

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



Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P627411 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA4C-740-U-VWR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P627411 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-17)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 12/7/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA4C-740-U-VWR-XX
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N102
Light Source: (64) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

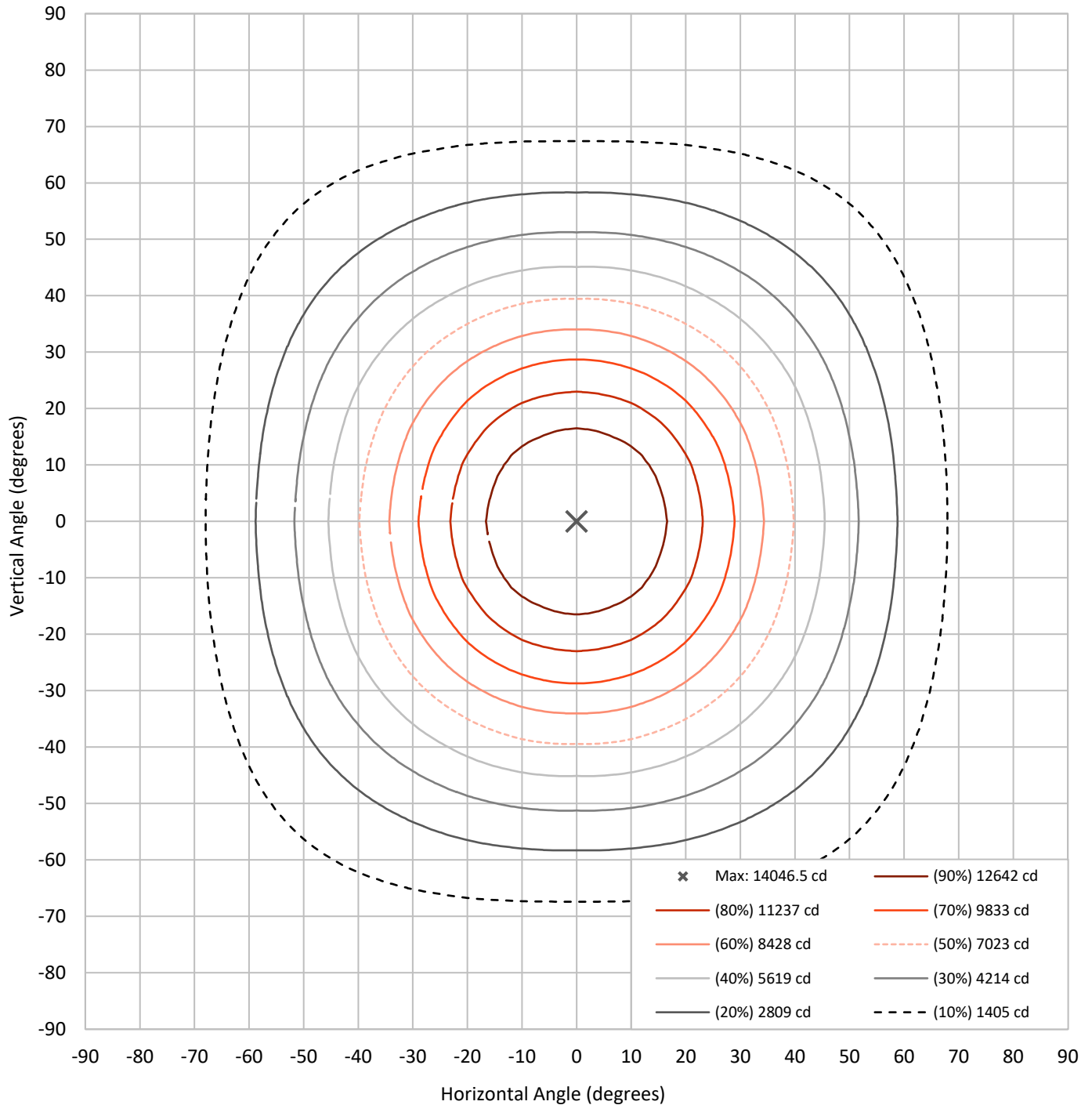
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	25387.9 lumens	Max Intensity:	14046.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	150.9 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')		
Beam Angle (50%):	79.6°H x 78.9°V	Field Angle (10%):	135.9°H x 134.8°V
Beam Lumens:	14890.1 lumens	Field Lumens:	24203 lumens
Beam Efficiency:	58.7%	Field Efficiency:	95.3%
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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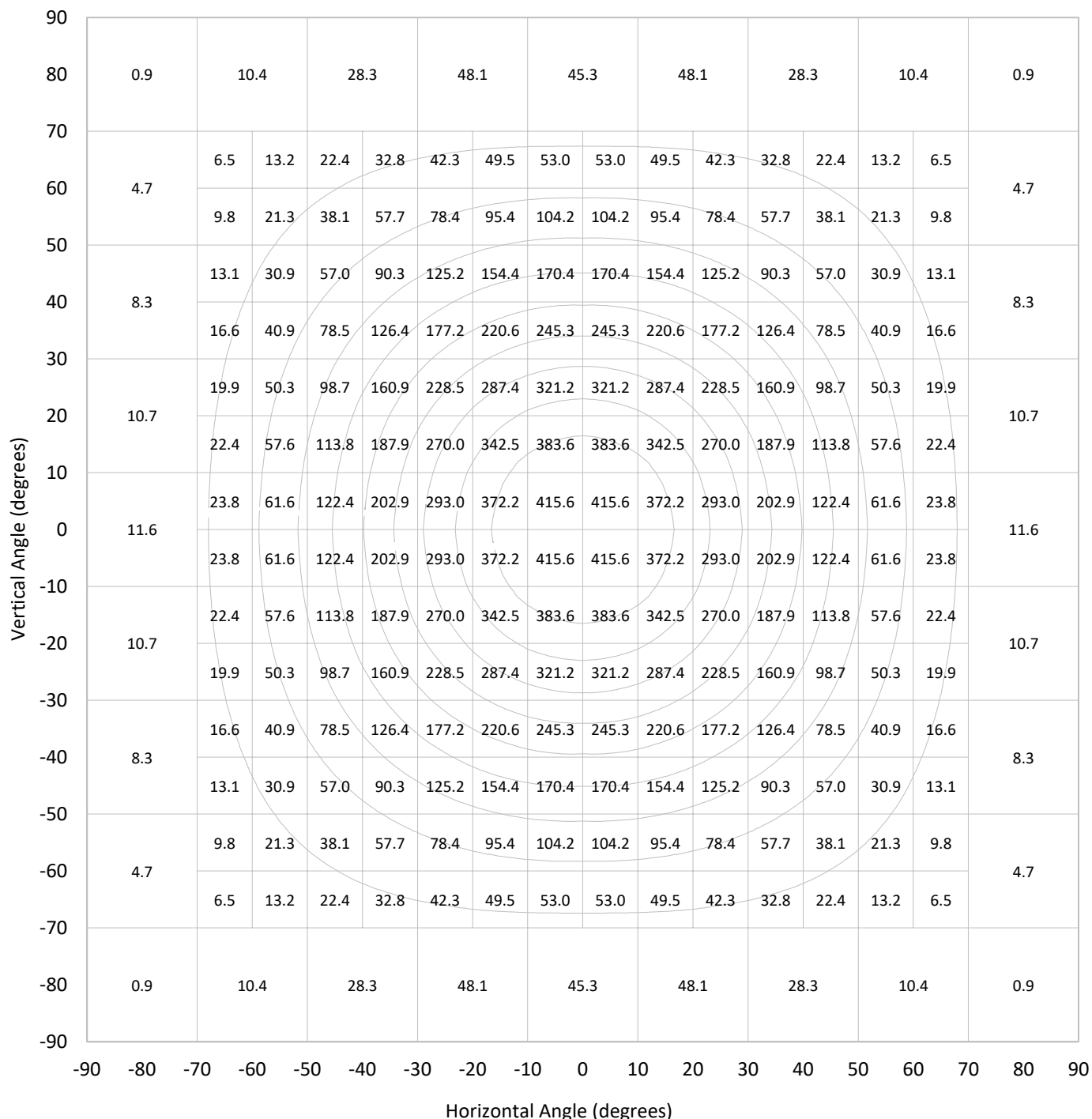
Iso-Candela Plot





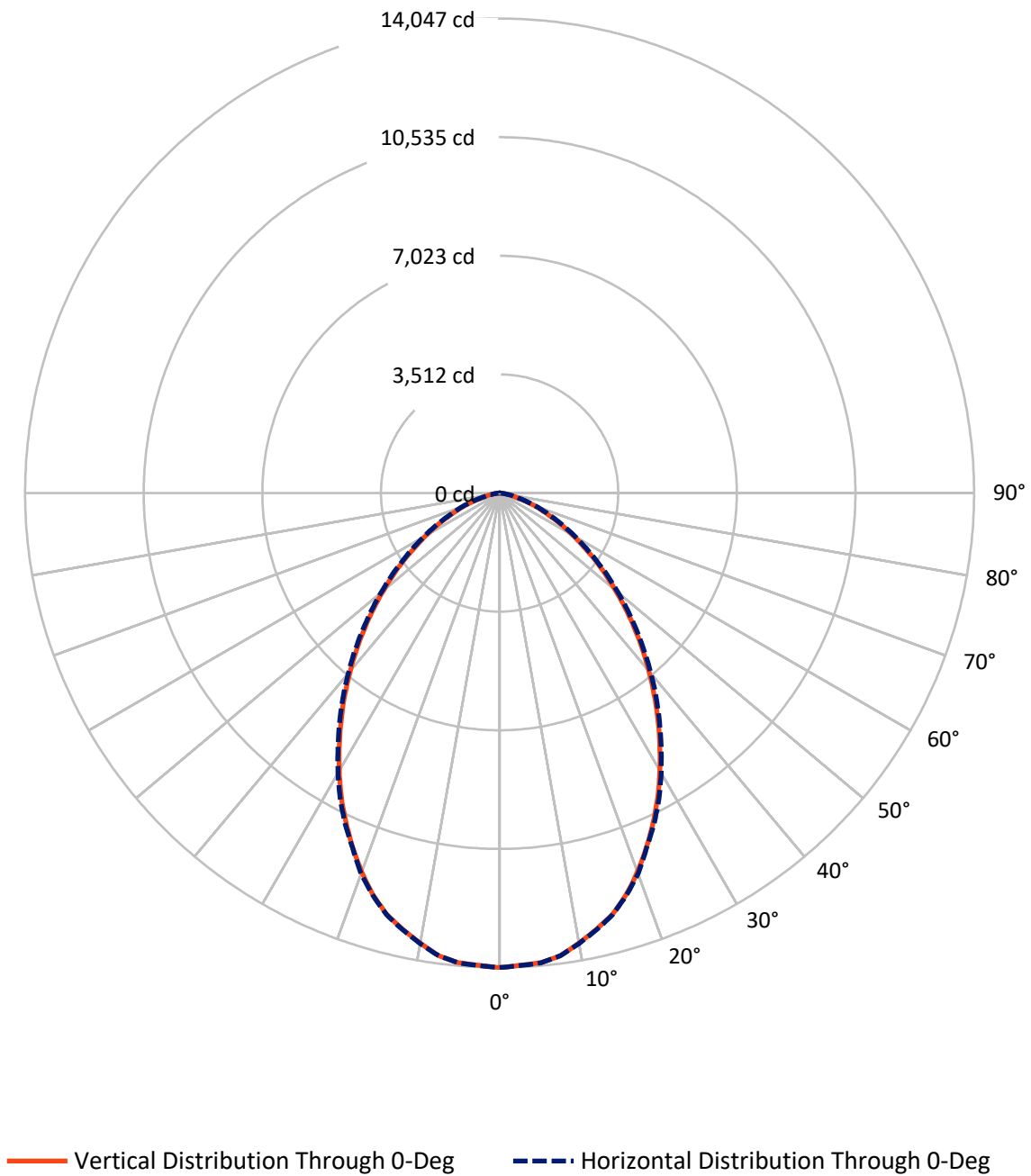
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Lumen Table



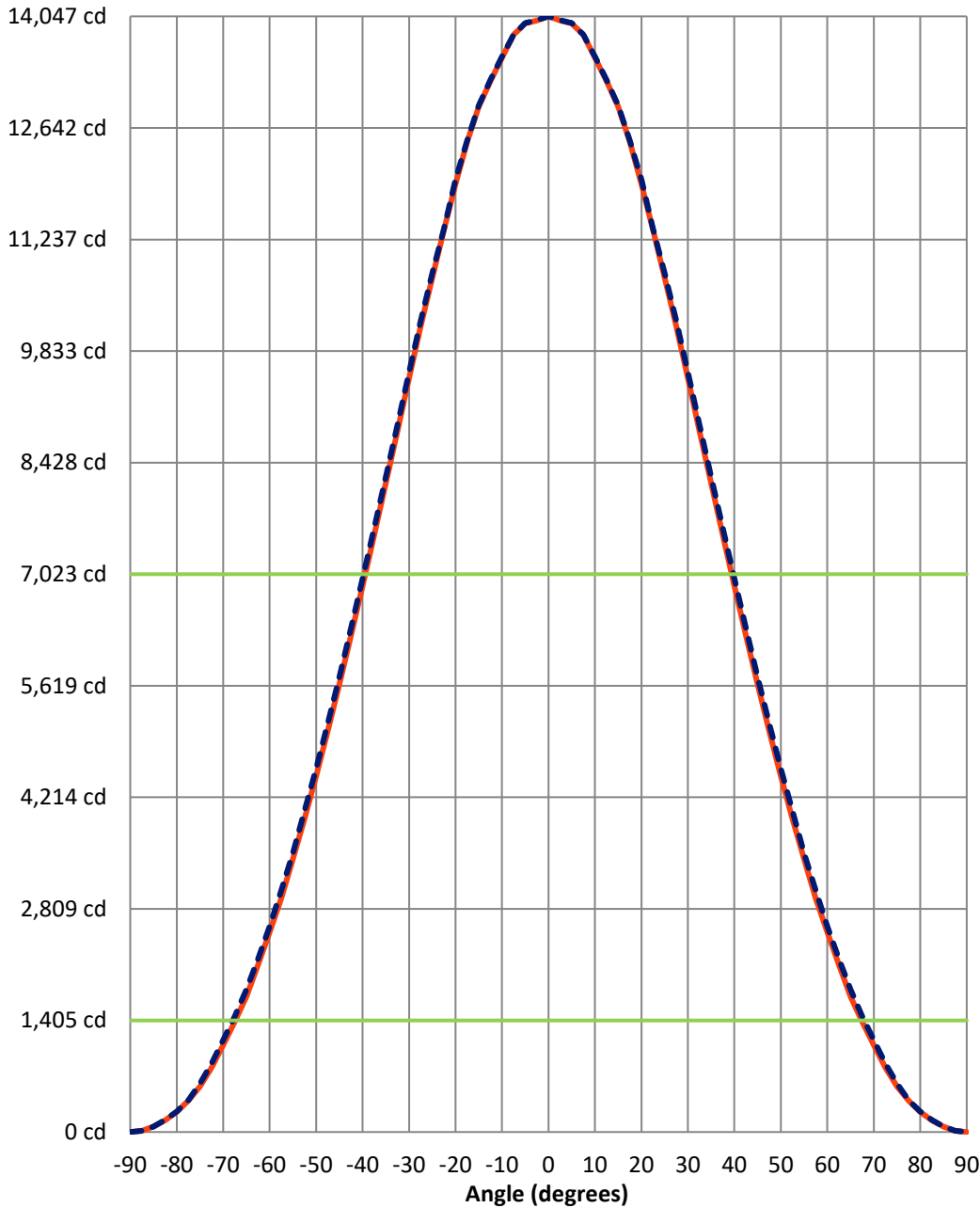
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 79.6°
 V Angle: 78.9°
 Lumens: 14890.1
 Efficiency: 58.7%

Field:
 H Angle: 135.9°
 V Angle: 134.8°
 Lumens: 24203
 Efficiency: 95.3%

Spill:
 Lumens: 1184.9
 Efficiency: 4.7%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through 0-Deg

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FIELD
BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.8	1.8	2.8	3.7	4.6	5.5	6.3	7.2	8.1	8.9
85°	0.0	1.6	3.7	5.5	7.3	9.1	10.9	12.7	14.4	16.1	17.8
82.5°	0.0	2.4	5.5	8.2	11.0	13.7	16.3	19.0	23.8	37.4	50.4
80°	0.0	3.2	7.3	11.0	14.6	18.2	24.6	43.7	62.1	79.8	96.7
77.5°	0.0	4.0	9.1	13.7	18.2	28.5	53.5	77.6	100.3	122.0	149.0
75°	0.0	4.8	10.8	16.3	23.7	49.2	81.7	111.3	139.6	178.6	219.9
72.5°	0.0	5.5	12.5	19.0	37.7	69.4	109.0	147.4	191.9	239.4	289.6
70°	0.0	6.3	14.2	22.7	51.3	88.9	136.4	190.8	243.2	299.0	364.4
67.5°	0.0	7.0	15.8	31.1	64.3	107.5	169.2	233.2	293.3	363.9	438.8
65°	0.0	7.7	17.4	39.2	76.8	128.4	200.5	274.4	347.4	426.8	508.4
62.5°	0.0	8.4	18.9	46.9	88.6	151.2	230.3	317.4	399.8	486.9	570.7
60°	0.0	9.0	20.4	54.2	99.7	172.9	258.4	360.2	450.1	543.2	632.1
57.5°	0.0	9.7	24.5	61.0	114.5	193.2	287.9	400.0	499.8	598.5	690.3
55°	0.0	10.3	28.5	67.4	128.6	212.1	315.9	434.4	548.6	651.9	746.2
52.5°	0.0	10.9	32.3	73.3	141.7	230.0	341.9	470.2	596.4	701.0	800.6
50°	0.0	11.5	36.0	78.7	153.8	249.1	365.6	504.2	641.7	748.7	863.0
47.5°	0.0	12.0	39.5	84.3	164.8	266.4	387.9	535.8	682.7	794.9	924.1
45°	0.0	12.5	42.8	91.6	174.7	282.1	412.6	564.9	714.6	847.2	982.7
42.5°	0.0	13.0	46.0	98.3	183.5	296.1	435.3	591.7	745.2	897.2	1051.5
40°	0.0	13.4	49.0	105.0	192.3	308.3	455.9	617.0	776.9	944.0	1118.7
37.5°	0.0	13.8	51.7	111.7	201.0	318.6	474.3	641.1	812.6	988.5	1181.6
35°	0.0	14.2	54.3	118.0	208.5	330.7	490.6	663.7	847.3	1039.6	1245.0
32.5°	0.0	14.5	56.7	123.7	214.8	342.7	505.7	684.9	881.1	1088.8	1312.2
30°	0.0	14.8	58.9	129.0	219.8	353.0	521.3	706.1	913.6	1135.8	1375.0
27.5°	0.0	15.1	60.8	133.7	227.3	361.5	535.3	730.7	947.1	1180.4	1433.2
25°	0.0	15.3	62.6	138.0	234.4	368.3	547.7	753.6	982.0	1225.9	1487.1
22.5°	0.0	15.5	64.1	141.8	240.6	375.1	558.3	774.6	1014.2	1268.8	1544.4
20°	0.0	15.7	65.5	145.0	246.0	384.4	567.0	793.5	1043.3	1307.3	1595.9
17.5°	0.0	15.8	66.6	147.8	250.5	392.0	577.9	810.0	1069.3	1341.0	1641.2
15°	0.0	15.9	67.5	150.0	254.1	397.9	589.3	825.9	1091.9	1369.9	1680.4
12.5°	0.0	16.0	68.1	151.7	256.9	402.2	598.6	840.8	1112.4	1393.9	1713.1
10°	0.0	16.0	68.6	152.9	258.8	404.9	605.6	852.2	1130.0	1416.4	1740.7
7.5°	0.0	16.0	68.9	153.6	259.9	405.9	610.4	860.2	1143.6	1434.6	1764.5
5°	0.0	16.0	68.9	153.8	260.1	405.5	612.9	864.8	1152.9	1447.7	1781.6
2.5°	0.0	15.9	68.8	153.5	259.4	403.5	613.0	865.8	1157.9	1455.7	1791.9
0°	0.0	15.8	68.4	152.7	258.0	400.1	610.7	863.4	1158.3	1458.4	1795.3
-2.5°	0.0	15.9	68.8	153.5	259.4	403.5	613.0	865.8	1157.9	1455.7	1791.9
-5°	0.0	16.0	68.9	153.8	260.1	405.5	612.9	864.8	1152.9	1447.7	1781.6
-7.5°	0.0	16.0	68.9	153.6	259.9	405.9	610.4	860.2	1143.6	1434.6	1764.5
-10°	0.0	16.0	68.6	152.9	258.8	404.9	605.6	852.2	1130.0	1416.4	1740.7
-12.5°	0.0	16.0	68.1	151.7	256.9	402.2	598.6	840.8	1112.4	1393.9	1713.1
-15°	0.0	15.9	67.5	150.0	254.1	397.9	589.3	825.9	1091.9	1369.9	1680.4
-17.5°	0.0	15.8	66.6	147.8	250.5	392.0	577.9	810.0	1069.3	1341.0	1641.2
-20°	0.0	15.7	65.5	145.0	246.0	384.4	567.0	793.5	1043.3	1307.3	1595.9

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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	15.5	64.1	141.8	240.6	375.1	558.3	774.6	1014.2	1268.8	1544.4
-25°	0.0	15.3	62.6	138.0	234.4	368.3	547.7	753.6	982.0	1225.9	1487.1
-27.5°	0.0	15.1	60.8	133.7	227.3	361.5	535.3	730.7	947.1	1180.4	1433.2
-30°	0.0	14.8	58.9	129.0	219.8	353.0	521.3	706.1	913.6	1135.8	1375.0
-32.5°	0.0	14.5	56.7	123.7	214.8	342.7	505.7	684.9	881.1	1088.8	1312.2
-35°	0.0	14.2	54.3	118.0	208.5	330.7	490.6	663.7	847.3	1039.6	1245.0
-37.5°	0.0	13.8	51.7	111.7	201.0	318.6	474.3	641.1	812.6	988.5	1181.6
-40°	0.0	13.4	49.0	105.0	192.3	308.3	455.9	617.0	776.9	944.0	1118.7
-42.5°	0.0	13.0	46.0	98.3	183.5	296.1	435.3	591.7	745.2	897.2	1051.5
-45°	0.0	12.5	42.8	91.6	174.7	282.1	412.6	564.9	714.6	847.2	982.7
-47.5°	0.0	12.0	39.5	84.3	164.8	266.4	387.9	535.8	682.7	794.9	924.1
-50°	0.0	11.5	36.0	78.7	153.8	249.1	365.6	504.2	641.7	748.7	863.0
-52.5°	0.0	10.9	32.3	73.3	141.7	230.0	341.9	470.2	596.4	701.0	800.6
-55°	0.0	10.3	28.5	67.4	128.6	212.1	315.9	434.4	548.6	651.9	746.2
-57.5°	0.0	9.7	24.5	61.0	114.5	193.2	287.9	400.0	499.8	598.5	690.3
-60°	0.0	9.0	20.4	54.2	99.7	172.9	258.4	360.2	450.1	543.2	632.1
-62.5°	0.0	8.4	18.9	46.9	88.6	151.2	230.3	317.4	399.8	486.9	570.7
-65°	0.0	7.7	17.4	39.2	76.8	128.4	200.5	274.4	347.4	426.8	508.4
-67.5°	0.0	7.0	15.8	31.1	64.3	107.5	169.2	233.2	293.3	363.9	438.8
-70°	0.0	6.3	14.2	22.7	51.3	88.9	136.4	190.8	243.2	299.0	364.4
-72.5°	0.0	5.5	12.5	19.0	37.7	69.4	109.0	147.4	191.9	239.4	289.6
-75°	0.0	4.8	10.8	16.3	23.7	49.2	81.7	111.3	139.6	178.6	219.9
-77.5°	0.0	4.0	9.1	13.7	18.2	28.5	53.5	77.6	100.3	122.0	149.0
-80°	0.0	3.2	7.3	11.0	14.6	18.2	24.6	43.7	62.1	79.8	96.7
-82.5°	0.0	2.4	5.5	8.2	11.0	13.7	16.3	19.0	23.8	37.4	50.4
-85°	0.0	1.6	3.7	5.5	7.3	9.1	10.9	12.7	14.4	16.1	17.8
-87.5°	0.0	0.8	1.8	2.8	3.7	4.6	5.5	6.3	7.2	8.1	8.9
-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: P627411 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4C-740-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	10.3	11.8	13.4	15.1	15.2	15.2	15.1	14.9	15.6	16.2	16.7
85°	20.6	23.6	32.8	41.6	45.9	48.6	49.8	49.6	57.7	67.0	77.2
82.5°	64.1	77.2	89.8	101.8	104.9	105.0	104.0	104.3	123.3	145.0	167.2
80°	114.1	130.8	153.0	172.7	181.3	185.7	187.7	187.4	211.3	243.3	276.8
77.5°	180.9	209.1	233.7	254.6	265.8	275.7	283.8	290.0	320.8	361.2	401.2
75°	257.2	288.1	318.9	345.7	364.4	378.3	391.2	412.0	452.4	499.4	540.4
72.5°	337.6	377.1	411.4	440.4	466.7	494.6	525.9	560.1	602.7	649.7	692.5
70°	423.5	466.9	502.8	537.8	573.6	615.4	662.3	708.4	755.9	807.8	857.7
67.5°	507.5	549.4	591.6	635.8	689.4	745.4	800.8	864.4	929.5	987.1	1038.6
65°	580.5	629.6	682.4	742.4	808.6	879.7	953.7	1030.0	1112.5	1181.7	1244.8
62.5°	650.2	709.2	773.4	848.1	932.6	1016.9	1111.2	1206.7	1299.6	1381.1	1456.5
60°	714.4	785.9	867.1	958.8	1057.4	1169.3	1276.7	1385.3	1487.2	1579.5	1674.8
57.5°	776.9	866.9	964.4	1074.3	1199.0	1324.7	1451.0	1567.9	1683.2	1795.7	1903.4
55°	843.0	951.5	1067.4	1202.4	1342.9	1491.6	1627.6	1758.0	1885.1	2021.6	2151.4
52.5°	915.8	1036.9	1182.1	1333.1	1495.4	1655.1	1804.5	1953.1	2106.7	2261.1	2430.1
50°	986.0	1137.1	1296.1	1471.7	1647.1	1818.2	1989.5	2160.6	2344.6	2534.1	2725.5
47.5°	1068.1	1232.9	1420.8	1609.2	1800.8	1991.1	2182.0	2388.8	2597.9	2817.7	3029.4
45°	1151.1	1336.4	1538.9	1751.9	1959.1	2169.8	2393.0	2621.6	2866.8	3108.5	3363.2
42.5°	1229.8	1439.3	1662.5	1892.5	2122.9	2358.4	2603.9	2870.9	3138.9	3417.6	3697.5
40°	1317.0	1537.1	1783.2	2036.5	2286.6	2547.6	2828.2	3117.4	3420.6	3727.1	4031.0
37.5°	1400.8	1642.8	1901.4	2174.1	2454.8	2741.6	3046.3	3374.6	3703.3	4033.1	4368.4
35°	1479.3	1743.0	2023.1	2312.6	2610.2	2936.5	3277.1	3627.5	3983.7	4340.4	4701.1
32.5°	1560.0	1837.4	2139.4	2449.2	2777.2	3127.1	3500.2	3879.8	4259.2	4640.2	5034.9
30°	1641.0	1936.5	2252.0	2578.4	2937.2	3318.4	3719.4	4121.5	4522.9	4942.0	5362.7
27.5°	1717.4	2030.5	2362.6	2711.9	3090.5	3495.6	3921.4	4352.2	4784.9	5230.6	5679.2
25°	1787.9	2119.5	2465.3	2840.4	3241.6	3666.0	4109.6	4559.1	5033.7	5510.6	5979.1
22.5°	1856.5	2201.2	2560.4	2958.8	3378.6	3824.2	4286.2	4760.9	5256.8	5768.9	6253.8
20°	1922.5	2279.1	2653.0	3066.0	3501.3	3966.7	4446.7	4943.8	5464.1	5989.9	6511.4
17.5°	1981.2	2348.3	2739.2	3166.3	3618.4	4097.0	4591.3	5104.7	5648.2	6193.3	6745.8
15°	2032.3	2408.6	2813.8	3253.9	3721.9	4215.4	4725.5	5253.6	5811.0	6378.6	6953.0
12.5°	2075.5	2459.6	2876.7	3328.2	3809.7	4317.0	4840.9	5387.5	5960.0	6543.4	7134.5
10°	2110.6	2501.2	2927.5	3389.0	3881.4	4401.0	4935.9	5497.9	6087.5	6683.6	7287.2
7.5°	2140.4	2535.8	2967.8	3435.9	3936.7	4466.7	5009.8	5584.0	6189.1	6793.0	7409.8
5°	2162.2	2563.9	3004.9	3475.2	3984.8	4518.0	5065.9	5645.3	6263.3	6870.9	7498.7
2.5°	2175.2	2582.1	3030.1	3500.7	4022.5	4556.5	5115.6	5699.5	6317.8	6932.7	7565.6
0°	2179.6	2590.3	3043.1	3511.6	4043.4	4575.1	5143.7	5728.1	6344.1	6970.6	7607.7
-2.5°	2175.2	2582.1	3030.1	3500.7	4022.5	4556.5	5115.6	5699.5	6317.8	6932.7	7565.6
-5°	2162.2	2563.9	3004.9	3475.2	3984.8	4518.0	5065.9	5645.3	6263.3	6870.9	7498.7
-7.5°	2140.4	2535.8	2967.8	3435.9	3936.7	4466.7	5009.8	5584.0	6189.1	6793.0	7409.8
-10°	2110.6	2501.2	2927.5	3389.0	3881.4	4401.0	4935.9	5497.9	6087.5	6683.6	7287.2
-12.5°	2075.5	2459.6	2876.7	3328.2	3809.7	4317.0	4840.9	5387.5	5960.0	6543.4	7134.5
-15°	2032.3	2408.6	2813.8	3253.9	3721.9	4215.4	4725.5	5253.6	5811.0	6378.6	6953.0
-17.5°	1981.2	2348.3	2739.2	3166.3	3618.4	4097.0	4591.3	5104.7	5648.2	6193.3	6745.8
-20°	1922.5	2279.1	2653.0	3066.0	3501.3	3966.7	4446.7	4943.8	5464.1	5989.9	6511.4

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Scaled Data Report



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CATALOG NUMBER: GFLD-SA4C-740-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1856.5	2201.2	2560.4	2958.8	3378.6	3824.2	4286.2	4760.9	5256.8	5768.9	6253.8
-25°	1787.9	2119.5	2465.3	2840.4	3241.6	3666.0	4109.6	4559.1	5033.7	5510.6	5979.1
-27.5°	1717.4	2030.5	2362.6	2711.9	3090.5	3495.6	3921.4	4352.2	4784.9	5230.6	5679.2
-30°	1641.0	1936.5	2252.0	2578.4	2937.2	3318.4	3719.4	4121.5	4522.9	4942.0	5362.7
-32.5°	1560.0	1837.4	2139.4	2449.2	2777.2	3127.1	3500.2	3879.8	4259.2	4640.2	5034.9
-35°	1479.3	1743.0	2023.1	2312.6	2610.2	2936.5	3277.1	3627.5	3983.7	4340.4	4701.1
-37.5°	1400.8	1642.8	1901.4	2174.1	2454.8	2741.6	3046.3	3374.6	3703.3	4033.1	4368.4
-40°	1317.0	1537.1	1783.2	2036.5	2286.6	2547.6	2828.2	3117.4	3420.6	3727.1	4031.0
-42.5°	1229.8	1439.3	1662.5	1892.5	2122.9	2358.4	2603.9	2870.9	3138.9	3417.6	3697.5
-45°	1151.1	1336.4	1538.9	1751.9	1959.1	2169.8	2393.0	2621.6	2866.8	3108.5	3363.2
-47.5°	1068.1	1232.9	1420.8	1609.2	1800.8	1991.1	2182.0	2388.8	2597.9	2817.7	3029.4
-50°	986.0	1137.1	1296.1	1471.7	1647.1	1818.2	1989.5	2160.6	2344.6	2534.1	2725.5
-52.5°	915.8	1036.9	1182.1	1333.1	1495.4	1655.1	1804.5	1953.1	2106.7	2261.1	2430.1
-55°	843.0	951.5	1067.4	1202.4	1342.9	1491.6	1627.6	1758.0	1885.1	2021.6	2151.4
-57.5°	776.9	866.9	964.4	1074.3	1199.0	1324.7	1451.0	1567.9	1683.2	1795.7	1903.4
-60°	714.4	785.9	867.1	958.8	1057.4	1169.3	1276.7	1385.3	1487.2	1579.5	1674.8
-62.5°	650.2	709.2	773.4	848.1	932.6	1016.9	1111.2	1206.7	1299.6	1381.1	1456.5
-65°	580.5	629.6	682.4	742.4	808.6	879.7	953.7	1030.0	1112.5	1181.7	1244.8
-67.5°	507.5	549.4	591.6	635.8	689.4	745.4	800.8	864.4	929.5	987.1	1038.6
-70°	423.5	466.9	502.8	537.8	573.6	615.4	662.3	708.4	755.9	807.8	857.7
-72.5°	337.6	377.1	411.4	440.4	466.7	494.6	525.9	560.1	602.7	649.7	692.5
-75°	257.2	288.1	318.9	345.7	364.4	378.3	391.2	412.0	452.4	499.4	540.4
-77.5°	180.9	209.1	233.7	254.6	265.8	275.7	283.8	290.0	320.8	361.2	401.2
-80°	114.1	130.8	153.0	172.7	181.3	185.7	187.7	187.4	211.3	243.3	276.8
-82.5°	64.1	77.2	89.8	101.8	104.9	105.0	104.0	104.3	123.3	145.0	167.2
-85°	20.6	23.6	32.8	41.6	45.9	48.6	49.8	49.6	57.7	67.0	77.2
-87.5°	10.3	11.8	13.4	15.1	15.2	15.2	15.1	14.9	15.6	16.2	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



REPORT NUMBER: P627411 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4C-740-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	17.3	17.8	18.3	18.7	19.1	19.5	19.8	20.1	20.4	19.3	18.2
85°	88.0	94.2	100.0	105.5	110.8	115.8	120.5	124.9	129.0	117.8	105.4
82.5°	189.9	205.2	219.6	234.1	248.3	252.0	253.1	252.6	250.6	230.9	209.2
80°	310.0	335.8	360.1	384.3	408.1	410.8	408.0	403.1	396.2	370.4	341.2
77.5°	441.1	473.6	502.0	528.1	551.8	556.2	555.6	554.4	552.5	526.2	494.4
75°	575.5	607.2	637.9	663.9	685.7	695.7	700.6	704.1	706.0	687.1	662.4
72.5°	731.2	764.3	791.4	816.7	838.1	853.6	864.7	873.1	878.9	873.1	863.0
70°	900.3	935.8	965.7	994.2	1023.3	1046.6	1064.1	1076.9	1085.0	1090.3	1094.0
67.5°	1090.7	1138.3	1179.9	1215.3	1250.4	1283.4	1310.4	1332.6	1349.6	1364.1	1375.3
65°	1305.2	1366.1	1420.0	1469.6	1515.0	1562.7	1601.9	1634.8	1661.3	1683.1	1700.7
62.5°	1530.6	1605.2	1674.5	1741.7	1807.6	1872.5	1922.3	1967.6	2007.9	2042.6	2070.2
60°	1765.0	1849.7	1942.7	2031.5	2113.1	2187.8	2261.8	2326.0	2380.9	2426.5	2463.3
57.5°	2016.9	2126.6	2235.3	2345.5	2449.6	2547.1	2638.3	2718.8	2786.8	2842.6	2889.5
55°	2288.9	2426.2	2552.2	2691.3	2825.6	2948.0	3055.6	3150.3	3232.1	3300.7	3358.9
52.5°	2588.0	2754.9	2918.6	3076.8	3229.4	3371.2	3500.2	3610.4	3708.4	3792.4	3859.5
50°	2915.4	3106.3	3296.1	3472.0	3647.3	3810.8	3958.5	4086.4	4200.5	4299.3	4377.0
47.5°	3257.8	3475.0	3686.9	3888.4	4082.3	4264.0	4424.0	4569.8	4712.0	4828.1	4919.8
45°	3613.2	3856.9	4090.7	4321.0	4534.6	4738.3	4935.7	5117.2	5263.2	5391.0	5498.3
42.5°	3973.0	4244.9	4506.7	4757.9	4992.7	5228.3	5450.4	5648.9	5815.3	5960.6	6082.5
40°	4337.5	4635.1	4923.6	5197.5	5466.0	5722.8	5963.0	6172.3	6360.0	6532.6	6676.3
37.5°	4700.1	5027.6	5347.1	5654.0	5949.6	6227.9	6487.4	6723.9	6935.7	7132.3	7291.9
35°	5064.4	5423.6	5773.4	6111.2	6434.1	6741.1	7025.2	7294.3	7544.0	7743.0	7906.4
32.5°	5427.2	5813.4	6194.2	6566.0	6919.4	7250.4	7558.3	7855.6	8112.4	8331.2	8519.0
30°	5778.3	6196.7	6611.3	7014.5	7396.2	7754.9	8095.8	8410.2	8686.3	8925.7	9136.3
27.5°	6122.8	6572.3	7017.2	7447.9	7860.6	8250.4	8622.4	8963.4	9264.7	9524.9	9747.0
25°	6448.4	6931.6	7405.8	7862.4	8303.3	8733.2	9134.9	9507.0	9828.9	10114.5	10342.7
22.5°	6759.6	7274.8	7773.0	8253.4	8725.0	9188.4	9628.2	10016.7	10357.9	10656.4	10909.0
20°	7049.4	7601.5	8111.3	8619.3	9116.0	9610.9	10083.0	10493.0	10854.0	11171.8	11450.1
17.5°	7320.3	7886.6	8423.4	8964.2	9487.8	10006.9	10486.6	10926.0	11315.5	11653.0	11944.5
15°	7549.7	8121.6	8707.8	9285.3	9837.4	10363.0	10842.3	11301.2	11733.7	12098.7	12394.3
12.5°	7735.4	8330.2	8941.7	9554.8	10138.7	10663.6	11165.4	11630.9	12085.1	12495.1	12766.9
10°	7893.7	8506.1	9137.4	9762.7	10354.4	10909.8	11455.3	11947.6	12393.9	12761.0	13064.5
7.5°	8030.6	8661.4	9302.6	9928.8	10518.6	11092.5	11654.0	12176.8	12627.4	12973.3	13243.9
5°	8131.5	8777.3	9430.9	10062.9	10660.9	11236.6	11800.7	12317.0	12756.8	13108.7	13404.0
2.5°	8203.7	8855.6	9513.9	10146.7	10758.0	11335.1	11913.4	12435.4	12861.3	13183.8	13466.5
0°	8250.0	8902.8	9566.2	10213.7	10813.9	11372.0	11993.3	12482.9	12925.1	13246.3	13541.1
-2.5°	8203.7	8855.6	9513.9	10146.7	10758.0	11335.1	11913.4	12435.4	12861.3	13183.8	13466.5
-5°	8131.5	8777.3	9430.9	10062.9	10660.9	11236.6	11800.7	12317.0	12756.8	13108.7	13404.0
-7.5°	8030.6	8661.4	9302.6	9928.8	10518.6	11092.5	11654.0	12176.8	12627.4	12973.3	13243.9
-10°	7893.7	8506.1	9137.4	9762.7	10354.4	10909.8	11455.3	11947.6	12393.9	12761.0	13064.5
-12.5°	7735.4	8330.2	8941.7	9554.8	10138.7	10663.6	11165.4	11630.9	12085.1	12495.1	12766.9
-15°	7549.7	8121.6	8707.8	9285.3	9837.4	10363.0	10842.3	11301.2	11733.7	12098.7	12394.3
-17.5°	7320.3	7886.6	8423.4	8964.2	9487.8	10006.9	10486.6	10926.0	11315.5	11653.0	11944.5
-20°	7049.4	7601.5	8111.3	8619.3	9116.0	9610.9	10083.0	10493.0	10854.0	11171.8	11450.1



REPORT NUMBER: P627411 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-740-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	6759.6	7274.8	7773.0	8253.4	8725.0	9188.4	9628.2	10016.7	10357.9	10656.4	10909.0
-25°	6448.4	6931.6	7405.8	7862.4	8303.3	8733.2	9134.9	9507.0	9828.9	10114.5	10342.7
-27.5°	6122.8	6572.3	7017.2	7447.9	7860.6	8250.4	8622.4	8963.4	9264.7	9524.9	9747.0
-30°	5778.3	6196.7	6611.3	7014.5	7396.2	7754.9	8095.8	8410.2	8686.3	8925.7	9136.3
-32.5°	5427.2	5813.4	6194.2	6566.0	6919.4	7250.4	7558.3	7855.6	8112.4	8331.2	8519.0
-35°	5064.4	5423.6	5773.4	6111.2	6434.1	6741.1	7025.2	7294.3	7544.0	7743.0	7906.4
-37.5°	4700.1	5027.6	5347.1	5654.0	5949.6	6227.9	6487.4	6723.9	6935.7	7132.3	7291.9
-40°	4337.5	4635.1	4923.6	5197.5	5466.0	5722.8	5963.0	6172.3	6360.0	6532.6	6676.3
-42.5°	3973.0	4244.9	4506.7	4757.9	4992.7	5228.3	5450.4	5648.9	5815.3	5960.6	6082.5
-45°	3613.2	3856.9	4090.7	4321.0	4534.6	4738.3	4935.7	5117.2	5263.2	5391.0	5498.3
-47.5°	3257.8	3475.0	3686.9	3888.4	4082.3	4264.0	4424.0	4569.8	4712.0	4828.1	4919.8
-50°	2915.4	3106.3	3296.1	3472.0	3647.3	3810.8	3958.5	4086.4	4200.5	4299.3	4377.0
-52.5°	2588.0	2754.9	2918.6	3076.8	3229.4	3371.2	3500.2	3610.4	3708.4	3792.4	3859.5
-55°	2288.9	2426.2	2552.2	2691.3	2825.6	2948.0	3055.6	3150.3	3232.1	3300.7	3358.9
-57.5°	2016.9	2126.6	2235.3	2345.5	2449.6	2547.1	2638.3	2718.8	2786.8	2842.6	2889.5
-60°	1765.0	1849.7	1942.7	2031.5	2113.1	2187.8	2261.8	2326.0	2380.9	2426.5	2463.3
-62.5°	1530.6	1605.2	1674.5	1741.7	1807.6	1872.5	1922.3	1967.6	2007.9	2042.6	2070.2
-65°	1305.2	1366.1	1420.0	1469.6	1515.0	1562.7	1601.9	1634.8	1661.3	1683.1	1700.7
-67.5°	1090.7	1138.3	1179.9	1215.3	1250.4	1283.4	1310.4	1332.6	1349.6	1364.1	1375.3
-70°	900.3	935.8	965.7	994.2	1023.3	1046.6	1064.1	1076.9	1085.0	1090.3	1094.0
-72.5°	731.2	764.3	791.4	816.7	838.1	853.6	864.7	873.1	878.9	873.1	863.0
-75°	575.5	607.2	637.9	663.9	685.7	695.7	700.6	704.1	706.0	687.1	662.4
-77.5°	441.1	473.6	502.0	528.1	551.8	556.2	555.6	554.4	552.5	526.2	494.4
-80°	310.0	335.8	360.1	384.3	408.1	410.8	408.0	403.1	396.2	370.4	341.2
-82.5°	189.9	205.2	219.6	234.1	248.3	252.0	253.1	252.6	250.6	230.9	209.2
-85°	88.0	94.2	100.0	105.5	110.8	115.8	120.5	124.9	129.0	117.8	105.4
-87.5°	17.3	17.8	18.3	18.7	19.1	19.5	19.8	20.1	20.4	19.3	18.2
-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: P627411 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4C-740-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	17.0	15.7	15.8	15.8	15.8	15.7	17.0	18.2	19.3	20.4	20.1
85°	92.3	78.6	73.6	68.4	73.6	78.6	92.3	105.4	117.8	129.0	124.9
82.5°	186.4	162.7	155.1	147.4	155.1	162.7	186.4	209.2	230.9	250.6	252.6
80°	310.5	278.3	265.6	252.7	265.6	278.3	310.5	341.2	370.4	396.2	403.1
77.5°	460.8	425.5	410.4	394.9	410.4	425.5	460.8	494.4	526.2	552.5	554.4
75°	636.3	608.6	591.9	573.9	591.9	608.6	636.3	662.4	687.1	706.0	704.1
72.5°	851.5	838.0	825.8	810.8	825.8	838.0	851.5	863.0	873.1	878.9	873.1
70°	1095.2	1093.5	1095.7	1095.1	1095.7	1093.5	1095.2	1094.0	1090.3	1085.0	1076.9
67.5°	1381.0	1381.4	1387.3	1389.9	1387.3	1381.4	1381.0	1375.3	1364.1	1349.6	1332.6
65°	1711.6	1715.6	1714.1	1705.8	1714.1	1715.6	1711.6	1700.7	1683.1	1661.3	1634.8
62.5°	2089.8	2101.2	2107.4	2105.9	2107.4	2101.2	2089.8	2070.2	2042.6	2007.9	1967.6
60°	2490.7	2508.5	2517.5	2516.6	2517.5	2508.5	2490.7	2463.3	2426.5	2380.9	2326.0
57.5°	2924.4	2947.3	2952.6	2943.0	2952.6	2947.3	2924.4	2889.5	2842.6	2786.8	2718.8
55°	3402.8	3432.0	3443.3	3437.9	3443.3	3432.0	3402.8	3358.9	3300.7	3232.1	3150.3
52.5°	3908.6	3940.2	3951.4	3943.3	3951.4	3940.2	3908.6	3859.5	3792.4	3708.4	3610.4
50°	4434.0	4472.3	4487.7	4480.4	4487.7	4472.3	4434.0	4377.0	4299.3	4200.5	4086.4
47.5°	4991.7	5042.6	5062.4	5049.0	5062.4	5042.6	4991.7	4919.8	4828.1	4712.0	4569.8
45°	5578.5	5631.3	5651.8	5638.6	5651.8	5631.3	5578.5	5498.3	5391.0	5263.2	5117.2
42.5°	6175.8	6244.5	6273.5	6249.3	6273.5	6244.5	6175.8	6082.5	5960.6	5815.3	5648.9
40°	6783.7	6858.2	6892.5	6875.8	6892.5	6858.2	6783.7	6676.3	6532.6	6360.0	6172.3
37.5°	7407.1	7481.3	7517.7	7518.2	7517.7	7481.3	7407.1	7291.9	7132.3	6935.7	6723.9
35°	8032.9	8122.6	8173.4	8171.0	8173.4	8122.6	8032.9	7906.4	7743.0	7544.0	7294.3
32.5°	8667.4	8764.6	8816.5	8823.8	8816.5	8764.6	8667.4	8519.0	8331.2	8112.4	7855.6
30°	9300.9	9407.8	9467.9	9492.5	9467.9	9407.8	9300.9	9136.3	8925.7	8686.3	8410.2
27.5°	9915.2	10046.7	10137.4	10145.3	10137.4	10046.7	9915.2	9747.0	9524.9	9264.7	8963.4
25°	10510.2	10644.0	10737.1	10756.0	10737.1	10644.0	10510.2	10342.7	10114.5	9828.9	9507.0
22.5°	11096.6	11236.5	11322.3	11356.2	11322.3	11236.5	11096.6	10909.0	10656.4	10357.9	10016.7
20°	11656.4	11808.0	11899.1	11935.3	11899.1	11808.0	11656.4	11450.1	11171.8	10854.0	10493.0
17.5°	12162.8	12323.0	12435.5	12467.1	12435.5	12323.0	12162.8	11944.5	11653.0	11315.5	10926.0
15°	12608.5	12760.4	12867.2	12909.3	12867.2	12760.4	12608.5	12394.3	12098.7	11733.7	11301.2
12.5°	12971.2	13107.1	13190.8	13230.5	13190.8	13107.1	12971.2	12766.9	12495.1	12085.1	11630.9
10°	13254.6	13391.0	13470.9	13525.3	13470.9	13391.0	13254.6	13064.5	12761.0	12393.9	11947.6
7.5°	13500.6	13640.3	13738.1	13814.9	13738.1	13640.3	13500.6	13243.9	12973.3	12627.4	12176.8
5°	13636.4	13869.7	13904.8	13957.0	13904.8	13869.7	13636.4	13404.0	13108.7	12756.8	12317.0
2.5°	13740.0	13905.4	14004.9	13993.9	14004.9	13905.4	13740.0	13466.5	13183.8	12861.3	12435.4
0°	13814.9	13962.3	13999.1	14046.5	13999.1	13962.3	13814.9	13541.1	13246.3	12925.1	12482.9
-2.5°	13740.0	13905.4	14004.9	13993.9	14004.9	13905.4	13740.0	13466.5	13183.8	12861.3	12435.4
-5°	13636.4	13869.7	13904.8	13957.0	13904.8	13869.7	13636.4	13404.0	13108.7	12756.8	12317.0
-7.5°	13500.6	13640.3	13738.1	13814.9	13738.1	13640.3	13500.6	13243.9	12973.3	12627.4	12176.8
-10°	13254.6	13391.0	13470.9	13525.3	13470.9	13391.0	13254.6	13064.5	12761.0	12393.9	11947.6
-12.5°	12971.2	13107.1	13190.8	13230.5	13190.8	13107.1	12971.2	12766.9	12495.1	12085.1	11630.9
-15°	12608.5	12760.4	12867.2	12909.3	12867.2	12760.4	12608.5	12394.3	12098.7	11733.7	11301.2
-17.5°	12162.8	12323.0	12435.5	12467.1	12435.5	12323.0	12162.8	11944.5	11653.0	11315.5	10926.0
-20°	11656.4	11808.0	11899.1	11935.3	11899.1	11808.0	11656.4	11450.1	11171.8	10854.0	10493.0



REPORT NUMBER: P627411 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4C-740-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	11096.6	11236.5	11322.3	11356.2	11322.3	11236.5	11096.6	10909.0	10656.4	10357.9	10016.7
-25°	10510.2	10644.0	10737.1	10756.0	10737.1	10644.0	10510.2	10342.7	10114.5	9828.9	9507.0
-27.5°	9915.2	10046.7	10137.4	10145.3	10137.4	10046.7	9915.2	9747.0	9524.9	9264.7	8963.4
-30°	9300.9	9407.8	9467.9	9492.5	9467.9	9407.8	9300.9	9136.3	8925.7	8686.3	8410.2
-32.5°	8667.4	8764.6	8816.5	8823.8	8816.5	8764.6	8667.4	8519.0	8331.2	8112.4	7855.6
-35°	8032.9	8122.6	8173.4	8171.0	8173.4	8122.6	8032.9	7906.4	7743.0	7544.0	7294.3
-37.5°	7407.1	7481.3	7517.7	7518.2	7517.7	7481.3	7407.1	7291.9	7132.3	6935.7	6723.9
-40°	6783.7	6858.2	6892.5	6875.8	6892.5	6858.2	6783.7	6676.3	6532.6	6360.0	6172.3
-42.5°	6175.8	6244.5	6273.5	6249.3	6273.5	6244.5	6175.8	6082.5	5960.6	5815.3	5648.9
-45°	5578.5	5631.3	5651.8	5638.6	5651.8	5631.3	5578.5	5498.3	5391.0	5263.2	5117.2
-47.5°	4991.7	5042.6	5062.4	5049.0	5062.4	5042.6	4991.7	4919.8	4828.1	4712.0	4569.8
-50°	4434.0	4472.3	4487.7	4480.4	4487.7	4472.3	4434.0	4377.0	4299.3	4200.5	4086.4
-52.5°	3908.6	3940.2	3951.4	3943.3	3951.4	3940.2	3908.6	3859.5	3792.4	3708.4	3610.4
-55°	3402.8	3432.0	3443.3	3437.9	3443.3	3432.0	3402.8	3358.9	3300.7	3232.1	3150.3
-57.5°	2924.4	2947.3	2952.6	2943.0	2952.6	2947.3	2924.4	2889.5	2842.6	2786.8	2718.8
-60°	2490.7	2508.5	2517.5	2516.6	2517.5	2508.5	2490.7	2463.3	2426.5	2380.9	2326.0
-62.5°	2089.8	2101.2	2107.4	2105.9	2107.4	2101.2	2089.8	2070.2	2042.6	2007.9	1967.6
-65°	1711.6	1715.6	1714.1	1705.8	1714.1	1715.6	1711.6	1700.7	1683.1	1661.3	1634.8
-67.5°	1381.0	1381.4	1387.3	1389.9	1387.3	1381.4	1381.0	1375.3	1364.1	1349.6	1332.6
-70°	1095.2	1093.5	1095.7	1095.1	1095.7	1093.5	1095.2	1094.0	1090.3	1085.0	1076.9
-72.5°	851.5	838.0	825.8	810.8	825.8	838.0	851.5	863.0	873.1	878.9	873.1
-75°	636.3	608.6	591.9	573.9	591.9	608.6	636.3	662.4	687.1	706.0	704.1
-77.5°	460.8	425.5	410.4	394.9	410.4	425.5	460.8	494.4	526.2	552.5	554.4
-80°	310.5	278.3	265.6	252.7	265.6	278.3	310.5	341.2	370.4	396.2	403.1
-82.5°	186.4	162.7	155.1	147.4	155.1	162.7	186.4	209.2	230.9	250.6	252.6
-85°	92.3	78.6	73.6	68.4	73.6	78.6	92.3	105.4	117.8	129.0	124.9
-87.5°	17.0	15.7	15.8	15.8	15.8	15.7	17.0	18.2	19.3	20.4	20.1
-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: P627411 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-740-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	19.8	19.5	19.1	18.7	18.3	17.8	17.3	16.7	16.2	15.6	14.9
85°	120.5	115.8	110.8	105.5	100.0	94.2	88.0	77.2	67.0	57.7	49.6
82.5°	253.1	252.0	248.3	234.1	219.6	205.2	189.9	167.2	145.0	123.3	104.3
80°	408.0	410.8	408.1	384.3	360.1	335.8	310.0	276.8	243.3	211.3	187.4
77.5°	555.6	556.2	551.8	528.1	502.0	473.6	441.1	401.2	361.2	320.8	290.0
75°	700.6	695.7	685.7	663.9	637.9	607.2	575.5	540.4	499.4	452.4	412.0
72.5°	864.7	853.6	838.1	816.7	791.4	764.3	731.2	692.5	649.7	602.7	560.1
70°	1064.1	1046.6	1023.3	994.2	965.7	935.8	900.3	857.7	807.8	755.9	708.4
67.5°	1310.4	1283.4	1250.4	1215.3	1179.9	1138.3	1090.7	1038.6	987.1	929.5	864.4
65°	1601.9	1562.7	1515.0	1469.6	1420.0	1366.1	1305.2	1244.8	1181.7	1112.5	1030.0
62.5°	1922.3	1872.5	1807.6	1741.7	1674.5	1605.2	1530.6	1456.5	1381.1	1299.6	1206.7
60°	2261.8	2187.8	2113.1	2031.5	1942.7	1849.7	1765.0	1674.8	1579.5	1487.2	1385.3
57.5°	2638.3	2547.1	2449.6	2345.5	2235.3	2126.6	2016.9	1903.4	1795.7	1683.2	1567.9
55°	3055.6	2948.0	2825.6	2691.3	2552.2	2426.2	2288.9	2151.4	2021.6	1885.1	1758.0
52.5°	3500.2	3371.2	3229.4	3076.8	2918.6	2754.9	2588.0	2430.1	2261.1	2106.7	1953.1
50°	3958.5	3810.8	3647.3	3472.0	3296.1	3106.3	2915.4	2725.5	2534.1	2344.6	2160.6
47.5°	4424.0	4264.0	4082.3	3888.4	3686.9	3475.0	3257.8	3029.4	2817.7	2597.9	2388.8
45°	4935.7	4738.3	4534.6	4321.0	4090.7	3856.9	3613.2	3363.2	3108.5	2866.8	2621.6
42.5°	5450.4	5228.3	4992.7	4757.9	4506.7	4244.9	3973.0	3697.5	3417.6	3138.9	2870.9
40°	5963.0	5722.8	5466.0	5197.5	4923.6	4635.1	4337.5	4031.0	3727.1	3420.6	3117.4
37.5°	6487.4	6227.9	5949.6	5654.0	5347.1	5027.6	4700.1	4368.4	4033.1	3703.3	3374.6
35°	7025.2	6741.1	6434.1	6111.2	5773.4	5423.6	5064.4	4701.1	4340.4	3983.7	3627.5
32.5°	7558.3	7250.4	6919.4	6566.0	6194.2	5813.4	5427.2	5034.9	4640.2	4259.2	3879.8
30°	8095.8	7754.9	7396.2	7014.5	6611.3	6196.7	5778.3	5362.7	4942.0	4522.9	4121.5
27.5°	8622.4	8250.4	7860.6	7447.9	7017.2	6572.3	6122.8	5679.2	5230.6	4784.9	4352.2
25°	9134.9	8733.2	8303.3	7862.4	7405.8	6931.6	6448.4	5979.1	5510.6	5033.7	4559.1
22.5°	9628.2	9188.4	8725.0	8253.4	7773.0	7274.8	6759.6	6253.8	5768.9	5256.8	4760.9
20°	10083.0	9610.9	9116.0	8619.3	8111.3	7601.5	7049.4	6511.4	5989.9	5464.1	4943.8
17.5°	10486.6	10006.9	9487.8	8964.2	8423.4	7886.6	7320.3	6745.8	6193.3	5648.2	5104.7
15°	10842.3	10363.0	9837.4	9285.3	8707.8	8121.6	7549.7	6953.0	6378.6	5811.0	5253.6
12.5°	11165.4	10663.6	10138.7	9554.8	8941.7	8330.2	7735.4	7134.5	6543.4	5960.0	5387.5
10°	11455.3	10909.8	10354.4	9762.7	9137.4	8506.1	7893.7	7287.2	6683.6	6087.5	5497.9
7.5°	11654.0	11092.5	10518.6	9928.8	9302.6	8661.4	8030.6	7409.8	6793.0	6189.1	5584.0
5°	11800.7	11236.6	10660.9	10062.9	9430.9	8777.3	8131.5	7498.7	6870.9	6263.3	5645.3
2.5°	11913.4	11335.1	10758.0	10146.7	9513.9	8855.6	8203.7	7565.6	6932.7	6317.8	5699.5
0°	11993.3	11372.0	10813.9	10213.7	9566.2	8902.8	8250.0	7607.7	6970.6	6344.1	5728.1
-2.5°	11913.4	11335.1	10758.0	10146.7	9513.9	8855.6	8203.7	7565.6	6932.7	6317.8	5699.5
-5°	11800.7	11236.6	10660.9	10062.9	9430.9	8777.3	8131.5	7498.7	6870.9	6263.3	5645.3
-7.5°	11654.0	11092.5	10518.6	9928.8	9302.6	8661.4	8030.6	7409.8	6793.0	6189.1	5584.0
-10°	11455.3	10909.8	10354.4	9762.7	9137.4	8506.1	7893.7	7287.2	6683.6	6087.5	5497.9
-12.5°	11165.4	10663.6	10138.7	9554.8	8941.7	8330.2	7735.4	7134.5	6543.4	5960.0	5387.5
-15°	10842.3	10363.0	9837.4	9285.3	8707.8	8121.6	7549.7	6953.0	6378.6	5811.0	5253.6
-17.5°	10486.6	10006.9	9487.8	8964.2	8423.4	7886.6	7320.3	6745.8	6193.3	5648.2	5104.7
-20°	10083.0	9610.9	9116.0	8619.3	8111.3	7601.5	7049.4	6511.4	5989.9	5464.1	4943.8



REPORT NUMBER: P627411 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-740-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	9628.2	9188.4	8725.0	8253.4	7773.0	7274.8	6759.6	6253.8	5768.9	5256.8	4760.9
-25°	9134.9	8733.2	8303.3	7862.4	7405.8	6931.6	6448.4	5979.1	5510.6	5033.7	4559.1
-27.5°	8622.4	8250.4	7860.6	7447.9	7017.2	6572.3	6122.8	5679.2	5230.6	4784.9	4352.2
-30°	8095.8	7754.9	7396.2	7014.5	6611.3	6196.7	5778.3	5362.7	4942.0	4522.9	4121.5
-32.5°	7558.3	7250.4	6919.4	6566.0	6194.2	5813.4	5427.2	5034.9	4640.2	4259.2	3879.8
-35°	7025.2	6741.1	6434.1	6111.2	5773.4	5423.6	5064.4	4701.1	4340.4	3983.7	3627.5
-37.5°	6487.4	6227.9	5949.6	5654.0	5347.1	5027.6	4700.1	4368.4	4033.1	3703.3	3374.6
-40°	5963.0	5722.8	5466.0	5197.5	4923.6	4635.1	4337.5	4031.0	3727.1	3420.6	3117.4
-42.5°	5450.4	5228.3	4992.7	4757.9	4506.7	4244.9	3973.0	3697.5	3417.6	3138.9	2870.9
-45°	4935.7	4738.3	4534.6	4321.0	4090.7	3856.9	3613.2	3363.2	3108.5	2866.8	2621.6
-47.5°	4424.0	4264.0	4082.3	3888.4	3686.9	3475.0	3257.8	3029.4	2817.7	2597.9	2388.8
-50°	3958.5	3810.8	3647.3	3472.0	3296.1	3106.3	2915.4	2725.5	2534.1	2344.6	2160.6
-52.5°	3500.2	3371.2	3229.4	3076.8	2918.6	2754.9	2588.0	2430.1	2261.1	2106.7	1953.1
-55°	3055.6	2948.0	2825.6	2691.3	2552.2	2426.2	2288.9	2151.4	2021.6	1885.1	1758.0
-57.5°	2638.3	2547.1	2449.6	2345.5	2235.3	2126.6	2016.9	1903.4	1795.7	1683.2	1567.9
-60°	2261.8	2187.8	2113.1	2031.5	1942.7	1849.7	1765.0	1674.8	1579.5	1487.2	1385.3
-62.5°	1922.3	1872.5	1807.6	1741.7	1674.5	1605.2	1530.6	1456.5	1381.1	1299.6	1206.7
-65°	1601.9	1562.7	1515.0	1469.6	1420.0	1366.1	1305.2	1244.8	1181.7	1112.5	1030.0
-67.5°	1310.4	1283.4	1250.4	1215.3	1179.9	1138.3	1090.7	1038.6	987.1	929.5	864.4
-70°	1064.1	1046.6	1023.3	994.2	965.7	935.8	900.3	857.7	807.8	755.9	708.4
-72.5°	864.7	853.6	838.1	816.7	791.4	764.3	731.2	692.5	649.7	602.7	560.1
-75°	700.6	695.7	685.7	663.9	637.9	607.2	575.5	540.4	499.4	452.4	412.0
-77.5°	555.6	556.2	551.8	528.1	502.0	473.6	441.1	401.2	361.2	320.8	290.0
-80°	408.0	410.8	408.1	384.3	360.1	335.8	310.0	276.8	243.3	211.3	187.4
-82.5°	253.1	252.0	248.3	234.1	219.6	205.2	189.9	167.2	145.0	123.3	104.3
-85°	120.5	115.8	110.8	105.5	100.0	94.2	88.0	77.2	67.0	57.7	49.6
-87.5°	19.8	19.5	19.1	18.7	18.3	17.8	17.3	16.7	16.2	15.6	14.9
-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: P627411 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4C-740-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	15.1	15.2	15.2	15.1	13.4	11.8	10.3	8.9	8.1	7.2	6.3
85°	49.8	48.6	45.9	41.6	32.8	23.6	20.6	17.8	16.1	14.4	12.7
82.5°	104.0	105.0	104.9	101.8	89.8	77.2	64.1	50.4	37.4	23.8	19.0
80°	187.7	185.7	181.3	172.7	153.0	130.8	114.1	96.7	79.8	62.1	43.7
77.5°	283.8	275.7	265.8	254.6	233.7	209.1	180.9	149.0	122.0	100.3	77.6
75°	391.2	378.3	364.4	345.7	318.9	288.1	257.2	219.9	178.6	139.6	111.3
72.5°	525.9	494.6	466.7	440.4	411.4	377.1	337.6	289.6	239.4	191.9	147.4
70°	662.3	615.4	573.6	537.8	502.8	466.9	423.5	364.4	299.0	243.2	190.8
67.5°	800.8	745.4	689.4	635.8	591.6	549.4	507.5	438.8	363.9	293.3	233.2
65°	953.7	879.7	808.6	742.4	682.4	629.6	580.5	508.4	426.8	347.4	274.4
62.5°	1111.2	1016.9	932.6	848.1	773.4	709.2	650.2	570.7	486.9	399.8	317.4
60°	1276.7	1169.3	1057.4	958.8	867.1	785.9	714.4	632.1	543.2	450.1	360.2
57.5°	1451.0	1324.7	1199.0	1074.3	964.4	866.9	776.9	690.3	598.5	499.8	400.0
55°	1627.6	1491.6	1342.9	1202.4	1067.4	951.5	843.0	746.2	651.9	548.6	434.4
52.5°	1804.5	1655.1	1495.4	1333.1	1182.1	1036.9	915.8	800.6	701.0	596.4	470.2
50°	1989.5	1818.2	1647.1	1471.7	1296.1	1137.1	986.0	863.0	748.7	641.7	504.2
47.5°	2182.0	1991.1	1800.8	1609.2	1420.8	1232.9	1068.1	924.1	794.9	682.7	535.8
45°	2393.0	2169.8	1959.1	1751.9	1538.9	1336.4	1151.1	982.7	847.2	714.6	564.9
42.5°	2603.9	2358.4	2122.9	1892.5	1662.5	1439.3	1229.8	1051.5	897.2	745.2	591.7
40°	2828.2	2547.6	2286.6	2036.5	1783.2	1537.1	1317.0	1118.7	944.0	776.9	617.0
37.5°	3046.3	2741.6	2454.8	2174.1	1901.4	1642.8	1400.8	1181.6	988.5	812.6	641.1
35°	3277.1	2936.5	2610.2	2312.6	2023.1	1743.0	1479.3	1245.0	1039.6	847.3	663.7
32.5°	3500.2	3127.1	2777.2	2449.2	2139.4	1837.4	1560.0	1312.2	1088.8	881.1	684.9
30°	3719.4	3318.4	2937.2	2578.4	2252.0	1936.5	1641.0	1375.0	1135.8	913.6	706.1
27.5°	3921.4	3495.6	3090.5	2711.9	2362.6	2030.5	1717.4	1433.2	1180.4	947.1	730.7
25°	4109.6	3666.0	3241.6	2840.4	2465.3	2119.5	1787.9	1487.1	1225.9	982.0	753.6
22.5°	4286.2	3824.2	3378.6	2958.8	2560.4	2201.2	1856.5	1544.4	1268.8	1014.2	774.6
20°	4446.7	3966.7	3501.3	3066.0	2653.0	2279.1	1922.5	1595.9	1307.3	1043.3	793.5
17.5°	4591.3	4097.0	3618.4	3166.3	2739.2	2348.3	1981.2	1641.2	1341.0	1069.3	810.0
15°	4725.5	4215.4	3721.9	3253.9	2813.8	2408.6	2032.3	1680.4	1369.9	1091.9	825.9
12.5°	4840.9	4317.0	3809.7	3328.2	2876.7	2459.6	2075.5	1713.1	1393.9	1112.4	840.8
10°	4935.9	4401.0	3881.4	3389.0	2927.5	2501.2	2110.6	1740.7	1416.4	1130.0	852.2
7.5°	5009.8	4466.7	3936.7	3435.9	2967.8	2535.8	2140.4	1764.5	1434.6	1143.6	860.2
5°	5065.9	4518.0	3984.8	3475.2	3004.9	2563.9	2162.2	1781.6	1447.7	1152.9	864.8
2.5°	5115.6	4556.5	4022.5	3500.7	3030.1	2582.1	2175.2	1791.9	1455.7	1157.9	865.8
0°	5143.7	4575.1	4043.4	3511.6	3043.1	2590.3	2179.6	1795.3	1458.4	1158.3	863.4
-2.5°	5115.6	4556.5	4022.5	3500.7	3030.1	2582.1	2175.2	1791.9	1455.7	1157.9	865.8
-5°	5065.9	4518.0	3984.8	3475.2	3004.9	2563.9	2162.2	1781.6	1447.7	1152.9	864.8
-7.5°	5009.8	4466.7	3936.7	3435.9	2967.8	2535.8	2140.4	1764.5	1434.6	1143.6	860.2
-10°	4935.9	4401.0	3881.4	3389.0	2927.5	2501.2	2110.6	1740.7	1416.4	1130.0	852.2
-12.5°	4840.9	4317.0	3809.7	3328.2	2876.7	2459.6	2075.5	1713.1	1393.9	1112.4	840.8
-15°	4725.5	4215.4	3721.9	3253.9	2813.8	2408.6	2032.3	1680.4	1369.9	1091.9	825.9
-17.5°	4591.3	4097.0	3618.4	3166.3	2739.2	2348.3	1981.2	1641.2	1341.0	1069.3	810.0
-20°	4446.7	3966.7	3501.3	3066.0	2653.0	2279.1	1922.5	1595.9	1307.3	1043.3	793.5



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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°	4286.2	3824.2	3378.6	2958.8	2560.4	2201.2	1856.5	1544.4	1268.8	1014.2	774.6
-25°	4109.6	3666.0	3241.6	2840.4	2465.3	2119.5	1787.9	1487.1	1225.9	982.0	753.6
-27.5°	3921.4	3495.6	3090.5	2711.9	2362.6	2030.5	1717.4	1433.2	1180.4	947.1	730.7
-30°	3719.4	3318.4	2937.2	2578.4	2252.0	1936.5	1641.0	1375.0	1135.8	913.6	706.1
-32.5°	3500.2	3127.1	2777.2	2449.2	2139.4	1837.4	1560.0	1312.2	1088.8	881.1	684.9
-35°	3277.1	2936.5	2610.2	2312.6	2023.1	1743.0	1479.3	1245.0	1039.6	847.3	663.7
-37.5°	3046.3	2741.6	2454.8	2174.1	1901.4	1642.8	1400.8	1181.6	988.5	812.6	641.1
-40°	2828.2	2547.6	2286.6	2036.5	1783.2	1537.1	1317.0	1118.7	944.0	776.9	617.0
-42.5°	2603.9	2358.4	2122.9	1892.5	1662.5	1439.3	1229.8	1051.5	897.2	745.2	591.7
-45°	2393.0	2169.8	1959.1	1751.9	1538.9	1336.4	1151.1	982.7	847.2	714.6	564.9
-47.5°	2182.0	1991.1	1800.8	1609.2	1420.8	1232.9	1068.1	924.1	794.9	682.7	535.8
-50°	1989.5	1818.2	1647.1	1471.7	1296.1	1137.1	986.0	863.0	748.7	641.7	504.2
-52.5°	1804.5	1655.1	1495.4	1333.1	1182.1	1036.9	915.8	800.6	701.0	596.4	470.2
-55°	1627.6	1491.6	1342.9	1202.4	1067.4	951.5	843.0	746.2	651.9	548.6	434.4
-57.5°	1451.0	1324.7	1199.0	1074.3	964.4	866.9	776.9	690.3	598.5	499.8	400.0
-60°	1276.7	1169.3	1057.4	958.8	867.1	785.9	714.4	632.1	543.2	450.1	360.2
-62.5°	1111.2	1016.9	932.6	848.1	773.4	709.2	650.2	570.7	486.9	399.8	317.4
-65°	953.7	879.7	808.6	742.4	682.4	629.6	580.5	508.4	426.8	347.4	274.4
-67.5°	800.8	745.4	689.4	635.8	591.6	549.4	507.5	438.8	363.9	293.3	233.2
-70°	662.3	615.4	573.6	537.8	502.8	466.9	423.5	364.4	299.0	243.2	190.8
-72.5°	525.9	494.6	466.7	440.4	411.4	377.1	337.6	289.6	239.4	191.9	147.4
-75°	391.2	378.3	364.4	345.7	318.9	288.1	257.2	219.9	178.6	139.6	111.3
-77.5°	283.8	275.7	265.8	254.6	233.7	209.1	180.9	149.0	122.0	100.3	77.6
-80°	187.7	185.7	181.3	172.7	153.0	130.8	114.1	96.7	79.8	62.1	43.7
-82.5°	104.0	105.0	104.9	101.8	89.8	77.2	64.1	50.4	37.4	23.8	19.0
-85°	49.8	48.6	45.9	41.6	32.8	23.6	20.6	17.8	16.1	14.4	12.7
-87.5°	15.1	15.2	15.2	15.1	13.4	11.8	10.3	8.9	8.1	7.2	6.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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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°	5.5	4.6	3.7	2.8	1.8	0.8	0.0
85°	10.9	9.1	7.3	5.5	3.7	1.6	0.0
82.5°	16.3	13.7	11.0	8.2	5.5	2.4	0.0
80°	24.6	18.2	14.6	11.0	7.3	3.2	0.0
77.5°	53.5	28.5	18.2	13.7	9.1	4.0	0.0
75°	81.7	49.2	23.7	16.3	10.8	4.8	0.0
72.5°	109.0	69.4	37.7	19.0	12.5	5.5	0.0
70°	136.4	88.9	51.3	22.7	14.2	6.3	0.0
67.5°	169.2	107.5	64.3	31.1	15.8	7.0	0.0
65°	200.5	128.4	76.8	39.2	17.4	7.7	0.0
62.5°	230.3	151.2	88.6	46.9	18.9	8.4	0.0
60°	258.4	172.9	99.7	54.2	20.4	9.0	0.0
57.5°	287.9	193.2	114.5	61.0	24.5	9.7	0.0
55°	315.9	212.1	128.6	67.4	28.5	10.3	0.0
52.5°	341.9	230.0	141.7	73.3	32.3	10.9	0.0
50°	365.6	249.1	153.8	78.7	36.0	11.5	0.0
47.5°	387.9	266.4	164.8	84.3	39.5	12.0	0.0
45°	412.6	282.1	174.7	91.6	42.8	12.5	0.0
42.5°	435.3	296.1	183.5	98.3	46.0	13.0	0.0
40°	455.9	308.3	192.3	105.0	49.0	13.4	0.0
37.5°	474.3	318.6	201.0	111.7	51.7	13.8	0.0
35°	490.6	330.7	208.5	118.0	54.3	14.2	0.0
32.5°	505.7	342.7	214.8	123.7	56.7	14.5	0.0
30°	521.3	353.0	219.8	129.0	58.9	14.8	0.0
27.5°	535.3	361.5	227.3	133.7	60.8	15.1	0.0
25°	547.7	368.3	234.4	138.0	62.6	15.3	0.0
22.5°	558.3	375.1	240.6	141.8	64.1	15.5	0.0
20°	567.0	384.4	246.0	145.0	65.5	15.7	0.0
17.5°	577.9	392.0	250.5	147.8	66.6	15.8	0.0
15°	589.3	397.9	254.1	150.0	67.5	15.9	0.0
12.5°	598.6	402.2	256.9	151.7	68.1	16.0	0.0
10°	605.6	404.9	258.8	152.9	68.6	16.0	0.0
7.5°	610.4	405.9	259.9	153.6	68.9	16.0	0.0
5°	612.9	405.5	260.1	153.8	68.9	16.0	0.0
2.5°	613.0	403.5	259.4	153.5	68.8	15.9	0.0
0°	610.7	400.1	258.0	152.7	68.4	15.8	0.0
-2.5°	613.0	403.5	259.4	153.5	68.8	15.9	0.0
-5°	612.9	405.5	260.1	153.8	68.9	16.0	0.0
-7.5°	610.4	405.9	259.9	153.6	68.9	16.0	0.0
-10°	605.6	404.9	258.8	152.9	68.6	16.0	0.0
-12.5°	598.6	402.2	256.9	151.7	68.1	16.0	0.0
-15°	589.3	397.9	254.1	150.0	67.5	15.9	0.0
-17.5°	577.9	392.0	250.5	147.8	66.6	15.8	0.0
-20°	567.0	384.4	246.0	145.0	65.5	15.7	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	558.3	375.1	240.6	141.8	64.1	15.5	0.0
-25°	547.7	368.3	234.4	138.0	62.6	15.3	0.0
-27.5°	535.3	361.5	227.3	133.7	60.8	15.1	0.0
-30°	521.3	353.0	219.8	129.0	58.9	14.8	0.0
-32.5°	505.7	342.7	214.8	123.7	56.7	14.5	0.0
-35°	490.6	330.7	208.5	118.0	54.3	14.2	0.0
-37.5°	474.3	318.6	201.0	111.7	51.7	13.8	0.0
-40°	455.9	308.3	192.3	105.0	49.0	13.4	0.0
-42.5°	435.3	296.1	183.5	98.3	46.0	13.0	0.0
-45°	412.6	282.1	174.7	91.6	42.8	12.5	0.0
-47.5°	387.9	266.4	164.8	84.3	39.5	12.0	0.0
-50°	365.6	249.1	153.8	78.7	36.0	11.5	0.0
-52.5°	341.9	230.0	141.7	73.3	32.3	10.9	0.0
-55°	315.9	212.1	128.6	67.4	28.5	10.3	0.0
-57.5°	287.9	193.2	114.5	61.0	24.5	9.7	0.0
-60°	258.4	172.9	99.7	54.2	20.4	9.0	0.0
-62.5°	230.3	151.2	88.6	46.9	18.9	8.4	0.0
-65°	200.5	128.4	76.8	39.2	17.4	7.7	0.0
-67.5°	169.2	107.5	64.3	31.1	15.8	7.0	0.0
-70°	136.4	88.9	51.3	22.7	14.2	6.3	0.0
-72.5°	109.0	69.4	37.7	19.0	12.5	5.5	0.0
-75°	81.7	49.2	23.7	16.3	10.8	4.8	0.0
-77.5°	53.5	28.5	18.2	13.7	9.1	4.0	0.0
-80°	24.6	18.2	14.6	11.0	7.3	3.2	0.0
-82.5°	16.3	13.7	11.0	8.2	5.5	2.4	0.0
-85°	10.9	9.1	7.3	5.5	3.7	1.6	0.0
-87.5°	5.5	4.6	3.7	2.8	1.8	0.8	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)