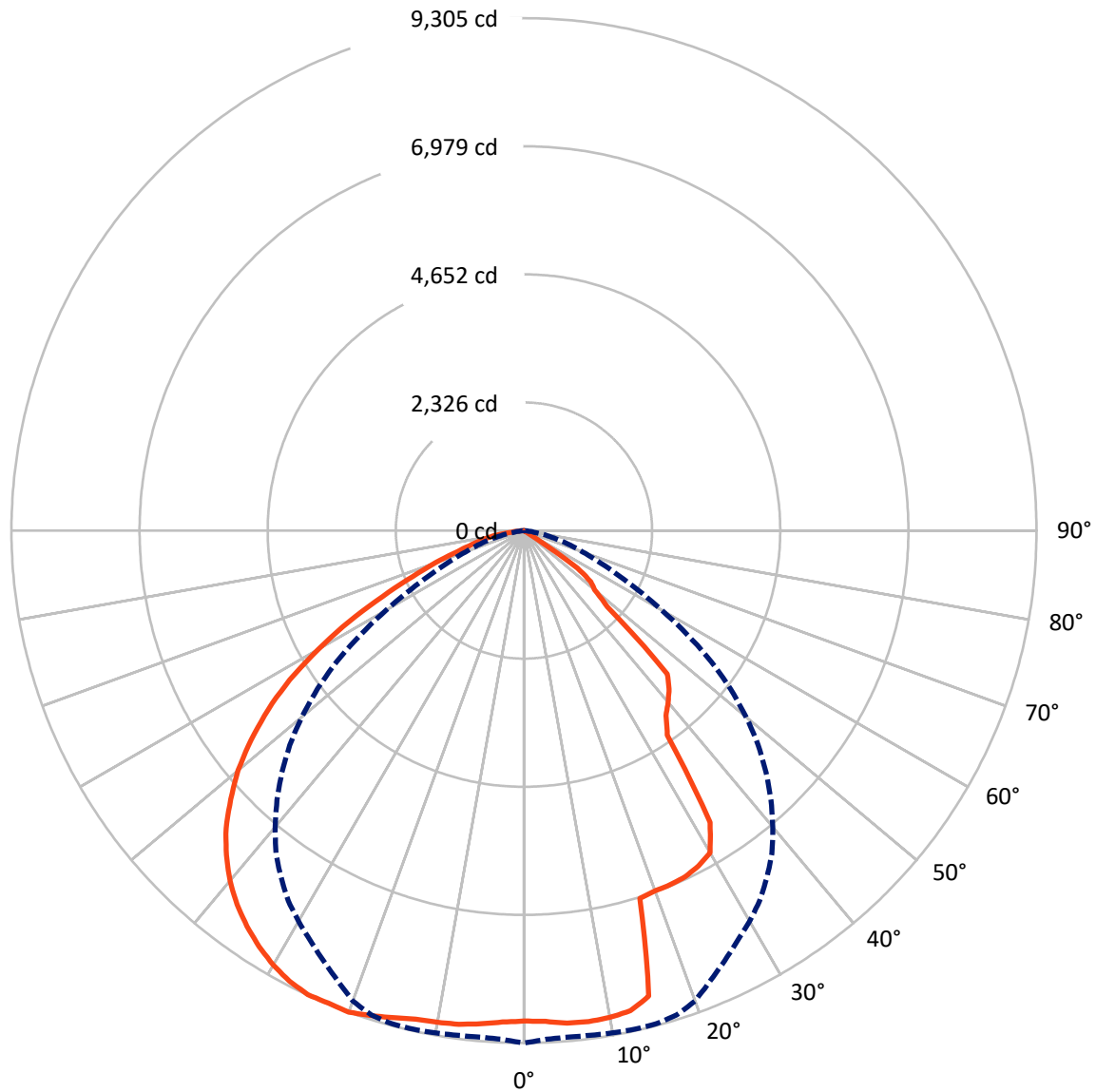
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Lumen Table



REPORT NUMBER: P645483 (CONVERTED FROM TYPE C PHOTOMETRY)
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Luminous Intensity Polar Plot

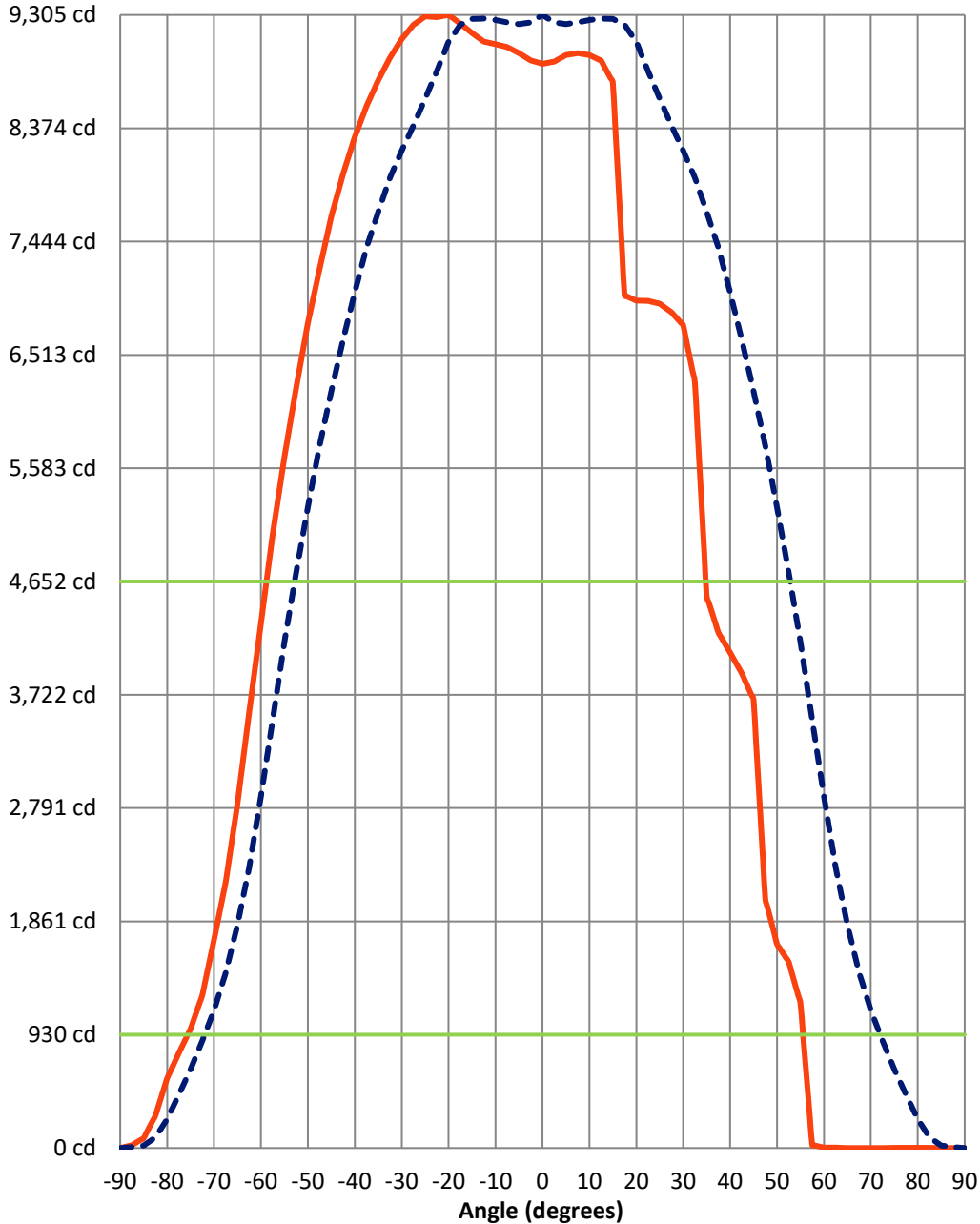


— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through -20-Deg



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Luminous Intensity Plot



Beam:
 H Angle: 105.6°
 V Angle: 93.7°
 Lumens: 17055.8
 Efficiency: 78.2%

Field:
 H Angle: 144°
 V Angle: 131.2°
 Lumens: 21384.5
 Efficiency: 98.0%

Spill:
 Lumens: 433.3
 Efficiency: 2.0%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through -20-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	0.2	0.3	0.5	0.7	0.9	1.0	1.1	1.0	1.0	0.8
85°	0.0	0.4	0.7	1.0	1.4	1.7	2.1	2.1	2.1	1.9	1.7
82.5°	0.0	0.7	1.0	1.6	2.1	2.6	3.1	3.2	3.0	2.5	2.0
80°	0.0	0.9	1.4	2.1	2.8	3.4	4.0	3.5	3.1	2.6	2.1
77.5°	0.0	1.1	1.7	2.6	3.4	4.0	4.0	3.6	3.1	2.6	2.1
75°	0.0	1.3	2.1	3.1	4.0	4.2	4.1	3.6	3.1	2.6	2.2
72.5°	0.0	1.5	2.5	3.6	4.2	4.3	4.1	3.7	3.2	2.7	2.2
70°	0.0	1.7	2.8	4.0	4.4	4.5	4.2	3.7	3.2	2.8	3.2
67.5°	0.0	1.9	3.2	4.2	4.6	4.6	4.7	3.8	3.3	4.4	4.5
65°	0.0	2.2	3.5	4.4	4.8	5.3	5.4	3.8	5.3	6.2	7.8
62.5°	0.0	2.4	3.9	4.6	5.0	6.6	6.3	5.3	7.4	10.9	17.3
60°	0.0	2.6	4.3	4.8	5.3	8.0	7.4	7.5	9.5	27.6	30.0
57.5°	0.0	2.8	4.5	5.1	6.8	9.6	13.6	10.6	27.0	46.9	54.5
55°	0.0	3.0	4.7	5.3	8.4	11.3	21.7	17.1	50.1	72.3	88.1
52.5°	0.0	3.2	4.9	5.5	10.2	14.5	31.1	43.5	75.2	113.5	127.8
50°	0.0	3.4	5.2	5.7	12.0	24.7	41.9	73.5	107.6	159.2	199.7
47.5°	0.0	3.6	5.4	6.2	13.9	35.7	56.4	105.0	155.0	209.7	273.1
45°	0.0	3.7	5.6	7.8	15.9	47.4	85.0	137.9	208.0	273.3	344.4
42.5°	0.0	3.9	5.9	9.3	17.9	59.9	114.4	179.6	262.0	335.3	426.6
40°	0.0	4.1	6.1	11.2	24.1	73.1	144.4	227.1	317.6	396.1	514.6
37.5°	0.0	4.3	6.4	13.6	34.5	87.1	174.9	274.7	376.0	469.1	606.5
35°	0.0	4.4	6.6	16.2	45.0	108.2	206.0	322.3	435.2	558.8	715.1
32.5°	0.0	4.6	6.9	19.1	55.7	132.7	239.7	369.7	495.2	649.0	847.2
30°	0.0	4.8	7.2	22.3	66.4	157.0	278.2	417.5	555.8	739.5	973.9
27.5°	0.0	4.9	7.4	25.7	79.7	181.0	315.9	467.3	622.3	829.8	1095.0
25°	0.0	5.1	7.7	29.2	93.2	204.6	352.8	516.6	697.3	928.4	1210.4
22.5°	0.0	5.2	7.9	32.9	106.8	228.7	388.5	565.1	770.9	1027.0	1327.3
20°	0.0	5.3	8.2	36.7	120.2	254.6	423.1	612.6	842.5	1120.0	1441.3
17.5°	0.0	5.4	8.4	40.5	133.4	279.6	457.3	658.7	911.9	1207.2	1551.8
15°	0.0	5.5	8.7	44.4	146.3	303.6	490.2	701.6	978.5	1288.6	1658.0
12.5°	0.0	5.6	8.9	48.3	158.8	326.6	520.9	739.8	1031.7	1364.0	1758.9
10°	0.0	5.7	9.1	52.1	170.7	348.2	549.4	775.0	1071.3	1409.3	1841.2
7.5°	0.0	5.8	9.3	55.8	181.9	368.5	575.6	807.1	1105.1	1444.3	1889.2
5°	0.0	5.9	9.5	59.3	192.4	387.2	599.5	836.0	1133.2	1472.5	1928.2
2.5°	0.0	6.0	9.7	62.6	202.0	404.1	620.8	861.7	1156.1	1494.3	1958.0
0°	0.0	6.0	9.9	65.6	210.6	419.2	639.7	884.0	1174.0	1509.7	1978.5
-2.5°	0.0	6.3	11.5	69.9	218.6	428.8	649.1	897.0	1180.4	1529.2	1991.9
-5°	0.0	6.7	13.0	73.8	225.4	436.3	655.9	906.6	1182.7	1541.9	1996.1
-7.5°	0.0	7.0	14.5	77.3	231.0	441.8	660.3	912.5	1181.0	1547.0	1991.7
-10°	0.0	7.3	15.9	80.3	235.2	445.2	662.2	914.8	1176.0	1544.0	1979.0
-12.5°	0.0	7.5	17.3	82.9	238.0	446.6	661.9	913.3	1167.8	1531.5	1957.3
-15°	0.0	7.8	18.6	84.9	239.3	445.9	659.3	907.9	1158.6	1507.3	1925.8
-17.5°	0.0	8.0	19.8	86.4	239.2	443.3	654.4	896.9	1147.4	1476.9	1884.8
-20°	0.0	8.2	20.9	87.3	237.4	438.6	647.0	881.3	1131.3	1440.7	1834.3

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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	8.4	21.9	87.6	234.1	431.8	636.1	862.5	1110.5	1399.0	1774.2
-25°	0.0	8.5	22.7	87.2	229.1	421.5	622.8	840.7	1084.6	1352.1	1704.7
-27.5°	0.0	8.6	23.5	86.1	222.4	408.5	607.0	816.0	1053.9	1306.6	1643.1
-30°	0.0	8.6	24.1	84.3	214.1	393.8	588.7	788.4	1020.3	1268.2	1577.3
-32.5°	0.0	8.7	24.6	81.8	204.4	377.3	567.9	762.9	984.6	1223.8	1506.9
-35°	0.0	8.7	24.9	78.6	193.5	359.1	545.5	736.0	946.0	1173.4	1432.2
-37.5°	0.0	8.6	25.1	74.7	181.6	340.9	521.3	706.3	904.7	1117.2	1358.5
-40°	0.0	8.5	25.1	70.0	168.6	324.3	495.3	673.8	860.7	1064.1	1285.7
-42.5°	0.0	8.4	25.0	65.0	158.8	306.6	467.5	638.5	818.3	1007.9	1207.4
-45°	0.0	8.2	24.7	59.9	152.1	287.7	438.0	602.1	774.8	948.0	1126.1
-47.5°	0.0	8.0	24.2	54.1	144.1	267.8	406.7	565.6	728.3	885.2	1055.8
-50°	0.0	7.8	23.6	52.2	135.0	246.7	380.6	527.4	676.8	827.6	982.2
-52.5°	0.0	7.5	22.9	51.2	124.7	224.7	354.5	487.4	627.6	768.2	906.8
-55°	0.0	7.2	22.0	49.6	113.3	208.1	327.3	446.9	578.2	707.3	839.8
-57.5°	0.0	6.8	20.9	47.4	100.8	191.1	299.2	414.8	527.1	648.8	771.3
-60°	0.0	6.4	19.8	44.7	87.7	172.7	270.6	379.2	475.9	589.7	702.9
-62.5°	0.0	6.0	18.6	41.6	81.5	152.7	244.5	340.6	428.6	529.0	635.9
-65°	0.0	5.6	17.2	37.9	74.4	131.4	216.5	300.5	378.5	468.1	567.2
-67.5°	0.0	5.1	15.8	33.8	66.5	113.6	186.7	260.7	325.7	404.6	493.2
-70°	0.0	4.6	14.3	29.4	57.8	99.4	155.4	219.9	278.4	338.1	414.3
-72.5°	0.0	4.1	12.7	25.9	48.5	84.2	131.4	178.3	230.3	283.1	336.5
-75°	0.0	3.5	11.0	22.5	38.6	68.0	107.4	143.7	181.3	227.3	273.9
-77.5°	0.0	3.0	9.3	19.0	31.9	51.0	82.2	111.0	141.0	173.4	210.4
-80°	0.0	2.4	7.5	15.3	25.8	38.8	56.1	77.8	101.0	126.1	153.0
-82.5°	0.0	1.8	5.7	11.6	19.5	29.4	41.2	49.9	60.3	78.0	97.1
-85°	0.0	1.2	3.8	7.8	13.1	19.7	27.6	33.4	39.3	45.5	52.0
-87.5°	0.0	0.6	1.9	3.9	6.5	9.9	13.9	16.7	19.7	22.8	26.0
-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-SA4D-740-U-LAM-VSR-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°	0.9	1.0	1.1	1.1	1.2	1.3	1.4	1.4	1.5	1.5	1.6
85°	1.8	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
82.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
80°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
77.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
75°	2.0	2.0	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0
72.5°	2.3	2.6	2.5	2.2	2.0	2.0	2.0	2.0	2.0	2.0	2.0
70°	3.1	3.2	2.8	2.3	2.0	2.1	2.3	2.2	2.0	2.0	2.0
67.5°	3.9	3.4	2.9	2.7	2.8	3.0	2.9	2.5	2.0	2.0	2.1
65°	3.9	3.5	5.0	5.6	4.2	3.5	3.1	2.6	2.7	2.9	2.9
62.5°	5.9	7.4	9.5	16.8	12.6	3.7	6.6	7.7	5.7	4.7	5.0
60°	19.4	13.2	39.2	56.1	35.0	12.8	15.6	51.9	45.0	8.3	28.1
57.5°	40.8	56.0	103.1	105.0	72.6	50.1	145.7	168.3	127.4	74.3	113.7
55°	89.8	138.0	171.0	158.2	172.8	261.7	311.0	279.4	235.2	361.8	462.2
52.5°	175.4	224.6	235.8	270.8	387.5	445.2	426.6	456.3	591.7	734.9	765.9
50°	259.0	299.2	330.6	478.0	569.4	575.1	617.6	751.8	932.4	1020.0	998.8
47.5°	339.7	381.5	527.5	669.1	710.2	766.4	872.5	1131.5	1322.8	1326.6	1304.9
45°	425.2	536.5	722.9	815.3	881.8	990.6	1246.9	1604.1	1622.7	1674.5	1993.8
42.5°	516.6	711.6	874.2	970.3	1077.8	1280.8	1622.8	1857.2	1937.8	2164.9	2421.7
40°	664.5	880.7	1022.7	1145.5	1283.9	1580.1	1954.6	2174.2	2239.7	2436.3	2629.4
37.5°	814.6	1021.9	1181.1	1329.2	1521.0	1920.8	2354.1	2535.1	2568.3	2604.3	3031.9
35°	959.2	1166.7	1357.3	1551.2	1786.3	2361.8	2740.5	2910.8	2905.6	3148.3	3596.1
32.5°	1094.3	1314.7	1539.7	1799.0	2187.0	2776.6	3155.5	3257.4	3412.1	3765.3	4376.6
30°	1229.3	1479.9	1738.2	2047.1	2538.7	3049.7	3482.2	3646.2	3911.2	4314.4	4759.2
27.5°	1368.3	1649.2	1961.6	2323.6	2816.2	3286.0	3655.4	4047.3	4304.7	4666.0	4982.5
25°	1506.8	1828.5	2182.1	2565.3	3014.6	3452.4	3834.5	4287.1	4563.5	4854.8	5150.0
22.5°	1652.0	2010.2	2409.6	2756.8	3181.8	3593.8	4048.7	4539.7	4899.0	5084.2	5282.4
20°	1803.8	2206.9	2632.9	3017.5	3346.9	3725.2	4263.8	4860.3	5324.3	5532.6	5559.8
17.5°	1953.4	2397.4	2855.4	3271.8	3627.1	3963.9	4489.7	5244.5	5821.5	6015.2	6101.3
15°	2099.3	2580.6	3076.8	3519.3	3909.3	4321.1	4882.7	5650.3	6309.9	6524.2	6659.7
12.5°	2240.1	2755.4	3294.5	3758.6	4191.8	4653.7	5239.5	5942.2	6544.2	6958.8	7207.5
10°	2374.3	2920.4	3505.9	3988.3	4471.0	4962.2	5534.8	6159.7	6649.8	7049.6	7402.6
7.5°	2442.0	3028.2	3687.4	4206.9	4743.2	5247.2	5776.6	6313.0	6725.8	7117.9	7459.2
5°	2488.0	3072.5	3744.1	4283.1	4887.8	5437.4	5951.4	6413.7	6775.4	7164.0	7497.4
2.5°	2520.8	3101.2	3782.5	4324.8	4942.2	5495.9	6001.8	6447.4	6816.3	7197.1	7538.5
0°	2540.7	3114.8	3802.1	4350.4	4976.2	5534.4	6031.0	6460.1	6843.5	7213.0	7580.5
-2.5°	2551.9	3156.5	3815.2	4416.3	5009.0	5567.6	6071.9	6490.8	6891.4	7243.0	7611.4
-5°	2550.5	3181.4	3811.8	4460.7	5024.7	5580.5	6092.4	6504.6	6917.4	7265.5	7624.0
-7.5°	2536.7	3187.1	3794.6	4474.6	5025.4	5576.1	6083.4	6511.3	6917.0	7286.1	7625.2
-10°	2512.0	3164.6	3778.7	4438.7	5006.1	5553.5	6055.9	6496.7	6900.8	7282.0	7618.6
-12.5°	2482.9	3118.2	3745.6	4387.0	4966.9	5511.2	6014.2	6459.5	6870.6	7250.8	7603.4
-15°	2439.2	3056.4	3691.1	4321.3	4907.3	5449.8	5960.1	6398.7	6824.0	7196.3	7558.3
-17.5°	2380.5	2979.8	3614.5	4243.4	4827.1	5369.6	5890.7	6318.6	6741.8	7126.5	7475.9
-20°	2306.5	2889.1	3515.1	4154.8	4725.1	5261.9	5766.7	6214.9	6635.3	7026.6	7393.8



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 CATALOG NUMBER: GFLD-SA4D-740-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	2217.0	2784.9	3395.3	4035.3	4597.9	5128.6	5627.4	6082.8	6518.4	6896.9	7288.1
-25°	2127.4	2674.6	3262.9	3869.9	4450.0	4978.6	5478.8	5922.5	6367.7	6761.4	7133.0
-27.5°	2041.6	2546.8	3109.2	3687.7	4282.5	4808.6	5304.4	5748.3	6180.6	6611.0	6968.7
-30°	1945.3	2398.8	2940.7	3493.4	4073.1	4608.7	5108.3	5568.9	5980.3	6405.3	6789.4
-32.5°	1839.0	2241.9	2762.8	3294.4	3841.2	4388.5	4883.4	5341.0	5768.9	6170.9	6574.1
-35°	1735.1	2115.2	2574.2	3080.8	3595.3	4132.3	4627.5	5080.7	5524.8	5923.0	6308.4
-37.5°	1641.6	1978.0	2373.8	2857.7	3349.4	3857.4	4361.0	4799.7	5222.3	5660.1	6035.9
-40°	1540.4	1830.6	2200.2	2627.9	3091.3	3574.5	4056.7	4510.5	4907.8	5340.5	5753.7
-42.5°	1434.5	1710.6	2029.0	2384.7	2822.2	3277.6	3743.2	4187.1	4599.7	5007.8	5417.4
-45°	1341.7	1583.6	1854.8	2179.8	2536.0	2964.3	3405.1	3847.6	4243.5	4632.5	5037.0
-47.5°	1243.1	1455.9	1706.7	1966.3	2275.9	2634.0	3048.5	3456.6	3861.9	4232.1	4589.9
-50°	1144.8	1341.0	1547.0	1780.7	2036.2	2326.5	2670.8	3050.2	3420.4	3800.4	4154.9
-52.5°	1060.1	1220.1	1406.3	1601.3	1820.1	2060.3	2336.0	2647.7	2984.4	3306.8	3660.5
-55°	972.2	1116.5	1266.8	1438.4	1620.4	1823.2	2049.3	2311.2	2568.1	2866.4	3155.1
-57.5°	892.1	1013.7	1141.9	1283.7	1441.7	1604.0	1801.6	2005.4	2238.5	2470.3	2699.0
-60°	816.6	915.9	1024.6	1144.7	1271.8	1416.1	1563.6	1738.6	1926.4	2111.4	2305.4
-62.5°	740.4	824.0	912.6	1012.3	1123.1	1232.2	1358.1	1492.9	1631.2	1788.0	1940.9
-65°	662.0	729.6	804.8	887.5	975.9	1068.8	1165.5	1265.4	1382.9	1497.8	1609.0
-67.5°	578.8	636.7	697.5	762.6	836.7	909.7	982.6	1066.9	1153.4	1238.5	1326.6
-70°	486.6	541.1	591.8	644.6	699.7	756.9	819.2	881.0	942.0	1005.8	1076.5
-72.5°	392.9	443.0	487.6	526.6	571.9	619.4	664.9	708.3	754.4	802.7	850.6
-75°	313.3	346.5	386.3	422.7	458.6	492.1	522.1	558.9	597.4	632.5	661.4
-77.5°	244.6	274.7	301.9	326.3	354.9	388.5	417.7	442.8	467.2	493.8	522.0
-80°	178.0	203.0	227.8	250.3	266.8	285.8	308.2	333.8	356.0	374.1	390.6
-82.5°	114.9	133.0	151.4	170.2	177.9	183.1	188.0	196.9	210.6	224.2	237.2
-85°	57.3	62.5	73.8	85.3	89.3	92.1	94.0	95.0	99.7	104.0	107.8
-87.5°	28.7	31.3	33.9	36.5	35.1	33.2	30.9	28.1	27.5	26.6	25.6
-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):

	-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°	1.6	1.7	1.7	1.8	1.8	1.4	0.9	0.5	0.0	0.0	0.0
85°	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.4	1.0
82.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
80°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
77.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
75°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
72.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
70°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
67.5°	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.8	1.3
65°	2.8	2.7	2.9	2.8	2.5	2.4	2.5	2.4	2.2	1.7	1.2
62.5°	5.0	5.7	4.5	4.4	4.3	4.2	4.0	3.8	3.6	3.4	3.5
60°	31.2	18.4	10.8	12.6	11.3	7.5	9.6	11.2	11.3	10.4	9.2
57.5°	172.7	128.9	95.5	227.9	228.6	109.2	131.4	206.7	170.2	55.9	51.9
55°	480.3	574.5	756.1	718.2	729.9	839.5	916.6	811.5	795.6	847.8	979.3
52.5°	862.9	952.7	1013.9	1071.0	1140.6	1215.3	1292.3	1341.3	1387.1	1435.9	1465.0
50°	1102.0	1228.5	1315.4	1283.4	1463.4	1537.1	1462.3	1529.1	1610.7	1633.0	1643.5
47.5°	1627.2	1812.7	1849.5	1969.1	2076.4	2074.1	1983.0	1988.3	2231.0	2445.1	2550.2
45°	2338.5	2344.8	2461.5	2672.5	2823.4	2775.9	2903.3	3192.7	3289.1	3382.2	3458.6
42.5°	2615.6	2730.5	2916.6	3103.2	3215.7	3313.3	3407.6	3514.0	3639.1	3740.5	3821.6
40°	2884.0	2976.5	3167.1	3317.4	3410.6	3501.7	3611.5	3729.4	3843.8	3933.0	3993.9
37.5°	3297.0	3368.7	3415.1	3554.6	3730.8	3649.5	3857.9	4007.4	4075.6	4166.2	4174.4
35°	3921.8	3874.0	3812.2	4367.6	4400.9	4213.3	4408.2	4639.9	4517.8	4772.1	4908.8
32.5°	4475.7	4468.6	4953.3	5245.3	5077.3	5214.4	5663.7	5643.8	5943.3	6082.2	6042.6
30°	4997.5	5175.6	5456.0	5673.4	5702.5	5918.8	6118.3	6293.1	6473.9	6635.9	6647.1
27.5°	5262.5	5494.9	5685.2	5811.0	5951.4	6133.4	6314.4	6511.3	6665.0	6766.7	6791.5
25°	5422.8	5660.1	5804.2	5939.6	6094.7	6251.6	6454.4	6668.7	6792.2	6854.9	6874.9
22.5°	5564.1	5777.3	5932.2	6042.2	6208.9	6377.9	6566.9	6748.3	6882.5	6909.9	6919.9
20°	5700.0	5904.9	6163.7	6325.5	6317.4	6507.7	6689.9	6834.2	6946.0	6945.4	6948.1
17.5°	6093.4	6166.6	6636.2	6992.6	6816.1	6723.0	7223.9	7233.4	7263.2	7204.0	7075.8
15°	6675.9	6809.2	7386.0	7772.4	7650.8	7644.3	8367.8	8188.4	8342.8	8302.4	8476.2
12.5°	7293.0	7450.7	7881.8	8261.2	8442.1	8486.5	8728.1	8954.5	9001.0	8982.7	8948.5
10°	7713.3	7938.0	8111.1	8341.5	8523.9	8709.9	8849.8	9012.4	9065.7	9034.9	8991.4
7.5°	7768.0	7990.1	8193.4	8395.5	8569.2	8719.1	8864.3	8996.7	9050.8	9033.0	9003.1
5°	7802.9	8004.0	8201.0	8406.1	8572.2	8711.0	8855.8	8990.0	9021.9	9000.4	8971.2
2.5°	7824.3	8010.5	8200.4	8404.6	8555.4	8687.7	8834.2	8977.3	8977.0	8967.6	8950.5
0°	7834.7	8021.5	8242.0	8426.7	8595.6	8720.7	8865.7	9004.8	8994.8	8969.0	8939.2
-2.5°	7857.0	8046.3	8271.3	8424.4	8614.8	8729.4	8879.3	8999.7	8995.0	8982.3	8967.6
-5°	7876.9	8089.7	8300.3	8461.3	8652.1	8802.0	8950.9	9045.1	9050.2	9032.5	9007.6
-7.5°	7889.1	8125.0	8325.8	8487.6	8672.7	8846.9	8998.0	9096.8	9099.0	9075.5	9045.8
-10°	7885.0	8134.1	8340.8	8507.9	8697.5	8869.6	9027.6	9152.9	9148.8	9126.4	9101.1
-12.5°	7870.2	8118.9	8331.2	8498.8	8714.0	8891.3	9069.0	9193.6	9200.2	9183.5	9156.0
-15°	7837.4	8094.2	8300.7	8483.8	8694.7	8901.9	9084.5	9222.0	9246.5	9232.8	9211.1
-17.5°	7772.7	8043.7	8262.7	8460.0	8662.4	8883.2	9090.9	9241.2	9274.8	9269.3	9251.3
-20°	7687.7	7967.4	8189.7	8396.4	8616.7	8844.2	9085.8	9223.2	9271.9	9275.0	9262.8



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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°	7592.3	7866.1	8102.0	8305.1	8544.1	8774.3	8993.2	9154.0	9235.8	9251.0	9252.0
-25°	7477.9	7759.2	7993.6	8210.0	8432.2	8670.0	8891.1	9070.7	9153.6	9193.2	9205.5
-27.5°	7316.3	7607.0	7837.6	8066.3	8292.4	8538.1	8770.5	8965.8	9033.2	9087.6	9109.4
-30°	7126.9	7414.4	7649.6	7858.6	8117.3	8367.7	8607.6	8778.0	8879.7	8941.9	8975.9
-32.5°	6909.2	7199.4	7446.2	7664.6	7910.3	8160.7	8386.4	8566.2	8706.3	8778.2	8814.5
-35°	6673.1	6969.4	7227.7	7457.8	7689.1	7927.9	8161.7	8349.7	8509.4	8571.1	8616.6
-37.5°	6388.2	6715.2	6980.1	7217.3	7437.1	7661.5	7905.0	8120.0	8275.0	8334.9	8382.9
-40°	6096.2	6412.1	6679.3	6932.3	7149.7	7394.7	7629.3	7854.6	7989.1	8059.0	8113.4
-42.5°	5787.9	6073.3	6327.3	6573.1	6815.2	7067.4	7301.8	7536.0	7652.4	7736.5	7803.3
-45°	5432.0	5697.6	5944.5	6174.5	6424.0	6671.9	6906.5	7113.4	7251.9	7361.5	7446.7
-47.5°	4957.5	5281.1	5528.9	5747.7	5995.1	6234.3	6461.6	6656.1	6808.0	6936.2	7035.2
-50°	4475.5	4786.1	5065.7	5311.5	5541.0	5762.2	5978.6	6168.9	6329.6	6468.5	6568.8
-52.5°	4001.0	4291.9	4569.3	4823.1	5043.7	5252.5	5450.5	5642.0	5811.4	5960.0	6057.0
-55°	3464.7	3766.1	4040.5	4277.1	4497.6	4704.0	4899.5	5081.0	5247.9	5399.1	5492.1
-57.5°	2961.7	3226.1	3481.4	3699.8	3907.9	4104.5	4289.8	4463.6	4624.2	4766.5	4856.1
-60°	2499.3	2692.0	2911.8	3113.4	3297.9	3465.1	3638.1	3800.2	3947.7	4072.8	4156.3
-62.5°	2090.5	2250.3	2408.9	2562.3	2711.9	2862.2	3007.0	3141.4	3264.7	3367.2	3440.4
-65°	1726.4	1854.7	1969.5	2078.2	2181.8	2300.4	2410.5	2514.0	2609.8	2688.4	2744.1
-67.5°	1421.5	1511.7	1591.1	1665.6	1747.4	1831.2	1909.7	1978.1	2036.6	2083.2	2120.0
-70°	1146.3	1212.7	1272.5	1332.0	1391.7	1446.1	1498.1	1548.5	1596.3	1635.3	1664.5
-72.5°	897.7	943.1	983.8	1029.6	1072.6	1113.9	1149.9	1178.9	1201.4	1223.4	1242.5
-75°	684.4	718.5	764.4	803.2	835.3	863.7	889.7	912.9	933.2	951.3	967.1
-77.5°	550.5	579.4	608.7	637.0	664.4	684.7	703.6	722.5	741.1	757.1	771.2
-80°	408.0	429.6	452.2	474.9	497.5	508.8	517.8	526.1	533.5	543.0	551.9
-82.5°	249.5	261.7	274.2	287.0	299.6	302.8	303.9	303.7	302.0	298.6	293.3
-85°	111.0	111.6	111.3	110.0	107.9	103.5	98.2	91.9	85.0	83.9	82.6
-87.5°	24.4	23.9	23.2	22.5	21.6	21.6	21.5	21.3	21.2	21.8	22.5
-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: P645483 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
85°	0.5	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.4	1.9	1.9
82.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
80°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
77.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
75°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
72.5°	2.0	2.0	1.1	0.0	1.1	2.0	2.0	2.0	2.0	2.0	2.0
70°	2.0	2.0	1.1	0.0	1.1	2.0	2.0	2.0	2.0	2.0	2.0
67.5°	0.7	0.2	0.0	0.0	0.0	0.2	0.7	1.3	1.8	2.0	2.0
65°	0.7	0.1	0.0	0.0	0.0	0.1	0.7	1.2	1.7	2.2	2.4
62.5°	3.7	3.8	4.0	4.0	4.0	3.8	3.7	3.5	3.4	3.6	3.8
60°	7.2	4.7	4.0	4.0	4.0	4.7	7.2	9.2	10.4	11.3	11.2
57.5°	43.9	32.7	27.8	25.8	27.8	32.7	43.9	51.9	55.9	170.2	206.7
55°	1073.5	1128.2	1169.0	1187.9	1169.0	1128.2	1073.5	979.3	847.8	795.6	811.5
52.5°	1490.6	1514.3	1528.0	1527.6	1528.0	1514.3	1490.6	1465.0	1435.9	1387.1	1341.3
50°	1661.5	1673.0	1677.2	1674.6	1677.2	1673.0	1661.5	1643.5	1633.0	1610.7	1529.1
47.5°	2454.2	2241.7	2085.6	2048.1	2085.6	2241.7	2454.2	2550.2	2445.1	2231.0	1988.3
45°	3495.3	3575.8	3656.0	3681.0	3656.0	3575.8	3495.3	3458.6	3382.2	3289.1	3192.7
42.5°	3855.8	3882.1	3896.9	3897.5	3896.9	3882.1	3855.8	3821.6	3740.5	3639.1	3514.0
40°	4027.9	4052.6	4067.0	4068.3	4067.0	4052.6	4027.9	3993.9	3933.0	3843.8	3729.4
37.5°	4184.2	4205.3	4219.1	4233.2	4219.1	4205.3	4184.2	4174.4	4166.2	4075.6	4007.4
35°	4890.4	4730.4	4500.3	4535.2	4500.3	4730.4	4890.4	4908.8	4772.1	4517.8	4639.9
32.5°	6104.5	6171.8	6213.7	6285.3	6213.7	6171.8	6104.5	6042.6	6082.2	5943.3	5643.8
30°	6664.8	6687.0	6720.7	6756.1	6720.7	6687.0	6664.8	6647.1	6635.9	6473.9	6293.1
27.5°	6804.6	6827.6	6848.0	6863.3	6848.0	6827.6	6804.6	6791.5	6766.7	6665.0	6511.3
25°	6877.8	6892.1	6913.8	6932.9	6913.8	6892.1	6877.8	6874.9	6854.9	6792.2	6668.7
22.5°	6914.1	6915.6	6932.6	6956.7	6932.6	6915.6	6914.1	6919.9	6909.9	6882.5	6748.3
20°	6939.0	6925.5	6943.1	6958.7	6943.1	6925.5	6939.0	6948.1	6945.4	6946.0	6834.2
17.5°	7256.6	7075.5	7001.0	7002.4	7001.0	7075.5	7256.6	7075.8	7204.0	7263.2	7233.4
15°	8281.1	8349.1	8609.7	8750.5	8609.7	8349.1	8281.1	8476.2	8302.4	8342.8	8188.4
12.5°	8942.3	8918.1	8887.1	8929.3	8887.1	8918.1	8942.3	8948.5	8982.7	9001.0	8954.5
10°	8972.9	8970.1	8915.0	8975.0	8915.0	8970.1	8972.9	8991.4	9034.9	9065.7	9012.4
7.5°	8954.1	8955.8	8932.3	8990.9	8932.3	8955.8	8954.1	9003.1	9033.0	9050.8	8996.7
5°	8966.5	8926.1	8941.4	8975.0	8941.4	8926.1	8966.5	8971.2	9000.4	9021.9	8990.0
2.5°	8931.8	8927.6	8897.9	8921.3	8897.9	8927.6	8931.8	8950.5	8967.6	8977.0	8977.3
0°	8905.5	8883.6	8883.6	8903.5	8883.6	8883.6	8905.5	8939.2	8969.0	8994.8	9004.8
-2.5°	8952.5	8947.8	8944.9	8931.3	8944.9	8947.8	8952.5	8967.6	8982.3	8995.0	8999.7
-5°	8991.1	8979.2	8946.7	8990.9	8946.7	8979.2	8991.1	9007.6	9032.5	9050.2	9045.1
-7.5°	9032.6	9002.4	8971.6	9040.5	8971.6	9002.4	9032.6	9045.8	9075.5	9099.0	9096.8
-10°	9070.5	9026.9	8996.9	9064.4	8996.9	9026.9	9070.5	9101.1	9126.4	9148.8	9152.9
-12.5°	9120.7	9069.7	9049.6	9086.2	9049.6	9069.7	9120.7	9156.0	9183.5	9200.2	9193.6
-15°	9174.2	9138.9	9134.1	9155.8	9134.1	9138.9	9174.2	9211.1	9232.8	9246.5	9222.0
-17.5°	9221.2	9196.4	9208.6	9233.2	9208.6	9196.4	9221.2	9251.3	9269.3	9274.8	9241.2
-20°	9243.6	9229.7	9243.5	9304.7	9243.5	9229.7	9243.6	9262.8	9275.0	9271.9	9223.2



REPORT NUMBER: P645483 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-740-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	9241.7	9242.6	9266.9	9286.9	9266.9	9242.6	9241.7	9252.0	9251.0	9235.8	9154.0
-25°	9206.4	9225.0	9252.8	9292.8	9252.8	9225.0	9206.4	9205.5	9193.2	9153.6	9070.7
-27.5°	9121.3	9152.2	9181.3	9223.3	9181.3	9152.2	9121.3	9109.4	9087.6	9033.2	8965.8
-30°	8998.4	9035.1	9061.2	9106.1	9061.2	9035.1	8998.4	8975.9	8941.9	8879.7	8778.0
-32.5°	8848.8	8890.3	8921.0	8953.1	8921.0	8890.3	8848.8	8814.5	8778.2	8706.3	8566.2
-35°	8661.7	8706.4	8739.2	8768.4	8739.2	8706.4	8661.7	8616.6	8571.1	8509.4	8349.7
-37.5°	8436.9	8485.1	8522.3	8555.8	8522.3	8485.1	8436.9	8382.9	8334.9	8275.0	8120.0
-40°	8175.1	8224.6	8264.3	8301.6	8264.3	8224.6	8175.1	8113.4	8059.0	7989.1	7854.6
-42.5°	7868.9	7918.9	7959.9	7997.6	7959.9	7918.9	7868.9	7803.3	7736.5	7652.4	7536.0
-45°	7515.4	7566.8	7610.2	7650.0	7610.2	7566.8	7515.4	7446.7	7361.5	7251.9	7113.4
-47.5°	7108.2	7163.2	7200.3	7218.9	7200.3	7163.2	7108.2	7035.2	6936.2	6808.0	6656.1
-50°	6641.5	6696.5	6741.0	6773.9	6741.0	6696.5	6641.5	6568.8	6468.5	6329.6	6168.9
-52.5°	6127.8	6180.0	6218.4	6241.6	6218.4	6180.0	6127.8	6057.0	5960.0	5811.4	5642.0
-55°	5565.3	5620.0	5656.4	5673.4	5656.4	5620.0	5565.3	5492.1	5399.1	5247.9	5081.0
-57.5°	4927.2	4979.3	5017.9	5039.7	5017.9	4979.3	4927.2	4856.1	4766.5	4624.2	4463.6
-60°	4221.4	4267.9	4297.2	4308.7	4297.2	4267.9	4221.4	4156.3	4072.8	3947.7	3800.2
-62.5°	3499.4	3543.5	3571.0	3581.6	3571.0	3543.5	3499.4	3440.4	3367.2	3264.7	3141.4
-65°	2785.7	2813.3	2828.6	2830.8	2828.6	2813.3	2785.7	2744.1	2688.4	2609.8	2514.0
-67.5°	2149.0	2170.0	2182.8	2187.1	2182.8	2170.0	2149.0	2120.0	2083.2	2036.6	1978.1
-70°	1686.3	1700.7	1708.9	1710.4	1708.9	1700.7	1686.3	1664.5	1635.3	1596.3	1548.5
-72.5°	1257.2	1267.6	1264.0	1255.5	1264.0	1267.6	1257.2	1242.5	1223.4	1201.4	1178.9
-75°	980.8	992.2	987.4	979.3	987.4	992.2	980.8	967.1	951.3	933.2	912.9
-77.5°	783.5	793.9	788.8	780.7	788.8	793.9	783.5	771.2	757.1	741.1	722.5
-80°	559.5	565.6	569.9	572.1	569.9	565.6	559.5	551.9	543.0	533.5	526.1
-82.5°	286.4	278.0	272.7	266.2	272.7	278.0	286.4	293.3	298.6	302.0	303.7
-85°	81.0	79.1	80.3	81.4	80.3	79.1	81.0	82.6	83.9	85.0	91.9
-87.5°	23.1	23.7	23.8	23.8	23.8	23.7	23.1	22.5	21.8	21.2	21.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645483 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-740-U-LAM-VSR-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°	0.9	1.4	1.8	1.8	1.7	1.7	1.6	1.6	1.5	1.5	1.4
85°	1.9	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
82.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
80°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
77.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
75°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
72.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
70°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.2
67.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.0	2.0	2.5
65°	2.5	2.4	2.5	2.8	2.9	2.7	2.8	2.9	2.9	2.7	2.6
62.5°	4.0	4.2	4.3	4.4	4.5	5.7	5.0	5.0	4.7	5.7	7.7
60°	9.6	7.5	11.3	12.6	10.8	18.4	31.2	28.1	8.3	45.0	51.9
57.5°	131.4	109.2	228.6	227.9	95.5	128.9	172.7	113.7	74.3	127.4	168.3
55°	916.6	839.5	729.9	718.2	756.1	574.5	480.3	462.2	361.8	235.2	279.4
52.5°	1292.3	1215.3	1140.6	1071.0	1013.9	952.7	862.9	765.9	734.9	591.7	456.3
50°	1462.3	1537.1	1463.4	1283.4	1315.4	1228.5	1102.0	998.8	1020.0	932.4	751.8
47.5°	1983.0	2074.1	2076.4	1969.1	1849.5	1812.7	1627.2	1304.9	1326.6	1322.8	1131.5
45°	2903.3	2775.9	2823.4	2672.5	2461.5	2344.8	2338.5	1993.8	1674.5	1622.7	1604.1
42.5°	3407.6	3313.3	3215.7	3103.2	2916.6	2730.5	2615.6	2421.7	2164.9	1937.8	1857.2
40°	3611.5	3501.7	3410.6	3317.4	3167.1	2976.5	2884.0	2629.4	2436.3	2239.7	2174.2
37.5°	3857.9	3649.5	3730.8	3554.6	3415.1	3368.7	3297.0	3031.9	2604.3	2568.3	2535.1
35°	4408.2	4213.3	4400.9	4367.6	3812.2	3874.0	3921.8	3596.1	3148.3	2905.6	2910.8
32.5°	5663.7	5214.4	5077.3	5245.3	4953.3	4468.6	4475.7	4376.6	3765.3	3412.1	3257.4
30°	6118.3	5918.8	5702.5	5673.4	5456.0	5175.6	4997.5	4759.2	4314.4	3911.2	3646.2
27.5°	6314.4	6133.4	5951.4	5811.0	5685.2	5494.9	5262.5	4982.5	4666.0	4304.7	4047.3
25°	6454.4	6251.6	6094.7	5939.6	5804.2	5660.1	5422.8	5150.0	4854.8	4563.5	4287.1
22.5°	6566.9	6377.9	6208.9	6042.2	5932.2	5777.3	5564.1	5282.4	5084.2	4899.0	4539.7
20°	6689.9	6507.7	6317.4	6325.5	6163.7	5904.9	5700.0	5559.8	5532.6	5324.3	4860.3
17.5°	7223.9	6723.0	6816.1	6992.6	6636.2	6166.6	6093.4	6101.3	6015.2	5821.5	5244.5
15°	8367.8	7644.3	7650.8	7772.4	7386.0	6809.2	6675.9	6659.7	6524.2	6309.9	5650.3
12.5°	8728.1	8486.5	8442.1	8261.2	7881.8	7450.7	7293.0	7207.5	6958.8	6544.2	5942.2
10°	8849.8	8709.9	8523.9	8341.5	8111.1	7938.0	7713.3	7402.6	7049.6	6649.8	6159.7
7.5°	8864.3	8719.1	8569.2	8395.5	8193.4	7990.1	7768.0	7459.2	7117.9	6725.8	6313.0
5°	8855.8	8711.0	8572.2	8406.1	8201.0	8004.0	7802.9	7497.4	7164.0	6775.4	6413.7
2.5°	8834.2	8687.7	8555.4	8404.6	8200.4	8010.5	7824.3	7538.5	7197.1	6816.3	6447.4
0°	8865.7	8720.7	8595.6	8426.7	8242.0	8021.5	7834.7	7580.5	7213.0	6843.5	6460.1
-2.5°	8879.3	8729.4	8614.8	8424.4	8271.3	8046.3	7857.0	7611.4	7243.0	6891.4	6490.8
-5°	8950.9	8802.0	8652.1	8461.3	8300.3	8089.7	7876.9	7624.0	7265.5	6917.4	6504.6
-7.5°	8998.0	8846.9	8672.7	8487.6	8325.8	8125.0	7889.1	7625.2	7286.1	6917.0	6511.3
-10°	9027.6	8869.6	8697.5	8507.9	8340.8	8134.1	7885.0	7618.6	7282.0	6900.8	6496.7
-12.5°	9069.0	8891.3	8714.0	8498.8	8331.2	8118.9	7870.2	7603.4	7250.8	6870.6	6459.5
-15°	9084.5	8901.9	8694.7	8483.8	8300.7	8094.2	7837.4	7558.3	7196.3	6824.0	6398.7
-17.5°	9090.9	8883.2	8662.4	8460.0	8262.7	8043.7	7772.7	7475.9	7126.5	6741.8	6318.6
-20°	9085.8	8844.2	8616.7	8396.4	8189.7	7967.4	7687.7	7393.8	7026.6	6635.3	6214.9



REPORT NUMBER: P645483 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-740-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	8993.2	8774.3	8544.1	8305.1	8102.0	7866.1	7592.3	7288.1	6896.9	6518.4	6082.8
-25°	8891.1	8670.0	8432.2	8210.0	7993.6	7759.2	7477.9	7133.0	6761.4	6367.7	5922.5
-27.5°	8770.5	8538.1	8292.4	8066.3	7837.6	7607.0	7316.3	6968.7	6611.0	6180.6	5748.3
-30°	8607.6	8367.7	8117.3	7858.6	7649.6	7414.4	7126.9	6789.4	6405.3	5980.3	5568.9
-32.5°	8386.4	8160.7	7910.3	7664.6	7446.2	7199.4	6909.2	6574.1	6170.9	5768.9	5341.0
-35°	8161.7	7927.9	7689.1	7457.8	7227.7	6969.4	6673.1	6308.4	5923.0	5524.8	5080.7
-37.5°	7905.0	7661.5	7437.1	7217.3	6980.1	6715.2	6388.2	6035.9	5660.1	5222.3	4799.7
-40°	7629.3	7394.7	7149.7	6932.3	6679.3	6412.1	6096.2	5753.7	5340.5	4907.8	4510.5
-42.5°	7301.8	7067.4	6815.2	6573.1	6327.3	6073.3	5787.9	5417.4	5007.8	4599.7	4187.1
-45°	6906.5	6671.9	6424.0	6174.5	5944.5	5697.6	5432.0	5037.0	4632.5	4243.5	3847.6
-47.5°	6461.6	6234.3	5995.1	5747.7	5528.9	5281.1	4957.5	4589.9	4232.1	3861.9	3456.6
-50°	5978.6	5762.2	5541.0	5311.5	5065.7	4786.1	4475.5	4154.9	3800.4	3420.4	3050.2
-52.5°	5450.5	5252.5	5043.7	4823.1	4569.3	4291.9	4001.0	3660.5	3306.8	2984.4	2647.7
-55°	4899.5	4704.0	4497.6	4277.1	4040.5	3766.1	3464.7	3155.1	2866.4	2568.1	2311.2
-57.5°	4289.8	4104.5	3907.9	3699.8	3481.4	3226.1	2961.7	2699.0	2470.3	2238.5	2005.4
-60°	3638.1	3465.1	3297.9	3113.4	2911.8	2692.0	2499.3	2305.4	2111.4	1926.4	1738.6
-62.5°	3007.0	2862.2	2711.9	2562.3	2408.9	2250.3	2090.5	1940.9	1788.0	1631.2	1492.9
-65°	2410.5	2300.4	2181.8	2078.2	1969.5	1854.7	1726.4	1609.0	1497.8	1382.9	1265.4
-67.5°	1909.7	1831.2	1747.4	1665.6	1591.1	1511.7	1421.5	1326.6	1238.5	1153.4	1066.9
-70°	1498.1	1446.1	1391.7	1332.0	1272.5	1212.7	1146.3	1076.5	1005.8	942.0	881.0
-72.5°	1149.9	1113.9	1072.6	1029.6	983.8	943.1	897.7	850.6	802.7	754.4	708.3
-75°	889.7	863.7	835.3	803.2	764.4	718.5	684.4	661.4	632.5	597.4	558.9
-77.5°	703.6	684.7	664.4	637.0	608.7	579.4	550.5	522.0	493.8	467.2	442.8
-80°	517.8	508.8	497.5	474.9	452.2	429.6	408.0	390.6	374.1	356.0	333.8
-82.5°	303.9	302.8	299.6	287.0	274.2	261.7	249.5	237.2	224.2	210.6	196.9
-85°	98.2	103.5	107.9	110.0	111.3	111.6	111.0	107.8	104.0	99.7	95.0
-87.5°	21.5	21.6	21.6	22.5	23.2	23.9	24.4	25.6	26.6	27.5	28.1
-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: P645483 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-740-U-LAM-VSR-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°	1.4	1.3	1.2	1.1	1.1	1.0	0.9	0.8	1.0	1.0	1.1
85°	2.0	2.0	2.0	2.0	2.0	2.0	1.8	1.7	1.9	2.1	2.1
82.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.5	3.0	3.2
80°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.6	3.1	3.5
77.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.6	3.1	3.6
75°	2.0	2.0	2.0	2.1	2.1	2.0	2.0	2.2	2.6	3.1	3.6
72.5°	2.0	2.0	2.0	2.2	2.5	2.6	2.3	2.2	2.7	3.2	3.7
70°	2.3	2.1	2.0	2.3	2.8	3.2	3.1	3.2	2.8	3.2	3.7
67.5°	2.9	3.0	2.8	2.7	2.9	3.4	3.9	4.5	4.4	3.3	3.8
65°	3.1	3.5	4.2	5.6	5.0	3.5	3.9	7.8	6.2	5.3	3.8
62.5°	6.6	3.7	12.6	16.8	9.5	7.4	5.9	17.3	10.9	7.4	5.3
60°	15.6	12.8	35.0	56.1	39.2	13.2	19.4	30.0	27.6	9.5	7.5
57.5°	145.7	50.1	72.6	105.0	103.1	56.0	40.8	54.5	46.9	27.0	10.6
55°	311.0	261.7	172.8	158.2	171.0	138.0	89.8	88.1	72.3	50.1	17.1
52.5°	426.6	445.2	387.5	270.8	235.8	224.6	175.4	127.8	113.5	75.2	43.5
50°	617.6	575.1	569.4	478.0	330.6	299.2	259.0	199.7	159.2	107.6	73.5
47.5°	872.5	766.4	710.2	669.1	527.5	381.5	339.7	273.1	209.7	155.0	105.0
45°	1246.9	990.6	881.8	815.3	722.9	536.5	425.2	344.4	273.3	208.0	137.9
42.5°	1622.8	1280.8	1077.8	970.3	874.2	711.6	516.6	426.6	335.3	262.0	179.6
40°	1954.6	1580.1	1283.9	1145.5	1022.7	880.7	664.5	514.6	396.1	317.6	227.1
37.5°	2354.1	1920.8	1521.0	1329.2	1181.1	1021.9	814.6	606.5	469.1	376.0	274.7
35°	2740.5	2361.8	1786.3	1551.2	1357.3	1166.7	959.2	715.1	558.8	435.2	322.3
32.5°	3155.5	2776.6	2187.0	1799.0	1539.7	1314.7	1094.3	847.2	649.0	495.2	369.7
30°	3482.2	3049.7	2538.7	2047.1	1738.2	1479.9	1229.3	973.9	739.5	555.8	417.5
27.5°	3655.4	3286.0	2816.2	2323.6	1961.6	1649.2	1368.3	1095.0	829.8	622.3	467.3
25°	3834.5	3452.4	3014.6	2565.3	2182.1	1828.5	1506.8	1210.4	928.4	697.3	516.6
22.5°	4048.7	3593.8	3181.8	2756.8	2409.6	2010.2	1652.0	1327.3	1027.0	770.9	565.1
20°	4263.8	3725.2	3346.9	3017.5	2632.9	2206.9	1803.8	1441.3	1120.0	842.5	612.6
17.5°	4489.7	3963.9	3627.1	3271.8	2855.4	2397.4	1953.4	1551.8	1207.2	911.9	658.7
15°	4882.7	4321.1	3909.3	3519.3	3076.8	2580.6	2099.3	1658.0	1288.6	978.5	701.6
12.5°	5239.5	4653.7	4191.8	3758.6	3294.5	2755.4	2240.1	1758.9	1364.0	1031.7	739.8
10°	5534.8	4962.2	4471.0	3988.3	3505.9	2920.4	2374.3	1841.2	1409.3	1071.3	775.0
7.5°	5776.6	5247.2	4743.2	4206.9	3687.4	3028.2	2442.0	1889.2	1444.3	1105.1	807.1
5°	5951.4	5437.4	4887.8	4283.1	3744.1	3072.5	2488.0	1928.2	1472.5	1133.2	836.0
2.5°	6001.8	5495.9	4942.2	4324.8	3782.5	3101.2	2520.8	1958.0	1494.3	1156.1	861.7
0°	6031.0	5534.4	4976.2	4350.4	3802.1	3114.8	2540.7	1978.5	1509.7	1174.0	884.0
-2.5°	6071.9	5567.6	5009.0	4416.3	3815.2	3156.5	2551.9	1991.9	1529.2	1180.4	897.0
-5°	6092.4	5580.5	5024.7	4460.7	3811.8	3181.4	2550.5	1996.1	1541.9	1182.7	906.6
-7.5°	6083.4	5576.1	5025.4	4474.6	3794.6	3187.1	2536.7	1991.7	1547.0	1181.0	912.5
-10°	6055.9	5553.5	5006.1	4438.7	3778.7	3164.6	2512.0	1979.0	1544.0	1176.0	914.8
-12.5°	6014.2	5511.2	4966.9	4387.0	3745.6	3118.2	2482.9	1957.3	1531.5	1167.8	913.3
-15°	5960.1	5449.8	4907.3	4321.3	3691.1	3056.4	2439.2	1925.8	1507.3	1158.6	907.9
-17.5°	5890.7	5369.6	4827.1	4243.4	3614.5	2979.8	2380.5	1884.8	1476.9	1147.4	896.9
-20°	5766.7	5261.9	4725.1	4154.8	3515.1	2889.1	2306.5	1834.3	1440.7	1131.3	881.3



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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°	5627.4	5128.6	4597.9	4035.3	3395.3	2784.9	2217.0	1774.2	1399.0	1110.5	862.5
-25°	5478.8	4978.6	4450.0	3869.9	3262.9	2674.6	2127.4	1704.7	1352.1	1084.6	840.7
-27.5°	5304.4	4808.6	4282.5	3687.7	3109.2	2546.8	2041.6	1643.1	1306.6	1053.9	816.0
-30°	5108.3	4608.7	4073.1	3493.4	2940.7	2398.8	1945.3	1577.3	1268.2	1020.3	788.4
-32.5°	4883.4	4388.5	3841.2	3294.4	2762.8	2241.9	1839.0	1506.9	1223.8	984.6	762.9
-35°	4627.5	4132.3	3595.3	3080.8	2574.2	2115.2	1735.1	1432.2	1173.4	946.0	736.0
-37.5°	4361.0	3857.4	3349.4	2857.7	2373.8	1978.0	1641.6	1358.5	1117.2	904.7	706.3
-40°	4056.7	3574.5	3091.3	2627.9	2200.2	1830.6	1540.4	1285.7	1064.1	860.7	673.8
-42.5°	3743.2	3277.6	2822.2	2384.7	2029.0	1710.6	1434.5	1207.4	1007.9	818.3	638.5
-45°	3405.1	2964.3	2536.0	2179.8	1854.8	1583.6	1341.7	1126.1	948.0	774.8	602.1
-47.5°	3048.5	2634.0	2275.9	1966.3	1706.7	1455.9	1243.1	1055.8	885.2	728.3	565.6
-50°	2670.8	2326.5	2036.2	1780.7	1547.0	1341.0	1144.8	982.2	827.6	676.8	527.4
-52.5°	2336.0	2060.3	1820.1	1601.3	1406.3	1220.1	1060.1	906.8	768.2	627.6	487.4
-55°	2049.3	1823.2	1620.4	1438.4	1266.8	1116.5	972.2	839.8	707.3	578.2	446.9
-57.5°	1801.6	1604.0	1441.7	1283.7	1141.9	1013.7	892.1	771.3	648.8	527.1	414.8
-60°	1563.6	1416.1	1271.8	1144.7	1024.6	915.9	816.6	702.9	589.7	475.9	379.2
-62.5°	1358.1	1232.2	1123.1	1012.3	912.6	824.0	740.4	635.9	529.0	428.6	340.6
-65°	1165.5	1068.8	975.9	887.5	804.8	729.6	662.0	567.2	468.1	378.5	300.5
-67.5°	982.6	909.7	836.7	762.6	697.5	636.7	578.8	493.2	404.6	325.7	260.7
-70°	819.2	756.9	699.7	644.6	591.8	541.1	486.6	414.3	338.1	278.4	219.9
-72.5°	664.9	619.4	571.9	526.6	487.6	443.0	392.9	336.5	283.1	230.3	178.3
-75°	522.1	492.1	458.6	422.7	386.3	346.5	313.3	273.9	227.3	181.3	143.7
-77.5°	417.7	388.5	354.9	326.3	301.9	274.7	244.6	210.4	173.4	141.0	111.0
-80°	308.2	285.8	266.8	250.3	227.8	203.0	178.0	153.0	126.1	101.0	77.8
-82.5°	188.0	183.1	177.9	170.2	151.4	133.0	114.9	97.1	78.0	60.3	49.9
-85°	94.0	92.1	89.3	85.3	73.8	62.5	57.3	52.0	45.5	39.3	33.4
-87.5°	30.9	33.2	35.1	36.5	33.9	31.3	28.7	26.0	22.8	19.7	16.7
-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°	1.0	0.9	0.7	0.5	0.3	0.2	0.0
85°	2.1	1.7	1.4	1.0	0.7	0.4	0.0
82.5°	3.1	2.6	2.1	1.6	1.0	0.7	0.0
80°	4.0	3.4	2.8	2.1	1.4	0.9	0.0
77.5°	4.0	4.0	3.4	2.6	1.7	1.1	0.0
75°	4.1	4.2	4.0	3.1	2.1	1.3	0.0
72.5°	4.1	4.3	4.2	3.6	2.5	1.5	0.0
70°	4.2	4.5	4.4	4.0	2.8	1.7	0.0
67.5°	4.7	4.6	4.6	4.2	3.2	1.9	0.0
65°	5.4	5.3	4.8	4.4	3.5	2.2	0.0
62.5°	6.3	6.6	5.0	4.6	3.9	2.4	0.0
60°	7.4	8.0	5.3	4.8	4.3	2.6	0.0
57.5°	13.6	9.6	6.8	5.1	4.5	2.8	0.0
55°	21.7	11.3	8.4	5.3	4.7	3.0	0.0
52.5°	31.1	14.5	10.2	5.5	4.9	3.2	0.0
50°	41.9	24.7	12.0	5.7	5.2	3.4	0.0
47.5°	56.4	35.7	13.9	6.2	5.4	3.6	0.0
45°	85.0	47.4	15.9	7.8	5.6	3.7	0.0
42.5°	114.4	59.9	17.9	9.3	5.9	3.9	0.0
40°	144.4	73.1	24.1	11.2	6.1	4.1	0.0
37.5°	174.9	87.1	34.5	13.6	6.4	4.3	0.0
35°	206.0	108.2	45.0	16.2	6.6	4.4	0.0
32.5°	239.7	132.7	55.7	19.1	6.9	4.6	0.0
30°	278.2	157.0	66.4	22.3	7.2	4.8	0.0
27.5°	315.9	181.0	79.7	25.7	7.4	4.9	0.0
25°	352.8	204.6	93.2	29.2	7.7	5.1	0.0
22.5°	388.5	228.7	106.8	32.9	7.9	5.2	0.0
20°	423.1	254.6	120.2	36.7	8.2	5.3	0.0
17.5°	457.3	279.6	133.4	40.5	8.4	5.4	0.0
15°	490.2	303.6	146.3	44.4	8.7	5.5	0.0
12.5°	520.9	326.6	158.8	48.3	8.9	5.6	0.0
10°	549.4	348.2	170.7	52.1	9.1	5.7	0.0
7.5°	575.6	368.5	181.9	55.8	9.3	5.8	0.0
5°	599.5	387.2	192.4	59.3	9.5	5.9	0.0
2.5°	620.8	404.1	202.0	62.6	9.7	6.0	0.0
0°	639.7	419.2	210.6	65.6	9.9	6.0	0.0
-2.5°	649.1	428.8	218.6	69.9	11.5	6.3	0.0
-5°	655.9	436.3	225.4	73.8	13.0	6.7	0.0
-7.5°	660.3	441.8	231.0	77.3	14.5	7.0	0.0
-10°	662.2	445.2	235.2	80.3	15.9	7.3	0.0
-12.5°	661.9	446.6	238.0	82.9	17.3	7.5	0.0
-15°	659.3	445.9	239.3	84.9	18.6	7.8	0.0
-17.5°	654.4	443.3	239.2	86.4	19.8	8.0	0.0
-20°	647.0	438.6	237.4	87.3	20.9	8.2	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	636.1	431.8	234.1	87.6	21.9	8.4	0.0
-25°	622.8	421.5	229.1	87.2	22.7	8.5	0.0
-27.5°	607.0	408.5	222.4	86.1	23.5	8.6	0.0
-30°	588.7	393.8	214.1	84.3	24.1	8.6	0.0
-32.5°	567.9	377.3	204.4	81.8	24.6	8.7	0.0
-35°	545.5	359.1	193.5	78.6	24.9	8.7	0.0
-37.5°	521.3	340.9	181.6	74.7	25.1	8.6	0.0
-40°	495.3	324.3	168.6	70.0	25.1	8.5	0.0
-42.5°	467.5	306.6	158.8	65.0	25.0	8.4	0.0
-45°	438.0	287.7	152.1	59.9	24.7	8.2	0.0
-47.5°	406.7	267.8	144.1	54.1	24.2	8.0	0.0
-50°	380.6	246.7	135.0	52.2	23.6	7.8	0.0
-52.5°	354.5	224.7	124.7	51.2	22.9	7.5	0.0
-55°	327.3	208.1	113.3	49.6	22.0	7.2	0.0
-57.5°	299.2	191.1	100.8	47.4	20.9	6.8	0.0
-60°	270.6	172.7	87.7	44.7	19.8	6.4	0.0
-62.5°	244.5	152.7	81.5	41.6	18.6	6.0	0.0
-65°	216.5	131.4	74.4	37.9	17.2	5.6	0.0
-67.5°	186.7	113.6	66.5	33.8	15.8	5.1	0.0
-70°	155.4	99.4	57.8	29.4	14.3	4.6	0.0
-72.5°	131.4	84.2	48.5	25.9	12.7	4.1	0.0
-75°	107.4	68.0	38.6	22.5	11.0	3.5	0.0
-77.5°	82.2	51.0	31.9	19.0	9.3	3.0	0.0
-80°	56.1	38.8	25.8	15.3	7.5	2.4	0.0
-82.5°	41.2	29.4	19.5	11.6	5.7	1.8	0.0
-85°	27.6	19.7	13.1	7.8	3.8	1.2	0.0
-87.5°	13.9	9.9	6.5	3.9	1.9	0.6	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)