

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: P645519 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA5C-740-U-LAM-VSR-XX

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-2019
Report Number: P645519 (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-SA5C-740-U-LAM-VSR-XX
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, LAMBERTIAN WITH VISOR
Light Source: (80) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

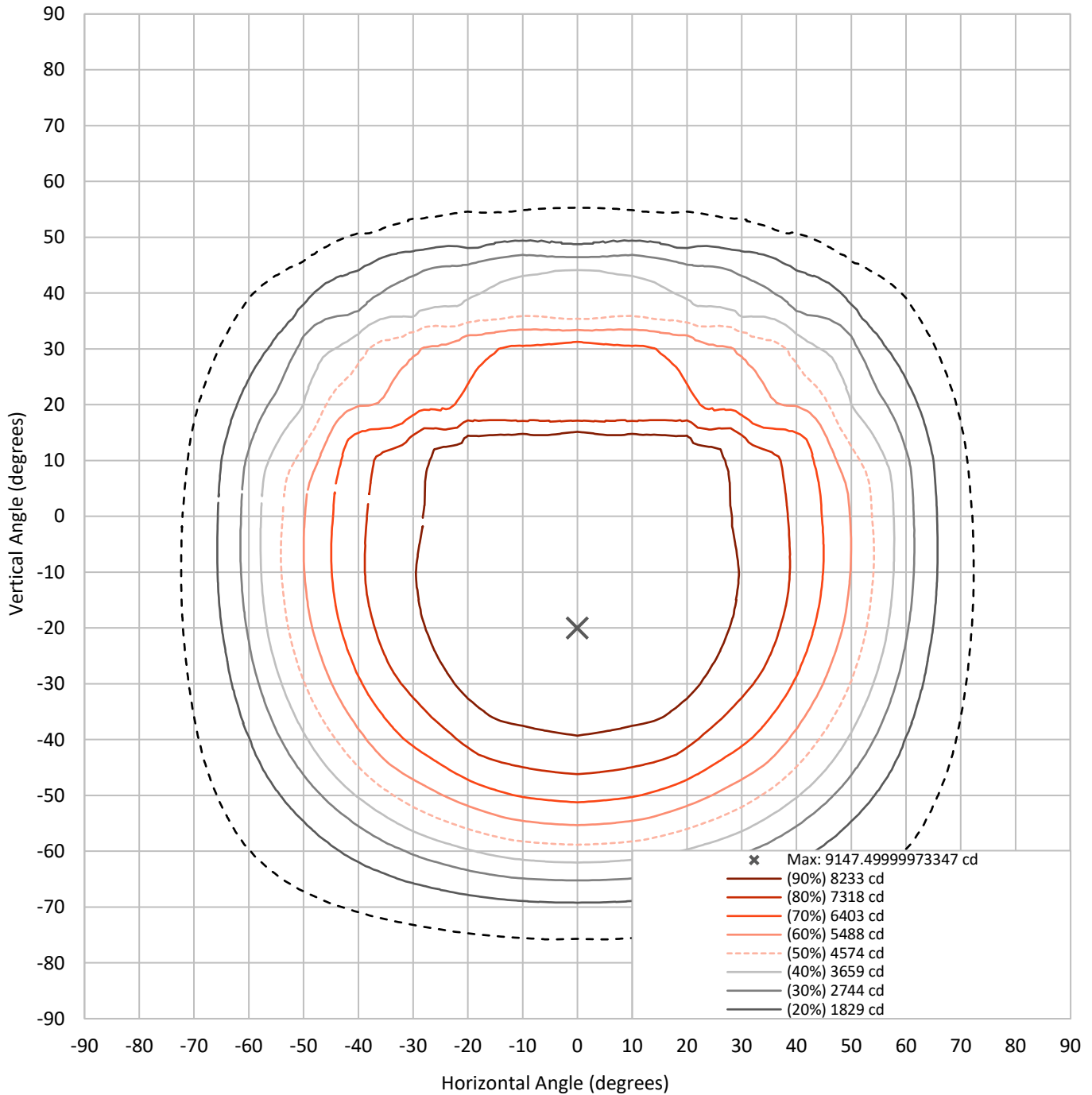
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	21449 lumens	Max Intensity:	9147.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -20°V
Efficacy:	104.1 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' 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:	16767.5 lumens	Field Lumens:	21023 lumens
Beam Efficiency:	78.2%	Field Efficiency:	98.0%
Input Watts (W):	206.1		
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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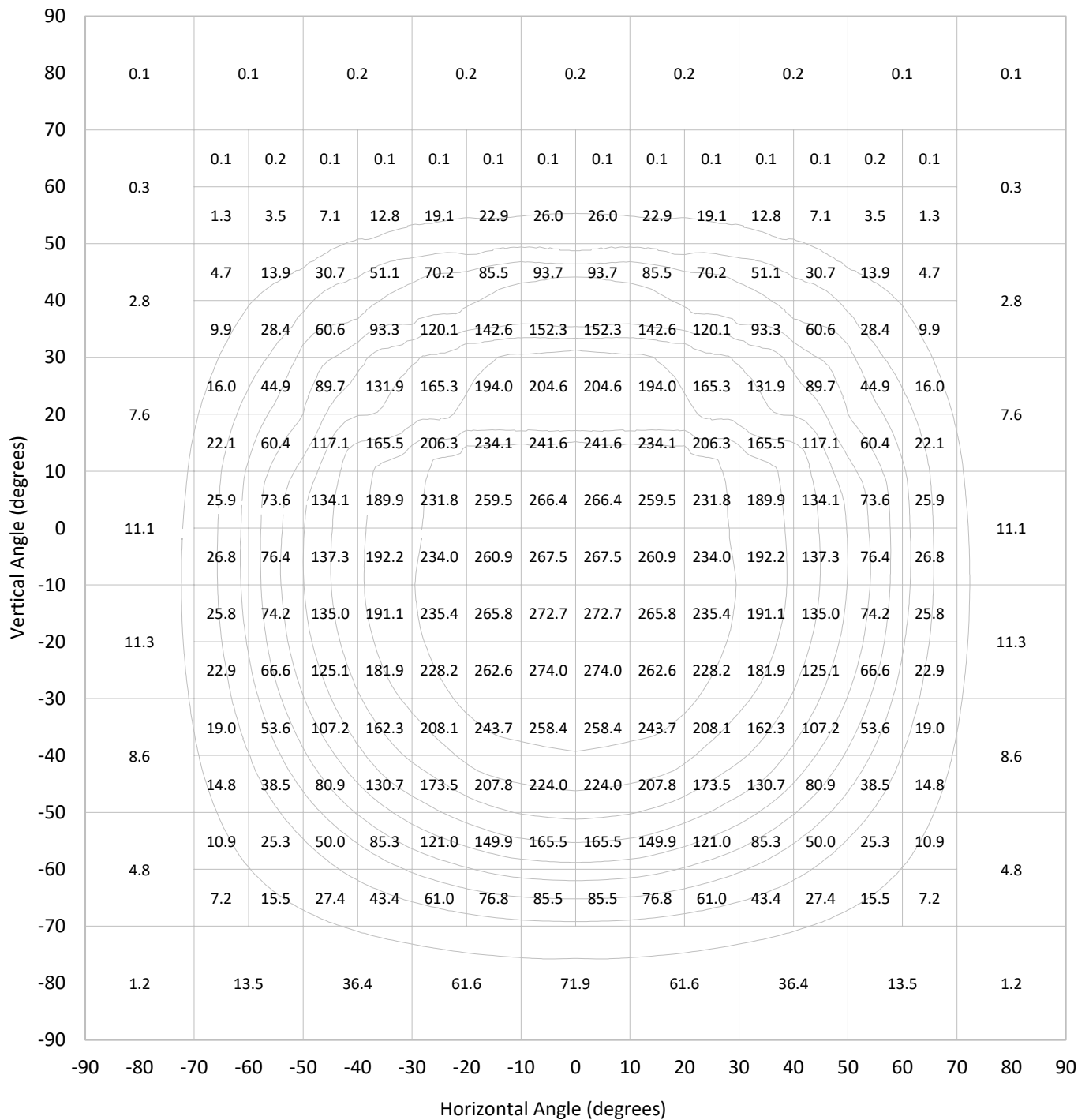
Iso-Candela Plot





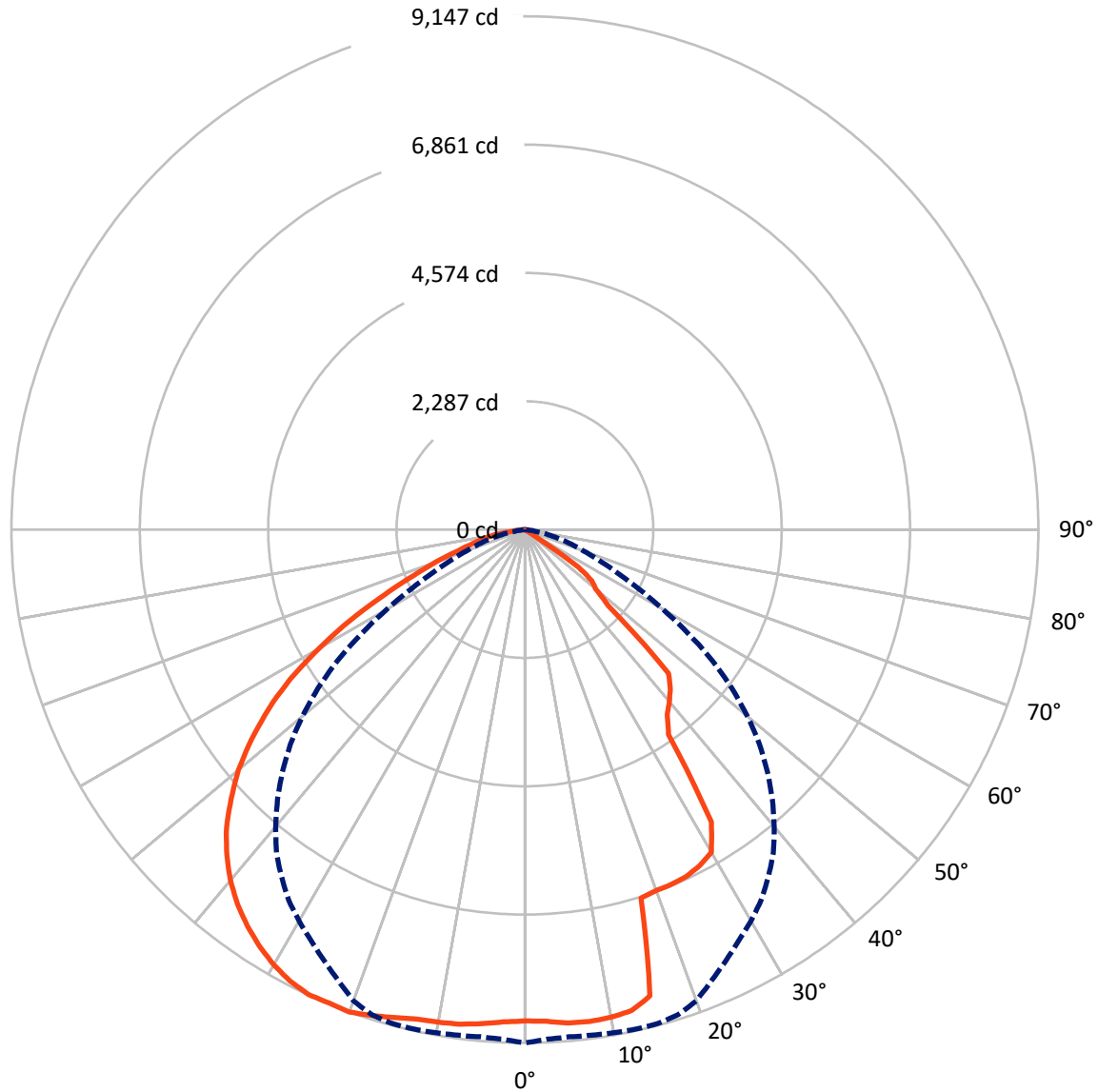
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Lumen Table



REPORT NUMBER: P645519 (CONVERTED FROM TYPE C PHOTOMETRY)
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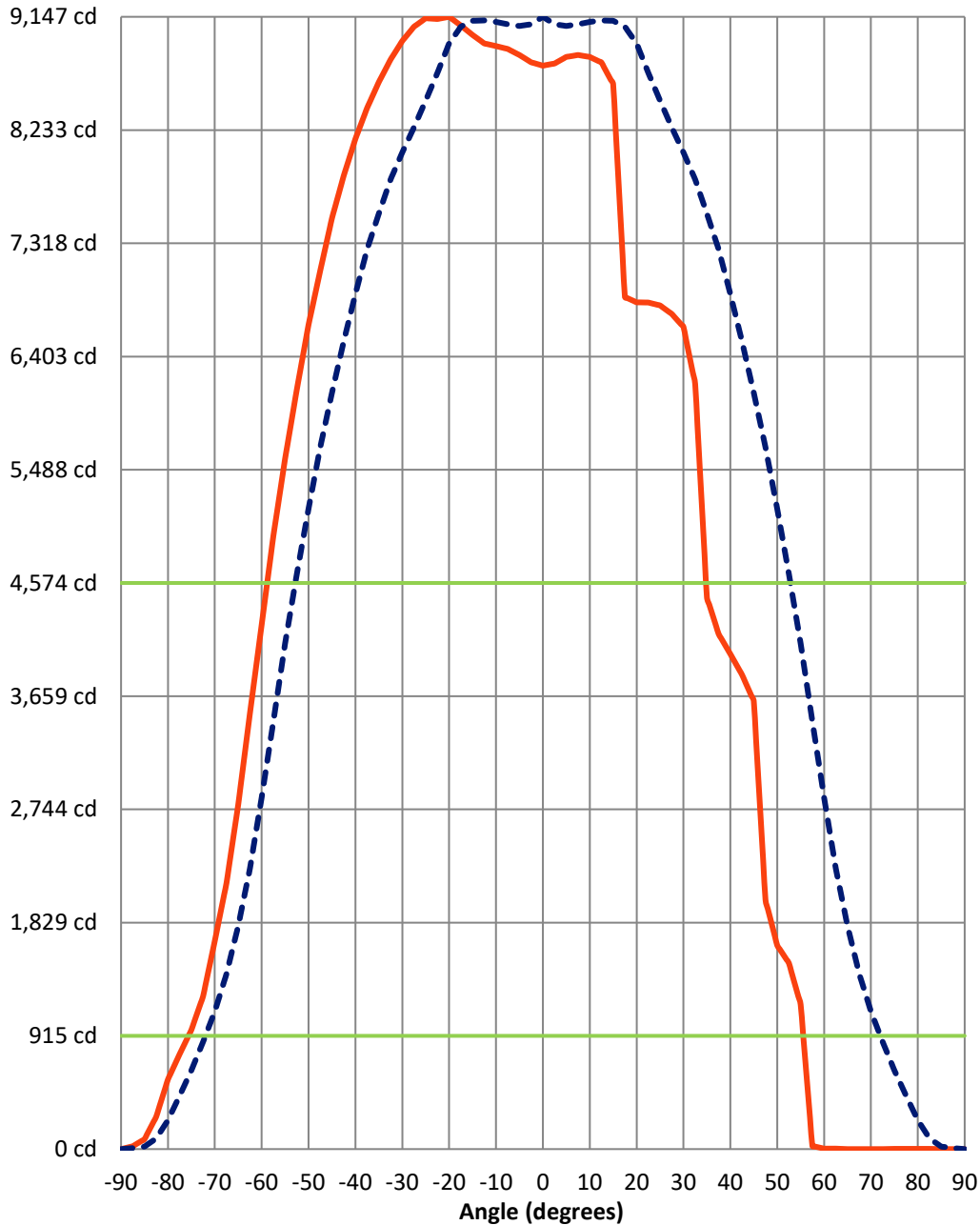
Luminous Intensity Polar Plot



— 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: 16767.5
 Efficiency: 78.2%

Field:
 H Angle: 144°
 V Angle: 131.2°
 Lumens: 21023
 Efficiency: 98.0%

Spill:
 Lumens: 426
 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	0.8	1.0	1.0	1.0	0.9	0.8
85°	0.0	0.4	0.7	1.0	1.4	1.7	2.0	2.1	2.0	1.9	1.7
82.5°	0.0	0.6	1.0	1.5	2.0	2.5	3.0	3.1	3.0	2.5	2.0
80°	0.0	0.9	1.4	2.0	2.7	3.4	3.9	3.5	3.0	2.5	2.1
77.5°	0.0	1.1	1.7	2.5	3.4	3.9	3.9	3.5	3.0	2.6	2.1
75°	0.0	1.3	2.1	3.0	3.9	4.1	4.0	3.5	3.1	2.6	2.1
72.5°	0.0	1.5	2.4	3.5	4.1	4.2	4.0	3.6	3.1	2.7	2.2
70°	0.0	1.7	2.7	3.9	4.3	4.4	4.1	3.6	3.2	2.7	3.1
67.5°	0.0	1.9	3.1	4.1	4.5	4.5	4.6	3.7	3.3	4.4	4.4
65°	0.0	2.1	3.5	4.3	4.7	5.2	5.2	3.7	5.2	6.1	7.7
62.5°	0.0	2.3	3.8	4.5	4.9	6.5	6.1	5.2	7.2	10.7	17.0
60°	0.0	2.5	4.2	4.7	5.2	7.9	7.2	7.4	9.4	27.1	29.5
57.5°	0.0	2.7	4.4	5.0	6.7	9.4	13.4	10.4	26.5	46.1	53.5
55°	0.0	2.9	4.6	5.2	8.3	11.1	21.3	16.8	49.2	71.1	86.7
52.5°	0.0	3.1	4.8	5.4	10.0	14.2	30.6	42.8	73.9	111.6	125.7
50°	0.0	3.3	5.1	5.6	11.8	24.3	41.2	72.3	105.7	156.6	196.4
47.5°	0.0	3.5	5.3	6.1	13.6	35.1	55.4	103.2	152.4	206.2	268.5
45°	0.0	3.7	5.5	7.6	15.6	46.6	83.6	135.6	204.5	268.8	338.6
42.5°	0.0	3.9	5.8	9.1	17.6	58.9	112.4	176.6	257.6	329.7	419.4
40°	0.0	4.0	6.0	11.0	23.7	71.9	141.9	223.3	312.3	389.4	505.9
37.5°	0.0	4.2	6.3	13.3	33.9	85.6	172.0	270.1	369.7	461.2	596.3
35°	0.0	4.4	6.5	16.0	44.2	106.4	202.6	316.8	427.9	549.4	703.0
32.5°	0.0	4.5	6.8	18.8	54.7	130.4	235.7	363.4	486.9	638.1	832.9
30°	0.0	4.7	7.1	21.9	65.3	154.3	273.5	410.5	546.4	727.0	957.4
27.5°	0.0	4.8	7.3	25.2	78.3	177.9	310.6	459.5	611.8	815.8	1076.5
25°	0.0	5.0	7.6	28.7	91.7	201.2	346.8	507.9	685.6	912.7	1190.0
22.5°	0.0	5.1	7.8	32.3	105.0	224.9	382.0	555.6	757.9	1009.6	1304.9
20°	0.0	5.2	8.1	36.0	118.2	250.3	416.0	602.3	828.3	1101.0	1417.0
17.5°	0.0	5.3	8.3	39.8	131.2	274.9	449.6	647.6	896.5	1186.8	1525.6
15°	0.0	5.4	8.6	43.6	143.8	298.5	481.9	689.8	962.0	1266.8	1629.9
12.5°	0.0	5.5	8.8	47.4	156.1	321.1	512.1	727.3	1014.3	1341.0	1729.2
10°	0.0	5.6	9.0	51.1	167.8	342.4	540.1	761.9	1053.2	1385.4	1810.1
7.5°	0.0	5.7	9.2	54.7	178.8	362.3	565.9	793.4	1086.4	1419.9	1857.2
5°	0.0	5.8	9.4	58.2	189.1	380.6	589.3	821.8	1114.1	1447.7	1895.6
2.5°	0.0	5.9	9.6	61.4	198.6	397.3	610.3	847.1	1136.6	1469.0	1925.0
0°	0.0	5.9	9.8	64.4	207.0	412.1	628.8	869.0	1154.2	1484.2	1945.1
-2.5°	0.0	6.2	11.3	68.6	214.9	421.5	638.0	881.8	1160.5	1503.3	1958.2
-5°	0.0	6.6	12.8	72.5	221.6	428.9	644.8	891.2	1162.7	1515.8	1962.4
-7.5°	0.0	6.9	14.3	75.9	227.0	434.3	649.1	897.0	1161.1	1520.8	1958.1
-10°	0.0	7.1	15.7	78.9	231.2	437.7	651.0	899.3	1156.1	1517.9	1945.6
-12.5°	0.0	7.4	17.0	81.4	234.0	439.0	650.7	897.8	1148.1	1505.6	1924.3
-15°	0.0	7.6	18.3	83.4	235.3	438.4	648.1	892.5	1139.0	1481.7	1893.3
-17.5°	0.0	7.9	19.5	84.9	235.1	435.8	643.4	881.7	1127.9	1451.9	1853.0
-20°	0.0	8.1	20.6	85.8	233.4	431.1	636.0	866.4	1112.1	1416.4	1803.3

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Scaled Data Report



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CATALOG NUMBER: GFLD-SA5C-740-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	8.2	21.5	86.0	230.1	424.5	625.4	847.9	1091.6	1375.4	1744.2
-25°	0.0	8.3	22.4	85.6	225.2	414.3	612.3	826.5	1066.3	1329.2	1675.8
-27.5°	0.0	8.4	23.1	84.6	218.7	401.6	596.7	802.2	1036.0	1284.5	1615.3
-30°	0.0	8.5	23.7	82.8	210.4	387.1	578.7	775.1	1002.9	1246.7	1550.6
-32.5°	0.0	8.5	24.2	80.4	200.9	370.9	558.3	750.0	967.9	1203.1	1481.4
-35°	0.0	8.5	24.5	77.3	190.2	353.1	536.2	723.6	930.0	1153.6	1408.0
-37.5°	0.0	8.4	24.7	73.4	178.5	335.1	512.5	694.3	889.4	1098.2	1335.5
-40°	0.0	8.4	24.7	68.8	165.7	318.8	486.9	662.4	846.2	1046.0	1264.0
-42.5°	0.0	8.2	24.6	63.9	156.1	301.4	459.6	627.7	804.4	990.8	1186.9
-45°	0.0	8.1	24.3	58.9	149.5	282.8	430.5	591.9	761.7	932.0	1107.1
-47.5°	0.0	7.9	23.8	53.2	141.7	263.2	399.8	556.0	715.9	870.3	1038.0
-50°	0.0	7.6	23.2	51.3	132.7	242.6	374.1	518.4	665.3	813.6	965.6
-52.5°	0.0	7.4	22.5	50.3	122.6	220.9	348.5	479.1	616.9	755.2	891.5
-55°	0.0	7.0	21.6	48.7	111.4	204.5	321.8	439.3	568.4	695.3	825.6
-57.5°	0.0	6.7	20.6	46.6	99.1	187.9	294.1	407.7	518.1	637.8	758.3
-60°	0.0	6.3	19.4	44.0	86.2	169.7	266.0	372.8	467.8	579.8	691.0
-62.5°	0.0	5.9	18.2	40.8	80.1	150.1	240.3	334.8	421.3	520.1	625.1
-65°	0.0	5.5	16.9	37.3	73.1	129.2	212.8	295.4	372.1	460.2	557.6
-67.5°	0.0	5.0	15.5	33.2	65.3	111.7	183.6	256.3	320.2	397.7	484.8
-70°	0.0	4.5	14.1	28.8	56.8	97.7	152.8	216.2	273.7	332.4	407.3
-72.5°	0.0	4.0	12.5	25.4	47.7	82.7	129.2	175.3	226.4	278.3	330.8
-75°	0.0	3.5	10.8	22.1	37.9	66.8	105.6	141.2	178.2	223.5	269.3
-77.5°	0.0	2.9	9.1	18.6	31.3	50.1	80.9	109.2	138.6	170.4	206.7
-80°	0.0	2.4	7.4	15.0	25.3	38.2	55.2	76.5	99.2	123.9	150.4
-82.5°	0.0	1.8	5.6	11.4	19.1	28.9	40.5	49.1	59.3	76.6	95.4
-85°	0.0	1.2	3.7	7.6	12.8	19.4	27.2	32.8	38.6	44.7	51.0
-87.5°	0.0	0.6	1.9	3.8	6.4	9.7	13.6	16.4	19.3	22.4	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



REPORT NUMBER: P645519 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5C-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	2.5	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°	3.8	3.3	2.9	2.7	2.7	3.0	2.9	2.4	2.0	2.0	2.1
65°	3.9	3.4	4.9	5.5	4.1	3.5	3.0	2.5	2.7	2.8	2.8
62.5°	5.8	7.3	9.3	16.5	12.3	3.6	6.4	7.6	5.6	4.6	4.9
60°	19.1	13.0	38.5	55.2	34.4	12.6	15.3	51.0	44.2	8.2	27.6
57.5°	40.1	55.0	101.4	103.2	71.4	49.2	143.2	165.4	125.2	73.1	111.8
55°	88.3	135.7	168.1	155.6	169.9	257.3	305.7	274.6	231.2	355.7	454.4
52.5°	172.5	220.9	231.8	266.2	381.0	437.7	419.4	448.6	581.7	722.5	753.0
50°	254.7	294.2	325.0	469.9	559.7	565.4	607.2	739.1	916.7	1002.8	982.0
47.5°	334.0	375.0	518.6	657.8	698.2	753.4	857.8	1112.3	1300.4	1304.1	1282.9
45°	418.0	527.4	710.6	801.5	866.9	973.9	1225.8	1577.0	1595.2	1646.2	1960.1
42.5°	507.8	699.5	859.4	953.9	1059.6	1259.2	1595.3	1825.8	1905.0	2128.4	2380.7
40°	653.3	865.8	1005.4	1126.2	1262.2	1553.4	1921.6	2137.4	2201.8	2395.2	2584.9
37.5°	800.8	1004.6	1161.1	1306.8	1495.3	1888.3	2314.3	2492.3	2524.9	2560.2	2980.7
35°	943.0	1147.0	1334.4	1525.0	1756.1	2321.9	2694.2	2861.6	2856.4	3095.1	3535.4
32.5°	1075.9	1292.5	1513.7	1768.6	2150.1	2729.6	3102.1	3202.4	3354.4	3701.7	4302.6
30°	1208.5	1454.9	1708.8	2012.5	2495.7	2998.1	3423.3	3584.6	3845.1	4241.5	4678.8
27.5°	1345.2	1621.3	1928.4	2284.3	2768.5	3230.4	3593.6	3978.9	4231.9	4587.2	4898.3
25°	1481.3	1797.5	2145.2	2521.9	2963.6	3394.0	3769.7	4214.6	4486.3	4772.7	5063.0
22.5°	1624.1	1976.2	2368.9	2710.2	3128.0	3533.1	3980.3	4462.9	4816.2	4998.3	5193.1
20°	1773.3	2169.5	2588.3	2966.4	3290.4	3662.3	4191.8	4778.2	5234.3	5439.1	5465.8
17.5°	1920.4	2356.8	2807.1	3216.5	3565.8	3896.9	4413.8	5155.9	5723.1	5913.4	5998.1
15°	2063.8	2537.0	3024.7	3459.8	3843.2	4248.1	4800.1	5554.8	6203.2	6413.9	6547.2
12.5°	2202.3	2708.8	3238.8	3695.1	4120.9	4575.1	5151.0	5841.8	6433.6	6841.2	7085.7
10°	2334.2	2871.0	3446.5	3920.9	4395.4	4878.3	5441.3	6055.6	6537.4	6930.5	7277.5
7.5°	2400.7	2977.0	3625.0	4135.8	4663.0	5158.5	5679.0	6206.2	6612.1	6997.6	7333.1
5°	2446.0	3020.6	3680.8	4210.7	4805.2	5345.5	5850.8	6305.3	6660.8	7043.0	7370.7
2.5°	2478.3	3048.8	3718.6	4251.7	4858.6	5403.0	5900.3	6338.4	6701.1	7075.4	7411.0
0°	2497.8	3062.2	3737.9	4276.9	4892.1	5440.8	5929.1	6350.9	6727.8	7091.0	7452.3
-2.5°	2508.8	3103.2	3750.7	4341.7	4924.4	5473.4	5969.3	6381.1	6774.9	7120.6	7482.7
-5°	2507.4	3127.6	3747.3	4385.2	4939.8	5486.2	5989.4	6394.7	6800.5	7142.7	7495.1
-7.5°	2493.9	3133.2	3730.4	4398.9	4940.4	5481.9	5980.6	6401.2	6800.1	7163.0	7496.3
-10°	2469.6	3111.1	3714.8	4363.6	4921.5	5459.6	5953.6	6386.9	6784.2	7158.9	7489.8
-12.5°	2441.0	3065.4	3682.2	4312.8	4883.0	5418.1	5912.6	6350.3	6754.5	7128.2	7474.9
-15°	2398.0	3004.7	3628.7	4248.3	4824.4	5357.7	5859.4	6290.6	6708.7	7074.7	7430.5
-17.5°	2340.3	2929.5	3553.5	4171.7	4745.5	5278.9	5791.2	6211.8	6627.9	7006.1	7349.5
-20°	2267.5	2840.3	3455.7	4084.6	4645.2	5173.0	5669.3	6109.9	6523.2	6907.9	7268.8



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 CATALOG NUMBER: GFLD-SA5C-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°	2179.6	2737.8	3337.9	3967.1	4520.1	5041.9	5532.3	5980.0	6408.3	6780.3	7164.9
-25°	2091.5	2629.4	3207.8	3804.5	4374.8	4894.4	5386.2	5822.3	6260.1	6647.1	7012.4
-27.5°	2007.1	2503.8	3056.7	3625.4	4210.1	4727.3	5214.7	5651.1	6076.1	6499.2	6850.9
-30°	1912.4	2358.3	2891.0	3434.3	4004.3	4530.8	5021.8	5474.7	5879.2	6297.0	6674.6
-32.5°	1807.9	2204.1	2716.1	3238.7	3776.2	4314.3	4800.8	5250.6	5671.4	6066.6	6463.0
-35°	1705.8	2079.5	2530.7	3028.7	3534.6	4062.5	4549.3	4994.8	5431.5	5823.0	6201.8
-37.5°	1613.8	1944.6	2333.7	2809.4	3292.8	3792.2	4287.2	4718.5	5134.0	5564.5	5933.9
-40°	1514.4	1799.7	2163.1	2583.5	3039.1	3514.0	3988.1	4434.2	4824.8	5250.2	5656.5
-42.5°	1410.2	1681.7	1994.7	2344.4	2774.5	3222.2	3679.9	4116.3	4521.9	4923.2	5325.8
-45°	1319.1	1556.8	1823.5	2143.0	2493.1	2914.2	3347.5	3782.6	4171.8	4554.2	4951.8
-47.5°	1222.1	1431.3	1677.9	1933.1	2237.4	2589.5	2996.9	3398.2	3796.6	4160.5	4512.3
-50°	1125.5	1318.4	1520.9	1750.7	2001.8	2287.3	2625.7	2998.6	3362.6	3736.1	4084.6
-52.5°	1042.2	1199.5	1382.5	1574.3	1789.3	2025.4	2296.6	2602.9	2933.9	3250.9	3598.6
-55°	955.8	1097.6	1245.3	1414.1	1593.1	1792.4	2014.6	2272.1	2524.7	2817.9	3101.7
-57.5°	877.0	996.6	1122.6	1262.0	1417.4	1576.9	1771.1	1971.5	2200.7	2428.5	2653.3
-60°	802.8	900.4	1007.3	1125.3	1250.2	1392.2	1537.2	1709.2	1893.9	2075.7	2266.4
-62.5°	727.8	810.0	897.1	995.2	1104.0	1211.3	1335.1	1467.7	1603.5	1757.7	1908.1
-65°	650.8	717.3	791.2	872.5	959.3	1050.7	1145.8	1243.9	1359.5	1472.5	1581.8
-67.5°	569.0	625.9	685.7	749.7	822.6	894.3	966.0	1048.8	1133.9	1217.5	1304.2
-70°	478.4	532.0	581.8	633.8	687.9	744.1	805.3	866.1	926.1	988.8	1058.3
-72.5°	386.2	435.6	479.4	517.7	562.2	608.9	653.7	696.3	741.6	789.1	836.2
-75°	308.0	340.6	379.8	415.5	450.9	483.8	513.3	549.5	587.3	621.8	650.3
-77.5°	240.4	270.0	296.8	320.8	349.0	381.9	410.6	435.3	459.3	485.5	513.2
-80°	174.9	199.5	223.9	246.1	262.3	280.9	302.9	328.1	350.0	367.7	383.9
-82.5°	112.9	130.7	148.8	167.3	174.9	180.0	184.8	193.5	207.0	220.4	233.2
-85°	56.3	61.4	72.5	83.9	87.8	90.6	92.5	93.5	98.1	102.3	106.0
-87.5°	28.2	30.7	33.3	35.8	34.5	32.7	30.4	27.7	27.0	26.2	25.2
-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):

	-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	2.8	2.7	2.4	2.4	2.5	2.4	2.2	1.7	1.2
62.5°	4.9	5.5	4.4	4.3	4.2	4.1	4.0	3.7	3.5	3.3	3.4
60°	30.6	18.1	10.6	12.4	11.1	7.4	9.4	11.0	11.1	10.2	9.0
57.5°	169.7	126.8	93.8	224.1	224.8	107.3	129.2	203.2	167.3	55.0	51.0
55°	472.2	564.8	743.3	706.1	717.6	825.3	901.2	797.8	782.1	833.4	962.7
52.5°	848.4	936.6	996.7	1052.9	1121.3	1194.8	1270.5	1318.7	1363.7	1411.7	1440.2
50°	1083.4	1207.8	1293.2	1261.7	1438.7	1511.1	1437.6	1503.3	1583.5	1605.4	1615.7
47.5°	1599.7	1782.1	1818.3	1935.8	2041.4	2039.1	1949.5	1954.7	2193.3	2403.7	2507.1
45°	2299.0	2305.2	2419.9	2627.4	2775.7	2729.0	2854.2	3138.7	3233.5	3325.0	3400.1
42.5°	2571.4	2684.4	2867.3	3050.8	3161.4	3257.3	3349.9	3454.5	3577.5	3677.3	3757.0
40°	2835.2	2926.2	3113.6	3261.4	3352.9	3442.5	3550.4	3666.3	3778.9	3866.5	3926.4
37.5°	3241.2	3311.8	3357.4	3494.5	3667.8	3587.8	3792.7	3939.6	4006.8	4095.8	4103.8
35°	3855.5	3808.6	3747.8	4293.8	4326.5	4142.1	4333.7	4561.4	4441.4	4691.4	4825.8
32.5°	4400.1	4393.0	4869.6	5156.7	4991.5	5126.3	5568.0	5548.4	5842.8	5979.4	5940.5
30°	4913.1	5088.2	5363.8	5577.6	5606.2	5818.7	6014.8	6186.7	6364.5	6523.7	6534.7
27.5°	5173.6	5402.0	5589.1	5712.8	5850.8	6029.6	6207.7	6401.2	6552.4	6652.2	6676.6
25°	5331.1	5564.5	5706.1	5839.3	5991.6	6145.9	6345.3	6556.0	6677.4	6739.1	6758.7
22.5°	5470.0	5679.7	5832.0	5940.1	6104.0	6270.0	6455.9	6634.3	6766.2	6793.1	6802.9
20°	5603.7	5805.2	6059.5	6218.6	6210.6	6397.7	6576.7	6718.6	6828.6	6828.0	6830.6
17.5°	5990.5	6062.4	6524.0	6874.4	6700.9	6609.4	7101.8	7111.2	7140.4	7082.2	6956.2
15°	6563.1	6694.1	7261.1	7641.0	7521.4	7515.1	8226.4	8050.0	8201.8	8162.1	8332.9
12.5°	7169.7	7324.8	7748.5	8121.5	8299.3	8343.0	8580.6	8803.2	8848.9	8830.8	8797.3
10°	7583.0	7803.8	7974.0	8200.5	8379.8	8562.6	8700.2	8860.1	8912.5	8882.2	8839.4
7.5°	7636.8	7855.0	8054.9	8253.6	8424.3	8571.7	8714.5	8844.6	8897.9	8880.3	8850.9
5°	7671.0	7868.7	8062.4	8264.0	8427.3	8563.8	8706.2	8838.0	8869.4	8848.2	8819.6
2.5°	7692.1	7875.1	8061.8	8262.6	8410.8	8540.8	8684.9	8825.5	8825.3	8816.0	8799.2
0°	7702.3	7885.9	8102.6	8284.3	8450.3	8573.3	8715.9	8852.6	8842.8	8817.4	8788.1
-2.5°	7724.2	7910.2	8131.5	8282.0	8469.1	8581.8	8729.2	8847.6	8843.0	8830.5	8816.0
-5°	7743.8	7953.0	8160.0	8318.3	8505.8	8653.2	8799.6	8892.2	8897.2	8879.8	8855.4
-7.5°	7755.8	7987.6	8185.1	8344.1	8526.0	8697.4	8845.9	8943.1	8945.2	8922.1	8892.9
-10°	7751.8	7996.6	8199.8	8364.1	8550.5	8719.7	8875.0	8998.2	8994.1	8972.2	8947.2
-12.5°	7737.2	7981.7	8190.4	8355.2	8566.8	8741.0	8915.7	9038.2	9044.7	9028.2	9001.2
-15°	7704.9	7957.4	8160.4	8340.4	8547.8	8751.4	8930.9	9066.1	9090.2	9076.7	9055.4
-17.5°	7641.3	7907.7	8123.0	8317.0	8515.9	8733.0	8937.2	9085.0	9118.0	9112.6	9094.9
-20°	7557.7	7832.7	8051.3	8254.5	8471.1	8694.7	8932.3	9067.3	9115.2	9118.2	9106.2



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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°	7464.0	7733.1	7965.0	8164.8	8399.6	8626.0	8841.1	8999.3	9079.7	9094.6	9095.6
-25°	7351.5	7628.1	7858.5	8071.2	8289.7	8523.4	8740.8	8917.4	8998.9	9037.8	9049.9
-27.5°	7192.6	7478.5	7705.2	7930.0	8152.3	8393.7	8622.2	8814.2	8880.5	8934.0	8955.5
-30°	7006.4	7289.1	7520.3	7725.9	7980.1	8226.2	8462.1	8629.6	8729.5	8790.7	8824.2
-32.5°	6792.3	7077.7	7320.4	7535.0	7776.6	8022.8	8244.6	8421.3	8559.1	8629.7	8665.5
-35°	6560.2	6851.5	7105.5	7331.7	7559.2	7793.8	8023.7	8208.5	8365.5	8426.2	8471.0
-37.5°	6280.2	6601.6	6862.0	7095.2	7311.4	7532.0	7771.3	7982.7	8135.2	8194.0	8241.3
-40°	5993.1	6303.7	6566.4	6815.1	7028.9	7269.7	7500.3	7721.8	7854.1	7922.7	7976.2
-42.5°	5690.0	5970.6	6220.4	6462.0	6700.0	6948.0	7178.4	7408.6	7523.0	7605.7	7671.3
-45°	5340.1	5601.2	5844.0	6070.1	6315.4	6559.2	6789.8	6993.2	7129.3	7237.0	7320.8
-47.5°	4873.7	5191.8	5435.5	5650.5	5893.7	6128.9	6352.3	6543.6	6692.9	6818.9	6916.2
-50°	4399.9	4705.2	4980.0	5221.7	5447.3	5664.8	5877.5	6064.6	6222.6	6359.1	6457.8
-52.5°	3933.3	4219.4	4492.1	4741.6	4958.4	5163.7	5358.3	5546.6	5713.2	5859.2	5954.6
-55°	3406.1	3702.5	3972.3	4204.9	4421.6	4624.5	4816.6	4995.2	5159.2	5307.9	5399.3
-57.5°	2911.6	3171.5	3422.6	3637.3	3841.8	4035.1	4217.3	4388.2	4546.0	4686.0	4774.1
-60°	2457.0	2646.5	2862.5	3060.8	3242.2	3406.6	3576.6	3735.9	3881.0	4004.0	4086.1
-62.5°	2055.2	2212.2	2368.2	2519.0	2666.1	2813.9	2956.2	3088.3	3209.5	3310.3	3382.2
-65°	1697.2	1823.4	1936.2	2043.1	2144.9	2261.5	2369.7	2471.5	2565.7	2642.9	2697.7
-67.5°	1397.5	1486.2	1564.2	1637.5	1717.8	1800.2	1877.4	1944.7	2002.3	2048.1	2084.2
-70°	1127.0	1192.2	1251.0	1309.5	1368.2	1421.7	1472.8	1522.3	1569.3	1607.6	1636.4
-72.5°	882.6	927.2	967.2	1012.3	1054.5	1095.1	1130.4	1159.0	1181.1	1202.7	1221.5
-75°	672.8	706.3	751.5	789.7	821.2	849.1	874.7	897.4	917.4	935.2	950.8
-77.5°	541.2	569.6	598.4	626.2	653.2	673.2	691.7	710.3	728.5	744.3	758.1
-80°	401.1	422.3	444.5	466.8	489.1	500.2	509.0	517.2	524.4	533.8	542.5
-82.5°	245.3	257.3	269.6	282.1	294.6	297.7	298.8	298.5	296.9	293.5	288.4
-85°	109.1	109.8	109.4	108.2	106.1	101.8	96.5	90.4	83.6	82.5	81.2
-87.5°	24.0	23.5	22.8	22.1	21.2	21.2	21.1	21.0	20.8	21.5	22.1
-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: P645519 (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°	3.6	3.7	3.9	3.9	3.9	3.7	3.6	3.4	3.3	3.5	3.7
60°	7.1	4.6	3.9	3.9	3.9	4.6	7.1	9.0	10.2	11.1	11.0
57.5°	43.1	32.2	27.4	25.4	27.4	32.2	43.1	51.0	55.0	167.3	203.2
55°	1055.4	1109.1	1149.3	1167.8	1149.3	1109.1	1055.4	962.7	833.4	782.1	797.8
52.5°	1465.4	1488.8	1502.3	1501.8	1502.3	1488.8	1465.4	1440.2	1411.7	1363.7	1318.7
50°	1633.4	1644.7	1648.8	1646.3	1648.8	1644.7	1633.4	1615.7	1605.4	1583.5	1503.3
47.5°	2412.7	2203.9	2050.4	2013.5	2050.4	2203.9	2412.7	2507.1	2403.7	2193.3	1954.7
45°	3436.1	3515.3	3594.2	3618.8	3594.2	3515.3	3436.1	3400.1	3325.0	3233.5	3138.7
42.5°	3790.6	3816.4	3831.0	3831.6	3831.0	3816.4	3790.6	3757.0	3677.3	3577.5	3454.5
40°	3959.8	3984.1	3998.3	3999.6	3998.3	3984.1	3959.8	3926.4	3866.5	3778.9	3666.3
37.5°	4113.5	4134.2	4147.8	4161.7	4147.8	4134.2	4113.5	4103.8	4095.8	4006.8	3939.6
35°	4807.7	4650.4	4424.2	4458.5	4424.2	4650.4	4807.7	4825.8	4691.4	4441.4	4561.4
32.5°	6001.3	6067.5	6108.7	6179.0	6108.7	6067.5	6001.3	5940.5	5979.4	5842.8	5548.4
30°	6552.1	6574.0	6607.1	6641.9	6607.1	6574.0	6552.1	6534.7	6523.7	6364.5	6186.7
27.5°	6689.6	6712.2	6732.3	6747.3	6732.3	6712.2	6689.6	6676.6	6652.2	6552.4	6401.2
25°	6761.5	6775.6	6796.9	6815.7	6796.9	6775.6	6761.5	6758.7	6739.1	6677.4	6556.0
22.5°	6797.2	6798.7	6815.4	6839.1	6815.4	6798.7	6797.2	6802.9	6793.1	6766.2	6634.3
20°	6821.7	6808.4	6825.7	6841.1	6825.7	6808.4	6821.7	6830.6	6828.0	6828.6	6718.6
17.5°	7134.0	6955.8	6882.6	6884.0	6882.6	6955.8	7134.0	6956.2	7082.2	7140.4	7111.2
15°	8141.1	8208.0	8464.2	8602.6	8464.2	8208.0	8141.1	8332.9	8162.1	8201.8	8050.0
12.5°	8791.1	8767.3	8736.9	8778.4	8736.9	8767.3	8791.1	8797.3	8830.8	8848.9	8803.2
10°	8821.2	8818.5	8764.2	8823.3	8764.2	8818.5	8821.2	8839.4	8882.2	8912.5	8860.1
7.5°	8802.7	8804.4	8781.3	8838.9	8781.3	8804.4	8802.7	8850.9	8880.3	8897.9	8844.6
5°	8815.0	8775.3	8790.3	8823.3	8790.3	8775.3	8815.0	8819.6	8848.2	8869.4	8838.0
2.5°	8780.9	8776.8	8747.5	8770.5	8747.5	8776.8	8780.9	8799.2	8816.0	8825.3	8825.5
0°	8754.9	8733.4	8733.4	8753.0	8733.4	8733.4	8754.9	8788.1	8817.4	8842.8	8852.6
-2.5°	8801.1	8796.6	8793.8	8780.3	8793.8	8796.6	8801.1	8816.0	8830.5	8843.0	8847.6
-5°	8839.1	8827.4	8795.5	8838.9	8795.5	8827.4	8839.1	8855.4	8879.8	8897.2	8892.2
-7.5°	8879.9	8850.3	8819.9	8887.7	8819.9	8850.3	8879.9	8892.9	8922.1	8945.2	8943.1
-10°	8917.2	8874.4	8844.8	8911.2	8844.8	8874.4	8917.2	8947.2	8972.2	8994.1	8998.2
-12.5°	8966.5	8916.4	8896.7	8932.6	8896.7	8916.4	8966.5	9001.2	9028.2	9044.7	9038.2
-15°	9019.1	8984.4	8979.8	9001.0	8979.8	8984.4	9019.1	9055.4	9076.7	9090.2	9066.1
-17.5°	9065.3	9040.9	9053.0	9077.2	9053.0	9040.9	9065.3	9094.9	9112.6	9118.0	9085.0
-20°	9087.3	9073.7	9087.2	9147.5	9087.2	9073.7	9087.3	9106.2	9118.2	9115.2	9067.3



REPORT NUMBER: P645519 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5C-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°	9085.5	9086.3	9110.2	9129.9	9110.2	9086.3	9085.5	9095.6	9094.6	9079.7	8999.3
-25°	9050.8	9069.1	9096.4	9135.7	9096.4	9069.1	9050.8	9049.9	9037.8	8998.9	8917.4
-27.5°	8967.2	8997.5	9026.1	9067.4	9026.1	8997.5	8967.2	8955.5	8934.0	8880.5	8814.2
-30°	8846.3	8882.4	8907.9	8952.2	8907.9	8882.4	8846.3	8824.2	8790.7	8729.5	8629.6
-32.5°	8699.2	8740.0	8770.3	8801.8	8770.3	8740.0	8699.2	8665.5	8629.7	8559.1	8421.3
-35°	8515.3	8559.3	8591.4	8620.2	8591.4	8559.3	8515.3	8471.0	8426.2	8365.5	8208.5
-37.5°	8294.3	8341.8	8378.4	8411.2	8378.4	8341.8	8294.3	8241.3	8194.0	8135.2	7982.7
-40°	8036.9	8085.5	8124.6	8161.2	8124.6	8085.5	8036.9	7976.2	7922.7	7854.1	7721.8
-42.5°	7735.9	7785.0	7825.4	7862.4	7825.4	7785.0	7735.9	7671.3	7605.7	7523.0	7408.6
-45°	7388.3	7438.9	7481.5	7520.7	7481.5	7438.9	7388.3	7320.8	7237.0	7129.3	6993.2
-47.5°	6988.0	7042.1	7078.6	7096.9	7078.6	7042.1	6988.0	6916.2	6818.9	6692.9	6543.6
-50°	6529.2	6583.3	6627.1	6659.4	6627.1	6583.3	6529.2	6457.8	6359.1	6222.6	6064.6
-52.5°	6024.2	6075.6	6113.3	6136.1	6113.3	6075.6	6024.2	5954.6	5859.2	5713.2	5546.6
-55°	5471.2	5525.0	5560.8	5577.5	5560.8	5525.0	5471.2	5399.3	5307.9	5159.2	4995.2
-57.5°	4844.0	4895.1	4933.1	4954.5	4933.1	4895.1	4844.0	4774.1	4686.0	4546.0	4388.2
-60°	4150.1	4195.8	4224.6	4235.9	4224.6	4195.8	4150.1	4086.1	4004.0	3881.0	3735.9
-62.5°	3440.3	3483.6	3510.6	3521.1	3510.6	3483.6	3440.3	3382.2	3310.3	3209.5	3088.3
-65°	2738.6	2765.7	2780.7	2782.9	2780.7	2765.7	2738.6	2697.7	2642.9	2565.7	2471.5
-67.5°	2112.8	2133.4	2146.0	2150.2	2146.0	2133.4	2112.8	2084.2	2048.1	2002.3	1944.7
-70°	1657.8	1672.1	1680.1	1681.5	1680.1	1672.1	1657.8	1636.4	1607.6	1569.3	1522.3
-72.5°	1236.0	1246.2	1242.6	1234.2	1242.6	1246.2	1236.0	1221.5	1202.7	1181.1	1159.0
-75°	964.2	975.5	970.8	962.8	970.8	975.5	964.2	950.8	935.2	917.4	897.4
-77.5°	770.3	780.5	775.5	767.5	775.5	780.5	770.3	758.1	744.3	728.5	710.3
-80°	550.1	556.1	560.3	562.4	560.3	556.1	550.1	542.5	533.8	524.4	517.2
-82.5°	281.6	273.3	268.1	261.7	268.1	273.3	281.6	288.4	293.5	296.9	298.5
-85°	79.6	77.7	79.0	80.1	79.0	77.7	79.6	81.2	82.5	83.6	90.4
-87.5°	22.7	23.3	23.4	23.4	23.4	23.3	22.7	22.1	21.5	20.8	21.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645519 (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°
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	2.4
65°	2.5	2.4	2.4	2.7	2.8	2.7	2.8	2.8	2.8	2.7	2.5
62.5°	4.0	4.1	4.2	4.3	4.4	5.5	4.9	4.9	4.6	5.6	7.6
60°	9.4	7.4	11.1	12.4	10.6	18.1	30.6	27.6	8.2	44.2	51.0
57.5°	129.2	107.3	224.8	224.1	93.8	126.8	169.7	111.8	73.1	125.2	165.4
55°	901.2	825.3	717.6	706.1	743.3	564.8	472.2	454.4	355.7	231.2	274.6
52.5°	1270.5	1194.8	1121.3	1052.9	996.7	936.6	848.4	753.0	722.5	581.7	448.6
50°	1437.6	1511.1	1438.7	1261.7	1293.2	1207.8	1083.4	982.0	1002.8	916.7	739.1
47.5°	1949.5	2039.1	2041.4	1935.8	1818.3	1782.1	1599.7	1282.9	1304.1	1300.4	1112.3
45°	2854.2	2729.0	2775.7	2627.4	2419.9	2305.2	2299.0	1960.1	1646.2	1595.2	1577.0
42.5°	3349.9	3257.3	3161.4	3050.8	2867.3	2684.4	2571.4	2380.7	2128.4	1905.0	1825.8
40°	3550.4	3442.5	3352.9	3261.4	3113.6	2926.2	2835.2	2584.9	2395.2	2201.8	2137.4
37.5°	3792.7	3587.8	3667.8	3494.5	3357.4	3311.8	3241.2	2980.7	2560.2	2524.9	2492.3
35°	4333.7	4142.1	4326.5	4293.8	3747.8	3808.6	3855.5	3535.4	3095.1	2856.4	2861.6
32.5°	5568.0	5126.3	4991.5	5156.7	4869.6	4393.0	4400.1	4302.6	3701.7	3354.4	3202.4
30°	6014.8	5818.7	5606.2	5577.6	5363.8	5088.2	4913.1	4678.8	4241.5	3845.1	3584.6
27.5°	6207.7	6029.6	5850.8	5712.8	5589.1	5402.0	5173.6	4898.3	4587.2	4231.9	3978.9
25°	6345.3	6145.9	5991.6	5839.3	5706.1	5564.5	5331.1	5063.0	4772.7	4486.3	4214.6
22.5°	6455.9	6270.0	6104.0	5940.1	5832.0	5679.7	5470.0	5193.1	4998.3	4816.2	4462.9
20°	6576.7	6397.7	6210.6	6218.6	6059.5	5805.2	5603.7	5465.8	5439.1	5234.3	4778.2
17.5°	7101.8	6609.4	6700.9	6874.4	6524.0	6062.4	5990.5	5998.1	5913.4	5723.1	5155.9
15°	8226.4	7515.1	7521.4	7641.0	7261.1	6694.1	6563.1	6547.2	6413.9	6203.2	5554.8
12.5°	8580.6	8343.0	8299.3	8121.5	7748.5	7324.8	7169.7	7085.7	6841.2	6433.6	5841.8
10°	8700.2	8562.6	8379.8	8200.5	7974.0	7803.8	7583.0	7277.5	6930.5	6537.4	6055.6
7.5°	8714.5	8571.7	8424.3	8253.6	8054.9	7855.0	7636.8	7333.1	6997.6	6612.1	6206.2
5°	8706.2	8563.8	8427.3	8264.0	8062.4	7868.7	7671.0	7370.7	7043.0	6660.8	6305.3
2.5°	8684.9	8540.8	8410.8	8262.6	8061.8	7875.1	7692.1	7411.0	7075.4	6701.1	6338.4
0°	8715.9	8573.3	8450.3	8284.3	8102.6	7885.9	7702.3	7452.3	7091.0	6727.8	6350.9
-2.5°	8729.2	8581.8	8469.1	8282.0	8131.5	7910.2	7724.2	7482.7	7120.6	6774.9	6381.1
-5°	8799.6	8653.2	8505.8	8318.3	8160.0	7953.0	7743.8	7495.1	7142.7	6800.5	6394.7
-7.5°	8845.9	8697.4	8526.0	8344.1	8185.1	7987.6	7755.8	7496.3	7163.0	6800.1	6401.2
-10°	8875.0	8719.7	8550.5	8364.1	8199.8	7996.6	7751.8	7489.8	7158.9	6784.2	6386.9
-12.5°	8915.7	8741.0	8566.8	8355.2	8190.4	7981.7	7737.2	7474.9	7128.2	6754.5	6350.3
-15°	8930.9	8751.4	8547.8	8340.4	8160.4	7957.4	7704.9	7430.5	7074.7	6708.7	6290.6
-17.5°	8937.2	8733.0	8515.9	8317.0	8123.0	7907.7	7641.3	7349.5	7006.1	6627.9	6211.8
-20°	8932.3	8694.7	8471.1	8254.5	8051.3	7832.7	7557.7	7268.8	6907.9	6523.2	6109.9



REPORT NUMBER: P645519 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5C-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°	8841.1	8626.0	8399.6	8164.8	7965.0	7733.1	7464.0	7164.9	6780.3	6408.3	5980.0
-25°	8740.8	8523.4	8289.7	8071.2	7858.5	7628.1	7351.5	7012.4	6647.1	6260.1	5822.3
-27.5°	8622.2	8393.7	8152.3	7930.0	7705.2	7478.5	7192.6	6850.9	6499.2	6076.1	5651.1
-30°	8462.1	8226.2	7980.1	7725.9	7520.3	7289.1	7006.4	6674.6	6297.0	5879.2	5474.7
-32.5°	8244.6	8022.8	7776.6	7535.0	7320.4	7077.7	6792.3	6463.0	6066.6	5671.4	5250.6
-35°	8023.7	7793.8	7559.2	7331.7	7105.5	6851.5	6560.2	6201.8	5823.0	5431.5	4994.8
-37.5°	7771.3	7532.0	7311.4	7095.2	6862.0	6601.6	6280.2	5933.9	5564.5	5134.0	4718.5
-40°	7500.3	7269.7	7028.9	6815.1	6566.4	6303.7	5993.1	5656.5	5250.2	4824.8	4434.2
-42.5°	7178.4	6948.0	6700.0	6462.0	6220.4	5970.6	5690.0	5325.8	4923.2	4521.9	4116.3
-45°	6789.8	6559.2	6315.4	6070.1	5844.0	5601.2	5340.1	4951.8	4554.2	4171.8	3782.6
-47.5°	6352.3	6128.9	5893.7	5650.5	5435.5	5191.8	4873.7	4512.3	4160.5	3796.6	3398.2
-50°	5877.5	5664.8	5447.3	5221.7	4980.0	4705.2	4399.9	4084.6	3736.1	3362.6	2998.6
-52.5°	5358.3	5163.7	4958.4	4741.6	4492.1	4219.4	3933.3	3598.6	3250.9	2933.9	2602.9
-55°	4816.6	4624.5	4421.6	4204.9	3972.3	3702.5	3406.1	3101.7	2817.9	2524.7	2272.1
-57.5°	4217.3	4035.1	3841.8	3637.3	3422.6	3171.5	2911.6	2653.3	2428.5	2200.7	1971.5
-60°	3576.6	3406.6	3242.2	3060.8	2862.5	2646.5	2457.0	2266.4	2075.7	1893.9	1709.2
-62.5°	2956.2	2813.9	2666.1	2519.0	2368.2	2212.2	2055.2	1908.1	1757.7	1603.5	1467.7
-65°	2369.7	2261.5	2144.9	2043.1	1936.2	1823.4	1697.2	1581.8	1472.5	1359.5	1243.9
-67.5°	1877.4	1800.2	1717.8	1637.5	1564.2	1486.2	1397.5	1304.2	1217.5	1133.9	1048.8
-70°	1472.8	1421.7	1368.2	1309.5	1251.0	1192.2	1127.0	1058.3	988.8	926.1	866.1
-72.5°	1130.4	1095.1	1054.5	1012.3	967.2	927.2	882.6	836.2	789.1	741.6	696.3
-75°	874.7	849.1	821.2	789.7	751.5	706.3	672.8	650.3	621.8	587.3	549.5
-77.5°	691.7	673.2	653.2	626.2	598.4	569.6	541.2	513.2	485.5	459.3	435.3
-80°	509.0	500.2	489.1	466.8	444.5	422.3	401.1	383.9	367.7	350.0	328.1
-82.5°	298.8	297.7	294.6	282.1	269.6	257.3	245.3	233.2	220.4	207.0	193.5
-85°	96.5	101.8	106.1	108.2	109.4	109.8	109.1	106.0	102.3	98.1	93.5
-87.5°	21.1	21.2	21.2	22.1	22.8	23.5	24.0	25.2	26.2	27.0	27.7
-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: P645519 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5C-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	0.9	1.0	1.0
85°	2.0	2.0	2.0	2.0	2.0	2.0	1.8	1.7	1.9	2.0	2.1
82.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.5	3.0	3.1
80°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.5	3.0	3.5
77.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.6	3.0	3.5
75°	2.0	2.0	2.0	2.1	2.1	2.0	2.0	2.1	2.6	3.1	3.5
72.5°	2.0	2.0	2.0	2.2	2.5	2.5	2.3	2.2	2.7	3.1	3.6
70°	2.3	2.1	2.0	2.3	2.8	3.2	3.1	3.1	2.7	3.2	3.6
67.5°	2.9	3.0	2.7	2.7	2.9	3.3	3.8	4.4	4.4	3.3	3.7
65°	3.0	3.5	4.1	5.5	4.9	3.4	3.9	7.7	6.1	5.2	3.7
62.5°	6.4	3.6	12.3	16.5	9.3	7.3	5.8	17.0	10.7	7.2	5.2
60°	15.3	12.6	34.4	55.2	38.5	13.0	19.1	29.5	27.1	9.4	7.4
57.5°	143.2	49.2	71.4	103.2	101.4	55.0	40.1	53.5	46.1	26.5	10.4
55°	305.7	257.3	169.9	155.6	168.1	135.7	88.3	86.7	71.1	49.2	16.8
52.5°	419.4	437.7	381.0	266.2	231.8	220.9	172.5	125.7	111.6	73.9	42.8
50°	607.2	565.4	559.7	469.9	325.0	294.2	254.7	196.4	156.6	105.7	72.3
47.5°	857.8	753.4	698.2	657.8	518.6	375.0	334.0	268.5	206.2	152.4	103.2
45°	1225.8	973.9	866.9	801.5	710.6	527.4	418.0	338.6	268.8	204.5	135.6
42.5°	1595.3	1259.2	1059.6	953.9	859.4	699.5	507.8	419.4	329.7	257.6	176.6
40°	1921.6	1553.4	1262.2	1126.2	1005.4	865.8	653.3	505.9	389.4	312.3	223.3
37.5°	2314.3	1888.3	1495.3	1306.8	1161.1	1004.6	800.8	596.3	461.2	369.7	270.1
35°	2694.2	2321.9	1756.1	1525.0	1334.4	1147.0	943.0	703.0	549.4	427.9	316.8
32.5°	3102.1	2729.6	2150.1	1768.6	1513.7	1292.5	1075.9	832.9	638.1	486.9	363.4
30°	3423.3	2998.1	2495.7	2012.5	1708.8	1454.9	1208.5	957.4	727.0	546.4	410.5
27.5°	3593.6	3230.4	2768.5	2284.3	1928.4	1621.3	1345.2	1076.5	815.8	611.8	459.5
25°	3769.7	3394.0	2963.6	2521.9	2145.2	1797.5	1481.3	1190.0	912.7	685.6	507.9
22.5°	3980.3	3533.1	3128.0	2710.2	2368.9	1976.2	1624.1	1304.9	1009.6	757.9	555.6
20°	4191.8	3662.3	3290.4	2966.4	2588.3	2169.5	1773.3	1417.0	1101.0	828.3	602.3
17.5°	4413.8	3896.9	3565.8	3216.5	2807.1	2356.8	1920.4	1525.6	1186.8	896.5	647.6
15°	4800.1	4248.1	3843.2	3459.8	3024.7	2537.0	2063.8	1629.9	1266.8	962.0	689.8
12.5°	5151.0	4575.1	4120.9	3695.1	3238.8	2708.8	2202.3	1729.2	1341.0	1014.3	727.3
10°	5441.3	4878.3	4395.4	3920.9	3446.5	2871.0	2334.2	1810.1	1385.4	1053.2	761.9
7.5°	5679.0	5158.5	4663.0	4135.8	3625.0	2977.0	2400.7	1857.2	1419.9	1086.4	793.4
5°	5850.8	5345.5	4805.2	4210.7	3680.8	3020.6	2446.0	1895.6	1447.7	1114.1	821.8
2.5°	5900.3	5403.0	4858.6	4251.7	3718.6	3048.8	2478.3	1925.0	1469.0	1136.6	847.1
0°	5929.1	5440.8	4892.1	4276.9	3737.9	3062.2	2497.8	1945.1	1484.2	1154.2	869.0
-2.5°	5969.3	5473.4	4924.4	4341.7	3750.7	3103.2	2508.8	1958.2	1503.3	1160.5	881.8
-5°	5989.4	5486.2	4939.8	4385.2	3747.3	3127.6	2507.4	1962.4	1515.8	1162.7	891.2
-7.5°	5980.6	5481.9	4940.4	4398.9	3730.4	3133.2	2493.9	1958.1	1520.8	1161.1	897.0
-10°	5953.6	5459.6	4921.5	4363.6	3714.8	3111.1	2469.6	1945.6	1517.9	1156.1	899.3
-12.5°	5912.6	5418.1	4883.0	4312.8	3682.2	3065.4	2441.0	1924.3	1505.6	1148.1	897.8
-15°	5859.4	5357.7	4824.4	4248.3	3628.7	3004.7	2398.0	1893.3	1481.7	1139.0	892.5
-17.5°	5791.2	5278.9	4745.5	4171.7	3553.5	2929.5	2340.3	1853.0	1451.9	1127.9	881.7
-20°	5669.3	5173.0	4645.2	4084.6	3455.7	2840.3	2267.5	1803.3	1416.4	1112.1	866.4



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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°	5532.3	5041.9	4520.1	3967.1	3337.9	2737.8	2179.6	1744.2	1375.4	1091.6	847.9
-25°	5386.2	4894.4	4374.8	3804.5	3207.8	2629.4	2091.5	1675.8	1329.2	1066.3	826.5
-27.5°	5214.7	4727.3	4210.1	3625.4	3056.7	2503.8	2007.1	1615.3	1284.5	1036.0	802.2
-30°	5021.8	4530.8	4004.3	3434.3	2891.0	2358.3	1912.4	1550.6	1246.7	1002.9	775.1
-32.5°	4800.8	4314.3	3776.2	3238.7	2716.1	2204.1	1807.9	1481.4	1203.1	967.9	750.0
-35°	4549.3	4062.5	3534.6	3028.7	2530.7	2079.5	1705.8	1408.0	1153.6	930.0	723.6
-37.5°	4287.2	3792.2	3292.8	2809.4	2333.7	1944.6	1613.8	1335.5	1098.2	889.4	694.3
-40°	3988.1	3514.0	3039.1	2583.5	2163.1	1799.7	1514.4	1264.0	1046.0	846.2	662.4
-42.5°	3679.9	3222.2	2774.5	2344.4	1994.7	1681.7	1410.2	1186.9	990.8	804.4	627.7
-45°	3347.5	2914.2	2493.1	2143.0	1823.5	1556.8	1319.1	1107.1	932.0	761.7	591.9
-47.5°	2996.9	2589.5	2237.4	1933.1	1677.9	1431.3	1222.1	1038.0	870.3	715.9	556.0
-50°	2625.7	2287.3	2001.8	1750.7	1520.9	1318.4	1125.5	965.6	813.6	665.3	518.4
-52.5°	2296.6	2025.4	1789.3	1574.3	1382.5	1199.5	1042.2	891.5	755.2	616.9	479.1
-55°	2014.6	1792.4	1593.1	1414.1	1245.3	1097.6	955.8	825.6	695.3	568.4	439.3
-57.5°	1771.1	1576.9	1417.4	1262.0	1122.6	996.6	877.0	758.3	637.8	518.1	407.7
-60°	1537.2	1392.2	1250.2	1125.3	1007.3	900.4	802.8	691.0	579.8	467.8	372.8
-62.5°	1335.1	1211.3	1104.0	995.2	897.1	810.0	727.8	625.1	520.1	421.3	334.8
-65°	1145.8	1050.7	959.3	872.5	791.2	717.3	650.8	557.6	460.2	372.1	295.4
-67.5°	966.0	894.3	822.6	749.7	685.7	625.9	569.0	484.8	397.7	320.2	256.3
-70°	805.3	744.1	687.9	633.8	581.8	532.0	478.4	407.3	332.4	273.7	216.2
-72.5°	653.7	608.9	562.2	517.7	479.4	435.6	386.2	330.8	278.3	226.4	175.3
-75°	513.3	483.8	450.9	415.5	379.8	340.6	308.0	269.3	223.5	178.2	141.2
-77.5°	410.6	381.9	349.0	320.8	296.8	270.0	240.4	206.7	170.4	138.6	109.2
-80°	302.9	280.9	262.3	246.1	223.9	199.5	174.9	150.4	123.9	99.2	76.5
-82.5°	184.8	180.0	174.9	167.3	148.8	130.7	112.9	95.4	76.6	59.3	49.1
-85°	92.5	90.6	87.8	83.9	72.5	61.4	56.3	51.0	44.7	38.6	32.8
-87.5°	30.4	32.7	34.5	35.8	33.3	30.7	28.2	25.6	22.4	19.3	16.4
-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°	1.0	0.8	0.7	0.5	0.3	0.2	0.0
85°	2.0	1.7	1.4	1.0	0.7	0.4	0.0
82.5°	3.0	2.5	2.0	1.5	1.0	0.6	0.0
80°	3.9	3.4	2.7	2.0	1.4	0.9	0.0
77.5°	3.9	3.9	3.4	2.5	1.7	1.1	0.0
75°	4.0	4.1	3.9	3.0	2.1	1.3	0.0
72.5°	4.0	4.2	4.1	3.5	2.4	1.5	0.0
70°	4.1	4.4	4.3	3.9	2.7	1.7	0.0
67.5°	4.6	4.5	4.5	4.1	3.1	1.9	0.0
65°	5.2	5.2	4.7	4.3	3.5	2.1	0.0
62.5°	6.1	6.5	4.9	4.5	3.8	2.3	0.0
60°	7.2	7.9	5.2	4.7	4.2	2.5	0.0
57.5°	13.4	9.4	6.7	5.0	4.4	2.7	0.0
55°	21.3	11.1	8.3	5.2	4.6	2.9	0.0
52.5°	30.6	14.2	10.0	5.4	4.8	3.1	0.0
50°	41.2	24.3	11.8	5.6	5.1	3.3	0.0
47.5°	55.4	35.1	13.6	6.1	5.3	3.5	0.0
45°	83.6	46.6	15.6	7.6	5.5	3.7	0.0
42.5°	112.4	58.9	17.6	9.1	5.8	3.9	0.0
40°	141.9	71.9	23.7	11.0	6.0	4.0	0.0
37.5°	172.0	85.6	33.9	13.3	6.3	4.2	0.0
35°	202.6	106.4	44.2	16.0	6.5	4.4	0.0
32.5°	235.7	130.4	54.7	18.8	6.8	4.5	0.0
30°	273.5	154.3	65.3	21.9	7.1	4.7	0.0
27.5°	310.6	177.9	78.3	25.2	7.3	4.8	0.0
25°	346.8	201.2	91.7	28.7	7.6	5.0	0.0
22.5°	382.0	224.9	105.0	32.3	7.8	5.1	0.0
20°	416.0	250.3	118.2	36.0	8.1	5.2	0.0
17.5°	449.6	274.9	131.2	39.8	8.3	5.3	0.0
15°	481.9	298.5	143.8	43.6	8.6	5.4	0.0
12.5°	512.1	321.1	156.1	47.4	8.8	5.5	0.0
10°	540.1	342.4	167.8	51.1	9.0	5.6	0.0
7.5°	565.9	362.3	178.8	54.7	9.2	5.7	0.0
5°	589.3	380.6	189.1	58.2	9.4	5.8	0.0
2.5°	610.3	397.3	198.6	61.4	9.6	5.9	0.0
0°	628.8	412.1	207.0	64.4	9.8	5.9	0.0
-2.5°	638.0	421.5	214.9	68.6	11.3	6.2	0.0
-5°	644.8	428.9	221.6	72.5	12.8	6.6	0.0
-7.5°	649.1	434.3	227.0	75.9	14.3	6.9	0.0
-10°	651.0	437.7	231.2	78.9	15.7	7.1	0.0
-12.5°	650.7	439.0	234.0	81.4	17.0	7.4	0.0
-15°	648.1	438.4	235.3	83.4	18.3	7.6	0.0
-17.5°	643.4	435.8	235.1	84.9	19.5	7.9	0.0
-20°	636.0	431.1	233.4	85.8	20.6	8.1	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	625.4	424.5	230.1	86.0	21.5	8.2	0.0
-25°	612.3	414.3	225.2	85.6	22.4	8.3	0.0
-27.5°	596.7	401.6	218.7	84.6	23.1	8.4	0.0
-30°	578.7	387.1	210.4	82.8	23.7	8.5	0.0
-32.5°	558.3	370.9	200.9	80.4	24.2	8.5	0.0
-35°	536.2	353.1	190.2	77.3	24.5	8.5	0.0
-37.5°	512.5	335.1	178.5	73.4	24.7	8.4	0.0
-40°	486.9	318.8	165.7	68.8	24.7	8.4	0.0
-42.5°	459.6	301.4	156.1	63.9	24.6	8.2	0.0
-45°	430.5	282.8	149.5	58.9	24.3	8.1	0.0
-47.5°	399.8	263.2	141.7	53.2	23.8	7.9	0.0
-50°	374.1	242.6	132.7	51.3	23.2	7.6	0.0
-52.5°	348.5	220.9	122.6	50.3	22.5	7.4	0.0
-55°	321.8	204.5	111.4	48.7	21.6	7.0	0.0
-57.5°	294.1	187.9	99.1	46.6	20.6	6.7	0.0
-60°	266.0	169.7	86.2	44.0	19.4	6.3	0.0
-62.5°	240.3	150.1	80.1	40.8	18.2	5.9	0.0
-65°	212.8	129.2	73.1	37.3	16.9	5.5	0.0
-67.5°	183.6	111.7	65.3	33.2	15.5	5.0	0.0
-70°	152.8	97.7	56.8	28.8	14.1	4.5	0.0
-72.5°	129.2	82.7	47.7	25.4	12.5	4.0	0.0
-75°	105.6	66.8	37.9	22.1	10.8	3.5	0.0
-77.5°	80.9	50.1	31.3	18.6	9.1	2.9	0.0
-80°	55.2	38.2	25.3	15.0	7.4	2.4	0.0
-82.5°	40.5	28.9	19.1	11.4	5.6	1.8	0.0
-85°	27.2	19.4	12.8	7.6	3.7	1.2	0.0
-87.5°	13.6	9.7	6.4	3.8	1.9	0.6	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)