

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: P627551 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5B-722-U-VWR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
 Report Number: P627551 (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-SA5B-722-U-VWR-XX
 Description: GALLEON FLOOD, FIVE LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N109
 Light Source: (80) 2200K CCT, 70 CRI LEDS
 Ballast/Driver: -

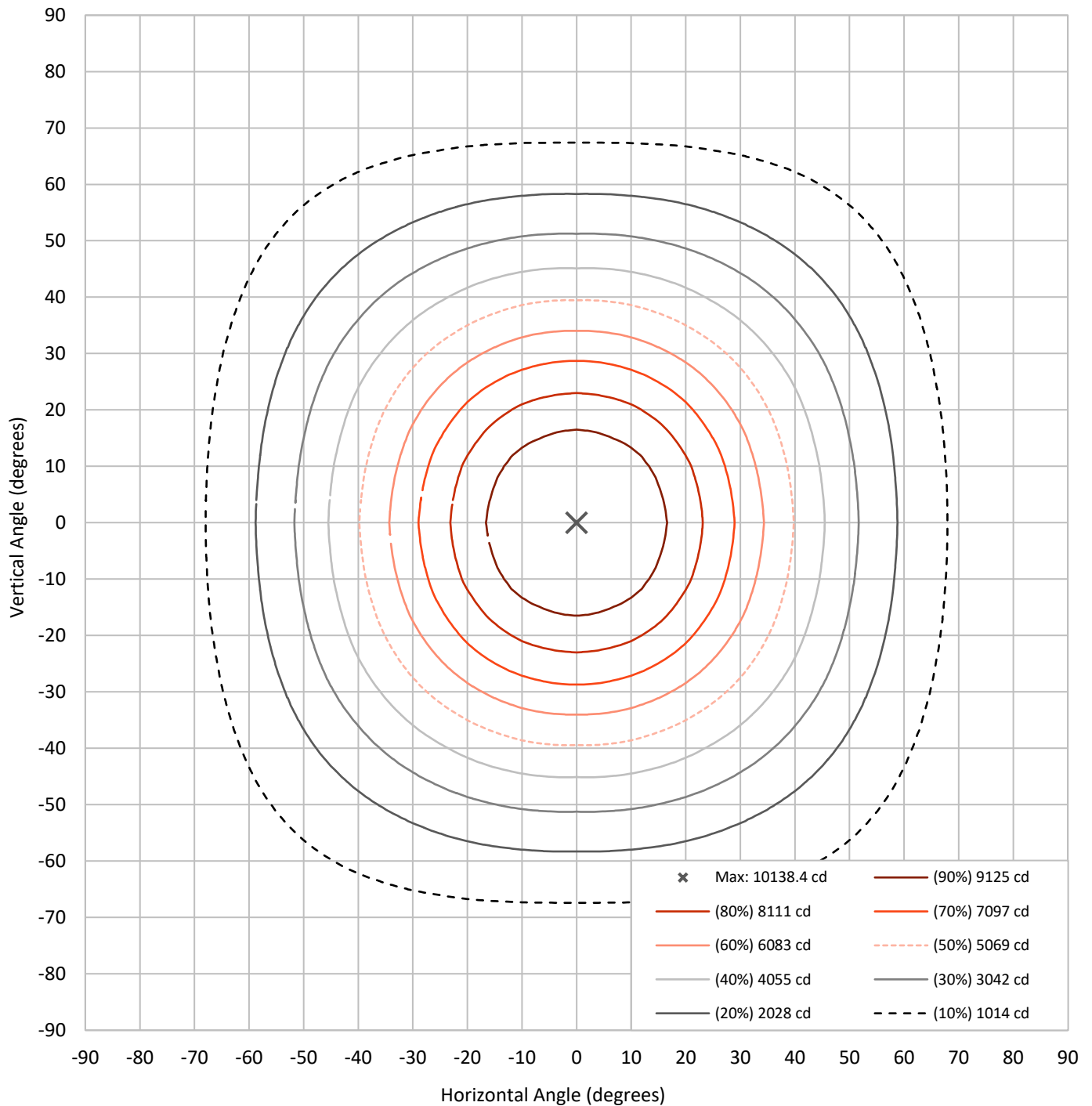
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	18324.3 lumens	Max Intensity:	10138.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	115.5 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' 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:	10747.3 lumens	Field Lumens:	17469.1 lumens
Beam Efficiency:	58.7%	Field Efficiency:	95.3%
Input Watts (W):	158.7		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		



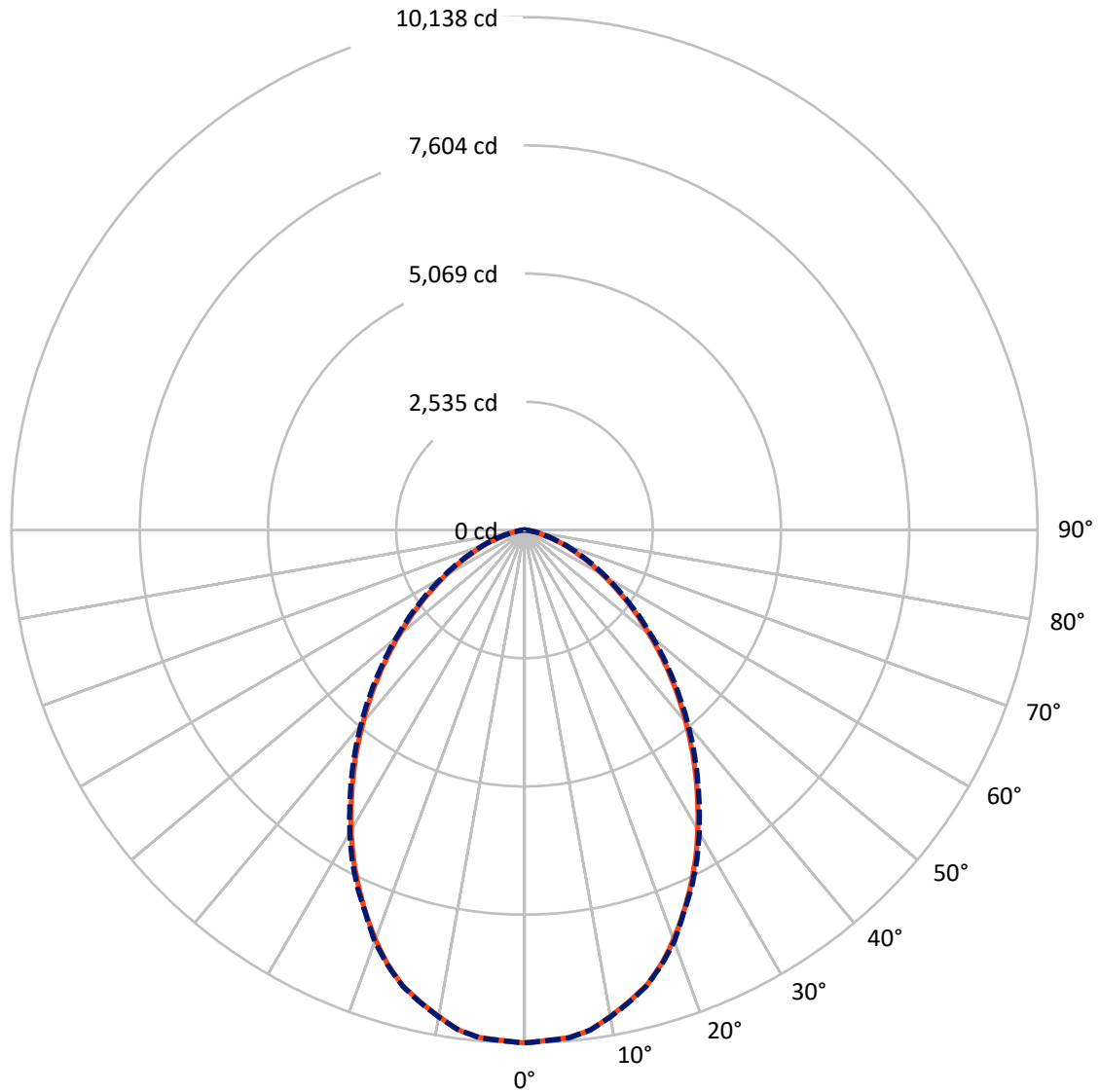
REPORT NUMBER: P627551 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA5B-722-U-VWR-XX

Iso-Candela Plot



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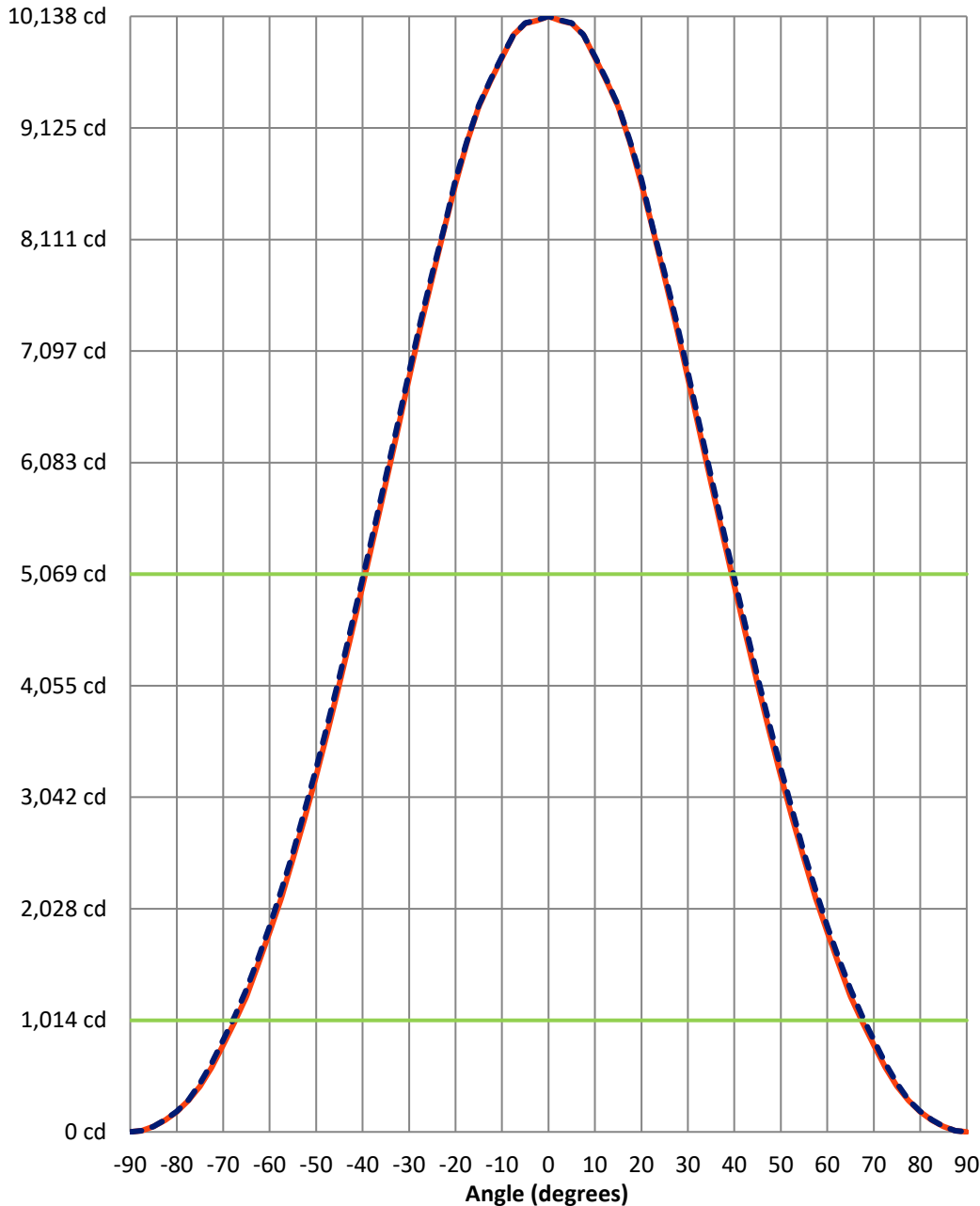
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 79.6°
 V Angle: 78.9°
 Lumens: 10747.3
 Efficiency: 58.7%

Field:
 H Angle: 135.9°
 V Angle: 134.8°
 Lumens: 17469.1
 Efficiency: 95.3%

Spill:
 Lumens: 855.2
 Efficiency: 4.7%

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



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FIELD
BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.6	1.3	2.0	2.6	3.3	3.9	4.6	5.2	5.8	6.4
85°	0.0	1.2	2.6	4.0	5.3	6.6	7.9	9.1	10.4	11.6	12.8
82.5°	0.0	1.7	4.0	5.9	7.9	9.8	11.8	13.7	17.1	26.9	36.4
80°	0.0	2.3	5.3	7.9	10.5	13.1	17.7	31.5	44.8	57.6	69.8
77.5°	0.0	2.9	6.5	9.8	13.1	20.5	38.6	56.0	72.4	88.1	107.6
75°	0.0	3.4	7.8	11.8	17.1	35.5	58.9	80.3	100.7	128.9	158.7
72.5°	0.0	4.0	9.0	13.7	27.2	50.1	78.7	106.4	138.5	172.8	209.0
70°	0.0	4.5	10.2	16.4	37.0	64.1	98.4	137.7	175.5	215.8	263.0
67.5°	0.0	5.0	11.4	22.4	46.4	77.6	122.1	168.3	211.7	262.6	316.7
65°	0.0	5.5	12.5	28.3	55.4	92.6	144.7	198.0	250.8	308.0	366.9
62.5°	0.0	6.0	13.6	33.8	63.9	109.1	166.2	229.1	288.5	351.4	411.9
60°	0.0	6.5	14.7	39.1	72.0	124.8	186.5	260.0	324.9	392.1	456.2
57.5°	0.0	7.0	17.6	44.0	82.6	139.4	207.8	288.7	360.7	432.0	498.2
55°	0.0	7.4	20.5	48.7	92.8	153.1	228.0	313.5	396.0	470.5	538.6
52.5°	0.0	7.9	23.3	52.9	102.3	166.0	246.7	339.4	430.4	506.0	577.8
50°	0.0	8.3	26.0	56.8	111.0	179.8	263.9	363.9	463.1	540.4	622.9
47.5°	0.0	8.6	28.5	60.9	118.9	192.3	280.0	386.7	492.8	573.7	667.0
45°	0.0	9.0	30.9	66.1	126.1	203.6	297.8	407.7	515.8	611.5	709.2
42.5°	0.0	9.4	33.2	70.9	132.4	213.7	314.2	427.0	537.9	647.5	758.9
40°	0.0	9.7	35.3	75.8	138.8	222.5	329.1	445.4	560.8	681.3	807.4
37.5°	0.0	10.0	37.3	80.6	145.1	230.0	342.4	462.7	586.5	713.4	852.8
35°	0.0	10.2	39.2	85.1	150.5	238.7	354.1	479.1	611.6	750.4	898.6
32.5°	0.0	10.5	40.9	89.3	155.0	247.4	365.0	494.3	635.9	785.9	947.1
30°	0.0	10.7	42.5	93.1	158.7	254.8	376.3	509.7	659.4	819.8	992.4
27.5°	0.0	10.9	43.9	96.5	164.1	261.0	386.4	527.4	683.6	852.0	1034.4
25°	0.0	11.1	45.2	99.6	169.2	265.8	395.3	544.0	708.8	884.8	1073.3
22.5°	0.0	11.2	46.3	102.3	173.7	270.7	403.0	559.1	732.0	915.8	1114.7
20°	0.0	11.3	47.3	104.7	177.5	277.5	409.3	572.7	753.0	943.5	1151.8
17.5°	0.0	11.4	48.1	106.6	180.8	282.9	417.2	584.7	771.8	967.9	1184.6
15°	0.0	11.5	48.7	108.2	183.4	287.2	425.4	596.1	788.1	988.7	1212.8
12.5°	0.0	11.5	49.2	109.5	185.4	290.3	432.0	606.8	802.9	1006.0	1236.5
10°	0.0	11.6	49.5	110.4	186.8	292.2	437.1	615.1	815.6	1022.3	1256.4
7.5°	0.0	11.5	49.7	110.9	187.5	293.0	440.6	620.9	825.4	1035.4	1273.6
5°	0.0	11.5	49.8	111.0	187.7	292.7	442.4	624.2	832.1	1044.9	1285.9
2.5°	0.0	11.5	49.7	110.8	187.2	291.2	442.5	624.9	835.7	1050.7	1293.3
0°	0.0	11.4	49.4	110.2	186.2	288.8	440.8	623.2	836.0	1052.6	1295.8
-2.5°	0.0	11.5	49.7	110.8	187.2	291.2	442.5	624.9	835.7	1050.7	1293.3
-5°	0.0	11.5	49.8	111.0	187.7	292.7	442.4	624.2	832.1	1044.9	1285.9
-7.5°	0.0	11.5	49.7	110.9	187.5	293.0	440.6	620.9	825.4	1035.4	1273.6
-10°	0.0	11.6	49.5	110.4	186.8	292.2	437.1	615.1	815.6	1022.3	1256.4
-12.5°	0.0	11.5	49.2	109.5	185.4	290.3	432.0	606.8	802.9	1006.0	1236.5
-15°	0.0	11.5	48.7	108.2	183.4	287.2	425.4	596.1	788.1	988.7	1212.8
-17.5°	0.0	11.4	48.1	106.6	180.8	282.9	417.2	584.7	771.8	967.9	1184.6
-20°	0.0	11.3	47.3	104.7	177.5	277.5	409.3	572.7	753.0	943.5	1151.8

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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	11.2	46.3	102.3	173.7	270.7	403.0	559.1	732.0	915.8	1114.7
-25°	0.0	11.1	45.2	99.6	169.2	265.8	395.3	544.0	708.8	884.8	1073.3
-27.5°	0.0	10.9	43.9	96.5	164.1	261.0	386.4	527.4	683.6	852.0	1034.4
-30°	0.0	10.7	42.5	93.1	158.7	254.8	376.3	509.7	659.4	819.8	992.4
-32.5°	0.0	10.5	40.9	89.3	155.0	247.4	365.0	494.3	635.9	785.9	947.1
-35°	0.0	10.2	39.2	85.1	150.5	238.7	354.1	479.1	611.6	750.4	898.6
-37.5°	0.0	10.0	37.3	80.6	145.1	230.0	342.4	462.7	586.5	713.4	852.8
-40°	0.0	9.7	35.3	75.8	138.8	222.5	329.1	445.4	560.8	681.3	807.4
-42.5°	0.0	9.4	33.2	70.9	132.4	213.7	314.2	427.0	537.9	647.5	758.9
-45°	0.0	9.0	30.9	66.1	126.1	203.6	297.8	407.7	515.8	611.5	709.2
-47.5°	0.0	8.6	28.5	60.9	118.9	192.3	280.0	386.7	492.8	573.7	667.0
-50°	0.0	8.3	26.0	56.8	111.0	179.8	263.9	363.9	463.1	540.4	622.9
-52.5°	0.0	7.9	23.3	52.9	102.3	166.0	246.7	339.4	430.4	506.0	577.8
-55°	0.0	7.4	20.5	48.7	92.8	153.1	228.0	313.5	396.0	470.5	538.6
-57.5°	0.0	7.0	17.6	44.0	82.6	139.4	207.8	288.7	360.7	432.0	498.2
-60°	0.0	6.5	14.7	39.1	72.0	124.8	186.5	260.0	324.9	392.1	456.2
-62.5°	0.0	6.0	13.6	33.8	63.9	109.1	166.2	229.1	288.5	351.4	411.9
-65°	0.0	5.5	12.5	28.3	55.4	92.6	144.7	198.0	250.8	308.0	366.9
-67.5°	0.0	5.0	11.4	22.4	46.4	77.6	122.1	168.3	211.7	262.6	316.7
-70°	0.0	4.5	10.2	16.4	37.0	64.1	98.4	137.7	175.5	215.8	263.0
-72.5°	0.0	4.0	9.0	13.7	27.2	50.1	78.7	106.4	138.5	172.8	209.0
-75°	0.0	3.4	7.8	11.8	17.1	35.5	58.9	80.3	100.7	128.9	158.7
-77.5°	0.0	2.9	6.5	9.8	13.1	20.5	38.6	56.0	72.4	88.1	107.6
-80°	0.0	2.3	5.3	7.9	10.5	13.1	17.7	31.5	44.8	57.6	69.8
-82.5°	0.0	1.7	4.0	5.9	7.9	9.8	11.8	13.7	17.1	26.9	36.4
-85°	0.0	1.2	2.6	4.0	5.3	6.6	7.9	9.1	10.4	11.6	12.8
-87.5°	0.0	0.6	1.3	2.0	2.6	3.3	3.9	4.6	5.2	5.8	6.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P627551 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5B-722-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	7.5	8.5	9.7	10.9	11.0	11.0	10.9	10.8	11.2	11.6	12.1
85°	14.9	17.0	23.7	30.1	33.2	35.1	35.9	35.8	41.6	48.4	55.7
82.5°	46.2	55.8	64.9	73.5	75.7	75.8	75.0	75.3	89.0	104.6	120.7
80°	82.3	94.4	110.4	124.7	130.8	134.0	135.5	135.3	152.6	175.6	199.8
77.5°	130.6	151.0	168.6	183.7	191.8	199.0	204.8	209.3	231.6	260.7	289.6
75°	185.6	208.0	230.1	249.5	263.0	273.0	282.4	297.4	326.5	360.5	390.0
72.5°	243.7	272.2	296.9	317.9	336.9	357.0	379.6	404.3	435.0	468.9	499.8
70°	305.7	337.0	362.9	388.2	414.0	444.2	478.0	511.3	545.6	583.0	619.1
67.5°	366.3	396.5	427.0	458.9	497.6	538.0	578.0	623.9	670.9	712.5	749.7
65°	419.0	454.4	492.6	535.9	583.7	635.0	688.4	743.4	803.0	852.9	898.5
62.5°	469.3	511.9	558.3	612.2	673.1	733.9	802.0	871.0	938.0	996.9	1051.3
60°	515.6	567.3	625.9	692.0	763.2	844.0	921.5	999.9	1073.5	1140.1	1208.9
57.5°	560.8	625.7	696.0	775.4	865.4	956.2	1047.3	1131.7	1214.9	1296.1	1373.9
55°	608.5	686.8	770.5	867.8	969.3	1076.6	1174.8	1268.9	1360.7	1459.2	1552.8
52.5°	661.0	748.4	853.2	962.2	1079.4	1194.6	1302.4	1409.7	1520.5	1632.1	1754.0
50°	711.7	820.7	935.5	1062.3	1188.8	1312.3	1436.0	1559.4	1692.3	1829.1	1967.2
47.5°	770.9	889.9	1025.5	1161.4	1299.7	1437.1	1574.9	1724.2	1875.1	2033.7	2186.5
45°	830.8	964.6	1110.7	1264.4	1414.0	1566.1	1727.2	1892.2	2069.2	2243.6	2427.5
42.5°	887.6	1038.8	1199.9	1365.9	1532.3	1702.2	1879.4	2072.1	2265.5	2466.7	2668.8
40°	950.6	1109.4	1287.0	1469.9	1650.4	1838.8	2041.3	2250.1	2468.9	2690.1	2909.5
37.5°	1011.0	1185.7	1372.4	1569.2	1771.8	1978.8	2198.7	2435.6	2672.9	2911.0	3153.0
35°	1067.7	1258.0	1460.2	1669.2	1884.0	2119.5	2365.3	2618.2	2875.3	3132.8	3393.1
32.5°	1126.0	1326.2	1544.1	1767.8	2004.5	2257.0	2526.3	2800.4	3074.2	3349.1	3634.0
30°	1184.4	1397.7	1625.4	1861.0	2120.0	2395.1	2684.5	2974.8	3264.5	3567.0	3870.6
27.5°	1239.6	1465.5	1705.3	1957.4	2230.6	2523.0	2830.3	3141.3	3453.6	3775.3	4099.1
25°	1290.4	1529.8	1779.4	2050.1	2339.7	2646.0	2966.2	3290.7	3633.2	3977.4	4315.6
22.5°	1339.9	1588.8	1848.1	2135.6	2438.6	2760.2	3093.6	3436.3	3794.2	4163.9	4513.8
20°	1387.6	1645.0	1914.9	2213.0	2527.1	2863.1	3209.5	3568.3	3943.8	4323.3	4699.8
17.5°	1430.0	1694.9	1977.1	2285.4	2611.7	2957.1	3313.9	3684.5	4076.7	4470.1	4869.0
15°	1466.8	1738.4	2030.9	2348.6	2686.3	3042.6	3410.8	3791.9	4194.2	4603.9	5018.5
12.5°	1498.0	1775.2	2076.3	2402.2	2749.7	3115.9	3494.0	3888.5	4301.7	4722.8	5149.5
10°	1523.4	1805.2	2113.0	2446.1	2801.5	3176.5	3562.6	3968.2	4393.8	4824.1	5259.7
7.5°	1544.9	1830.3	2142.1	2480.0	2841.4	3223.9	3616.0	4030.4	4467.1	4903.0	5348.2
5°	1560.6	1850.5	2168.9	2508.3	2876.1	3261.0	3656.4	4074.6	4520.7	4959.2	5412.4
2.5°	1570.1	1863.7	2187.1	2526.7	2903.3	3288.7	3692.3	4113.8	4560.0	5003.8	5460.6
0°	1573.2	1869.6	2196.4	2534.6	2918.4	3302.2	3712.6	4134.4	4579.0	5031.2	5491.0
-2.5°	1570.1	1863.7	2187.1	2526.7	2903.3	3288.7	3692.3	4113.8	4560.0	5003.8	5460.6
-5°	1560.6	1850.5	2168.9	2508.3	2876.1	3261.0	3656.4	4074.6	4520.7	4959.2	5412.4
-7.5°	1544.9	1830.3	2142.1	2480.0	2841.4	3223.9	3616.0	4030.4	4467.1	4903.0	5348.2
-10°	1523.4	1805.2	2113.0	2446.1	2801.5	3176.5	3562.6	3968.2	4393.8	4824.1	5259.7
-12.5°	1498.0	1775.2	2076.3	2402.2	2749.7	3115.9	3494.0	3888.5	4301.7	4722.8	5149.5
-15°	1466.8	1738.4	2030.9	2348.6	2686.3	3042.6	3410.8	3791.9	4194.2	4603.9	5018.5
-17.5°	1430.0	1694.9	1977.1	2285.4	2611.7	2957.1	3313.9	3684.5	4076.7	4470.1	4869.0
-20°	1387.6	1645.0	1914.9	2213.0	2527.1	2863.1	3209.5	3568.3	3943.8	4323.3	4699.8

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Scaled Data Report



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CATALOG NUMBER: GFLD-SA5B-722-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°	1339.9	1588.8	1848.1	2135.6	2438.6	2760.2	3093.6	3436.3	3794.2	4163.9	4513.8
-25°	1290.4	1529.8	1779.4	2050.1	2339.7	2646.0	2966.2	3290.7	3633.2	3977.4	4315.6
-27.5°	1239.6	1465.5	1705.3	1957.4	2230.6	2523.0	2830.3	3141.3	3453.6	3775.3	4099.1
-30°	1184.4	1397.7	1625.4	1861.0	2120.0	2395.1	2684.5	2974.8	3264.5	3567.0	3870.6
-32.5°	1126.0	1326.2	1544.1	1767.8	2004.5	2257.0	2526.3	2800.4	3074.2	3349.1	3634.0
-35°	1067.7	1258.0	1460.2	1669.2	1884.0	2119.5	2365.3	2618.2	2875.3	3132.8	3393.1
-37.5°	1011.0	1185.7	1372.4	1569.2	1771.8	1978.8	2198.7	2435.6	2672.9	2911.0	3153.0
-40°	950.6	1109.4	1287.0	1469.9	1650.4	1838.8	2041.3	2250.1	2468.9	2690.1	2909.5
-42.5°	887.6	1038.8	1199.9	1365.9	1532.3	1702.2	1879.4	2072.1	2265.5	2466.7	2668.8
-45°	830.8	964.6	1110.7	1264.4	1414.0	1566.1	1727.2	1892.2	2069.2	2243.6	2427.5
-47.5°	770.9	889.9	1025.5	1161.4	1299.7	1437.1	1574.9	1724.2	1875.1	2033.7	2186.5
-50°	711.7	820.7	935.5	1062.3	1188.8	1312.3	1436.0	1559.4	1692.3	1829.1	1967.2
-52.5°	661.0	748.4	853.2	962.2	1079.4	1194.6	1302.4	1409.7	1520.5	1632.1	1754.0
-55°	608.5	686.8	770.5	867.8	969.3	1076.6	1174.8	1268.9	1360.7	1459.2	1552.8
-57.5°	560.8	625.7	696.0	775.4	865.4	956.2	1047.3	1131.7	1214.9	1296.1	1373.9
-60°	515.6	567.3	625.9	692.0	763.2	844.0	921.5	999.9	1073.5	1140.1	1208.9
-62.5°	469.3	511.9	558.3	612.2	673.1	733.9	802.0	871.0	938.0	996.9	1051.3
-65°	419.0	454.4	492.6	535.9	583.7	635.0	688.4	743.4	803.0	852.9	898.5
-67.5°	366.3	396.5	427.0	458.9	497.6	538.0	578.0	623.9	670.9	712.5	749.7
-70°	305.7	337.0	362.9	388.2	414.0	444.2	478.0	511.3	545.6	583.0	619.1
-72.5°	243.7	272.2	296.9	317.9	336.9	357.0	379.6	404.3	435.0	468.9	499.8
-75°	185.6	208.0	230.1	249.5	263.0	273.0	282.4	297.4	326.5	360.5	390.0
-77.5°	130.6	151.0	168.6	183.7	191.8	199.0	204.8	209.3	231.6	260.7	289.6
-80°	82.3	94.4	110.4	124.7	130.8	134.0	135.5	135.3	152.6	175.6	199.8
-82.5°	46.2	55.8	64.9	73.5	75.7	75.8	75.0	75.3	89.0	104.6	120.7
-85°	14.9	17.0	23.7	30.1	33.2	35.1	35.9	35.8	41.6	48.4	55.7
-87.5°	7.5	8.5	9.7	10.9	11.0	11.0	10.9	10.8	11.2	11.6	12.1
-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: P627551 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5B-722-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	12.4	12.8	13.2	13.5	13.8	14.0	14.3	14.5	14.7	13.9	13.1
85°	63.5	68.0	72.2	76.2	80.0	83.6	87.0	90.2	93.1	85.0	76.1
82.5°	137.1	148.1	158.5	168.9	179.2	181.9	182.7	182.3	180.9	166.7	151.0
80°	223.8	242.4	260.0	277.4	294.6	296.5	294.5	291.0	286.0	267.4	246.3
77.5°	318.4	341.8	362.4	381.2	398.3	401.5	401.0	400.2	398.8	379.8	356.8
75°	415.4	438.3	460.4	479.2	494.9	502.1	505.7	508.2	509.6	495.9	478.1
72.5°	527.8	551.7	571.2	589.5	604.9	616.1	624.1	630.2	634.3	630.2	622.9
70°	649.8	675.4	697.0	717.6	738.6	755.4	768.1	777.3	783.1	786.9	789.6
67.5°	787.2	821.6	851.6	877.2	902.5	926.3	945.8	961.8	974.1	984.6	992.6
65°	942.0	986.0	1024.9	1060.7	1093.5	1127.9	1156.2	1180.0	1199.1	1214.9	1227.5
62.5°	1104.8	1158.6	1208.6	1257.1	1304.7	1351.5	1387.5	1420.2	1449.3	1474.3	1494.2
60°	1273.9	1335.1	1402.2	1466.3	1525.2	1579.1	1632.5	1678.9	1718.5	1751.4	1777.9
57.5°	1455.7	1534.9	1613.4	1692.9	1768.1	1838.4	1904.3	1962.4	2011.5	2051.7	2085.5
55°	1652.1	1751.2	1842.2	1942.5	2039.5	2127.8	2205.5	2273.8	2332.9	2382.3	2424.3
52.5°	1868.0	1988.4	2106.6	2220.8	2330.8	2433.2	2526.3	2605.9	2676.6	2737.3	2785.7
50°	2104.2	2242.0	2379.0	2506.0	2632.5	2750.5	2857.2	2949.5	3031.8	3103.1	3159.2
47.5°	2351.3	2508.1	2661.1	2806.5	2946.5	3077.6	3193.2	3298.4	3401.0	3484.8	3551.0
45°	2607.9	2783.8	2952.6	3118.8	3273.0	3420.0	3562.4	3693.5	3798.8	3891.1	3968.5
42.5°	2867.6	3063.8	3252.8	3434.1	3603.6	3773.6	3933.9	4077.2	4197.3	4302.2	4390.2
40°	3130.7	3345.5	3553.7	3751.4	3945.2	4130.6	4303.9	4455.0	4590.5	4715.0	4818.8
37.5°	3392.4	3628.7	3859.4	4080.9	4294.3	4495.1	4682.4	4853.1	5006.0	5147.9	5263.1
35°	3655.3	3914.6	4167.1	4410.9	4643.9	4865.5	5070.6	5264.8	5445.0	5588.7	5706.6
32.5°	3917.2	4195.9	4470.8	4739.1	4994.2	5233.1	5455.3	5669.9	5855.3	6013.2	6148.8
30°	4170.6	4472.6	4771.8	5062.8	5338.4	5597.3	5843.3	6070.2	6269.6	6442.3	6594.3
27.5°	4419.3	4743.7	5064.8	5375.6	5673.6	5954.9	6223.4	6469.5	6687.0	6874.8	7035.1
25°	4654.3	5003.0	5345.3	5674.8	5993.1	6303.4	6593.3	6861.9	7094.2	7300.4	7465.1
22.5°	4878.9	5250.7	5610.4	5957.1	6297.5	6631.9	6949.4	7229.8	7476.0	7691.5	7873.8
20°	5088.1	5486.6	5854.5	6221.2	6579.7	6936.9	7277.7	7573.5	7834.1	8063.5	8264.4
17.5°	5283.6	5692.4	6079.8	6470.2	6848.1	7222.7	7569.0	7886.1	8167.2	8410.8	8621.2
15°	5449.2	5862.0	6285.0	6701.8	7100.4	7479.8	7825.7	8156.9	8469.1	8732.5	8945.9
12.5°	5583.2	6012.5	6453.9	6896.3	7317.8	7696.7	8058.9	8394.9	8722.7	9018.6	9214.8
10°	5697.5	6139.5	6595.2	7046.4	7473.5	7874.4	8268.1	8623.4	8945.6	9210.6	9429.6
7.5°	5796.2	6251.6	6714.4	7166.3	7592.0	8006.2	8411.6	8788.9	9114.1	9363.8	9559.1
5°	5869.1	6335.2	6807.0	7263.1	7694.7	8110.3	8517.5	8890.0	9207.5	9461.5	9674.6
2.5°	5921.2	6391.7	6866.8	7323.6	7764.8	8181.4	8598.8	8975.5	9283.0	9515.7	9719.7
0°	5954.6	6425.8	6904.6	7372.0	7805.2	8208.0	8656.4	9009.8	9329.0	9560.8	9773.6
-2.5°	5921.2	6391.7	6866.8	7323.6	7764.8	8181.4	8598.8	8975.5	9283.0	9515.7	9719.7
-5°	5869.1	6335.2	6807.0	7263.1	7694.7	8110.3	8517.5	8890.0	9207.5	9461.5	9674.6
-7.5°	5796.2	6251.6	6714.4	7166.3	7592.0	8006.2	8411.6	8788.9	9114.1	9363.8	9559.1
-10°	5697.5	6139.5	6595.2	7046.4	7473.5	7874.4	8268.1	8623.4	8945.6	9210.6	9429.6
-12.5°	5583.2	6012.5	6453.9	6896.3	7317.8	7696.7	8058.9	8394.9	8722.7	9018.6	9214.8
-15°	5449.2	5862.0	6285.0	6701.8	7100.4	7479.8	7825.7	8156.9	8469.1	8732.5	8945.9
-17.5°	5283.6	5692.4	6079.8	6470.2	6848.1	7222.7	7569.0	7886.1	8167.2	8410.8	8621.2
-20°	5088.1	5486.6	5854.5	6221.2	6579.7	6936.9	7277.7	7573.5	7834.1	8063.5	8264.4



REPORT NUMBER: P627551 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5B-722-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	4878.9	5250.7	5610.4	5957.1	6297.5	6631.9	6949.4	7229.8	7476.0	7691.5	7873.8
-25°	4654.3	5003.0	5345.3	5674.8	5993.1	6303.4	6593.3	6861.9	7094.2	7300.4	7465.1
-27.5°	4419.3	4743.7	5064.8	5375.6	5673.6	5954.9	6223.4	6469.5	6687.0	6874.8	7035.1
-30°	4170.6	4472.6	4771.8	5062.8	5338.4	5597.3	5843.3	6070.2	6269.6	6442.3	6594.3
-32.5°	3917.2	4195.9	4470.8	4739.1	4994.2	5233.1	5455.3	5669.9	5855.3	6013.2	6148.8
-35°	3655.3	3914.6	4167.1	4410.9	4643.9	4865.5	5070.6	5264.8	5445.0	5588.7	5706.6
-37.5°	3392.4	3628.7	3859.4	4080.9	4294.3	4495.1	4682.4	4853.1	5006.0	5147.9	5263.1
-40°	3130.7	3345.5	3553.7	3751.4	3945.2	4130.6	4303.9	4455.0	4590.5	4715.0	4818.8
-42.5°	2867.6	3063.8	3252.8	3434.1	3603.6	3773.6	3933.9	4077.2	4197.3	4302.2	4390.2
-45°	2607.9	2783.8	2952.6	3118.8	3273.0	3420.0	3562.4	3693.5	3798.8	3891.1	3968.5
-47.5°	2351.3	2508.1	2661.1	2806.5	2946.5	3077.6	3193.2	3298.4	3401.0	3484.8	3551.0
-50°	2104.2	2242.0	2379.0	2506.0	2632.5	2750.5	2857.2	2949.5	3031.8	3103.1	3159.2
-52.5°	1868.0	1988.4	2106.6	2220.8	2330.8	2433.2	2526.3	2605.9	2676.6	2737.3	2785.7
-55°	1652.1	1751.2	1842.2	1942.5	2039.5	2127.8	2205.5	2273.8	2332.9	2382.3	2424.3
-57.5°	1455.7	1534.9	1613.4	1692.9	1768.1	1838.4	1904.3	1962.4	2011.5	2051.7	2085.5
-60°	1273.9	1335.1	1402.2	1466.3	1525.2	1579.1	1632.5	1678.9	1718.5	1751.4	1777.9
-62.5°	1104.8	1158.6	1208.6	1257.1	1304.7	1351.5	1387.5	1420.2	1449.3	1474.3	1494.2
-65°	942.0	986.0	1024.9	1060.7	1093.5	1127.9	1156.2	1180.0	1199.1	1214.9	1227.5
-67.5°	787.2	821.6	851.6	877.2	902.5	926.3	945.8	961.8	974.1	984.6	992.6
-70°	649.8	675.4	697.0	717.6	738.6	755.4	768.1	777.3	783.1	786.9	789.6
-72.5°	527.8	551.7	571.2	589.5	604.9	616.1	624.1	630.2	634.3	630.2	622.9
-75°	415.4	438.3	460.4	479.2	494.9	502.1	505.7	508.2	509.6	495.9	478.1
-77.5°	318.4	341.8	362.4	381.2	398.3	401.5	401.0	400.2	398.8	379.8	356.8
-80°	223.8	242.4	260.0	277.4	294.6	296.5	294.5	291.0	286.0	267.4	246.3
-82.5°	137.1	148.1	158.5	168.9	179.2	181.9	182.7	182.3	180.9	166.7	151.0
-85°	63.5	68.0	72.2	76.2	80.0	83.6	87.0	90.2	93.1	85.0	76.1
-87.5°	12.4	12.8	13.2	13.5	13.8	14.0	14.3	14.5	14.7	13.9	13.1
-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: P627551 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5B-722-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°	12.2	11.4	11.4	11.4	11.4	11.4	12.2	13.1	13.9	14.7	14.5
85°	66.6	56.7	53.1	49.4	53.1	56.7	66.6	76.1	85.0	93.1	90.2
82.5°	134.5	117.4	112.0	106.4	112.0	117.4	134.5	151.0	166.7	180.9	182.3
80°	224.1	200.9	191.7	182.4	191.7	200.9	224.1	246.3	267.4	286.0	291.0
77.5°	332.6	307.1	296.2	285.0	296.2	307.1	332.6	356.8	379.8	398.8	400.2
75°	459.3	439.3	427.2	414.2	427.2	439.3	459.3	478.1	495.9	509.6	508.2
72.5°	614.6	604.8	596.0	585.2	596.0	604.8	614.6	622.9	630.2	634.3	630.2
70°	790.5	789.3	790.9	790.4	790.9	789.3	790.5	789.6	786.9	783.1	777.3
67.5°	996.8	997.0	1001.3	1003.2	1001.3	997.0	996.8	992.6	984.6	974.1	961.8
65°	1235.4	1238.3	1237.2	1231.2	1237.2	1238.3	1235.4	1227.5	1214.9	1199.1	1180.0
62.5°	1508.4	1516.5	1521.1	1520.0	1521.1	1516.5	1508.4	1494.2	1474.3	1449.3	1420.2
60°	1797.7	1810.6	1817.1	1816.4	1817.1	1810.6	1797.7	1777.9	1751.4	1718.5	1678.9
57.5°	2110.8	2127.2	2131.1	2124.2	2131.1	2127.2	2110.8	2085.5	2051.7	2011.5	1962.4
55°	2456.0	2477.1	2485.3	2481.4	2485.3	2477.1	2456.0	2424.3	2382.3	2332.9	2273.8
52.5°	2821.1	2843.9	2852.0	2846.2	2852.0	2843.9	2821.1	2785.7	2737.3	2676.6	2605.9
50°	3200.4	3228.0	3239.1	3233.8	3239.1	3228.0	3200.4	3159.2	3103.1	3031.8	2949.5
47.5°	3602.9	3639.6	3653.9	3644.2	3653.9	3639.6	3602.9	3551.0	3484.8	3401.0	3298.4
45°	4026.4	4064.5	4079.3	4069.8	4079.3	4064.5	4026.4	3968.5	3891.1	3798.8	3693.5
42.5°	4457.5	4507.1	4528.0	4510.6	4528.0	4507.1	4457.5	4390.2	4302.2	4197.3	4077.2
40°	4896.3	4950.0	4974.8	4962.8	4974.8	4950.0	4896.3	4818.8	4715.0	4590.5	4455.0
37.5°	5346.3	5399.8	5426.1	5426.4	5426.1	5399.8	5346.3	5263.1	5147.9	5006.0	4853.1
35°	5797.9	5862.7	5899.4	5897.6	5899.4	5862.7	5797.9	5706.6	5588.7	5445.0	5264.8
32.5°	6255.9	6326.1	6363.5	6368.8	6363.5	6326.1	6255.9	6148.8	6013.2	5855.3	5669.9
30°	6713.1	6790.3	6833.6	6851.4	6833.6	6790.3	6713.1	6594.3	6442.3	6269.6	6070.2
27.5°	7156.5	7251.4	7316.9	7322.6	7316.9	7251.4	7156.5	7035.1	6874.8	6687.0	6469.5
25°	7586.0	7682.6	7749.7	7763.4	7749.7	7682.6	7586.0	7465.1	7300.4	7094.2	6861.9
22.5°	8009.2	8110.2	8172.2	8196.6	8172.2	8110.2	8009.2	7873.8	7691.5	7476.0	7229.8
20°	8413.2	8522.7	8588.4	8614.6	8588.4	8522.7	8413.2	8264.4	8063.5	7834.1	7573.5
17.5°	8778.8	8894.4	8975.6	8998.4	8975.6	8894.4	8778.8	8621.2	8410.8	8167.2	7886.1
15°	9100.5	9210.1	9287.2	9317.6	9287.2	9210.1	9100.5	8945.9	8732.5	8469.1	8156.9
12.5°	9362.3	9460.4	9520.7	9549.4	9520.7	9460.4	9362.3	9214.8	9018.6	8722.7	8394.9
10°	9566.8	9665.2	9722.9	9762.2	9722.9	9665.2	9566.8	9429.6	9210.6	8945.6	8623.4
7.5°	9744.4	9845.2	9915.7	9971.2	9915.7	9845.2	9744.4	9559.1	9363.8	9114.1	8788.9
5°	9842.4	10010.8	10036.1	10073.8	10036.1	10010.8	9842.4	9674.6	9461.5	9207.5	8890.0
2.5°	9917.1	10036.5	10108.3	10100.4	10108.3	10036.5	9917.1	9719.7	9515.7	9283.0	8975.5
0°	9971.2	10077.6	10104.2	10138.4	10104.2	10077.6	9971.2	9773.6	9560.8	9329.0	9009.8
-2.5°	9917.1	10036.5	10108.3	10100.4	10108.3	10036.5	9917.1	9719.7	9515.7	9283.0	8975.5
-5°	9842.4	10010.8	10036.1	10073.8	10036.1	10010.8	9842.4	9674.6	9461.5	9207.5	8890.0
-7.5°	9744.4	9845.2	9915.7	9971.2	9915.7	9845.2	9744.4	9559.1	9363.8	9114.1	8788.9
-10°	9566.8	9665.2	9722.9	9762.2	9722.9	9665.2	9566.8	9429.6	9210.6	8945.6	8623.4
-12.5°	9362.3	9460.4	9520.7	9549.4	9520.7	9460.4	9362.3	9214.8	9018.6	8722.7	8394.9
-15°	9100.5	9210.1	9287.2	9317.6	9287.2	9210.1	9100.5	8945.9	8732.5	8469.1	8156.9
-17.5°	8778.8	8894.4	8975.6	8998.4	8975.6	8894.4	8778.8	8621.2	8410.8	8167.2	7886.1
-20°	8413.2	8522.7	8588.4	8614.6	8588.4	8522.7	8413.2	8264.4	8063.5	7834.1	7573.5



REPORT NUMBER: P627551 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5B-722-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°	8009.2	8110.2	8172.2	8196.6	8172.2	8110.2	8009.2	7873.8	7691.5	7476.0	7229.8
-25°	7586.0	7682.6	7749.7	7763.4	7749.7	7682.6	7586.0	7465.1	7300.4	7094.2	6861.9
-27.5°	7156.5	7251.4	7316.9	7322.6	7316.9	7251.4	7156.5	7035.1	6874.8	6687.0	6469.5
-30°	6713.1	6790.3	6833.6	6851.4	6833.6	6790.3	6713.1	6594.3	6442.3	6269.6	6070.2
-32.5°	6255.9	6326.1	6363.5	6368.8	6363.5	6326.1	6255.9	6148.8	6013.2	5855.3	5669.9
-35°	5797.9	5862.7	5899.4	5897.6	5899.4	5862.7	5797.9	5706.6	5588.7	5445.0	5264.8
-37.5°	5346.3	5399.8	5426.1	5426.4	5426.1	5399.8	5346.3	5263.1	5147.9	5006.0	4853.1
-40°	4896.3	4950.0	4974.8	4962.8	4974.8	4950.0	4896.3	4818.8	4715.0	4590.5	4455.0
-42.5°	4457.5	4507.1	4528.0	4510.6	4528.0	4507.1	4457.5	4390.2	4302.2	4197.3	4077.2
-45°	4026.4	4064.5	4079.3	4069.8	4079.3	4064.5	4026.4	3968.5	3891.1	3798.8	3693.5
-47.5°	3602.9	3639.6	3653.9	3644.2	3653.9	3639.6	3602.9	3551.0	3484.8	3401.0	3298.4
-50°	3200.4	3228.0	3239.1	3233.8	3239.1	3228.0	3200.4	3159.2	3103.1	3031.8	2949.5
-52.5°	2821.1	2843.9	2852.0	2846.2	2852.0	2843.9	2821.1	2785.7	2737.3	2676.6	2605.9
-55°	2456.0	2477.1	2485.3	2481.4	2485.3	2477.1	2456.0	2424.3	2382.3	2332.9	2273.8
-57.5°	2110.8	2127.2	2131.1	2124.2	2131.1	2127.2	2110.8	2085.5	2051.7	2011.5	1962.4
-60°	1797.7	1810.6	1817.1	1816.4	1817.1	1810.6	1797.7	1777.9	1751.4	1718.5	1678.9
-62.5°	1508.4	1516.5	1521.1	1520.0	1521.1	1516.5	1508.4	1494.2	1474.3	1449.3	1420.2
-65°	1235.4	1238.3	1237.2	1231.2	1237.2	1238.3	1235.4	1227.5	1214.9	1199.1	1180.0
-67.5°	996.8	997.0	1001.3	1003.2	1001.3	997.0	996.8	992.6	984.6	974.1	961.8
-70°	790.5	789.3	790.9	790.4	790.9	789.3	790.5	789.6	786.9	783.1	777.3
-72.5°	614.6	604.8	596.0	585.2	596.0	604.8	614.6	622.9	630.2	634.3	630.2
-75°	459.3	439.3	427.2	414.2	427.2	439.3	459.3	478.1	495.9	509.6	508.2
-77.5°	332.6	307.1	296.2	285.0	296.2	307.1	332.6	356.8	379.8	398.8	400.2
-80°	224.1	200.9	191.7	182.4	191.7	200.9	224.1	246.3	267.4	286.0	291.0
-82.5°	134.5	117.4	112.0	106.4	112.0	117.4	134.5	151.0	166.7	180.9	182.3
-85°	66.6	56.7	53.1	49.4	53.1	56.7	66.6	76.1	85.0	93.1	90.2
-87.5°	12.2	11.4	11.4	11.4	11.4	11.4	12.2	13.1	13.9	14.7	14.5
-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: P627551 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5B-722-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°	14.3	14.0	13.8	13.5	13.2	12.8	12.4	12.1	11.6	11.2	10.8
85°	87.0	83.6	80.0	76.2	72.2	68.0	63.5	55.7	48.4	41.6	35.8
82.5°	182.7	181.9	179.2	168.9	158.5	148.1	137.1	120.7	104.6	89.0	75.3
80°	294.5	296.5	294.6	277.4	260.0	242.4	223.8	199.8	175.6	152.6	135.3
77.5°	401.0	401.5	398.3	381.2	362.4	341.8	318.4	289.6	260.7	231.6	209.3
75°	505.7	502.1	494.9	479.2	460.4	438.3	415.4	390.0	360.5	326.5	297.4
72.5°	624.1	616.1	604.9	589.5	571.2	551.7	527.8	499.8	468.9	435.0	404.3
70°	768.1	755.4	738.6	717.6	697.0	675.4	649.8	619.1	583.0	545.6	511.3
67.5°	945.8	926.3	902.5	877.2	851.6	821.6	787.2	749.7	712.5	670.9	623.9
65°	1156.2	1127.9	1093.5	1060.7	1024.9	986.0	942.0	898.5	852.9	803.0	743.4
62.5°	1387.5	1351.5	1304.7	1257.1	1208.6	1158.6	1104.8	1051.3	996.9	938.0	871.0
60°	1632.5	1579.1	1525.2	1466.3	1402.2	1335.1	1273.9	1208.9	1140.1	1073.5	999.9
57.5°	1904.3	1838.4	1768.1	1692.9	1613.4	1534.9	1455.7	1373.9	1296.1	1214.9	1131.7
55°	2205.5	2127.8	2039.5	1942.5	1842.2	1751.2	1652.1	1552.8	1459.2	1360.7	1268.9
52.5°	2526.3	2433.2	2330.8	2220.8	2106.6	1988.4	1868.0	1754.0	1632.1	1520.5	1409.7
50°	2857.2	2750.5	2632.5	2506.0	2379.0	2242.0	2104.2	1967.2	1829.1	1692.3	1559.4
47.5°	3193.2	3077.6	2946.5	2806.5	2661.1	2508.1	2351.3	2186.5	2033.7	1875.1	1724.2
45°	3562.4	3420.0	3273.0	3118.8	2952.6	2783.8	2607.9	2427.5	2243.6	2069.2	1892.2
42.5°	3933.9	3773.6	3603.6	3434.1	3252.8	3063.8	2867.6	2668.8	2466.7	2265.5	2072.1
40°	4303.9	4130.6	3945.2	3751.4	3553.7	3345.5	3130.7	2909.5	2690.1	2468.9	2250.1
37.5°	4682.4	4495.1	4294.3	4080.9	3859.4	3628.7	3392.4	3153.0	2911.0	2672.9	2435.6
35°	5070.6	4865.5	4643.9	4410.9	4167.1	3914.6	3655.3	3393.1	3132.8	2875.3	2618.2
32.5°	5455.3	5233.1	4994.2	4739.1	4470.8	4195.9	3917.2	3634.0	3349.1	3074.2	2800.4
30°	5843.3	5597.3	5338.4	5062.8	4771.8	4472.6	4170.6	3870.6	3567.0	3264.5	2974.8
27.5°	6223.4	5954.9	5673.6	5375.6	5064.8	4743.7	4419.3	4099.1	3775.3	3453.6	3141.3
25°	6593.3	6303.4	5993.1	5674.8	5345.3	5003.0	4654.3	4315.6	3977.4	3633.2	3290.7
22.5°	6949.4	6631.9	6297.5	5957.1	5610.4	5250.7	4878.9	4513.8	4163.9	3794.2	3436.3
20°	7277.7	6936.9	6579.7	6221.2	5854.5	5486.6	5088.1	4699.8	4323.3	3943.8	3568.3
17.5°	7569.0	7222.7	6848.1	6470.2	6079.8	5692.4	5283.6	4869.0	4470.1	4076.7	3684.5
15°	7825.7	7479.8	7100.4	6701.8	6285.0	5862.0	5449.2	5018.5	4603.9	4194.2	3791.9
12.5°	8058.9	7696.7	7317.8	6896.3	6453.9	6012.5	5583.2	5149.5	4722.8	4301.7	3888.5
10°	8268.1	7874.4	7473.5	7046.4	6595.2	6139.5	5697.5	5259.7	4824.1	4393.8	3968.2
7.5°	8411.6	8006.2	7592.0	7166.3	6714.4	6251.6	5796.2	5348.2	4903.0	4467.1	4030.4
5°	8517.5	8110.3	7694.7	7263.1	6807.0	6335.2	5869.1	5412.4	4959.2	4520.7	4074.6
2.5°	8598.8	8181.4	7764.8	7323.6	6866.8	6391.7	5921.2	5460.6	5003.8	4560.0	4113.8
0°	8656.4	8208.0	7805.2	7372.0	6904.6	6425.8	5954.6	5491.0	5031.2	4579.0	4134.4
-2.5°	8598.8	8181.4	7764.8	7323.6	6866.8	6391.7	5921.2	5460.6	5003.8	4560.0	4113.8
-5°	8517.5	8110.3	7694.7	7263.1	6807.0	6335.2	5869.1	5412.4	4959.2	4520.7	4074.6
-7.5°	8411.6	8006.2	7592.0	7166.3	6714.4	6251.6	5796.2	5348.2	4903.0	4467.1	4030.4
-10°	8268.1	7874.4	7473.5	7046.4	6595.2	6139.5	5697.5	5259.7	4824.1	4393.8	3968.2
-12.5°	8058.9	7696.7	7317.8	6896.3	6453.9	6012.5	5583.2	5149.5	4722.8	4301.7	3888.5
-15°	7825.7	7479.8	7100.4	6701.8	6285.0	5862.0	5449.2	5018.5	4603.9	4194.2	3791.9
-17.5°	7569.0	7222.7	6848.1	6470.2	6079.8	5692.4	5283.6	4869.0	4470.1	4076.7	3684.5
-20°	7277.7	6936.9	6579.7	6221.2	5854.5	5486.6	5088.1	4699.8	4323.3	3943.8	3568.3



REPORT NUMBER: P627551 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5B-722-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	6949.4	6631.9	6297.5	5957.1	5610.4	5250.7	4878.9	4513.8	4163.9	3794.2	3436.3
-25°	6593.3	6303.4	5993.1	5674.8	5345.3	5003.0	4654.3	4315.6	3977.4	3633.2	3290.7
-27.5°	6223.4	5954.9	5673.6	5375.6	5064.8	4743.7	4419.3	4099.1	3775.3	3453.6	3141.3
-30°	5843.3	5597.3	5338.4	5062.8	4771.8	4472.6	4170.6	3870.6	3567.0	3264.5	2974.8
-32.5°	5455.3	5233.1	4994.2	4739.1	4470.8	4195.9	3917.2	3634.0	3349.1	3074.2	2800.4
-35°	5070.6	4865.5	4643.9	4410.9	4167.1	3914.6	3655.3	3393.1	3132.8	2875.3	2618.2
-37.5°	4682.4	4495.1	4294.3	4080.9	3859.4	3628.7	3392.4	3153.0	2911.0	2672.9	2435.6
-40°	4303.9	4130.6	3945.2	3751.4	3553.7	3345.5	3130.7	2909.5	2690.1	2468.9	2250.1
-42.5°	3933.9	3773.6	3603.6	3434.1	3252.8	3063.8	2867.6	2668.8	2466.7	2265.5	2072.1
-45°	3562.4	3420.0	3273.0	3118.8	2952.6	2783.8	2607.9	2427.5	2243.6	2069.2	1892.2
-47.5°	3193.2	3077.6	2946.5	2806.5	2661.1	2508.1	2351.3	2186.5	2033.7	1875.1	1724.2
-50°	2857.2	2750.5	2632.5	2506.0	2379.0	2242.0	2104.2	1967.2	1829.1	1692.3	1559.4
-52.5°	2526.3	2433.2	2330.8	2220.8	2106.6	1988.4	1868.0	1754.0	1632.1	1520.5	1409.7
-55°	2205.5	2127.8	2039.5	1942.5	1842.2	1751.2	1652.1	1552.8	1459.2	1360.7	1268.9
-57.5°	1904.3	1838.4	1768.1	1692.9	1613.4	1534.9	1455.7	1373.9	1296.1	1214.9	1131.7
-60°	1632.5	1579.1	1525.2	1466.3	1402.2	1335.1	1273.9	1208.9	1140.1	1073.5	999.9
-62.5°	1387.5	1351.5	1304.7	1257.1	1208.6	1158.6	1104.8	1051.3	996.9	938.0	871.0
-65°	1156.2	1127.9	1093.5	1060.7	1024.9	986.0	942.0	898.5	852.9	803.0	743.4
-67.5°	945.8	926.3	902.5	877.2	851.6	821.6	787.2	749.7	712.5	670.9	623.9
-70°	768.1	755.4	738.6	717.6	697.0	675.4	649.8	619.1	583.0	545.6	511.3
-72.5°	624.1	616.1	604.9	589.5	571.2	551.7	527.8	499.8	468.9	435.0	404.3
-75°	505.7	502.1	494.9	479.2	460.4	438.3	415.4	390.0	360.5	326.5	297.4
-77.5°	401.0	401.5	398.3	381.2	362.4	341.8	318.4	289.6	260.7	231.6	209.3
-80°	294.5	296.5	294.6	277.4	260.0	242.4	223.8	199.8	175.6	152.6	135.3
-82.5°	182.7	181.9	179.2	168.9	158.5	148.1	137.1	120.7	104.6	89.0	75.3
-85°	87.0	83.6	80.0	76.2	72.2	68.0	63.5	55.7	48.4	41.6	35.8
-87.5°	14.3	14.0	13.8	13.5	13.2	12.8	12.4	12.1	11.6	11.2	10.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P627551 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5B-722-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	10.9	11.0	11.0	10.9	9.7	8.5	7.5	6.4	5.8	5.2	4.6
85°	35.9	35.1	33.2	30.1	23.7	17.0	14.9	12.8	11.6	10.4	9.1
82.5°	75.0	75.8	75.7	73.5	64.9	55.8	46.2	36.4	26.9	17.1	13.7
80°	135.5	134.0	130.8	124.7	110.4	94.4	82.3	69.8	57.6	44.8	31.5
77.5°	204.8	199.0	191.8	183.7	168.6	151.0	130.6	107.6	88.1	72.4	56.0
75°	282.4	273.0	263.0	249.5	230.1	208.0	185.6	158.7	128.9	100.7	80.3
72.5°	379.6	357.0	336.9	317.9	296.9	272.2	243.7	209.0	172.8	138.5	106.4
70°	478.0	444.2	414.0	388.2	362.9	337.0	305.7	263.0	215.8	175.5	137.7
67.5°	578.0	538.0	497.6	458.9	427.0	396.5	366.3	316.7	262.6	211.7	168.3
65°	688.4	635.0	583.7	535.9	492.6	454.4	419.0	366.9	308.0	250.8	198.0
62.5°	802.0	733.9	673.1	612.2	558.3	511.9	469.3	411.9	351.4	288.5	229.1
60°	921.5	844.0	763.2	692.0	625.9	567.3	515.6	456.2	392.1	324.9	260.0
57.5°	1047.3	956.2	865.4	775.4	696.0	625.7	560.8	498.2	432.0	360.7	288.7
55°	1174.8	1076.6	969.3	867.8	770.5	686.8	608.5	538.6	470.5	396.0	313.5
52.5°	1302.4	1194.6	1079.4	962.2	853.2	748.4	661.0	577.8	506.0	430.4	339.4
50°	1436.0	1312.3	1188.8	1062.3	935.5	820.7	711.7	622.9	540.4	463.1	363.9
47.5°	1574.9	1437.1	1299.7	1161.4	1025.5	889.9	770.9	667.0	573.7	492.8	386.7
45°	1727.2	1566.1	1414.0	1264.4	1110.7	964.6	830.8	709.2	611.5	515.8	407.7
42.5°	1879.4	1702.2	1532.3	1365.9	1199.9	1038.8	887.6	758.9	647.5	537.9	427.0
40°	2041.3	1838.8	1650.4	1469.9	1287.0	1109.4	950.6	807.4	681.3	560.8	445.4
37.5°	2198.7	1978.8	1771.8	1569.2	1372.4	1185.7	1011.0	852.8	713.4	586.5	462.7
35°	2365.3	2119.5	1884.0	1669.2	1460.2	1258.0	1067.7	898.6	750.4	611.6	479.1
32.5°	2526.3	2257.0	2004.5	1767.8	1544.1	1326.2	1126.0	947.1	785.9	635.9	494.3
30°	2684.5	2395.1	2120.0	1861.0	1625.4	1397.7	1184.4	992.4	819.8	659.4	509.7
27.5°	2830.3	2523.0	2230.6	1957.4	1705.3	1465.5	1239.6	1034.4	852.0	683.6	527.4
25°	2966.2	2646.0	2339.7	2050.1	1779.4	1529.8	1290.4	1073.3	884.8	708.8	544.0
22.5°	3093.6	2760.2	2438.6	2135.6	1848.1	1588.8	1339.9	1114.7	915.8	732.0	559.1
20°	3209.5	2863.1	2527.1	2213.0	1914.9	1645.0	1387.6	1151.8	943.5	753.0	572.7
17.5°	3313.9	2957.1	2611.7	2285.4	1977.1	1694.9	1430.0	1184.6	967.9	771.8	584.7
15°	3410.8	3042.6	2686.3	2348.6	2030.9	1738.4	1466.8	1212.8	988.7	788.1	596.1
12.5°	3494.0	3115.9	2749.7	2402.2	2076.3	1775.2	1498.0	1236.5	1006.0	802.9	606.8
10°	3562.6	3176.5	2801.5	2446.1	2113.0	1805.2	1523.4	1256.4	1022.3	815.6	615.1
7.5°	3616.0	3223.9	2841.4	2480.0	2142.1	1830.3	1544.9	1273.6	1035.4	825.4	620.9
5°	3656.4	3261.0	2876.1	2508.3	2168.9	1850.5	1560.6	1285.9	1044.9	832.1	624.2
2.5°	3692.3	3288.7	2903.3	2526.7	2187.1	1863.7	1570.1	1293.3	1050.7	835.7	624.9
0°	3712.6	3302.2	2918.4	2534.6	2196.4	1869.6	1573.2	1295.8	1052.6	836.0	623.2
-2.5°	3692.3	3288.7	2903.3	2526.7	2187.1	1863.7	1570.1	1293.3	1050.7	835.7	624.9
-5°	3656.4	3261.0	2876.1	2508.3	2168.9	1850.5	1560.6	1285.9	1044.9	832.1	624.2
-7.5°	3616.0	3223.9	2841.4	2480.0	2142.1	1830.3	1544.9	1273.6	1035.4	825.4	620.9
-10°	3562.6	3176.5	2801.5	2446.1	2113.0	1805.2	1523.4	1256.4	1022.3	815.6	615.1
-12.5°	3494.0	3115.9	2749.7	2402.2	2076.3	1775.2	1498.0	1236.5	1006.0	802.9	606.8
-15°	3410.8	3042.6	2686.3	2348.6	2030.9	1738.4	1466.8	1212.8	988.7	788.1	596.1
-17.5°	3313.9	2957.1	2611.7	2285.4	1977.1	1694.9	1430.0	1184.6	967.9	771.8	584.7
-20°	3209.5	2863.1	2527.1	2213.0	1914.9	1645.0	1387.6	1151.8	943.5	753.0	572.7



REPORT NUMBER: P627551 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	3093.6	2760.2	2438.6	2135.6	1848.1	1588.8	1339.9	1114.7	915.8	732.0	559.1
-25°	2966.2	2646.0	2339.7	2050.1	1779.4	1529.8	1290.4	1073.3	884.8	708.8	544.0
-27.5°	2830.3	2523.0	2230.6	1957.4	1705.3	1465.5	1239.6	1034.4	852.0	683.6	527.4
-30°	2684.5	2395.1	2120.0	1861.0	1625.4	1397.7	1184.4	992.4	819.8	659.4	509.7
-32.5°	2526.3	2257.0	2004.5	1767.8	1544.1	1326.2	1126.0	947.1	785.9	635.9	494.3
-35°	2365.3	2119.5	1884.0	1669.2	1460.2	1258.0	1067.7	898.6	750.4	611.6	479.1
-37.5°	2198.7	1978.8	1771.8	1569.2	1372.4	1185.7	1011.0	852.8	713.4	586.5	462.7
-40°	2041.3	1838.8	1650.4	1469.9	1287.0	1109.4	950.6	807.4	681.3	560.8	445.4
-42.5°	1879.4	1702.2	1532.3	1365.9	1199.9	1038.8	887.6	758.9	647.5	537.9	427.0
-45°	1727.2	1566.1	1414.0	1264.4	1110.7	964.6	830.8	709.2	611.5	515.8	407.7
-47.5°	1574.9	1437.1	1299.7	1161.4	1025.5	889.9	770.9	667.0	573.7	492.8	386.7
-50°	1436.0	1312.3	1188.8	1062.3	935.5	820.7	711.7	622.9	540.4	463.1	363.9
-52.5°	1302.4	1194.6	1079.4	962.2	853.2	748.4	661.0	577.8	506.0	430.4	339.4
-55°	1174.8	1076.6	969.3	867.8	770.5	686.8	608.5	538.6	470.5	396.0	313.5
-57.5°	1047.3	956.2	865.4	775.4	696.0	625.7	560.8	498.2	432.0	360.7	288.7
-60°	921.5	844.0	763.2	692.0	625.9	567.3	515.6	456.2	392.1	324.9	260.0
-62.5°	802.0	733.9	673.1	612.2	558.3	511.9	469.3	411.9	351.4	288.5	229.1
-65°	688.4	635.0	583.7	535.9	492.6	454.4	419.0	366.9	308.0	250.8	198.0
-67.5°	578.0	538.0	497.6	458.9	427.0	396.5	366.3	316.7	262.6	211.7	168.3
-70°	478.0	444.2	414.0	388.2	362.9	337.0	305.7	263.0	215.8	175.5	137.7
-72.5°	379.6	357.0	336.9	317.9	296.9	272.2	243.7	209.0	172.8	138.5	106.4
-75°	282.4	273.0	263.0	249.5	230.1	208.0	185.6	158.7	128.9	100.7	80.3
-77.5°	204.8	199.0	191.8	183.7	168.6	151.0	130.6	107.6	88.1	72.4	56.0
-80°	135.5	134.0	130.8	124.7	110.4	94.4	82.3	69.8	57.6	44.8	31.5
-82.5°	75.0	75.8	75.7	73.5	64.9	55.8	46.2	36.4	26.9	17.1	13.7
-85°	35.9	35.1	33.2	30.1	23.7	17.0	14.9	12.8	11.6	10.4	9.1
-87.5°	10.9	11.0	11.0	10.9	9.7	8.5	7.5	6.4	5.8	5.2	4.6
-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):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.9	3.3	2.6	2.0	1.3	0.6	0.0
85°	7.9	6.6	5.3	4.0	2.6	1.2	0.0
82.5°	11.8	9.8	7.9	5.9	4.0	1.7	0.0
80°	17.7	13.1	10.5	7.9	5.3	2.3	0.0
77.5°	38.6	20.5	13.1	9.8	6.5	2.9	0.0
75°	58.9	35.5	17.1	11.8	7.8	3.4	0.0
72.5°	78.7	50.1	27.2	13.7	9.0	4.0	0.0
70°	98.4	64.1	37.0	16.4	10.2	4.5	0.0
67.5°	122.1	77.6	46.4	22.4	11.4	5.0	0.0
65°	144.7	92.6	55.4	28.3	12.5	5.5	0.0
62.5°	166.2	109.1	63.9	33.8	13.6	6.0	0.0
60°	186.5	124.8	72.0	39.1	14.7	6.5	0.0
57.5°	207.8	139.4	82.6	44.0	17.6	7.0	0.0
55°	228.0	153.1	92.8	48.7	20.5	7.4	0.0
52.5°	246.7	166.0	102.3	52.9	23.3	7.9	0.0
50°	263.9	179.8	111.0	56.8	26.0	8.3	0.0
47.5°	280.0	192.3	118.9	60.9	28.5	8.6	0.0
45°	297.8	203.6	126.1	66.1	30.9	9.0	0.0
42.5°	314.2	213.7	132.4	70.9	33.2	9.4	0.0
40°	329.1	222.5	138.8	75.8	35.3	9.7	0.0
37.5°	342.4	230.0	145.1	80.6	37.3	10.0	0.0
35°	354.1	238.7	150.5	85.1	39.2	10.2	0.0
32.5°	365.0	247.4	155.0	89.3	40.9	10.5	0.0
30°	376.3	254.8	158.7	93.1	42.5	10.7	0.0
27.5°	386.4	261.0	164.1	96.5	43.9	10.9	0.0
25°	395.3	265.8	169.2	99.6	45.2	11.1	0.0
22.5°	403.0	270.7	173.7	102.3	46.3	11.2	0.0
20°	409.3	277.5	177.5	104.7	47.3	11.3	0.0
17.5°	417.2	282.9	180.8	106.6	48.1	11.4	0.0
15°	425.4	287.2	183.4	108.2	48.7	11.5	0.0
12.5°	432.0	290.3	185.4	109.5	49.2	11.5	0.0
10°	437.1	292.2	186.8	110.4	49.5	11.6	0.0
7.5°	440.6	293.0	187.5	110.9	49.7	11.5	0.0
5°	442.4	292.7	187.7	111.0	49.8	11.5	0.0
2.5°	442.5	291.2	187.2	110.8	49.7	11.5	0.0
0°	440.8	288.8	186.2	110.2	49.4	11.4	0.0
-2.5°	442.5	291.2	187.2	110.8	49.7	11.5	0.0
-5°	442.4	292.7	187.7	111.0	49.8	11.5	0.0
-7.5°	440.6	293.0	187.5	110.9	49.7	11.5	0.0
-10°	437.1	292.2	186.8	110.4	49.5	11.6	0.0
-12.5°	432.0	290.3	185.4	109.5	49.2	11.5	0.0
-15°	425.4	287.2	183.4	108.2	48.7	11.5	0.0
-17.5°	417.2	282.9	180.8	106.6	48.1	11.4	0.0
-20°	409.3	277.5	177.5	104.7	47.3	11.3	0.0

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REPORT NUMBER: P627551 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5B-722-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	403.0	270.7	173.7	102.3	46.3	11.2	0.0
-25°	395.3	265.8	169.2	99.6	45.2	11.1	0.0
-27.5°	386.4	261.0	164.1	96.5	43.9	10.9	0.0
-30°	376.3	254.8	158.7	93.1	42.5	10.7	0.0
-32.5°	365.0	247.4	155.0	89.3	40.9	10.5	0.0
-35°	354.1	238.7	150.5	85.1	39.2	10.2	0.0
-37.5°	342.4	230.0	145.1	80.6	37.3	10.0	0.0
-40°	329.1	222.5	138.8	75.8	35.3	9.7	0.0
-42.5°	314.2	213.7	132.4	70.9	33.2	9.4	0.0
-45°	297.8	203.6	126.1	66.1	30.9	9.0	0.0
-47.5°	280.0	192.3	118.9	60.9	28.5	8.6	0.0
-50°	263.9	179.8	111.0	56.8	26.0	8.3	0.0
-52.5°	246.7	166.0	102.3	52.9	23.3	7.9	0.0
-55°	228.0	153.1	92.8	48.7	20.5	7.4	0.0
-57.5°	207.8	139.4	82.6	44.0	17.6	7.0	0.0
-60°	186.5	124.8	72.0	39.1	14.7	6.5	0.0
-62.5°	166.2	109.1	63.9	33.8	13.6	6.0	0.0
-65°	144.7	92.6	55.4	28.3	12.5	5.5	0.0
-67.5°	122.1	77.6	46.4	22.4	11.4	5.0	0.0
-70°	98.4	64.1	37.0	16.4	10.2	4.5	0.0
-72.5°	78.7	50.1	27.2	13.7	9.0	4.0	0.0
-75°	58.9	35.5	17.1	11.8	7.8	3.4	0.0
-77.5°	38.6	20.5	13.1	9.8	6.5	2.9	0.0
-80°	17.7	13.1	10.5	7.9	5.3	2.3	0.0
-82.5°	11.8	9.8	7.9	5.9	4.0	1.7	0.0
-85°	7.9	6.6	5.3	4.0	2.6	1.2	0.0
-87.5°	3.9	3.3	2.6	2.0	1.3	0.6	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)