

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: P627651 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5C-740-U-VWR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P627651 (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-SA5C-740-U-VWR-XX
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N126
Light Source: (80) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

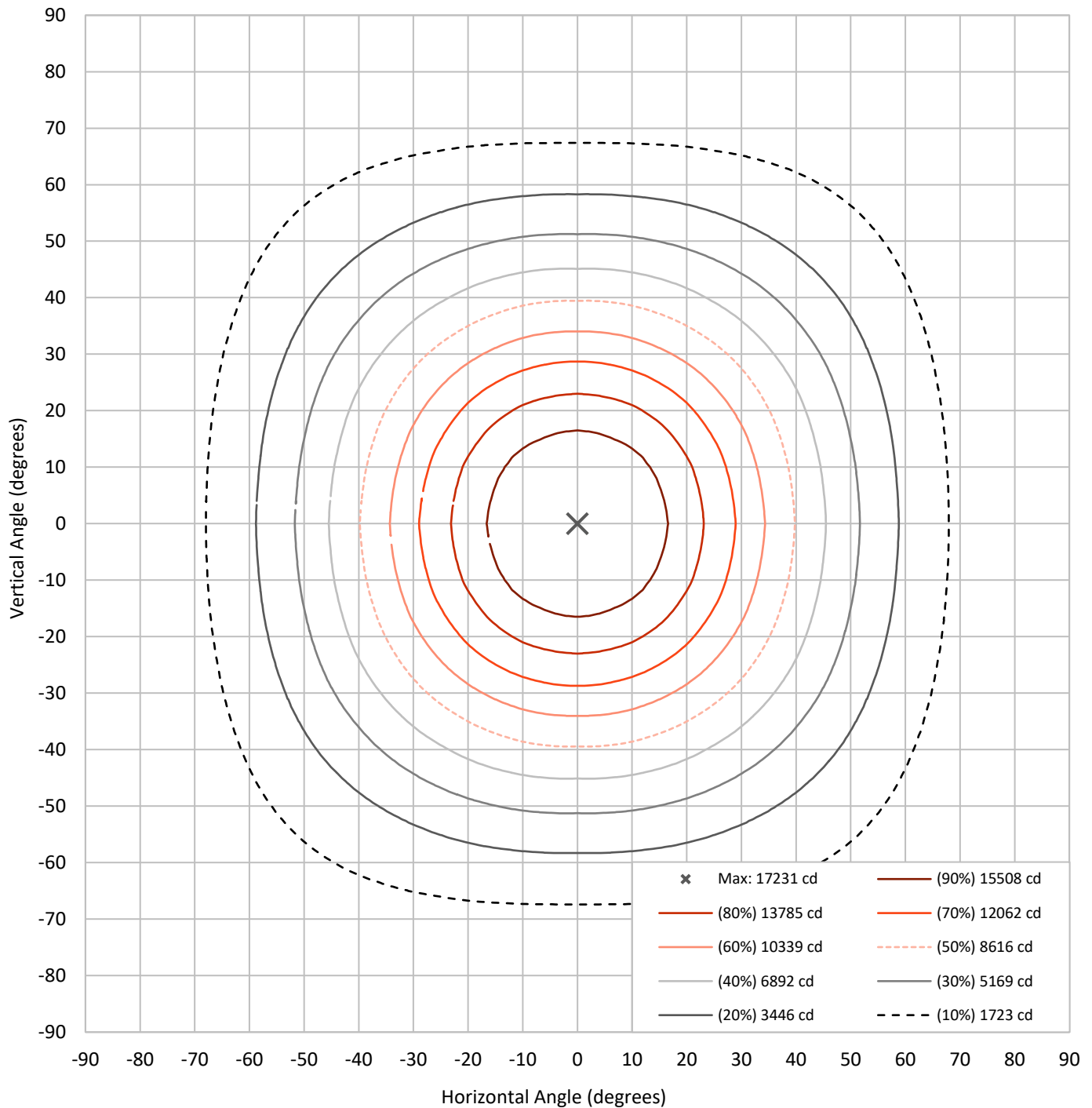
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	31143.6 lumens	Max Intensity:	17231 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	151.1 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:	18265.9 lumens	Field Lumens:	29690 lumens
Beam Efficiency:	58.7%	Field Efficiency:	95.3%
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		



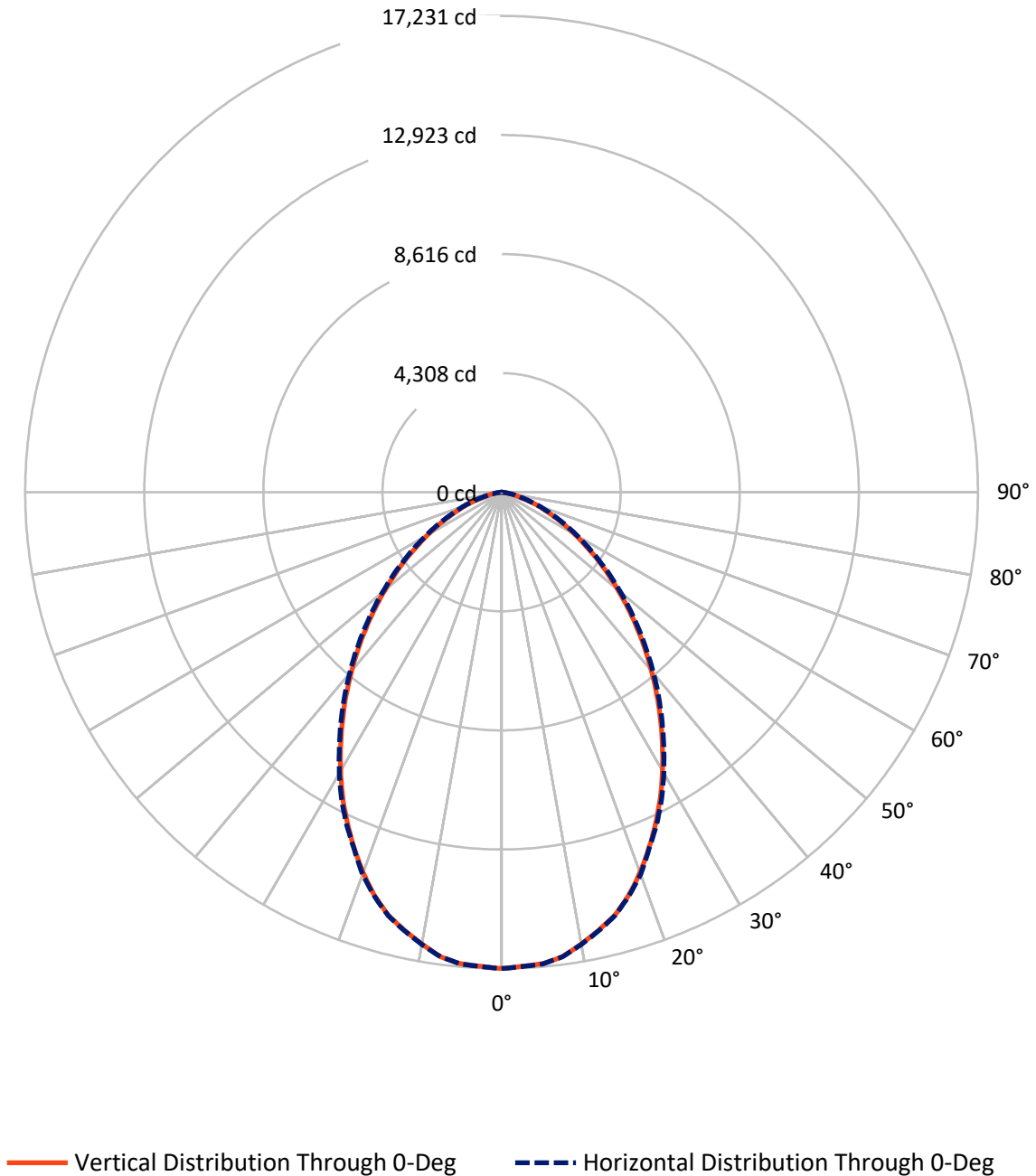
REPORT NUMBER: P627651 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA5C-740-U-VWR-XX

Iso-Candela Plot



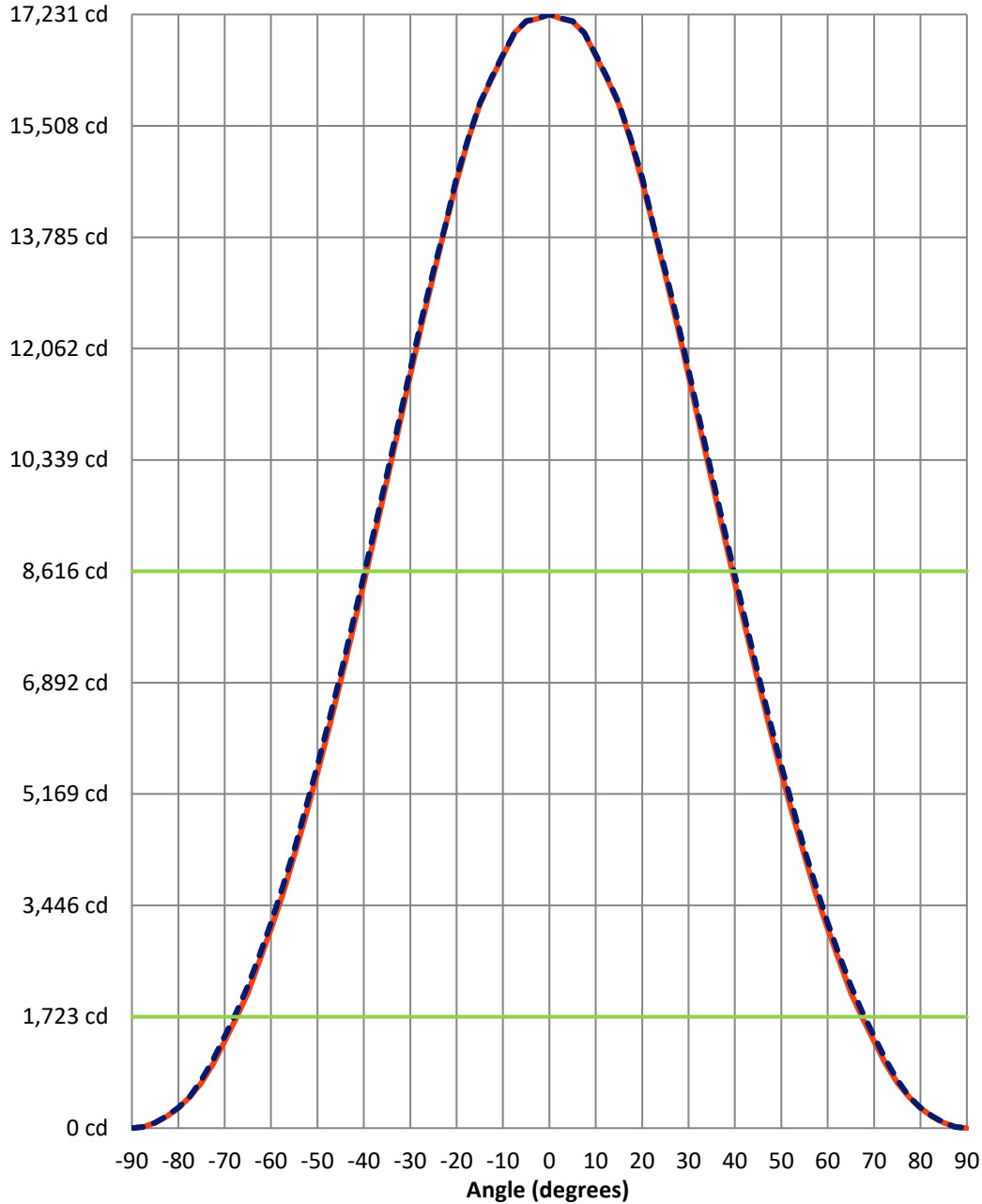
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 79.6°
 V Angle: 78.9°
 Lumens: 18265.9
 Efficiency: 58.7%

Field:
 H Angle: 135.9°
 V Angle: 134.8°
 Lumens: 29690
 Efficiency: 95.3%

Spill:
 Lumens: 1453.5
 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	1.0	2.2	3.4	4.5	5.6	6.7	7.8	8.8	9.9	10.9
85°	0.0	2.0	4.5	6.7	8.9	11.2	13.3	15.5	17.6	19.7	21.8
82.5°	0.0	2.9	6.7	10.1	13.4	16.7	20.0	23.2	29.1	45.8	61.8
80°	0.0	3.9	8.9	13.4	17.8	22.2	30.1	53.5	76.1	97.9	118.7
77.5°	0.0	4.9	11.1	16.7	22.2	34.9	65.5	95.1	123.0	149.7	182.8
75°	0.0	5.8	13.2	20.0	29.0	60.3	100.2	136.4	171.2	219.1	269.8
72.5°	0.0	6.7	15.3	23.2	46.2	85.1	133.7	180.8	235.4	293.6	355.3
70°	0.0	7.7	17.4	27.8	62.9	109.0	167.2	234.0	298.3	366.8	447.0
67.5°	0.0	8.6	19.4	38.1	78.9	131.9	207.5	286.0	359.8	446.4	538.2
65°	0.0	9.4	21.3	48.0	94.2	157.5	246.0	336.6	426.2	523.5	623.6
62.5°	0.0	10.3	23.1	57.5	108.7	185.5	282.5	389.4	490.4	597.3	700.0
60°	0.0	11.1	24.9	66.4	122.3	212.1	317.0	441.9	552.2	666.3	775.4
57.5°	0.0	11.9	30.0	74.8	140.5	237.0	353.2	490.7	613.1	734.2	846.8
55°	0.0	12.6	34.9	82.7	157.8	260.2	387.6	532.9	673.0	799.7	915.3
52.5°	0.0	13.4	39.6	89.9	173.9	282.2	419.4	576.8	731.5	860.0	982.1
50°	0.0	14.0	44.1	96.6	188.7	305.5	448.5	618.5	787.1	918.5	1058.7
47.5°	0.0	14.7	48.4	103.4	202.2	326.9	475.8	657.2	837.5	975.1	1133.7
45°	0.0	15.3	52.5	112.4	214.3	346.1	506.2	692.9	876.7	1039.3	1205.4
42.5°	0.0	15.9	56.4	120.6	225.1	363.2	534.0	725.8	914.2	1100.6	1289.9
40°	0.0	16.4	60.1	128.9	235.9	378.2	559.2	756.9	953.1	1158.0	1372.3
37.5°	0.0	16.9	63.5	137.1	246.6	390.9	581.9	786.4	996.8	1212.5	1449.4
35°	0.0	17.4	66.6	144.7	255.8	405.7	601.8	814.2	1039.5	1275.3	1527.2
32.5°	0.0	17.8	69.6	151.8	263.5	420.4	620.2	840.2	1080.8	1335.6	1609.6
30°	0.0	18.2	72.2	158.2	269.7	433.1	639.5	866.3	1120.8	1393.3	1686.6
27.5°	0.0	18.5	74.7	164.1	278.9	443.5	656.7	896.5	1161.8	1448.1	1758.0
25°	0.0	18.8	76.8	169.3	287.6	451.8	671.9	924.5	1204.7	1503.8	1824.2
22.5°	0.0	19.1	78.7	173.9	295.2	460.1	684.9	950.2	1244.1	1556.5	1894.5
20°	0.0	19.3	80.3	177.9	301.8	471.5	695.6	973.4	1279.9	1603.6	1957.6
17.5°	0.0	19.4	81.7	181.3	307.3	480.9	709.0	993.7	1311.8	1645.0	2013.3
15°	0.0	19.5	82.8	184.0	311.7	488.1	723.0	1013.1	1339.5	1680.4	2061.3
12.5°	0.0	19.6	83.7	186.1	315.1	493.4	734.3	1031.4	1364.6	1709.9	2101.4
10°	0.0	19.7	84.2	187.6	317.5	496.6	743.0	1045.4	1386.2	1737.5	2135.3
7.5°	0.0	19.6	84.6	188.4	318.8	497.9	748.8	1055.3	1402.8	1759.8	2164.5
5°	0.0	19.6	84.6	188.7	319.0	497.4	751.9	1060.8	1414.3	1775.9	2185.5
2.5°	0.0	19.5	84.4	188.3	318.3	495.0	752.0	1062.2	1420.3	1785.7	2198.1
0°	0.0	19.4	84.0	187.3	316.5	490.8	749.2	1059.2	1420.8	1789.0	2202.3
-2.5°	0.0	19.5	84.4	188.3	318.3	495.0	752.0	1062.2	1420.3	1785.7	2198.1
-5°	0.0	19.6	84.6	188.7	319.0	497.4	751.9	1060.8	1414.3	1775.9	2185.5
-7.5°	0.0	19.6	84.6	188.4	318.8	497.9	748.8	1055.3	1402.8	1759.8	2164.5
-10°	0.0	19.7	84.2	187.6	317.5	496.6	743.0	1045.4	1386.2	1737.5	2135.3
-12.5°	0.0	19.6	83.7	186.1	315.1	493.4	734.3	1031.4	1364.6	1709.9	2101.4
-15°	0.0	19.5	82.8	184.0	311.7	488.1	723.0	1013.1	1339.5	1680.4	2061.3
-17.5°	0.0	19.4	81.7	181.3	307.3	480.9	709.0	993.7	1311.8	1645.0	2013.3
-20°	0.0	19.3	80.3	177.9	301.8	471.5	695.6	973.4	1279.9	1603.6	1957.6

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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	19.1	78.7	173.9	295.2	460.1	684.9	950.2	1244.1	1556.5	1894.5
-25°	0.0	18.8	76.8	169.3	287.6	451.8	671.9	924.5	1204.7	1503.8	1824.2
-27.5°	0.0	18.5	74.7	164.1	278.9	443.5	656.7	896.5	1161.8	1448.1	1758.0
-30°	0.0	18.2	72.2	158.2	269.7	433.1	639.5	866.3	1120.8	1393.3	1686.6
-32.5°	0.0	17.8	69.6	151.8	263.5	420.4	620.2	840.2	1080.8	1335.6	1609.6
-35°	0.0	17.4	66.6	144.7	255.8	405.7	601.8	814.2	1039.5	1275.3	1527.2
-37.5°	0.0	16.9	63.5	137.1	246.6	390.9	581.9	786.4	996.8	1212.5	1449.4
-40°	0.0	16.4	60.1	128.9	235.9	378.2	559.2	756.9	953.1	1158.0	1372.3
-42.5°	0.0	15.9	56.4	120.6	225.1	363.2	534.0	725.8	914.2	1100.6	1289.9
-45°	0.0	15.3	52.5	112.4	214.3	346.1	506.2	692.9	876.7	1039.3	1205.4
-47.5°	0.0	14.7	48.4	103.4	202.2	326.9	475.8	657.2	837.5	975.1	1133.7
-50°	0.0	14.0	44.1	96.6	188.7	305.5	448.5	618.5	787.1	918.5	1058.7
-52.5°	0.0	13.4	39.6	89.9	173.9	282.2	419.4	576.8	731.5	860.0	982.1
-55°	0.0	12.6	34.9	82.7	157.8	260.2	387.6	532.9	673.0	799.7	915.3
-57.5°	0.0	11.9	30.0	74.8	140.5	237.0	353.2	490.7	613.1	734.2	846.8
-60°	0.0	11.1	24.9	66.4	122.3	212.1	317.0	441.9	552.2	666.3	775.4
-62.5°	0.0	10.3	23.1	57.5	108.7	185.5	282.5	389.4	490.4	597.3	700.0
-65°	0.0	9.4	21.3	48.0	94.2	157.5	246.0	336.6	426.2	523.5	623.6
-67.5°	0.0	8.6	19.4	38.1	78.9	131.9	207.5	286.0	359.8	446.4	538.2
-70°	0.0	7.7	17.4	27.8	62.9	109.0	167.2	234.0	298.3	366.8	447.0
-72.5°	0.0	6.7	15.3	23.2	46.2	85.1	133.7	180.8	235.4	293.6	355.3
-75°	0.0	5.8	13.2	20.0	29.0	60.3	100.2	136.4	171.2	219.1	269.8
-77.5°	0.0	4.9	11.1	16.7	22.2	34.9	65.5	95.1	123.0	149.7	182.8
-80°	0.0	3.9	8.9	13.4	17.8	22.2	30.1	53.5	76.1	97.9	118.7
-82.5°	0.0	2.9	6.7	10.1	13.4	16.7	20.0	23.2	29.1	45.8	61.8
-85°	0.0	2.0	4.5	6.7	8.9	11.2	13.3	15.5	17.6	19.7	21.8
-87.5°	0.0	1.0	2.2	3.4	4.5	5.6	6.7	7.8	8.8	9.9	10.9
-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: P627651 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5C-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°	12.7	14.5	16.5	18.5	18.7	18.7	18.5	18.3	19.0	19.8	20.5
85°	25.2	29.0	40.2	51.1	56.4	59.6	61.0	60.8	70.7	82.2	94.6
82.5°	78.6	94.8	110.2	124.9	128.7	128.8	127.6	128.0	151.2	177.8	205.1
80°	140.0	160.5	187.7	211.9	222.4	227.8	230.3	229.9	259.3	298.4	339.6
77.5°	222.0	256.6	286.6	312.2	326.0	338.2	348.1	355.8	393.6	443.1	492.2
75°	315.5	353.4	391.1	424.0	446.9	464.0	479.9	505.5	554.9	612.7	662.9
72.5°	414.1	462.5	504.6	540.2	572.5	606.8	645.1	687.1	739.3	797.0	849.5
70°	519.5	572.7	616.7	659.7	703.7	755.0	812.5	869.1	927.3	991.0	1052.2
67.5°	622.5	673.9	725.8	780.0	845.8	914.4	982.4	1060.4	1140.3	1210.9	1274.2
65°	712.1	772.4	837.2	910.8	992.0	1079.2	1170.0	1263.5	1364.8	1449.6	1527.0
62.5°	797.6	870.0	948.8	1040.5	1144.1	1247.4	1363.1	1480.3	1594.2	1694.2	1786.7
60°	876.4	964.1	1063.8	1176.1	1297.1	1434.4	1566.2	1699.4	1824.4	1937.7	2054.5
57.5°	953.1	1063.4	1183.0	1317.9	1470.8	1625.1	1780.0	1923.3	2064.8	2202.8	2335.0
55°	1034.2	1167.2	1309.5	1475.0	1647.3	1829.8	1996.7	2156.6	2312.5	2480.0	2639.2
52.5°	1123.4	1272.1	1450.1	1635.3	1834.5	2030.3	2213.6	2395.8	2584.3	2773.8	2981.0
50°	1209.6	1394.9	1590.0	1805.4	2020.5	2230.3	2440.6	2650.4	2876.2	3108.7	3343.5
47.5°	1310.2	1512.4	1742.9	1973.9	2209.0	2442.5	2676.7	2930.3	3186.9	3456.5	3716.2
45°	1412.1	1639.4	1887.7	2149.0	2403.2	2661.7	2935.6	3216.0	3516.7	3813.2	4125.7
42.5°	1508.6	1765.6	2039.3	2321.5	2604.3	2893.0	3194.2	3521.7	3850.4	4192.3	4535.7
40°	1615.5	1885.5	2187.4	2498.3	2805.0	3125.2	3469.4	3824.1	4196.0	4572.0	4944.9
37.5°	1718.3	2015.2	2332.5	2667.0	3011.3	3363.1	3736.9	4139.5	4542.8	4947.5	5358.7
35°	1814.6	2138.1	2481.7	2836.9	3202.0	3602.2	4020.1	4449.8	4886.8	5324.5	5766.8
32.5°	1913.6	2253.9	2624.4	3004.5	3406.8	3836.0	4293.6	4759.4	5224.8	5692.1	6176.3
30°	2012.9	2375.5	2762.5	3162.9	3603.1	4070.7	4562.5	5055.9	5548.2	6062.4	6578.4
27.5°	2106.7	2490.8	2898.2	3326.7	3791.1	4288.0	4810.3	5338.8	5869.7	6416.4	6966.8
25°	2193.1	2600.0	3024.2	3484.3	3976.6	4497.1	5041.2	5592.7	6174.9	6759.9	7334.6
22.5°	2277.3	2700.3	3140.9	3629.5	4144.6	4691.2	5257.9	5840.2	6448.6	7076.8	7671.6
20°	2358.4	2795.8	3254.4	3761.1	4295.1	4866.0	5454.8	6064.6	6702.8	7347.9	7987.6
17.5°	2430.4	2880.7	3360.2	3884.2	4438.7	5025.8	5632.2	6262.1	6928.7	7597.3	8275.2
15°	2493.0	2954.6	3451.7	3991.5	4565.7	5171.1	5796.8	6444.6	7128.4	7824.7	8529.4
12.5°	2546.0	3017.2	3528.8	4082.8	4673.4	5295.7	5938.4	6608.9	7311.1	8026.9	8752.0
10°	2589.1	3068.2	3591.2	4157.4	4761.3	5398.7	6054.8	6744.3	7467.6	8198.9	8939.3
7.5°	2625.7	3110.7	3640.7	4214.9	4829.1	5479.3	6145.6	6849.9	7592.2	8333.0	9089.7
5°	2652.4	3145.1	3686.2	4263.1	4888.1	5542.3	6214.3	6925.2	7683.3	8428.5	9198.8
2.5°	2668.4	3167.5	3717.1	4294.4	4934.4	5589.4	6275.4	6991.7	7750.1	8504.3	9280.8
0°	2673.8	3177.5	3733.0	4307.8	4960.0	5612.3	6309.9	7026.7	7782.4	8550.9	9332.4
-2.5°	2668.4	3167.5	3717.1	4294.4	4934.4	5589.4	6275.4	6991.7	7750.1	8504.3	9280.8
-5°	2652.4	3145.1	3686.2	4263.1	4888.1	5542.3	6214.3	6925.2	7683.3	8428.5	9198.8
-7.5°	2625.7	3110.7	3640.7	4214.9	4829.1	5479.3	6145.6	6849.9	7592.2	8333.0	9089.7
-10°	2589.1	3068.2	3591.2	4157.4	4761.3	5398.7	6054.8	6744.3	7467.6	8198.9	8939.3
-12.5°	2546.0	3017.2	3528.8	4082.8	4673.4	5295.7	5938.4	6608.9	7311.1	8026.9	8752.0
-15°	2493.0	2954.6	3451.7	3991.5	4565.7	5171.1	5796.8	6444.6	7128.4	7824.7	8529.4
-17.5°	2430.4	2880.7	3360.2	3884.2	4438.7	5025.8	5632.2	6262.1	6928.7	7597.3	8275.2
-20°	2358.4	2795.8	3254.4	3761.1	4295.1	4866.0	5454.8	6064.6	6702.8	7347.9	7987.6

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Scaled Data Report



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	2277.3	2700.3	3140.9	3629.5	4144.6	4691.2	5257.9	5840.2	6448.6	7076.8	7671.6
-25°	2193.1	2600.0	3024.2	3484.3	3976.6	4497.1	5041.2	5592.7	6174.9	6759.9	7334.6
-27.5°	2106.7	2490.8	2898.2	3326.7	3791.1	4288.0	4810.3	5338.8	5869.7	6416.4	6966.8
-30°	2012.9	2375.5	2762.5	3162.9	3603.1	4070.7	4562.5	5055.9	5548.2	6062.4	6578.4
-32.5°	1913.6	2253.9	2624.4	3004.5	3406.8	3836.0	4293.6	4759.4	5224.8	5692.1	6176.3
-35°	1814.6	2138.1	2481.7	2836.9	3202.0	3602.2	4020.1	4449.8	4886.8	5324.5	5766.8
-37.5°	1718.3	2015.2	2332.5	2667.0	3011.3	3363.1	3736.9	4139.5	4542.8	4947.5	5358.7
-40°	1615.5	1885.5	2187.4	2498.3	2805.0	3125.2	3469.4	3824.1	4196.0	4572.0	4944.9
-42.5°	1508.6	1765.6	2039.3	2321.5	2604.3	2893.0	3194.2	3521.7	3850.4	4192.3	4535.7
-45°	1412.1	1639.4	1887.7	2149.0	2403.2	2661.7	2935.6	3216.0	3516.7	3813.2	4125.7
-47.5°	1310.2	1512.4	1742.9	1973.9	2209.0	2442.5	2676.7	2930.3	3186.9	3456.5	3716.2
-50°	1209.6	1394.9	1590.0	1805.4	2020.5	2230.3	2440.6	2650.4	2876.2	3108.7	3343.5
-52.5°	1123.4	1272.1	1450.1	1635.3	1834.5	2030.3	2213.6	2395.8	2584.3	2773.8	2981.0
-55°	1034.2	1167.2	1309.5	1475.0	1647.3	1829.8	1996.7	2156.6	2312.5	2480.0	2639.2
-57.5°	953.1	1063.4	1183.0	1317.9	1470.8	1625.1	1780.0	1923.3	2064.8	2202.8	2335.0
-60°	876.4	964.1	1063.8	1176.1	1297.1	1434.4	1566.2	1699.4	1824.4	1937.7	2054.5
-62.5°	797.6	870.0	948.8	1040.5	1144.1	1247.4	1363.1	1480.3	1594.2	1694.2	1786.7
-65°	712.1	772.4	837.2	910.8	992.0	1079.2	1170.0	1263.5	1364.8	1449.6	1527.0
-67.5°	622.5	673.9	725.8	780.0	845.8	914.4	982.4	1060.4	1140.3	1210.9	1274.2
-70°	519.5	572.7	616.7	659.7	703.7	755.0	812.5	869.1	927.3	991.0	1052.2
-72.5°	414.1	462.5	504.6	540.2	572.5	606.8	645.1	687.1	739.3	797.0	849.5
-75°	315.5	353.4	391.1	424.0	446.9	464.0	479.9	505.5	554.9	612.7	662.9
-77.5°	222.0	256.6	286.6	312.2	326.0	338.2	348.1	355.8	393.6	443.1	492.2
-80°	140.0	160.5	187.7	211.9	222.4	227.8	230.3	229.9	259.3	298.4	339.6
-82.5°	78.6	94.8	110.2	124.9	128.7	128.8	127.6	128.0	151.2	177.8	205.1
-85°	25.2	29.0	40.2	51.1	56.4	59.6	61.0	60.8	70.7	82.2	94.6
-87.5°	12.7	14.5	16.5	18.5	18.7	18.7	18.5	18.3	19.0	19.8	20.5
-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: P627651 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5C-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°	21.1	21.8	22.3	22.9	23.4	23.8	24.2	24.6	24.9	23.6	22.3
85°	107.9	115.5	122.6	129.5	136.0	142.1	147.9	153.2	158.2	144.5	129.3
82.5°	233.0	251.7	269.5	287.2	304.7	309.1	310.5	309.8	307.4	283.3	256.6
80°	380.3	412.0	441.8	471.4	500.6	503.9	500.6	494.5	486.0	454.4	418.6
77.5°	541.1	581.0	615.9	647.8	676.9	682.4	681.6	680.1	677.7	645.5	606.5
75°	706.0	744.9	782.5	814.5	841.2	853.4	859.5	863.7	866.0	842.9	812.6
72.5°	897.1	937.7	970.8	1001.9	1028.1	1047.1	1060.8	1071.1	1078.1	1071.1	1058.7
70°	1104.5	1148.0	1184.6	1219.6	1255.3	1283.9	1305.4	1321.0	1331.0	1337.5	1342.0
67.5°	1338.0	1396.4	1447.4	1490.9	1534.0	1574.3	1607.5	1634.6	1655.6	1673.4	1687.0
65°	1601.1	1675.7	1741.9	1802.7	1858.4	1917.0	1965.1	2005.4	2037.9	2064.8	2086.3
62.5°	1877.7	1969.2	2054.2	2136.6	2217.4	2297.0	2358.1	2413.7	2463.2	2505.7	2539.5
60°	2165.1	2269.1	2383.2	2492.0	2592.2	2683.7	2774.6	2853.4	2920.7	2976.6	3021.7
57.5°	2474.1	2608.7	2742.0	2877.3	3005.0	3124.6	3236.5	3335.2	3418.6	3487.1	3544.5
55°	2807.9	2976.3	3130.9	3301.5	3466.2	3616.3	3748.4	3864.5	3964.9	4049.0	4120.4
52.5°	3174.8	3379.4	3580.3	3774.4	3961.5	4135.5	4293.7	4428.9	4549.1	4652.2	4734.4
50°	3576.4	3810.5	4043.3	4259.1	4474.1	4674.7	4856.0	5012.9	5152.8	5273.9	5369.3
47.5°	3996.3	4262.8	4522.7	4769.9	5007.8	5230.7	5427.0	5605.8	5780.3	5922.6	6035.1
45°	4432.3	4731.3	5018.1	5300.6	5562.6	5812.5	6054.7	6277.4	6456.4	6613.2	6744.9
42.5°	4873.7	5207.2	5528.4	5836.6	6124.7	6413.6	6686.1	6929.5	7133.7	7312.0	7461.6
40°	5320.8	5685.9	6039.8	6375.8	6705.2	7020.2	7314.9	7571.6	7801.9	8013.6	8189.9
37.5°	5765.7	6167.3	6559.3	6935.8	7298.4	7639.8	7958.1	8248.2	8508.1	8749.2	8945.1
35°	6212.5	6653.2	7082.3	7496.6	7892.7	8269.4	8617.9	8948.0	9254.3	9498.5	9698.9
32.5°	6657.6	7131.3	7598.4	8054.5	8488.0	8894.1	9271.7	9636.5	9951.5	10220.0	10450.3
30°	7088.3	7601.5	8110.1	8604.7	9073.0	9512.9	9931.1	10316.8	10655.6	10949.2	11207.6
27.5°	7510.9	8062.3	8608.0	9136.3	9642.7	10120.8	10577.2	10995.4	11365.1	11684.2	11956.6
25°	7910.4	8503.0	9084.7	9644.9	10185.8	10713.2	11205.9	11662.3	12057.2	12407.5	12687.4
22.5°	8292.0	8924.0	9535.3	10124.5	10703.1	11271.5	11811.0	12287.6	12706.1	13072.3	13382.1
20°	8647.6	9324.8	9950.2	10573.4	11182.8	11789.8	12369.0	12871.8	13314.7	13704.5	14046.0
17.5°	8979.9	9674.6	10333.1	10996.5	11638.8	12275.6	12864.0	13403.1	13880.8	14294.8	14652.5
15°	9261.3	9962.9	10682.0	11390.3	12067.6	12712.4	13300.4	13863.3	14393.8	14841.6	15204.2
12.5°	9489.1	10218.7	10968.9	11720.9	12437.2	13081.1	13696.7	14267.7	14825.0	15327.9	15661.3
10°	9683.3	10434.5	11209.0	11975.9	12701.8	13383.2	14052.4	14656.2	15203.7	15654.1	16026.4
7.5°	9851.2	10625.0	11411.6	12179.8	12903.2	13607.3	14296.1	14937.4	15490.1	15914.4	16246.5
5°	9975.0	10767.2	11569.0	12344.2	13077.8	13784.1	14476.1	15109.3	15648.9	16080.6	16442.8
2.5°	10063.6	10863.2	11670.8	12447.1	13197.0	13905.0	14614.3	15254.6	15777.1	16172.7	16519.4
0°	10120.3	10921.2	11734.9	12529.3	13265.5	13950.1	14712.2	15312.9	15855.4	16249.3	16611.0
-2.5°	10063.6	10863.2	11670.8	12447.1	13197.0	13905.0	14614.3	15254.6	15777.1	16172.7	16519.4
-5°	9975.0	10767.2	11569.0	12344.2	13077.8	13784.1	14476.1	15109.3	15648.9	16080.6	16442.8
-7.5°	9851.2	10625.0	11411.6	12179.8	12903.2	13607.3	14296.1	14937.4	15490.1	15914.4	16246.5
-10°	9683.3	10434.5	11209.0	11975.9	12701.8	13383.2	14052.4	14656.2	15203.7	15654.1	16026.4
-12.5°	9489.1	10218.7	10968.9	11720.9	12437.2	13081.1	13696.7	14267.7	14825.0	15327.9	15661.3
-15°	9261.3	9962.9	10682.0	11390.3	12067.6	12712.4	13300.4	13863.3	14393.8	14841.6	15204.2
-17.5°	8979.9	9674.6	10333.1	10996.5	11638.8	12275.6	12864.0	13403.1	13880.8	14294.8	14652.5
-20°	8647.6	9324.8	9950.2	10573.4	11182.8	11789.8	12369.0	12871.8	13314.7	13704.5	14046.0



REPORT NUMBER: P627651 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5C-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°	8292.0	8924.0	9535.3	10124.5	10703.1	11271.5	11811.0	12287.6	12706.1	13072.3	13382.1
-25°	7910.4	8503.0	9084.7	9644.9	10185.8	10713.2	11205.9	11662.3	12057.2	12407.5	12687.4
-27.5°	7510.9	8062.3	8608.0	9136.3	9642.7	10120.8	10577.2	10995.4	11365.1	11684.2	11956.6
-30°	7088.3	7601.5	8110.1	8604.7	9073.0	9512.9	9931.1	10316.8	10655.6	10949.2	11207.6
-32.5°	6657.6	7131.3	7598.4	8054.5	8488.0	8894.1	9271.7	9636.5	9951.5	10220.0	10450.3
-35°	6212.5	6653.2	7082.3	7496.6	7892.7	8269.4	8617.9	8948.0	9254.3	9498.5	9698.9
-37.5°	5765.7	6167.3	6559.3	6935.8	7298.4	7639.8	7958.1	8248.2	8508.1	8749.2	8945.1
-40°	5320.8	5685.9	6039.8	6375.8	6705.2	7020.2	7314.9	7571.6	7801.9	8013.6	8189.9
-42.5°	4873.7	5207.2	5528.4	5836.6	6124.7	6413.6	6686.1	6929.5	7133.7	7312.0	7461.6
-45°	4432.3	4731.3	5018.1	5300.6	5562.6	5812.5	6054.7	6277.4	6456.4	6613.2	6744.9
-47.5°	3996.3	4262.8	4522.7	4769.9	5007.8	5230.7	5427.0	5605.8	5780.3	5922.6	6035.1
-50°	3576.4	3810.5	4043.3	4259.1	4474.1	4674.7	4856.0	5012.9	5152.8	5273.9	5369.3
-52.5°	3174.8	3379.4	3580.3	3774.4	3961.5	4135.5	4293.7	4428.9	4549.1	4652.2	4734.4
-55°	2807.9	2976.3	3130.9	3301.5	3466.2	3616.3	3748.4	3864.5	3964.9	4049.0	4120.4
-57.5°	2474.1	2608.7	2742.0	2877.3	3005.0	3124.6	3236.5	3335.2	3418.6	3487.1	3544.5
-60°	2165.1	2269.1	2383.2	2492.0	2592.2	2683.7	2774.6	2853.4	2920.7	2976.6	3021.7
-62.5°	1877.7	1969.2	2054.2	2136.6	2217.4	2297.0	2358.1	2413.7	2463.2	2505.7	2539.5
-65°	1601.1	1675.7	1741.9	1802.7	1858.4	1917.0	1965.1	2005.4	2037.9	2064.8	2086.3
-67.5°	1338.0	1396.4	1447.4	1490.9	1534.0	1574.3	1607.5	1634.6	1655.6	1673.4	1687.0
-70°	1104.5	1148.0	1184.6	1219.6	1255.3	1283.9	1305.4	1321.0	1331.0	1337.5	1342.0
-72.5°	897.1	937.7	970.8	1001.9	1028.1	1047.1	1060.8	1071.1	1078.1	1071.1	1058.7
-75°	706.0	744.9	782.5	814.5	841.2	853.4	859.5	863.7	866.0	842.9	812.6
-77.5°	541.1	581.0	615.9	647.8	676.9	682.4	681.6	680.1	677.7	645.5	606.5
-80°	380.3	412.0	441.8	471.4	500.6	503.9	500.6	494.5	486.0	454.4	418.6
-82.5°	233.0	251.7	269.5	287.2	304.7	309.1	310.5	309.8	307.4	283.3	256.6
-85°	107.9	115.5	122.6	129.5	136.0	142.1	147.9	153.2	158.2	144.5	129.3
-87.5°	21.1	21.8	22.3	22.9	23.4	23.8	24.2	24.6	24.9	23.6	22.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P627651 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5C-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°	20.8	19.3	19.4	19.4	19.4	19.3	20.8	22.3	23.6	24.9	24.6
85°	113.2	96.4	90.3	84.0	90.3	96.4	113.2	129.3	144.5	158.2	153.2
82.5°	228.7	199.5	190.3	180.8	190.3	199.5	228.7	256.6	283.3	307.4	309.8
80°	380.9	341.4	325.9	310.0	325.9	341.4	380.9	418.6	454.4	486.0	494.5
77.5°	565.2	521.9	503.4	484.4	503.4	521.9	565.2	606.5	645.5	677.7	680.1
75°	780.6	746.6	726.1	704.0	726.1	746.6	780.6	812.6	842.9	866.0	863.7
72.5°	1044.5	1027.9	1012.9	994.6	1012.9	1027.9	1044.5	1058.7	1071.1	1078.1	1071.1
70°	1343.6	1341.5	1344.1	1343.3	1344.1	1341.5	1343.6	1342.0	1337.5	1331.0	1321.0
67.5°	1694.1	1694.5	1701.8	1705.0	1701.8	1694.5	1694.1	1687.0	1673.4	1655.6	1634.6
65°	2099.6	2104.6	2102.7	2092.5	2102.7	2104.6	2099.6	2086.3	2064.8	2037.9	2005.4
62.5°	2563.6	2577.5	2585.2	2583.4	2585.2	2577.5	2563.6	2539.5	2505.7	2463.2	2413.7
60°	3055.4	3077.2	3088.2	3087.1	3088.2	3077.2	3055.4	3021.7	2976.6	2920.7	2853.4
57.5°	3587.4	3615.4	3621.9	3610.2	3621.9	3615.4	3587.4	3544.5	3487.1	3418.6	3335.2
55°	4174.2	4210.1	4223.9	4217.3	4223.9	4210.1	4174.2	4120.4	4049.0	3964.9	3864.5
52.5°	4794.7	4833.5	4847.2	4837.3	4847.2	4833.5	4794.7	4734.4	4652.2	4549.1	4428.9
50°	5439.2	5486.2	5505.1	5496.1	5505.1	5486.2	5439.2	5369.3	5273.9	5152.8	5012.9
47.5°	6123.3	6185.8	6210.1	6193.6	6210.1	6185.8	6123.3	6035.1	5922.6	5780.3	5605.8
45°	6843.2	6908.1	6933.1	6916.9	6933.1	6908.1	6843.2	6744.9	6613.2	6456.4	6277.4
42.5°	7576.0	7660.1	7695.7	7666.1	7695.7	7660.1	7576.0	7461.6	7312.0	7133.7	6929.5
40°	8321.6	8412.9	8455.1	8434.7	8455.1	8412.9	8321.6	8189.9	8013.6	7801.9	7571.6
37.5°	9086.4	9177.3	9222.0	9222.6	9222.0	9177.3	9086.4	8945.1	8749.2	8508.1	8248.2
35°	9854.1	9964.1	10026.4	10023.4	10026.4	9964.1	9854.1	9698.9	9498.5	9254.3	8948.0
32.5°	10632.5	10751.7	10815.3	10824.3	10815.3	10751.7	10632.5	10450.3	10220.0	9951.5	9636.5
30°	11409.5	11540.6	11614.3	11644.5	11614.3	11540.6	11409.5	11207.6	10949.2	10655.6	10316.8
27.5°	12163.1	12324.4	12435.7	12445.3	12435.7	12324.4	12163.1	11956.6	11684.2	11365.1	10995.4
25°	12892.9	13057.1	13171.3	13194.5	13171.3	13057.1	12892.9	12687.4	12407.5	12057.2	11662.3
22.5°	13612.3	13783.9	13889.3	13930.8	13889.3	13783.9	13612.3	13382.1	13072.3	12706.1	12287.6
20°	14299.0	14485.0	14596.7	14641.2	14596.7	14485.0	14299.0	14046.0	13704.5	13314.7	12871.8
17.5°	14920.2	15116.7	15254.7	15293.5	15254.7	15116.7	14920.2	14652.5	14294.8	13880.8	13403.1
15°	15466.9	15653.3	15784.3	15836.0	15784.3	15653.3	15466.9	15204.2	14841.6	14393.8	13863.3
12.5°	15911.9	16078.7	16181.3	16230.0	16181.3	16078.7	15911.9	15661.3	15327.9	14825.0	14267.7
10°	16259.5	16426.9	16524.8	16591.6	16524.8	16426.9	16259.5	16026.4	15654.1	15203.7	14656.2
7.5°	16561.3	16732.7	16852.6	16946.8	16852.6	16732.7	16561.3	16246.5	15914.4	15490.1	14937.4
5°	16727.9	17014.1	17057.1	17121.2	17057.1	17014.1	16727.9	16442.8	16080.6	15648.9	15109.3
2.5°	16854.9	17057.9	17179.9	17166.4	17179.9	17057.9	16854.9	16519.4	16172.7	15777.1	15254.6
0°	16946.8	17127.7	17172.9	17231.0	17172.9	17127.7	16946.8	16611.0	16249.3	15855.4	15312.9
-2.5°	16854.9	17057.9	17179.9	17166.4	17179.9	17057.9	16854.9	16519.4	16172.7	15777.1	15254.6
-5°	16727.9	17014.1	17057.1	17121.2	17057.1	17014.1	16727.9	16442.8	16080.6	15648.9	15109.3
-7.5°	16561.3	16732.7	16852.6	16946.8	16852.6	16732.7	16561.3	16246.5	15914.4	15490.1	14937.4
-10°	16259.5	16426.9	16524.8	16591.6	16524.8	16426.9	16259.5	16026.4	15654.1	15203.7	14656.2
-12.5°	15911.9	16078.7	16181.3	16230.0	16181.3	16078.7	15911.9	15661.3	15327.9	14825.0	14267.7
-15°	15466.9	15653.3	15784.3	15836.0	15784.3	15653.3	15466.9	15204.2	14841.6	14393.8	13863.3
-17.5°	14920.2	15116.7	15254.7	15293.5	15254.7	15116.7	14920.2	14652.5	14294.8	13880.8	13403.1
-20°	14299.0	14485.0	14596.7	14641.2	14596.7	14485.0	14299.0	14046.0	13704.5	13314.7	12871.8



REPORT NUMBER: P627651 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5C-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°	13612.3	13783.9	13889.3	13930.8	13889.3	13783.9	13612.3	13382.1	13072.3	12706.1	12287.6
-25°	12892.9	13057.1	13171.3	13194.5	13171.3	13057.1	12892.9	12687.4	12407.5	12057.2	11662.3
-27.5°	12163.1	12324.4	12435.7	12445.3	12435.7	12324.4	12163.1	11956.6	11684.2	11365.1	10995.4
-30°	11409.5	11540.6	11614.3	11644.5	11614.3	11540.6	11409.5	11207.6	10949.2	10655.6	10316.8
-32.5°	10632.5	10751.7	10815.3	10824.3	10815.3	10751.7	10632.5	10450.3	10220.0	9951.5	9636.5
-35°	9854.1	9964.1	10026.4	10023.4	10026.4	9964.1	9854.1	9698.9	9498.5	9254.3	8948.0
-37.5°	9086.4	9177.3	9222.0	9222.6	9222.0	9177.3	9086.4	8945.1	8749.2	8508.1	8248.2
-40°	8321.6	8412.9	8455.1	8434.7	8455.1	8412.9	8321.6	8189.9	8013.6	7801.9	7571.6
-42.5°	7576.0	7660.1	7695.7	7666.1	7695.7	7660.1	7576.0	7461.6	7312.0	7133.7	6929.5
-45°	6843.2	6908.1	6933.1	6916.9	6933.1	6908.1	6843.2	6744.9	6613.2	6456.4	6277.4
-47.5°	6123.3	6185.8	6210.1	6193.6	6210.1	6185.8	6123.3	6035.1	5922.6	5780.3	5605.8
-50°	5439.2	5486.2	5505.1	5496.1	5505.1	5486.2	5439.2	5369.3	5273.9	5152.8	5012.9
-52.5°	4794.7	4833.5	4847.2	4837.3	4847.2	4833.5	4794.7	4734.4	4652.2	4549.1	4428.9
-55°	4174.2	4210.1	4223.9	4217.3	4223.9	4210.1	4174.2	4120.4	4049.0	3964.9	3864.5
-57.5°	3587.4	3615.4	3621.9	3610.2	3621.9	3615.4	3587.4	3544.5	3487.1	3418.6	3335.2
-60°	3055.4	3077.2	3088.2	3087.1	3088.2	3077.2	3055.4	3021.7	2976.6	2920.7	2853.4
-62.5°	2563.6	2577.5	2585.2	2583.4	2585.2	2577.5	2563.6	2539.5	2505.7	2463.2	2413.7
-65°	2099.6	2104.6	2102.7	2092.5	2102.7	2104.6	2099.6	2086.3	2064.8	2037.9	2005.4
-67.5°	1694.1	1694.5	1701.8	1705.0	1701.8	1694.5	1694.1	1687.0	1673.4	1655.6	1634.6
-70°	1343.6	1341.5	1344.1	1343.3	1344.1	1341.5	1343.6	1342.0	1337.5	1331.0	1321.0
-72.5°	1044.5	1027.9	1012.9	994.6	1012.9	1027.9	1044.5	1058.7	1071.1	1078.1	1071.1
-75°	780.6	746.6	726.1	704.0	726.1	746.6	780.6	812.6	842.9	866.0	863.7
-77.5°	565.2	521.9	503.4	484.4	503.4	521.9	565.2	606.5	645.5	677.7	680.1
-80°	380.9	341.4	325.9	310.0	325.9	341.4	380.9	418.6	454.4	486.0	494.5
-82.5°	228.7	199.5	190.3	180.8	190.3	199.5	228.7	256.6	283.3	307.4	309.8
-85°	113.2	96.4	90.3	84.0	90.3	96.4	113.2	129.3	144.5	158.2	153.2
-87.5°	20.8	19.3	19.4	19.4	19.4	19.3	20.8	22.3	23.6	24.9	24.6
-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: P627651 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5C-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°	24.2	23.8	23.4	22.9	22.3	21.8	21.1	20.5	19.8	19.0	18.3
85°	147.9	142.1	136.0	129.5	122.6	115.5	107.9	94.6	82.2	70.7	60.8
82.5°	310.5	309.1	304.7	287.2	269.5	251.7	233.0	205.1	177.8	151.2	128.0
80°	500.6	503.9	500.6	471.4	441.8	412.0	380.3	339.6	298.4	259.3	229.9
77.5°	681.6	682.4	676.9	647.8	615.9	581.0	541.1	492.2	443.1	393.6	355.8
75°	859.5	853.4	841.2	814.5	782.5	744.9	706.0	662.9	612.7	554.9	505.5
72.5°	1060.8	1047.1	1028.1	1001.9	970.8	937.7	897.1	849.5	797.0	739.3	687.1
70°	1305.4	1283.9	1255.3	1219.6	1184.6	1148.0	1104.5	1052.2	991.0	927.3	869.1
67.5°	1607.5	1574.3	1534.0	1490.9	1447.4	1396.4	1338.0	1274.2	1210.9	1140.3	1060.4
65°	1965.1	1917.0	1858.4	1802.7	1741.9	1675.7	1601.1	1527.0	1449.6	1364.8	1263.5
62.5°	2358.1	2297.0	2217.4	2136.6	2054.2	1969.2	1877.7	1786.7	1694.2	1594.2	1480.3
60°	2774.6	2683.7	2592.2	2492.0	2383.2	2269.1	2165.1	2054.5	1937.7	1824.4	1699.4
57.5°	3236.5	3124.6	3005.0	2877.3	2742.0	2608.7	2474.1	2335.0	2202.8	2064.8	1923.3
55°	3748.4	3616.3	3466.2	3301.5	3130.9	2976.3	2807.9	2639.2	2480.0	2312.5	2156.6
52.5°	4293.7	4135.5	3961.5	3774.4	3580.3	3379.4	3174.8	2981.0	2773.8	2584.3	2395.8
50°	4856.0	4674.7	4474.1	4259.1	4043.3	3810.5	3576.4	3343.5	3108.7	2876.2	2650.4
47.5°	5427.0	5230.7	5007.8	4769.9	4522.7	4262.8	3996.3	3716.2	3456.5	3186.9	2930.3
45°	6054.7	5812.5	5562.6	5300.6	5018.1	4731.3	4432.3	4125.7	3813.2	3516.7	3216.0
42.5°	6686.1	6413.6	6124.7	5836.6	5528.4	5207.2	4873.7	4535.7	4192.3	3850.4	3521.7
40°	7314.9	7020.2	6705.2	6375.8	6039.8	5685.9	5320.8	4944.9	4572.0	4196.0	3824.1
37.5°	7958.1	7639.8	7298.4	6935.8	6559.3	6167.3	5765.7	5358.7	4947.5	4542.8	4139.5
35°	8617.9	8269.4	7892.7	7496.6	7082.3	6653.2	6212.5	5766.8	5324.5	4886.8	4449.8
32.5°	9271.7	8894.1	8488.0	8054.5	7598.4	7131.3	6657.6	6176.3	5692.1	5224.8	4759.4
30°	9931.1	9512.9	9073.0	8604.7	8110.1	7601.5	7088.3	6578.4	6062.4	5548.2	5055.9
27.5°	10577.2	10120.8	9642.7	9136.3	8608.0	8062.3	7510.9	6966.8	6416.4	5869.7	5338.8
25°	11205.9	10713.2	10185.8	9644.9	9084.7	8503.0	7910.4	7334.6	6759.9	6174.9	5592.7
22.5°	11811.0	11271.5	10703.1	10124.5	9535.3	8924.0	8292.0	7671.6	7076.8	6448.6	5840.2
20°	12369.0	11789.8	11182.8	10573.4	9950.2	9324.8	8647.6	7987.6	7347.9	6702.8	6064.6
17.5°	12864.0	12275.6	11638.8	10996.5	10333.1	9674.6	8979.9	8275.2	7597.3	6928.7	6262.1
15°	13300.4	12712.4	12067.6	11390.3	10682.0	9962.9	9261.3	8529.4	7824.7	7128.4	6444.6
12.5°	13696.7	13081.1	12437.2	11720.9	10968.9	10218.7	9489.1	8752.0	8026.9	7311.1	6608.9
10°	14052.4	13383.2	12701.8	11975.9	11209.0	10434.5	9683.3	8939.3	8198.9	7467.6	6744.3
7.5°	14296.1	13607.3	12903.2	12179.8	11411.6	10625.0	9851.2	9089.7	8333.0	7592.2	6849.9
5°	14476.1	13784.1	13077.8	12344.2	11569.0	10767.2	9975.0	9198.8	8428.5	7683.3	6925.2
2.5°	14614.3	13905.0	13197.0	12447.1	11670.8	10863.2	10063.6	9280.8	8504.3	7750.1	6991.7
0°	14712.2	13950.1	13265.5	12529.3	11734.9	10921.2	10120.3	9332.4	8550.9	7782.4	7026.7
-2.5°	14614.3	13905.0	13197.0	12447.1	11670.8	10863.2	10063.6	9280.8	8504.3	7750.1	6991.7
-5°	14476.1	13784.1	13077.8	12344.2	11569.0	10767.2	9975.0	9198.8	8428.5	7683.3	6925.2
-7.5°	14296.1	13607.3	12903.2	12179.8	11411.6	10625.0	9851.2	9089.7	8333.0	7592.2	6849.9
-10°	14052.4	13383.2	12701.8	11975.9	11209.0	10434.5	9683.3	8939.3	8198.9	7467.6	6744.3
-12.5°	13696.7	13081.1	12437.2	11720.9	10968.9	10218.7	9489.1	8752.0	8026.9	7311.1	6608.9
-15°	13300.4	12712.4	12067.6	11390.3	10682.0	9962.9	9261.3	8529.4	7824.7	7128.4	6444.6
-17.5°	12864.0	12275.6	11638.8	10996.5	10333.1	9674.6	8979.9	8275.2	7597.3	6928.7	6262.1
-20°	12369.0	11789.8	11182.8	10573.4	9950.2	9324.8	8647.6	7987.6	7347.9	6702.8	6064.6



REPORT NUMBER: P627651 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5C-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°	11811.0	11271.5	10703.1	10124.5	9535.3	8924.0	8292.0	7671.6	7076.8	6448.6	5840.2
-25°	11205.9	10713.2	10185.8	9644.9	9084.7	8503.0	7910.4	7334.6	6759.9	6174.9	5592.7
-27.5°	10577.2	10120.8	9642.7	9136.3	8608.0	8062.3	7510.9	6966.8	6416.4	5869.7	5338.8
-30°	9931.1	9512.9	9073.0	8604.7	8110.1	7601.5	7088.3	6578.4	6062.4	5548.2	5055.9
-32.5°	9271.7	8894.1	8488.0	8054.5	7598.4	7131.3	6657.6	6176.3	5692.1	5224.8	4759.4
-35°	8617.9	8269.4	7892.7	7496.6	7082.3	6653.2	6212.5	5766.8	5324.5	4886.8	4449.8
-37.5°	7958.1	7639.8	7298.4	6935.8	6559.3	6167.3	5765.7	5358.7	4947.5	4542.8	4139.5
-40°	7314.9	7020.2	6705.2	6375.8	6039.8	5685.9	5320.8	4944.9	4572.0	4196.0	3824.1
-42.5°	6686.1	6413.6	6124.7	5836.6	5528.4	5207.2	4873.7	4535.7	4192.3	3850.4	3521.7
-45°	6054.7	5812.5	5562.6	5300.6	5018.1	4731.3	4432.3	4125.7	3813.2	3516.7	3216.0
-47.5°	5427.0	5230.7	5007.8	4769.9	4522.7	4262.8	3996.3	3716.2	3456.5	3186.9	2930.3
-50°	4856.0	4674.7	4474.1	4259.1	4043.3	3810.5	3576.4	3343.5	3108.7	2876.2	2650.4
-52.5°	4293.7	4135.5	3961.5	3774.4	3580.3	3379.4	3174.8	2981.0	2773.8	2584.3	2395.8
-55°	3748.4	3616.3	3466.2	3301.5	3130.9	2976.3	2807.9	2639.2	2480.0	2312.5	2156.6
-57.5°	3236.5	3124.6	3005.0	2877.3	2742.0	2608.7	2474.1	2335.0	2202.8	2064.8	1923.3
-60°	2774.6	2683.7	2592.2	2492.0	2383.2	2269.1	2165.1	2054.5	1937.7	1824.4	1699.4
-62.5°	2358.1	2297.0	2217.4	2136.6	2054.2	1969.2	1877.7	1786.7	1694.2	1594.2	1480.3
-65°	1965.1	1917.0	1858.4	1802.7	1741.9	1675.7	1601.1	1527.0	1449.6	1364.8	1263.5
-67.5°	1607.5	1574.3	1534.0	1490.9	1447.4	1396.4	1338.0	1274.2	1210.9	1140.3	1060.4
-70°	1305.4	1283.9	1255.3	1219.6	1184.6	1148.0	1104.5	1052.2	991.0	927.3	869.1
-72.5°	1060.8	1047.1	1028.1	1001.9	970.8	937.7	897.1	849.5	797.0	739.3	687.1
-75°	859.5	853.4	841.2	814.5	782.5	744.9	706.0	662.9	612.7	554.9	505.5
-77.5°	681.6	682.4	676.9	647.8	615.9	581.0	541.1	492.2	443.1	393.6	355.8
-80°	500.6	503.9	500.6	471.4	441.8	412.0	380.3	339.6	298.4	259.3	229.9
-82.5°	310.5	309.1	304.7	287.2	269.5	251.7	233.0	205.1	177.8	151.2	128.0
-85°	147.9	142.1	136.0	129.5	122.6	115.5	107.9	94.6	82.2	70.7	60.8
-87.5°	24.2	23.8	23.4	22.9	22.3	21.8	21.1	20.5	19.8	19.0	18.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P627651 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5C-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°	18.5	18.7	18.7	18.5	16.5	14.5	12.7	10.9	9.9	8.8	7.8
85°	61.0	59.6	56.4	51.1	40.2	29.0	25.2	21.8	19.7	17.6	15.5
82.5°	127.6	128.8	128.7	124.9	110.2	94.8	78.6	61.8	45.8	29.1	23.2
80°	230.3	227.8	222.4	211.9	187.7	160.5	140.0	118.7	97.9	76.1	53.5
77.5°	348.1	338.2	326.0	312.2	286.6	256.6	222.0	182.8	149.7	123.0	95.1
75°	479.9	464.0	446.9	424.0	391.1	353.4	315.5	269.8	219.1	171.2	136.4
72.5°	645.1	606.8	572.5	540.2	504.6	462.5	414.1	355.3	293.6	235.4	180.8
70°	812.5	755.0	703.7	659.7	616.7	572.7	519.5	447.0	366.8	298.3	234.0
67.5°	982.4	914.4	845.8	780.0	725.8	673.9	622.5	538.2	446.4	359.8	286.0
65°	1170.0	1079.2	992.0	910.8	837.2	772.4	712.1	623.6	523.5	426.2	336.6
62.5°	1363.1	1247.4	1144.1	1040.5	948.8	870.0	797.6	700.0	597.3	490.4	389.4
60°	1566.2	1434.4	1297.1	1176.1	1063.8	964.1	876.4	775.4	666.3	552.2	441.9
57.5°	1780.0	1625.1	1470.8	1317.9	1183.0	1063.4	953.1	846.8	734.2	613.1	490.7
55°	1996.7	1829.8	1647.3	1475.0	1309.5	1167.2	1034.2	915.3	799.7	673.0	532.9
52.5°	2213.6	2030.3	1834.5	1635.3	1450.1	1272.1	1123.4	982.1	860.0	731.5	576.8
50°	2440.6	2230.3	2020.5	1805.4	1590.0	1394.9	1209.6	1058.7	918.5	787.1	618.5
47.5°	2676.7	2442.5	2209.0	1973.9	1742.9	1512.4	1310.2	1133.7	975.1	837.5	657.2
45°	2935.6	2661.7	2403.2	2149.0	1887.7	1639.4	1412.1	1205.4	1039.3	876.7	692.9
42.5°	3194.2	2893.0	2604.3	2321.5	2039.3	1765.6	1508.6	1289.9	1100.6	914.2	725.8
40°	3469.4	3125.2	2805.0	2498.3	2187.4	1885.5	1615.5	1372.3	1158.0	953.1	756.9
37.5°	3736.9	3363.1	3011.3	2667.0	2332.5	2015.2	1718.3	1449.4	1212.5	996.8	786.4
35°	4020.1	3602.2	3202.0	2836.9	2481.7	2138.1	1814.6	1527.2	1275.3	1039.5	814.2
32.5°	4293.6	3836.0	3406.8	3004.5	2624.4	2253.9	1913.6	1609.6	1335.6	1080.8	840.2
30°	4562.5	4070.7	3603.1	3162.9	2762.5	2375.5	2012.9	1686.6	1393.3	1120.8	866.3
27.5°	4810.3	4288.0	3791.1	3326.7	2898.2	2490.8	2106.7	1758.0	1448.1	1161.8	896.5
25°	5041.2	4497.1	3976.6	3484.3	3024.2	2600.0	2193.1	1824.2	1503.8	1204.7	924.5
22.5°	5257.9	4691.2	4144.6	3629.5	3140.9	2700.3	2277.3	1894.5	1556.5	1244.1	950.2
20°	5454.8	4866.0	4295.1	3761.1	3254.4	2795.8	2358.4	1957.6	1603.6	1279.9	973.4
17.5°	5632.2	5025.8	4438.7	3884.2	3360.2	2880.7	2430.4	2013.3	1645.0	1311.8	993.7
15°	5796.8	5171.1	4565.7	3991.5	3451.7	2954.6	2493.0	2061.3	1680.4	1339.5	1013.1
12.5°	5938.4	5295.7	4673.4	4082.8	3528.8	3017.2	2546.0	2101.4	1709.9	1364.6	1031.4
10°	6054.8	5398.7	4761.3	4157.4	3591.2	3068.2	2589.1	2135.3	1737.5	1386.2	1045.4
7.5°	6145.6	5479.3	4829.1	4214.9	3640.7	3110.7	2625.7	2164.5	1759.8	1402.8	1055.3
5°	6214.3	5542.3	4888.1	4263.1	3686.2	3145.1	2652.4	2185.5	1775.9	1414.3	1060.8
2.5°	6275.4	5589.4	4934.4	4294.4	3717.1	3167.5	2668.4	2198.1	1785.7	1420.3	1062.2
0°	6309.9	5612.3	4960.0	4307.8	3733.0	3177.5	2673.8	2202.3	1789.0	1420.8	1059.2
-2.5°	6275.4	5589.4	4934.4	4294.4	3717.1	3167.5	2668.4	2198.1	1785.7	1420.3	1062.2
-5°	6214.3	5542.3	4888.1	4263.1	3686.2	3145.1	2652.4	2185.5	1775.9	1414.3	1060.8
-7.5°	6145.6	5479.3	4829.1	4214.9	3640.7	3110.7	2625.7	2164.5	1759.8	1402.8	1055.3
-10°	6054.8	5398.7	4761.3	4157.4	3591.2	3068.2	2589.1	2135.3	1737.5	1386.2	1045.4
-12.5°	5938.4	5295.7	4673.4	4082.8	3528.8	3017.2	2546.0	2101.4	1709.9	1364.6	1031.4
-15°	5796.8	5171.1	4565.7	3991.5	3451.7	2954.6	2493.0	2061.3	1680.4	1339.5	1013.1
-17.5°	5632.2	5025.8	4438.7	3884.2	3360.2	2880.7	2430.4	2013.3	1645.0	1311.8	993.7
-20°	5454.8	4866.0	4295.1	3761.1	3254.4	2795.8	2358.4	1957.6	1603.6	1279.9	973.4



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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°	5257.9	4691.2	4144.6	3629.5	3140.9	2700.3	2277.3	1894.5	1556.5	1244.1	950.2
-25°	5041.2	4497.1	3976.6	3484.3	3024.2	2600.0	2193.1	1824.2	1503.8	1204.7	924.5
-27.5°	4810.3	4288.0	3791.1	3326.7	2898.2	2490.8	2106.7	1758.0	1448.1	1161.8	896.5
-30°	4562.5	4070.7	3603.1	3162.9	2762.5	2375.5	2012.9	1686.6	1393.3	1120.8	866.3
-32.5°	4293.6	3836.0	3406.8	3004.5	2624.4	2253.9	1913.6	1609.6	1335.6	1080.8	840.2
-35°	4020.1	3602.2	3202.0	2836.9	2481.7	2138.1	1814.6	1527.2	1275.3	1039.5	814.2
-37.5°	3736.9	3363.1	3011.3	2667.0	2332.5	2015.2	1718.3	1449.4	1212.5	996.8	786.4
-40°	3469.4	3125.2	2805.0	2498.3	2187.4	1885.5	1615.5	1372.3	1158.0	953.1	756.9
-42.5°	3194.2	2893.0	2604.3	2321.5	2039.3	1765.6	1508.6	1289.9	1100.6	914.2	725.8
-45°	2935.6	2661.7	2403.2	2149.0	1887.7	1639.4	1412.1	1205.4	1039.3	876.7	692.9
-47.5°	2676.7	2442.5	2209.0	1973.9	1742.9	1512.4	1310.2	1133.7	975.1	837.5	657.2
-50°	2440.6	2230.3	2020.5	1805.4	1590.0	1394.9	1209.6	1058.7	918.5	787.1	618.5
-52.5°	2213.6	2030.3	1834.5	1635.3	1450.1	1272.1	1123.4	982.1	860.0	731.5	576.8
-55°	1996.7	1829.8	1647.3	1475.0	1309.5	1167.2	1034.2	915.3	799.7	673.0	532.9
-57.5°	1780.0	1625.1	1470.8	1317.9	1183.0	1063.4	953.1	846.8	734.2	613.1	490.7
-60°	1566.2	1434.4	1297.1	1176.1	1063.8	964.1	876.4	775.4	666.3	552.2	441.9
-62.5°	1363.1	1247.4	1144.1	1040.5	948.8	870.0	797.6	700.0	597.3	490.4	389.4
-65°	1170.0	1079.2	992.0	910.8	837.2	772.4	712.1	623.6	523.5	426.2	336.6
-67.5°	982.4	914.4	845.8	780.0	725.8	673.9	622.5	538.2	446.4	359.8	286.0
-70°	812.5	755.0	703.7	659.7	616.7	572.7	519.5	447.0	366.8	298.3	234.0
-72.5°	645.1	606.8	572.5	540.2	504.6	462.5	414.1	355.3	293.6	235.4	180.8
-75°	479.9	464.0	446.9	424.0	391.1	353.4	315.5	269.8	219.1	171.2	136.4
-77.5°	348.1	338.2	326.0	312.2	286.6	256.6	222.0	182.8	149.7	123.0	95.1
-80°	230.3	227.8	222.4	211.9	187.7	160.5	140.0	118.7	97.9	76.1	53.5
-82.5°	127.6	128.8	128.7	124.9	110.2	94.8	78.6	61.8	45.8	29.1	23.2
-85°	61.0	59.6	56.4	51.1	40.2	29.0	25.2	21.8	19.7	17.6	15.5
-87.5°	18.5	18.7	18.7	18.5	16.5	14.5	12.7	10.9	9.9	8.8	7.8
-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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REPORT NUMBER: P627651 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5C-740-U-VWR-XX

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°	6.7	5.6	4.5	3.4	2.2	1.0	0.0
85°	13.3	11.2	8.9	6.7	4.5	2.0	0.0
82.5°	20.0	16.7	13.4	10.1	6.7	2.9	0.0
80°	30.1	22.2	17.8	13.4	8.9	3.9	0.0
77.5°	65.5	34.9	22.2	16.7	11.1	4.9	0.0
75°	100.2	60.3	29.0	20.0	13.2	5.8	0.0
72.5°	133.7	85.1	46.2	23.2	15.3	6.7	0.0
70°	167.2	109.0	62.9	27.8	17.4	7.7	0.0
67.5°	207.5	131.9	78.9	38.1	19.4	8.6	0.0
65°	246.0	157.5	94.2	48.0	21.3	9.4	0.0
62.5°	282.5	185.5	108.7	57.5	23.1	10.3	0.0
60°	317.0	212.1	122.3	66.4	24.9	11.1	0.0
57.5°	353.2	237.0	140.5	74.8	30.0	11.9	0.0
55°	387.6	260.2	157.8	82.7	34.9	12.6	0.0
52.5°	419.4	282.2	173.9	89.9	39.6	13.4	0.0
50°	448.5	305.5	188.7	96.6	44.1	14.0	0.0
47.5°	475.8	326.9	202.2	103.4	48.4	14.7	0.0
45°	506.2	346.1	214.3	112.4	52.5	15.3	0.0
42.5°	534.0	363.2	225.1	120.6	56.4	15.9	0.0
40°	559.2	378.2	235.9	128.9	60.1	16.4	0.0
37.5°	581.9	390.9	246.6	137.1	63.5	16.9	0.0
35°	601.8	405.7	255.8	144.7	66.6	17.4	0.0
32.5°	620.2	420.4	263.5	151.8	69.6	17.8	0.0
30°	639.5	433.1	269.7	158.2	72.2	18.2	0.0
27.5°	656.7	443.5	278.9	164.1	74.7	18.5	0.0
25°	671.9	451.8	287.6	169.3	76.8	18.8	0.0
22.5°	684.9	460.1	295.2	173.9	78.7	19.1	0.0
20°	695.6	471.5	301.8	177.9	80.3	19.3	0.0
17.5°	709.0	480.9	307.3	181.3	81.7	19.4	0.0
15°	723.0	488.1	311.7	184.0	82.8	19.5	0.0
12.5°	734.3	493.4	315.1	186.1	83.7	19.6	0.0
10°	743.0	496.6	317.5	187.6	84.2	19.7	0.0
7.5°	748.8	497.9	318.8	188.4	84.6	19.6	0.0
5°	751.9	497.4	319.0	188.7	84.6	19.6	0.0
2.5°	752.0	495.0	318.3	188.3	84.4	19.5	0.0
0°	749.2	490.8	316.5	187.3	84.0	19.4	0.0
-2.5°	752.0	495.0	318.3	188.3	84.4	19.5	0.0
-5°	751.9	497.4	319.0	188.7	84.6	19.6	0.0
-7.5°	748.8	497.9	318.8	188.4	84.6	19.6	0.0
-10°	743.0	496.6	317.5	187.6	84.2	19.7	0.0
-12.5°	734.3	493.4	315.1	186.1	83.7	19.6	0.0
-15°	723.0	488.1	311.7	184.0	82.8	19.5	0.0
-17.5°	709.0	480.9	307.3	181.3	81.7	19.4	0.0
-20°	695.6	471.5	301.8	177.9	80.3	19.3	0.0

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CATALOG NUMBER: GFLD-SA5C-740-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	684.9	460.1	295.2	173.9	78.7	19.1	0.0
-25°	671.9	451.8	287.6	169.3	76.8	18.8	0.0
-27.5°	656.7	443.5	278.9	164.1	74.7	18.5	0.0
-30°	639.5	433.1	269.7	158.2	72.2	18.2	0.0
-32.5°	620.2	420.4	263.5	151.8	69.6	17.8	0.0
-35°	601.8	405.7	255.8	144.7	66.6	17.4	0.0
-37.5°	581.9	390.9	246.6	137.1	63.5	16.9	0.0
-40°	559.2	378.2	235.9	128.9	60.1	16.4	0.0
-42.5°	534.0	363.2	225.1	120.6	56.4	15.9	0.0
-45°	506.2	346.1	214.3	112.4	52.5	15.3	0.0
-47.5°	475.8	326.9	202.2	103.4	48.4	14.7	0.0
-50°	448.5	305.5	188.7	96.6	44.1	14.0	0.0
-52.5°	419.4	282.2	173.9	89.9	39.6	13.4	0.0
-55°	387.6	260.2	157.8	82.7	34.9	12.6	0.0
-57.5°	353.2	237.0	140.5	74.8	30.0	11.9	0.0
-60°	317.0	212.1	122.3	66.4	24.9	11.1	0.0
-62.5°	282.5	185.5	108.7	57.5	23.1	10.3	0.0
-65°	246.0	157.5	94.2	48.0	21.3	9.4	0.0
-67.5°	207.5	131.9	78.9	38.1	19.4	8.6	0.0
-70°	167.2	109.0	62.9	27.8	17.4	7.7	0.0
-72.5°	133.7	85.1	46.2	23.2	15.3	6.7	0.0
-75°	100.2	60.3	29.0	20.0	13.2	5.8	0.0
-77.5°	65.5	34.9	22.2	16.7	11.1	4.9	0.0
-80°	30.1	22.2	17.8	13.4	8.9	3.9	0.0
-82.5°	20.0	16.7	13.4	10.1	6.7	2.9	0.0
-85°	13.3	11.2	8.9	6.7	4.5	2.0	0.0
-87.5°	6.7	5.6	4.5	3.4	2.2	1.0	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)