

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: P627231 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA3D-740-U-VWR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P627231 (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-SA3D-740-U-VWR-XX
Description: GALLEON FLOOD, THREE LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N79
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

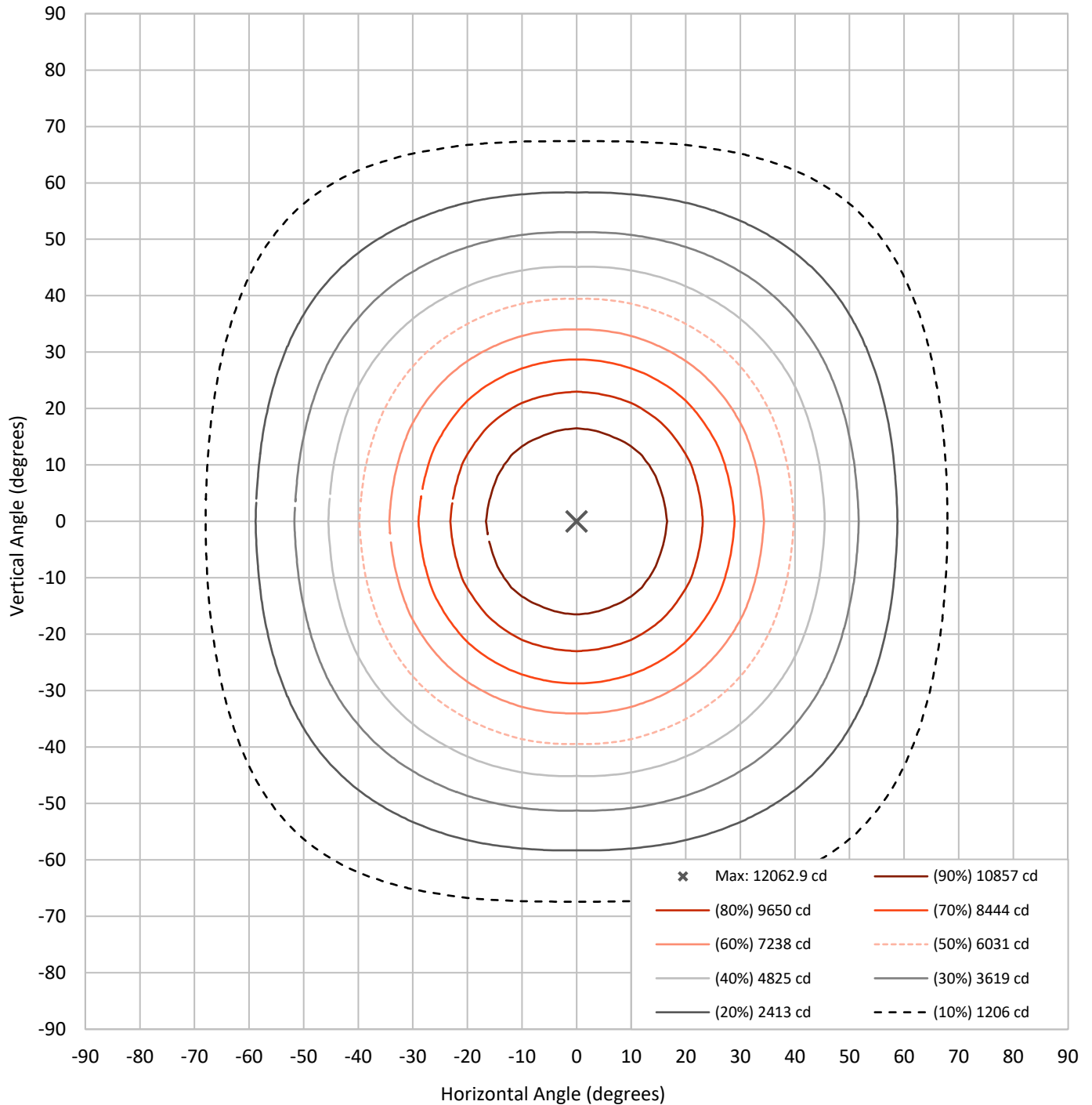
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	21802.6 lumens	Max Intensity:	12062.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	136.1 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' 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:	12787.3 lumens	Field Lumens:	20785 lumens
Beam Efficiency:	58.7%	Field Efficiency:	95.3%
Input Watts (W):	160.2		
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





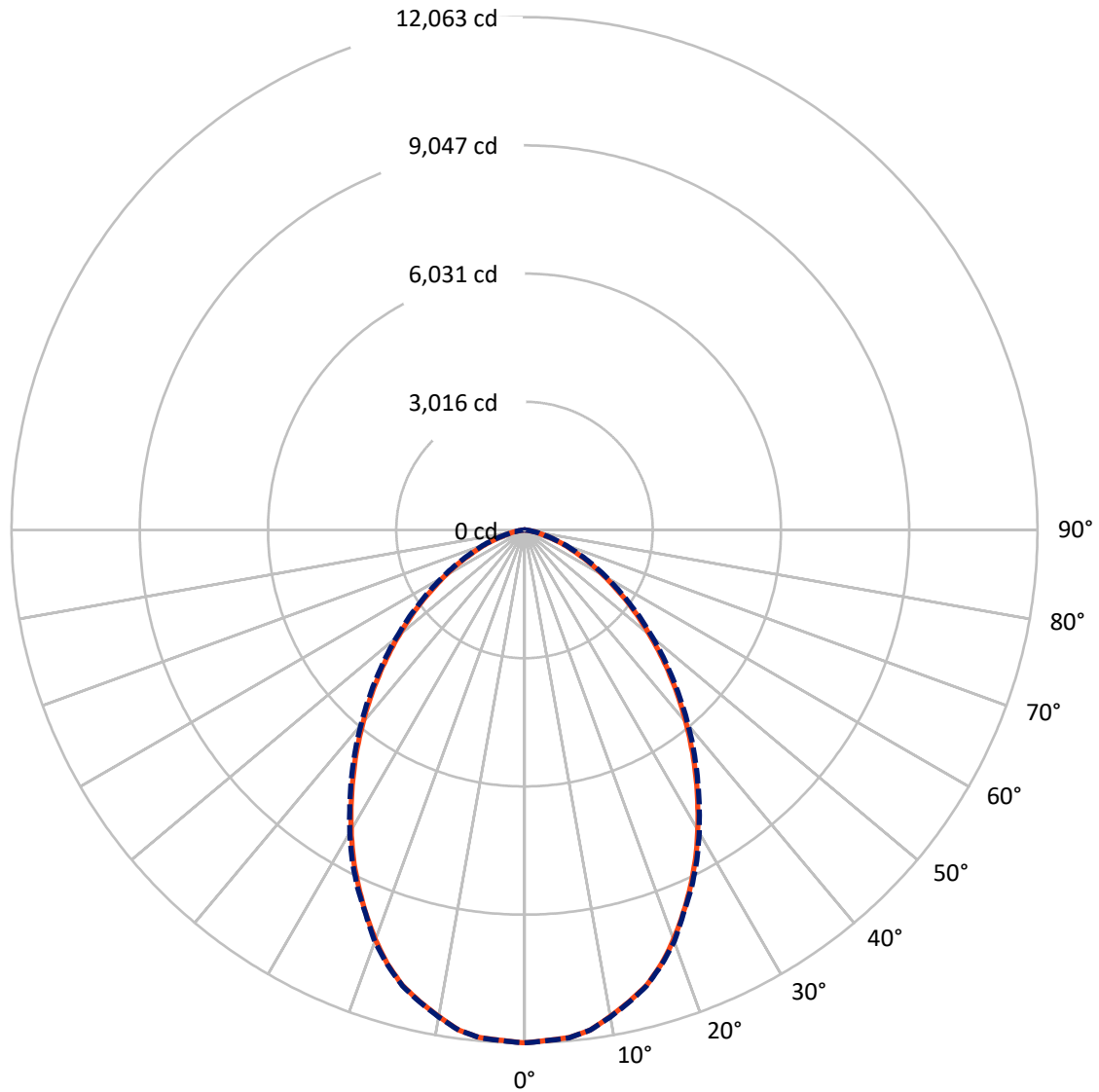
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Lumen Table

90																			
80	0.7	8.9	24.3	41.3	38.9	41.3	24.3	8.9	0.7										
70																			
60	4.0	5.6	11.3	19.2	28.1	36.3	42.5	45.5	45.5	42.5	36.3	28.1	19.2	11.3	5.6	4.0			
50		8.4	18.3	32.7	49.5	67.3	81.9	89.5	89.5	81.9	67.3	49.5	32.7	18.3	8.4				
40	7.1	11.3	26.5	48.9	77.5	107.5	132.6	146.3	146.3	132.6	107.5	77.5	48.9	26.5	11.3	7.1			
30		14.3	35.1	67.4	108.6	152.2	189.5	210.7	210.7	189.5	152.2	108.6	67.4	35.1	14.3				
20	9.2	17.1	43.2	84.7	138.2	196.2	246.8	275.8	275.8	246.8	196.2	138.2	84.7	43.2	17.1	9.2			
10		19.2	49.5	97.7	161.4	231.9	294.1	329.5	329.5	294.1	231.9	161.4	97.7	49.5	19.2				
0	10.0	20.4	52.9	105.1	174.2	251.6	319.7	356.9	356.9	319.7	251.6	174.2	105.1	52.9	20.4	10.0			
-10		20.4	52.9	105.1	174.2	251.6	319.7	356.9	356.9	319.7	251.6	174.2	105.1	52.9	20.4				
-20	9.2	19.2	49.5	97.7	161.4	231.9	294.1	329.5	329.5	294.1	231.9	161.4	97.7	49.5	19.2	9.2			
-30		17.1	43.2	84.7	138.2	196.2	246.8	275.8	275.8	246.8	196.2	138.2	84.7	43.2	17.1				
-40	7.1	14.3	35.1	67.4	108.6	152.2	189.5	210.7	210.7	189.5	152.2	108.6	67.4	35.1	14.3	7.1			
-50		11.3	26.5	48.9	77.5	107.5	132.6	146.3	146.3	132.6	107.5	77.5	48.9	26.5	11.3				
-60	4.0	8.4	18.3	32.7	49.5	67.3	81.9	89.5	89.5	81.9	67.3	49.5	32.7	18.3	8.4	4.0			
-70		5.6	11.3	19.2	28.1	36.3	42.5	45.5	45.5	42.5	36.3	28.1	19.2	11.3	5.6				
-80	0.7	8.9	24.3	41.3	38.9	41.3	24.3	8.9	0.7										
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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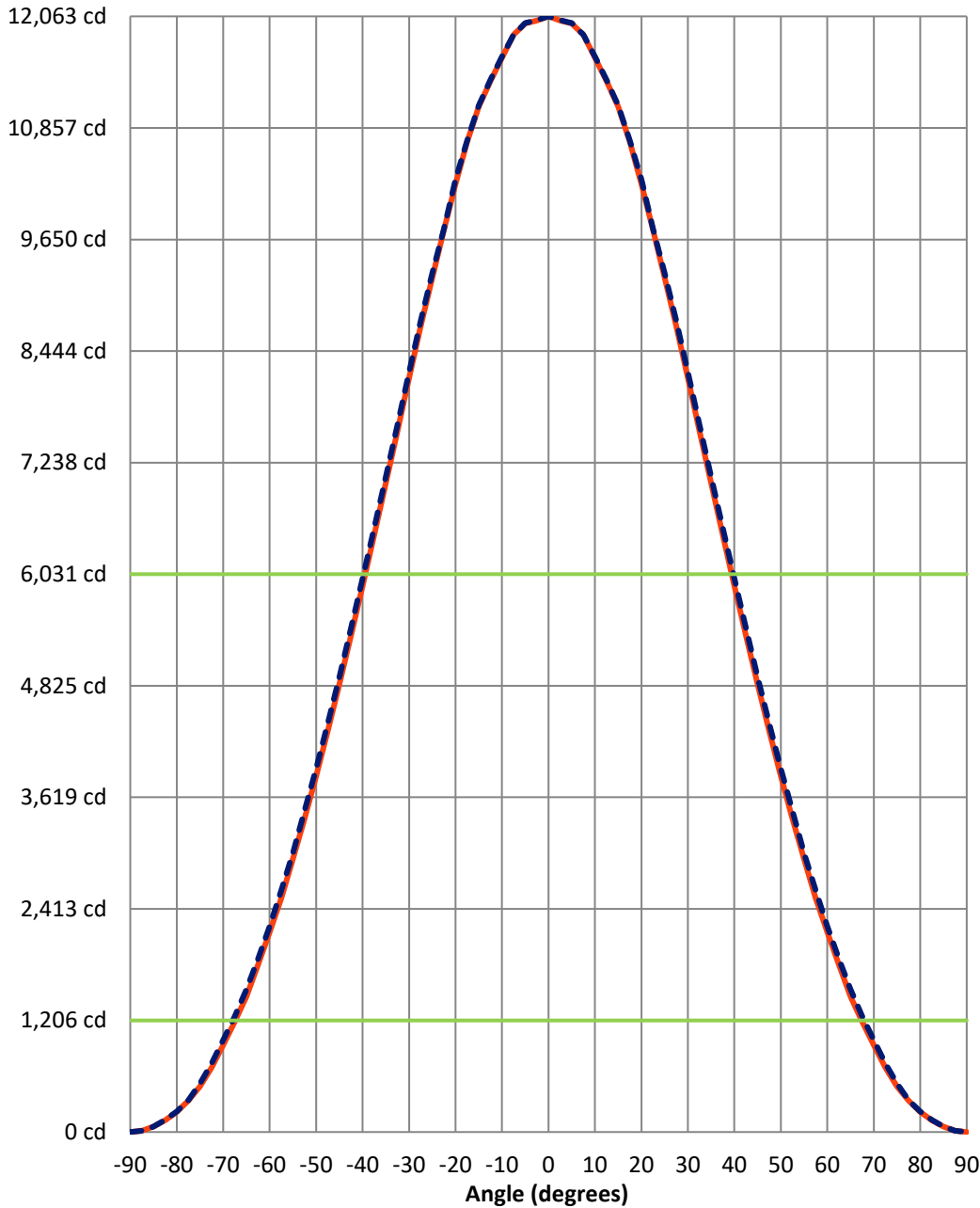
Luminous Intensity Polar Plot



— 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: 12787.3
Efficiency: 58.7%

Field:
H Angle: 135.9°
V Angle: 134.8°
Lumens: 20785
Efficiency: 95.3%

Spill:
Lumens: 1017.5
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	0.7	1.6	2.4	3.1	3.9	4.7	5.4	6.2	6.9	7.6
85°	0.0	1.4	3.1	4.7	6.3	7.8	9.4	10.9	12.4	13.8	15.3
82.5°	0.0	2.1	4.7	7.1	9.4	11.7	14.0	16.3	20.4	32.1	43.3
80°	0.0	2.7	6.3	9.4	12.5	15.6	21.1	37.5	53.3	68.5	83.1
77.5°	0.0	3.4	7.8	11.7	15.6	24.4	45.9	66.6	86.1	104.8	127.9
75°	0.0	4.1	9.3	14.0	20.3	42.3	70.2	95.6	119.9	153.3	188.8
72.5°	0.0	4.7	10.7	16.3	32.4	59.6	93.7	126.6	164.8	205.5	248.7
70°	0.0	5.4	12.2	19.5	44.0	76.3	117.1	163.9	208.8	256.8	312.9
67.5°	0.0	6.0	13.6	26.7	55.2	92.3	145.3	200.3	251.9	312.5	376.8
65°	0.0	6.6	14.9	33.6	65.9	110.3	172.2	235.7	298.4	366.5	436.6
62.5°	0.0	7.2	16.2	40.3	76.1	129.9	197.8	272.6	343.3	418.1	490.1
60°	0.0	7.8	17.5	46.5	85.6	148.5	221.9	309.3	386.6	466.5	542.8
57.5°	0.0	8.3	21.0	52.4	98.3	165.9	247.3	343.5	429.2	513.9	592.8
55°	0.0	8.9	24.4	57.9	110.4	182.1	271.3	373.0	471.1	559.8	640.8
52.5°	0.0	9.4	27.7	62.9	121.7	197.6	293.6	403.8	512.1	602.0	687.5
50°	0.0	9.8	30.9	67.6	132.1	213.9	314.0	432.9	551.0	643.0	741.1
47.5°	0.0	10.3	33.9	72.4	141.5	228.8	333.1	460.1	586.3	682.6	793.6
45°	0.0	10.7	36.8	78.7	150.0	242.3	354.3	485.1	613.7	727.5	843.9
42.5°	0.0	11.1	39.5	84.4	157.6	254.3	373.8	508.1	640.0	770.5	903.0
40°	0.0	11.5	42.0	90.2	165.1	264.7	391.5	529.9	667.2	810.7	960.7
37.5°	0.0	11.9	44.4	95.9	172.6	273.6	407.4	550.5	697.8	848.9	1014.7
35°	0.0	12.2	46.7	101.3	179.1	284.0	421.3	570.0	727.7	892.8	1069.1
32.5°	0.0	12.5	48.7	106.2	184.5	294.3	434.3	588.2	756.7	935.0	1126.8
30°	0.0	12.8	50.6	110.8	188.8	303.2	447.7	606.4	784.6	975.4	1180.8
27.5°	0.0	13.0	52.3	114.8	195.2	310.5	459.8	627.6	813.3	1013.7	1230.8
25°	0.0	13.2	53.8	118.5	201.3	316.3	470.4	647.2	843.3	1052.7	1277.1
22.5°	0.0	13.4	55.1	121.7	206.6	322.1	479.5	665.2	870.9	1089.6	1326.3
20°	0.0	13.5	56.2	124.5	211.2	330.1	487.0	681.4	896.0	1122.6	1370.5
17.5°	0.0	13.6	57.2	126.9	215.1	336.7	496.4	695.6	918.3	1151.6	1409.5
15°	0.0	13.7	58.0	128.8	218.2	341.8	506.1	709.2	937.7	1176.4	1443.1
12.5°	0.0	13.8	58.6	130.3	220.6	345.4	514.1	722.0	955.2	1197.0	1471.2
10°	0.0	13.8	59.0	131.3	222.2	347.7	520.1	731.9	970.4	1216.3	1494.9
7.5°	0.0	13.8	59.2	131.9	223.1	348.6	524.2	738.7	982.1	1231.9	1515.4
5°	0.0	13.7	59.2	132.1	223.3	348.2	526.4	742.6	990.1	1243.2	1530.0
2.5°	0.0	13.7	59.1	131.8	222.7	346.5	526.5	743.6	994.3	1250.1	1538.9
0°	0.0	13.6	58.8	131.1	221.5	343.6	524.5	741.5	994.7	1252.4	1541.8
-2.5°	0.0	13.7	59.1	131.8	222.7	346.5	526.5	743.6	994.3	1250.1	1538.9
-5°	0.0	13.7	59.2	132.1	223.3	348.2	526.4	742.6	990.1	1243.2	1530.0
-7.5°	0.0	13.8	59.2	131.9	223.1	348.6	524.2	738.7	982.1	1231.9	1515.4
-10°	0.0	13.8	59.0	131.3	222.2	347.7	520.1	731.9	970.4	1216.3	1494.9
-12.5°	0.0	13.8	58.6	130.3	220.6	345.4	514.1	722.0	955.2	1197.0	1471.2
-15°	0.0	13.7	58.0	128.8	218.2	341.8	506.1	709.2	937.7	1176.4	1443.1
-17.5°	0.0	13.6	57.2	126.9	215.1	336.7	496.4	695.6	918.3	1151.6	1409.5
-20°	0.0	13.5	56.2	124.5	211.2	330.1	487.0	681.4	896.0	1122.6	1370.5

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CATALOG NUMBER: GFLD-SA3D-740-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	13.4	55.1	121.7	206.6	322.1	479.5	665.2	870.9	1089.6	1326.3
-25°	0.0	13.2	53.8	118.5	201.3	316.3	470.4	647.2	843.3	1052.7	1277.1
-27.5°	0.0	13.0	52.3	114.8	195.2	310.5	459.8	627.6	813.3	1013.7	1230.8
-30°	0.0	12.8	50.6	110.8	188.8	303.2	447.7	606.4	784.6	975.4	1180.8
-32.5°	0.0	12.5	48.7	106.2	184.5	294.3	434.3	588.2	756.7	935.0	1126.8
-35°	0.0	12.2	46.7	101.3	179.1	284.0	421.3	570.0	727.7	892.8	1069.1
-37.5°	0.0	11.9	44.4	95.9	172.6	273.6	407.4	550.5	697.8	848.9	1014.7
-40°	0.0	11.5	42.0	90.2	165.1	264.7	391.5	529.9	667.2	810.7	960.7
-42.5°	0.0	11.1	39.5	84.4	157.6	254.3	373.8	508.1	640.0	770.5	903.0
-45°	0.0	10.7	36.8	78.7	150.0	242.3	354.3	485.1	613.7	727.5	843.9
-47.5°	0.0	10.3	33.9	72.4	141.5	228.8	333.1	460.1	586.3	682.6	793.6
-50°	0.0	9.8	30.9	67.6	132.1	213.9	314.0	432.9	551.0	643.0	741.1
-52.5°	0.0	9.4	27.7	62.9	121.7	197.6	293.6	403.8	512.1	602.0	687.5
-55°	0.0	8.9	24.4	57.9	110.4	182.1	271.3	373.0	471.1	559.8	640.8
-57.5°	0.0	8.3	21.0	52.4	98.3	165.9	247.3	343.5	429.2	513.9	592.8
-60°	0.0	7.8	17.5	46.5	85.6	148.5	221.9	309.3	386.6	466.5	542.8
-62.5°	0.0	7.2	16.2	40.3	76.1	129.9	197.8	272.6	343.3	418.1	490.1
-65°	0.0	6.6	14.9	33.6	65.9	110.3	172.2	235.7	298.4	366.5	436.6
-67.5°	0.0	6.0	13.6	26.7	55.2	92.3	145.3	200.3	251.9	312.5	376.8
-70°	0.0	5.4	12.2	19.5	44.0	76.3	117.1	163.9	208.8	256.8	312.9
-72.5°	0.0	4.7	10.7	16.3	32.4	59.6	93.7	126.6	164.8	205.5	248.7
-75°	0.0	4.1	9.3	14.0	20.3	42.3	70.2	95.6	119.9	153.3	188.8
-77.5°	0.0	3.4	7.8	11.7	15.6	24.4	45.9	66.6	86.1	104.8	127.9
-80°	0.0	2.7	6.3	9.4	12.5	15.6	21.1	37.5	53.3	68.5	83.1
-82.5°	0.0	2.1	4.7	7.1	9.4	11.7	14.0	16.3	20.4	32.1	43.3
-85°	0.0	1.4	3.1	4.7	6.3	7.8	9.4	10.9	12.4	13.8	15.3
-87.5°	0.0	0.7	1.6	2.4	3.1	3.9	4.7	5.4	6.2	6.9	7.6
-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):

	-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°	8.9	10.2	11.5	13.0	13.1	13.1	13.0	12.8	13.3	13.9	14.4
85°	17.7	20.3	28.2	35.8	39.5	41.7	42.8	42.6	49.5	57.6	66.2
82.5°	55.0	66.3	77.1	87.4	90.1	90.2	89.3	89.6	105.9	124.5	143.6
80°	97.9	112.3	131.4	148.3	155.7	159.5	161.2	160.9	181.5	208.9	237.7
77.5°	155.4	179.6	200.6	218.6	228.2	236.8	243.7	249.0	275.5	310.1	344.5
75°	220.8	247.4	273.8	296.8	312.9	324.8	335.9	353.8	388.4	428.9	464.1
72.5°	289.9	323.8	353.3	378.2	400.8	424.8	451.6	481.0	517.5	557.9	594.7
70°	363.7	400.9	431.8	461.9	492.6	528.5	568.8	608.4	649.2	693.7	736.6
67.5°	435.8	471.8	508.1	546.0	592.1	640.1	687.7	742.3	798.2	847.7	892.0
65°	498.5	540.7	586.1	637.6	694.4	755.5	819.0	884.5	955.4	1014.8	1069.0
62.5°	558.4	609.1	664.2	728.4	800.9	873.2	954.3	1036.3	1116.1	1186.1	1250.8
60°	613.5	674.9	744.7	823.4	908.0	1004.2	1096.5	1189.7	1277.2	1356.5	1438.3
57.5°	667.2	744.5	828.2	922.6	1029.7	1137.7	1246.2	1346.5	1445.6	1542.1	1634.6
55°	724.0	817.1	916.7	1032.6	1153.3	1281.0	1397.8	1509.8	1618.9	1736.2	1847.6
52.5°	786.5	890.5	1015.1	1144.8	1284.3	1421.4	1549.7	1677.3	1809.2	1941.9	2087.0
50°	846.8	976.5	1113.1	1263.9	1414.5	1561.4	1708.6	1855.5	2013.5	2176.3	2340.7
47.5°	917.2	1058.8	1220.1	1381.9	1546.5	1709.9	1873.9	2051.4	2231.0	2419.7	2601.6
45°	988.5	1147.7	1321.5	1504.5	1682.4	1863.4	2055.1	2251.4	2461.9	2669.5	2888.3
42.5°	1056.1	1236.0	1427.6	1625.2	1823.2	2025.3	2236.1	2465.5	2695.6	2934.9	3175.3
40°	1131.0	1320.0	1531.3	1749.0	1963.7	2187.8	2428.8	2677.2	2937.5	3200.7	3461.8
37.5°	1203.0	1410.8	1632.9	1867.1	2108.1	2354.4	2616.1	2898.0	3180.3	3463.6	3751.4
35°	1270.4	1496.8	1737.4	1986.0	2241.6	2521.8	2814.3	3115.2	3421.1	3727.5	4037.1
32.5°	1339.7	1577.9	1837.2	2103.3	2385.0	2685.5	3005.9	3331.9	3657.7	3984.8	4323.8
30°	1409.2	1663.0	1933.9	2214.2	2522.4	2849.8	3194.1	3539.5	3884.1	4244.1	4605.3
27.5°	1474.9	1743.7	2028.9	2328.9	2654.0	3001.9	3367.6	3737.5	4109.2	4491.9	4877.2
25°	1535.4	1820.1	2117.1	2439.3	2783.8	3148.3	3529.2	3915.3	4322.8	4732.4	5134.7
22.5°	1594.3	1890.3	2198.8	2540.9	2901.5	3284.2	3680.9	4088.6	4514.4	4954.2	5370.7
20°	1651.0	1957.2	2278.3	2633.0	3006.9	3406.6	3818.7	4245.6	4692.4	5144.0	5591.9
17.5°	1701.4	2016.7	2352.3	2719.2	3107.4	3518.4	3942.9	4383.8	4850.5	5318.7	5793.2
15°	1745.3	2068.4	2416.4	2794.3	3196.3	3620.1	4058.2	4511.6	4990.4	5477.8	5971.1
12.5°	1782.4	2112.2	2470.4	2858.2	3271.7	3707.3	4157.3	4626.6	5118.3	5619.3	6127.0
10°	1812.5	2147.9	2514.0	2910.5	3333.3	3779.4	4238.8	4721.5	5227.8	5739.8	6258.1
7.5°	1838.2	2177.7	2548.7	2950.7	3380.7	3835.8	4302.3	4795.4	5315.1	5833.7	6363.4
5°	1856.8	2201.8	2580.5	2984.5	3422.0	3879.9	4350.5	4848.1	5378.9	5900.6	6439.7
2.5°	1868.1	2217.5	2602.2	3006.4	3454.4	3913.0	4393.2	4894.7	5425.6	5953.6	6497.1
0°	1871.8	2224.5	2613.3	3015.7	3472.4	3929.0	4417.3	4919.2	5448.2	5986.2	6533.3
-2.5°	1868.1	2217.5	2602.2	3006.4	3454.4	3913.0	4393.2	4894.7	5425.6	5953.6	6497.1
-5°	1856.8	2201.8	2580.5	2984.5	3422.0	3879.9	4350.5	4848.1	5378.9	5900.6	6439.7
-7.5°	1838.2	2177.7	2548.7	2950.7	3380.7	3835.8	4302.3	4795.4	5315.1	5833.7	6363.4
-10°	1812.5	2147.9	2514.0	2910.5	3333.3	3779.4	4238.8	4721.5	5227.8	5739.8	6258.1
-12.5°	1782.4	2112.2	2470.4	2858.2	3271.7	3707.3	4157.3	4626.6	5118.3	5619.3	6127.0
-15°	1745.3	2068.4	2416.4	2794.3	3196.3	3620.1	4058.2	4511.6	4990.4	5477.8	5971.1
-17.5°	1701.4	2016.7	2352.3	2719.2	3107.4	3518.4	3942.9	4383.8	4850.5	5318.7	5793.2
-20°	1651.0	1957.2	2278.3	2633.0	3006.9	3406.6	3818.7	4245.6	4692.4	5144.0	5591.9



REPORT NUMBER: P627231 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3D-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°	1594.3	1890.3	2198.8	2540.9	2901.5	3284.2	3680.9	4088.6	4514.4	4954.2	5370.7
-25°	1535.4	1820.1	2117.1	2439.3	2783.8	3148.3	3529.2	3915.3	4322.8	4732.4	5134.7
-27.5°	1474.9	1743.7	2028.9	2328.9	2654.0	3001.9	3367.6	3737.5	4109.2	4491.9	4877.2
-30°	1409.2	1663.0	1933.9	2214.2	2522.4	2849.8	3194.1	3539.5	3884.1	4244.1	4605.3
-32.5°	1339.7	1577.9	1837.2	2103.3	2385.0	2685.5	3005.9	3331.9	3657.7	3984.8	4323.8
-35°	1270.4	1496.8	1737.4	1986.0	2241.6	2521.8	2814.3	3115.2	3421.1	3727.5	4037.1
-37.5°	1203.0	1410.8	1632.9	1867.1	2108.1	2354.4	2616.1	2898.0	3180.3	3463.6	3751.4
-40°	1131.0	1320.0	1531.3	1749.0	1963.7	2187.8	2428.8	2677.2	2937.5	3200.7	3461.8
-42.5°	1056.1	1236.0	1427.6	1625.2	1823.2	2025.3	2236.1	2465.5	2695.6	2934.9	3175.3
-45°	988.5	1147.7	1321.5	1504.5	1682.4	1863.4	2055.1	2251.4	2461.9	2669.5	2888.3
-47.5°	917.2	1058.8	1220.1	1381.9	1546.5	1709.9	1873.9	2051.4	2231.0	2419.7	2601.6
-50°	846.8	976.5	1113.1	1263.9	1414.5	1561.4	1708.6	1855.5	2013.5	2176.3	2340.7
-52.5°	786.5	890.5	1015.1	1144.8	1284.3	1421.4	1549.7	1677.3	1809.2	1941.9	2087.0
-55°	724.0	817.1	916.7	1032.6	1153.3	1281.0	1397.8	1509.8	1618.9	1736.2	1847.6
-57.5°	667.2	744.5	828.2	922.6	1029.7	1137.7	1246.2	1346.5	1445.6	1542.1	1634.6
-60°	613.5	674.9	744.7	823.4	908.0	1004.2	1096.5	1189.7	1277.2	1356.5	1438.3
-62.5°	558.4	609.1	664.2	728.4	800.9	873.2	954.3	1036.3	1116.1	1186.1	1250.8
-65°	498.5	540.7	586.1	637.6	694.4	755.5	819.0	884.5	955.4	1014.8	1069.0
-67.5°	435.8	471.8	508.1	546.0	592.1	640.1	687.7	742.3	798.2	847.7	892.0
-70°	363.7	400.9	431.8	461.9	492.6	528.5	568.8	608.4	649.2	693.7	736.6
-72.5°	289.9	323.8	353.3	378.2	400.8	424.8	451.6	481.0	517.5	557.9	594.7
-75°	220.8	247.4	273.8	296.8	312.9	324.8	335.9	353.8	388.4	428.9	464.1
-77.5°	155.4	179.6	200.6	218.6	228.2	236.8	243.7	249.0	275.5	310.1	344.5
-80°	97.9	112.3	131.4	148.3	155.7	159.5	161.2	160.9	181.5	208.9	237.7
-82.5°	55.0	66.3	77.1	87.4	90.1	90.2	89.3	89.6	105.9	124.5	143.6
-85°	17.7	20.3	28.2	35.8	39.5	41.7	42.8	42.6	49.5	57.6	66.2
-87.5°	8.9	10.2	11.5	13.0	13.1	13.1	13.0	12.8	13.3	13.9	14.4
-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: P627231 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3D-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°	14.8	15.3	15.7	16.1	16.4	16.7	17.0	17.3	17.5	16.6	15.6
85°	75.5	80.9	85.8	90.6	95.1	99.5	103.5	107.3	110.8	101.2	90.5
82.5°	163.1	176.2	188.6	201.0	213.3	216.4	217.4	216.9	215.2	198.4	179.7
80°	266.2	288.4	309.3	330.0	350.4	352.8	350.4	346.2	340.3	318.1	293.1
77.5°	378.8	406.7	431.1	453.5	473.8	477.7	477.1	476.1	474.4	451.9	424.6
75°	494.2	521.5	547.8	570.2	588.9	597.4	601.7	604.6	606.3	590.1	568.9
72.5°	628.0	656.4	679.6	701.3	719.7	733.0	742.6	749.8	754.7	749.8	741.1
70°	773.2	803.6	829.2	853.8	878.8	898.8	913.9	924.8	931.7	936.3	939.5
67.5°	936.6	977.5	1013.2	1043.7	1073.9	1102.2	1125.4	1144.4	1159.0	1171.5	1181.0
65°	1120.9	1173.1	1219.5	1262.0	1301.0	1342.0	1375.7	1403.9	1426.7	1445.5	1460.5
62.5°	1314.5	1378.6	1438.1	1495.8	1552.3	1608.0	1650.8	1689.7	1724.4	1754.1	1777.8
60°	1515.7	1588.5	1668.4	1744.6	1814.7	1878.8	1942.4	1997.5	2044.7	2083.8	2115.4
57.5°	1732.0	1826.3	1919.6	2014.3	2103.7	2187.4	2265.8	2334.9	2393.3	2441.2	2481.4
55°	1965.7	2083.6	2191.9	2311.3	2426.6	2531.7	2624.1	2705.4	2775.7	2834.5	2884.5
52.5°	2222.6	2365.8	2506.4	2642.3	2773.3	2895.1	3005.9	3100.5	3184.7	3256.8	3314.4
50°	2503.7	2667.6	2830.5	2981.7	3132.2	3272.6	3399.5	3509.3	3607.3	3692.1	3758.9
47.5°	2797.7	2984.2	3166.2	3339.2	3505.8	3661.8	3799.3	3924.5	4046.6	4146.3	4225.0
45°	3102.9	3312.2	3513.0	3710.8	3894.2	4069.1	4238.7	4394.5	4519.9	4629.7	4721.8
42.5°	3411.9	3645.4	3870.2	4086.0	4287.6	4489.9	4680.7	4851.1	4994.1	5118.8	5223.5
40°	3724.9	3980.5	4228.2	4463.5	4694.0	4914.6	5120.9	5300.6	5461.8	5610.0	5733.5
37.5°	4036.3	4317.5	4592.0	4855.5	5109.4	5348.4	5571.2	5774.3	5956.2	6125.0	6262.2
35°	4349.1	4657.7	4958.1	5248.1	5525.4	5789.1	6033.1	6264.2	6478.7	6649.6	6789.8
32.5°	4660.7	4992.4	5319.4	5638.7	5942.2	6226.5	6490.9	6746.2	6966.8	7154.7	7315.9
30°	4962.3	5321.6	5677.6	6023.8	6351.7	6659.7	6952.5	7222.5	7459.7	7665.2	7846.1
27.5°	5258.2	5644.2	6026.2	6396.1	6750.5	7085.2	7404.7	7697.5	7956.4	8179.8	8370.5
25°	5537.8	5952.7	6359.9	6752.1	7130.7	7499.9	7844.9	8164.4	8440.9	8686.1	8882.1
22.5°	5805.0	6247.4	6675.3	7087.8	7492.9	7890.8	8268.5	8602.1	8895.2	9151.5	9368.4
20°	6053.9	6528.0	6965.8	7402.1	7828.7	8253.6	8659.1	9011.1	9321.1	9594.1	9833.1
17.5°	6286.6	6772.9	7233.8	7698.3	8148.0	8593.7	9005.7	9383.0	9717.5	10007.3	10257.7
15°	6483.5	6974.7	7478.0	7974.0	8448.2	8899.6	9311.1	9705.2	10076.6	10390.1	10644.0
12.5°	6643.0	7153.8	7678.9	8205.4	8706.9	9157.6	9588.6	9988.4	10378.5	10730.6	10963.9
10°	6778.9	7304.9	7847.0	8384.0	8892.1	9369.1	9837.6	10260.3	10643.6	10958.9	11219.5
7.5°	6896.4	7438.2	7988.9	8526.7	9033.1	9526.0	10008.2	10457.2	10844.2	11141.2	11373.7
5°	6983.1	7537.8	8099.1	8641.8	9155.4	9649.8	10134.2	10577.5	10955.3	11257.5	11511.0
2.5°	7045.1	7605.0	8170.3	8713.8	9238.8	9734.4	10231.0	10679.3	11045.1	11322.0	11564.7
0°	7084.9	7645.5	8215.2	8771.3	9286.8	9766.0	10299.6	10720.0	11099.8	11375.6	11628.8
-2.5°	7045.1	7605.0	8170.3	8713.8	9238.8	9734.4	10231.0	10679.3	11045.1	11322.0	11564.7
-5°	6983.1	7537.8	8099.1	8641.8	9155.4	9649.8	10134.2	10577.5	10955.3	11257.5	11511.0
-7.5°	6896.4	7438.2	7988.9	8526.7	9033.1	9526.0	10008.2	10457.2	10844.2	11141.2	11373.7
-10°	6778.9	7304.9	7847.0	8384.0	8892.1	9369.1	9837.6	10260.3	10643.6	10958.9	11219.5
-12.5°	6643.0	7153.8	7678.9	8205.4	8706.9	9157.6	9588.6	9988.4	10378.5	10730.6	10963.9
-15°	6483.5	6974.7	7478.0	7974.0	8448.2	8899.6	9311.1	9705.2	10076.6	10390.1	10644.0
-17.5°	6286.6	6772.9	7233.8	7698.3	8148.0	8593.7	9005.7	9383.0	9717.5	10007.3	10257.7
-20°	6053.9	6528.0	6965.8	7402.1	7828.7	8253.6	8659.1	9011.1	9321.1	9594.1	9833.1



REPORT NUMBER: P627231 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3D-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°	5805.0	6247.4	6675.3	7087.8	7492.9	7890.8	8268.5	8602.1	8895.2	9151.5	9368.4
-25°	5537.8	5952.7	6359.9	6752.1	7130.7	7499.9	7844.9	8164.4	8440.9	8686.1	8882.1
-27.5°	5258.2	5644.2	6026.2	6396.1	6750.5	7085.2	7404.7	7697.5	7956.4	8179.8	8370.5
-30°	4962.3	5321.6	5677.6	6023.8	6351.7	6659.7	6952.5	7222.5	7459.7	7665.2	7846.1
-32.5°	4660.7	4992.4	5319.4	5638.7	5942.2	6226.5	6490.9	6746.2	6966.8	7154.7	7315.9
-35°	4349.1	4657.7	4958.1	5248.1	5525.4	5789.1	6033.1	6264.2	6478.7	6649.6	6789.8
-37.5°	4036.3	4317.5	4592.0	4855.5	5109.4	5348.4	5571.2	5774.3	5956.2	6125.0	6262.2
-40°	3724.9	3980.5	4228.2	4463.5	4694.0	4914.6	5120.9	5300.6	5461.8	5610.0	5733.5
-42.5°	3411.9	3645.4	3870.2	4086.0	4287.6	4489.9	4680.7	4851.1	4994.1	5118.8	5223.5
-45°	3102.9	3312.2	3513.0	3710.8	3894.2	4069.1	4238.7	4394.5	4519.9	4629.7	4721.8
-47.5°	2797.7	2984.2	3166.2	3339.2	3505.8	3661.8	3799.3	3924.5	4046.6	4146.3	4225.0
-50°	2503.7	2667.6	2830.5	2981.7	3132.2	3272.6	3399.5	3509.3	3607.3	3692.1	3758.9
-52.5°	2222.6	2365.8	2506.4	2642.3	2773.3	2895.1	3005.9	3100.5	3184.7	3256.8	3314.4
-55°	1965.7	2083.6	2191.9	2311.3	2426.6	2531.7	2624.1	2705.4	2775.7	2834.5	2884.5
-57.5°	1732.0	1826.3	1919.6	2014.3	2103.7	2187.4	2265.8	2334.9	2393.3	2441.2	2481.4
-60°	1515.7	1588.5	1668.4	1744.6	1814.7	1878.8	1942.4	1997.5	2044.7	2083.8	2115.4
-62.5°	1314.5	1378.6	1438.1	1495.8	1552.3	1608.0	1650.8	1689.7	1724.4	1754.1	1777.8
-65°	1120.9	1173.1	1219.5	1262.0	1301.0	1342.0	1375.7	1403.9	1426.7	1445.5	1460.5
-67.5°	936.6	977.5	1013.2	1043.7	1073.9	1102.2	1125.4	1144.4	1159.0	1171.5	1181.0
-70°	773.2	803.6	829.2	853.8	878.8	898.8	913.9	924.8	931.7	936.3	939.5
-72.5°	628.0	656.4	679.6	701.3	719.7	733.0	742.6	749.8	754.7	749.8	741.1
-75°	494.2	521.5	547.8	570.2	588.9	597.4	601.7	604.6	606.3	590.1	568.9
-77.5°	378.8	406.7	431.1	453.5	473.8	477.7	477.1	476.1	474.4	451.9	424.6
-80°	266.2	288.4	309.3	330.0	350.4	352.8	350.4	346.2	340.3	318.1	293.1
-82.5°	163.1	176.2	188.6	201.0	213.3	216.4	217.4	216.9	215.2	198.4	179.7
-85°	75.5	80.9	85.8	90.6	95.1	99.5	103.5	107.3	110.8	101.2	90.5
-87.5°	14.8	15.3	15.7	16.1	16.4	16.7	17.0	17.3	17.5	16.6	15.6
-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: P627231 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3D-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°	14.6	13.6	13.6	13.6	13.6	13.6	14.6	15.6	16.6	17.5	17.3
85°	79.3	67.5	63.2	58.8	63.2	67.5	79.3	90.5	101.2	110.8	107.3
82.5°	160.1	139.7	133.3	126.6	133.3	139.7	160.1	179.7	198.4	215.2	216.9
80°	266.6	239.0	228.1	217.0	228.1	239.0	266.6	293.1	318.1	340.3	346.2
77.5°	395.7	365.3	352.4	339.1	352.4	365.3	395.7	424.6	451.9	474.4	476.1
75°	546.5	522.7	508.3	492.8	508.3	522.7	546.5	568.9	590.1	606.3	604.6
72.5°	731.2	719.6	709.1	696.3	709.1	719.6	731.2	741.1	749.8	754.7	749.8
70°	940.6	939.2	941.0	940.4	941.0	939.2	940.6	939.5	936.3	931.7	924.8
67.5°	1186.0	1186.3	1191.3	1193.6	1191.3	1186.3	1186.0	1181.0	1171.5	1159.0	1144.4
65°	1469.9	1473.3	1472.0	1464.9	1472.0	1473.3	1469.9	1460.5	1445.5	1426.7	1403.9
62.5°	1794.7	1804.4	1809.8	1808.5	1809.8	1804.4	1794.7	1777.8	1754.1	1724.4	1689.7
60°	2138.9	2154.2	2162.0	2161.2	2162.0	2154.2	2138.9	2115.4	2083.8	2044.7	1997.5
57.5°	2511.4	2531.0	2535.6	2527.4	2535.6	2531.0	2511.4	2481.4	2441.2	2393.3	2334.9
55°	2922.2	2947.3	2957.0	2952.4	2957.0	2947.3	2922.2	2884.5	2834.5	2775.7	2705.4
52.5°	3356.7	3383.8	3393.4	3386.5	3393.4	3383.8	3356.7	3314.4	3256.8	3184.7	3100.5
50°	3807.8	3840.7	3853.9	3847.6	3853.9	3840.7	3807.8	3758.9	3692.1	3607.3	3509.3
47.5°	4286.8	4330.5	4347.5	4335.9	4347.5	4330.5	4286.8	4225.0	4146.3	4046.6	3924.5
45°	4790.7	4836.1	4853.7	4842.3	4853.7	4836.1	4790.7	4721.8	4629.7	4519.9	4394.5
42.5°	5303.7	5362.6	5387.5	5366.8	5387.5	5362.6	5303.7	5223.5	5118.8	4994.1	4851.1
40°	5825.7	5889.6	5919.1	5904.8	5919.1	5889.6	5825.7	5733.5	5610.0	5461.8	5300.6
37.5°	6361.1	6424.8	6456.0	6456.4	6456.0	6424.8	6361.1	6262.2	6125.0	5956.2	5774.3
35°	6898.5	6975.6	7019.2	7017.1	7019.2	6975.6	6898.5	6789.8	6649.6	6478.7	6264.2
32.5°	7443.4	7526.9	7571.4	7577.7	7571.4	7526.9	7443.4	7315.9	7154.7	6966.8	6746.2
30°	7987.4	8079.2	8130.7	8151.9	8130.7	8079.2	7987.4	7846.1	7665.2	7459.7	7222.5
27.5°	8515.0	8627.9	8705.8	8712.6	8705.8	8627.9	8515.0	8370.5	8179.8	7956.4	7697.5
25°	9025.9	9140.9	9220.8	9237.0	9220.8	9140.9	9025.9	8882.1	8686.1	8440.9	8164.4
22.5°	9529.5	9649.7	9723.5	9752.5	9723.5	9649.7	9529.5	9368.4	9151.5	8895.2	8602.1
20°	10010.2	10140.5	10218.7	10249.8	10218.7	10140.5	10010.2	9833.1	9594.1	9321.1	9011.1
17.5°	10445.1	10582.7	10679.3	10706.5	10679.3	10582.7	10445.1	10257.7	10007.3	9717.5	9383.0
15°	10827.9	10958.4	11050.1	11086.3	11050.1	10958.4	10827.9	10644.0	10390.1	10076.6	9705.2
12.5°	11139.4	11256.1	11328.0	11362.1	11328.0	11256.1	11139.4	10963.9	10730.6	10378.5	9988.4
10°	11382.8	11499.9	11568.5	11615.3	11568.5	11499.9	11382.8	11219.5	10958.9	10643.6	10260.3
7.5°	11594.0	11714.0	11798.0	11863.9	11798.0	11714.0	11594.0	11373.7	11141.2	10844.2	10457.2
5°	11710.7	11911.0	11941.1	11986.0	11941.1	11911.0	11710.7	11511.0	11257.5	10955.3	10577.5
2.5°	11799.6	11941.6	12027.1	12017.7	12027.1	11941.6	11799.6	11564.7	11322.0	11045.1	10679.3
0°	11863.9	11990.5	12022.2	12062.9	12022.2	11990.5	11863.9	11628.8	11375.6	11099.8	10720.0
-2.5°	11799.6	11941.6	12027.1	12017.7	12027.1	11941.6	11799.6	11564.7	11322.0	11045.1	10679.3
-5°	11710.7	11911.0	11941.1	11986.0	11941.1	11911.0	11710.7	11511.0	11257.5	10955.3	10577.5
-7.5°	11594.0	11714.0	11798.0	11863.9	11798.0	11714.0	11594.0	11373.7	11141.2	10844.2	10457.2
-10°	11382.8	11499.9	11568.5	11615.3	11568.5	11499.9	11382.8	11219.5	10958.9	10643.6	10260.3
-12.5°	11139.4	11256.1	11328.0	11362.1	11328.0	11256.1	11139.4	10963.9	10730.6	10378.5	9988.4
-15°	10827.9	10958.4	11050.1	11086.3	11050.1	10958.4	10827.9	10644.0	10390.1	10076.6	9705.2
-17.5°	10445.1	10582.7	10679.3	10706.5	10679.3	10582.7	10445.1	10257.7	10007.3	9717.5	9383.0
-20°	10010.2	10140.5	10218.7	10249.8	10218.7	10140.5	10010.2	9833.1	9594.1	9321.1	9011.1



REPORT NUMBER: P627231 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3D-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°	9529.5	9649.7	9723.5	9752.5	9723.5	9649.7	9529.5	9368.4	9151.5	8895.2	8602.1
-25°	9025.9	9140.9	9220.8	9237.0	9220.8	9140.9	9025.9	8882.1	8686.1	8440.9	8164.4
-27.5°	8515.0	8627.9	8705.8	8712.6	8705.8	8627.9	8515.0	8370.5	8179.8	7956.4	7697.5
-30°	7987.4	8079.2	8130.7	8151.9	8130.7	8079.2	7987.4	7846.1	7665.2	7459.7	7222.5
-32.5°	7443.4	7526.9	7571.4	7577.7	7571.4	7526.9	7443.4	7315.9	7154.7	6966.8	6746.2
-35°	6898.5	6975.6	7019.2	7017.1	7019.2	6975.6	6898.5	6789.8	6649.6	6478.7	6264.2
-37.5°	6361.1	6424.8	6456.0	6456.4	6456.0	6424.8	6361.1	6262.2	6125.0	5956.2	5774.3
-40°	5825.7	5889.6	5919.1	5904.8	5919.1	5889.6	5825.7	5733.5	5610.0	5461.8	5300.6
-42.5°	5303.7	5362.6	5387.5	5366.8	5387.5	5362.6	5303.7	5223.5	5118.8	4994.1	4851.1
-45°	4790.7	4836.1	4853.7	4842.3	4853.7	4836.1	4790.7	4721.8	4629.7	4519.9	4394.5
-47.5°	4286.8	4330.5	4347.5	4335.9	4347.5	4330.5	4286.8	4225.0	4146.3	4046.6	3924.5
-50°	3807.8	3840.7	3853.9	3847.6	3853.9	3840.7	3807.8	3758.9	3692.1	3607.3	3509.3
-52.5°	3356.7	3383.8	3393.4	3386.5	3393.4	3383.8	3356.7	3314.4	3256.8	3184.7	3100.5
-55°	2922.2	2947.3	2957.0	2952.4	2957.0	2947.3	2922.2	2884.5	2834.5	2775.7	2705.4
-57.5°	2511.4	2531.0	2535.6	2527.4	2535.6	2531.0	2511.4	2481.4	2441.2	2393.3	2334.9
-60°	2138.9	2154.2	2162.0	2161.2	2162.0	2154.2	2138.9	2115.4	2083.8	2044.7	1997.5
-62.5°	1794.7	1804.4	1809.8	1808.5	1809.8	1804.4	1794.7	1777.8	1754.1	1724.4	1689.7
-65°	1469.9	1473.3	1472.0	1464.9	1472.0	1473.3	1469.9	1460.5	1445.5	1426.7	1403.9
-67.5°	1186.0	1186.3	1191.3	1193.6	1191.3	1186.3	1186.0	1181.0	1171.5	1159.0	1144.4
-70°	940.6	939.2	941.0	940.4	941.0	939.2	940.6	939.5	936.3	931.7	924.8
-72.5°	731.2	719.6	709.1	696.3	709.1	719.6	731.2	741.1	749.8	754.7	749.8
-75°	546.5	522.7	508.3	492.8	508.3	522.7	546.5	568.9	590.1	606.3	604.6
-77.5°	395.7	365.3	352.4	339.1	352.4	365.3	395.7	424.6	451.9	474.4	476.1
-80°	266.6	239.0	228.1	217.0	228.1	239.0	266.6	293.1	318.1	340.3	346.2
-82.5°	160.1	139.7	133.3	126.6	133.3	139.7	160.1	179.7	198.4	215.2	216.9
-85°	79.3	67.5	63.2	58.8	63.2	67.5	79.3	90.5	101.2	110.8	107.3
-87.5°	14.6	13.6	13.6	13.6	13.6	13.6	14.6	15.6	16.6	17.5	17.3
-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: P627231 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3D-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°	17.0	16.7	16.4	16.1	15.7	15.3	14.8	14.4	13.9	13.3	12.8
85°	103.5	99.5	95.1	90.6	85.8	80.9	75.5	66.2	57.6	49.5	42.6
82.5°	217.4	216.4	213.3	201.0	188.6	176.2	163.1	143.6	124.5	105.9	89.6
80°	350.4	352.8	350.4	330.0	309.3	288.4	266.2	237.7	208.9	181.5	160.9
77.5°	477.1	477.7	473.8	453.5	431.1	406.7	378.8	344.5	310.1	275.5	249.0
75°	601.7	597.4	588.9	570.2	547.8	521.5	494.2	464.1	428.9	388.4	353.8
72.5°	742.6	733.0	719.7	701.3	679.6	656.4	628.0	594.7	557.9	517.5	481.0
70°	913.9	898.8	878.8	853.8	829.2	803.6	773.2	736.6	693.7	649.2	608.4
67.5°	1125.4	1102.2	1073.9	1043.7	1013.2	977.5	936.6	892.0	847.7	798.2	742.3
65°	1375.7	1342.0	1301.0	1262.0	1219.5	1173.1	1120.9	1069.0	1014.8	955.4	884.5
62.5°	1650.8	1608.0	1552.3	1495.8	1438.1	1378.6	1314.5	1250.8	1186.1	1116.1	1036.3
60°	1942.4	1878.8	1814.7	1744.6	1668.4	1588.5	1515.7	1438.3	1356.5	1277.2	1189.7
57.5°	2265.8	2187.4	2103.7	2014.3	1919.6	1826.3	1732.0	1634.6	1542.1	1445.6	1346.5
55°	2624.1	2531.7	2426.6	2311.3	2191.9	2083.6	1965.7	1847.6	1736.2	1618.9	1509.8
52.5°	3005.9	2895.1	2773.3	2642.3	2506.4	2365.8	2222.6	2087.0	1941.9	1809.2	1677.3
50°	3399.5	3272.6	3132.2	2981.7	2830.5	2667.6	2503.7	2340.7	2176.3	2013.5	1855.5
47.5°	3799.3	3661.8	3505.8	3339.2	3166.2	2984.2	2797.7	2601.6	2419.7	2231.0	2051.4
45°	4238.7	4069.1	3894.2	3710.8	3513.0	3312.2	3102.9	2888.3	2669.5	2461.9	2251.4
42.5°	4680.7	4489.9	4287.6	4086.0	3870.2	3645.4	3411.9	3175.3	2934.9	2695.6	2465.5
40°	5120.9	4914.6	4694.0	4463.5	4228.2	3980.5	3724.9	3461.8	3200.7	2937.5	2677.2
37.5°	5571.2	5348.4	5109.4	4855.5	4592.0	4317.5	4036.3	3751.4	3463.6	3180.3	2898.0
35°	6033.1	5789.1	5525.4	5248.1	4958.1	4657.7	4349.1	4037.1	3727.5	3421.1	3115.2
32.5°	6490.9	6226.5	5942.2	5638.7	5319.4	4992.4	4660.7	4323.8	3984.8	3657.7	3331.9
30°	6952.5	6659.7	6351.7	6023.8	5677.6	5321.6	4962.3	4605.3	4244.1	3884.1	3539.5
27.5°	7404.7	7085.2	6750.5	6396.1	6026.2	5644.2	5258.2	4877.2	4491.9	4109.2	3737.5
25°	7844.9	7499.9	7130.7	6752.1	6359.9	5952.7	5537.8	5134.7	4732.4	4322.8	3915.3
22.5°	8268.5	7890.8	7492.9	7087.8	6675.3	6247.4	5805.0	5370.7	4954.2	4514.4	4088.6
20°	8659.1	8253.6	7828.7	7402.1	6965.8	6528.0	6053.9	5591.9	5144.0	4692.4	4245.6
17.5°	9005.7	8593.7	8148.0	7698.3	7233.8	6772.9	6286.6	5793.2	5318.7	4850.5	4383.8
15°	9311.1	8899.6	8448.2	7974.0	7478.0	6974.7	6483.5	5971.1	5477.8	4990.4	4511.6
12.5°	9588.6	9157.6	8706.9	8205.4	7678.9	7153.8	6643.0	6127.0	5619.3	5118.3	4626.6
10°	9837.6	9369.1	8892.1	8384.0	7847.0	7304.9	6778.9	6258.1	5739.8	5227.8	4721.5
7.5°	10008.2	9526.0	9033.1	8526.7	7988.9	7438.2	6896.4	6363.4	5833.7	5315.1	4795.4
5°	10134.2	9649.8	9155.4	8641.8	8099.1	7537.8	6983.1	6439.7	5900.6	5378.9	4848.1
2.5°	10231.0	9734.4	9238.8	8713.8	8170.3	7605.0	7045.1	6497.1	5953.6	5425.6	4894.7
0°	10299.6	9766.0	9286.8	8771.3	8215.2	7645.5	7084.9	6533.3	5986.2	5448.2	4919.2
-2.5°	10231.0	9734.4	9238.8	8713.8	8170.3	7605.0	7045.1	6497.1	5953.6	5425.6	4894.7
-5°	10134.2	9649.8	9155.4	8641.8	8099.1	7537.8	6983.1	6439.7	5900.6	5378.9	4848.1
-7.5°	10008.2	9526.0	9033.1	8526.7	7988.9	7438.2	6896.4	6363.4	5833.7	5315.1	4795.4
-10°	9837.6	9369.1	8892.1	8384.0	7847.0	7304.9	6778.9	6258.1	5739.8	5227.8	4721.5
-12.5°	9588.6	9157.6	8706.9	8205.4	7678.9	7153.8	6643.0	6127.0	5619.3	5118.3	4626.6
-15°	9311.1	8899.6	8448.2	7974.0	7478.0	6974.7	6483.5	5971.1	5477.8	4990.4	4511.6
-17.5°	9005.7	8593.7	8148.0	7698.3	7233.8	6772.9	6286.6	5793.2	5318.7	4850.5	4383.8
-20°	8659.1	8253.6	7828.7	7402.1	6965.8	6528.0	6053.9	5591.9	5144.0	4692.4	4245.6



REPORT NUMBER: P627231 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3D-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°	8268.5	7890.8	7492.9	7087.8	6675.3	6247.4	5805.0	5370.7	4954.2	4514.4	4088.6
-25°	7844.9	7499.9	7130.7	6752.1	6359.9	5952.7	5537.8	5134.7	4732.4	4322.8	3915.3
-27.5°	7404.7	7085.2	6750.5	6396.1	6026.2	5644.2	5258.2	4877.2	4491.9	4109.2	3737.5
-30°	6952.5	6659.7	6351.7	6023.8	5677.6	5321.6	4962.3	4605.3	4244.1	3884.1	3539.5
-32.5°	6490.9	6226.5	5942.2	5638.7	5319.4	4992.4	4660.7	4323.8	3984.8	3657.7	3331.9
-35°	6033.1	5789.1	5525.4	5248.1	4958.1	4657.7	4349.1	4037.1	3727.5	3421.1	3115.2
-37.5°	5571.2	5348.4	5109.4	4855.5	4592.0	4317.5	4036.3	3751.4	3463.6	3180.3	2898.0
-40°	5120.9	4914.6	4694.0	4463.5	4228.2	3980.5	3724.9	3461.8	3200.7	2937.5	2677.2
-42.5°	4680.7	4489.9	4287.6	4086.0	3870.2	3645.4	3411.9	3175.3	2934.9	2695.6	2465.5
-45°	4238.7	4069.1	3894.2	3710.8	3513.0	3312.2	3102.9	2888.3	2669.5	2461.9	2251.4
-47.5°	3799.3	3661.8	3505.8	3339.2	3166.2	2984.2	2797.7	2601.6	2419.7	2231.0	2051.4
-50°	3399.5	3272.6	3132.2	2981.7	2830.5	2667.6	2503.7	2340.7	2176.3	2013.5	1855.5
-52.5°	3005.9	2895.1	2773.3	2642.3	2506.4	2365.8	2222.6	2087.0	1941.9	1809.2	1677.3
-55°	2624.1	2531.7	2426.6	2311.3	2191.9	2083.6	1965.7	1847.6	1736.2	1618.9	1509.8
-57.5°	2265.8	2187.4	2103.7	2014.3	1919.6	1826.3	1732.0	1634.6	1542.1	1445.6	1346.5
-60°	1942.4	1878.8	1814.7	1744.6	1668.4	1588.5	1515.7	1438.3	1356.5	1277.2	1189.7
-62.5°	1650.8	1608.0	1552.3	1495.8	1438.1	1378.6	1314.5	1250.8	1186.1	1116.1	1036.3
-65°	1375.7	1342.0	1301.0	1262.0	1219.5	1173.1	1120.9	1069.0	1014.8	955.4	884.5
-67.5°	1125.4	1102.2	1073.9	1043.7	1013.2	977.5	936.6	892.0	847.7	798.2	742.3
-70°	913.9	898.8	878.8	853.8	829.2	803.6	773.2	736.6	693.7	649.2	608.4
-72.5°	742.6	733.0	719.7	701.3	679.6	656.4	628.0	594.7	557.9	517.5	481.0
-75°	601.7	597.4	588.9	570.2	547.8	521.5	494.2	464.1	428.9	388.4	353.8
-77.5°	477.1	477.7	473.8	453.5	431.1	406.7	378.8	344.5	310.1	275.5	249.0
-80°	350.4	352.8	350.4	330.0	309.3	288.4	266.2	237.7	208.9	181.5	160.9
-82.5°	217.4	216.4	213.3	201.0	188.6	176.2	163.1	143.6	124.5	105.9	89.6
-85°	103.5	99.5	95.1	90.6	85.8	80.9	75.5	66.2	57.6	49.5	42.6
-87.5°	17.0	16.7	16.4	16.1	15.7	15.3	14.8	14.4	13.9	13.3	12.8
-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: P627231 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3D-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°	13.0	13.1	13.1	13.0	11.5	10.2	8.9	7.6	6.9	6.2	5.4
85°	42.8	41.7	39.5	35.8	28.2	20.3	17.7	15.3	13.8	12.4	10.9
82.5°	89.3	90.2	90.1	87.4	77.1	66.3	55.0	43.3	32.1	20.4	16.3
80°	161.2	159.5	155.7	148.3	131.4	112.3	97.9	83.1	68.5	53.3	37.5
77.5°	243.7	236.8	228.2	218.6	200.6	179.6	155.4	127.9	104.8	86.1	66.6
75°	335.9	324.8	312.9	296.8	273.8	247.4	220.8	188.8	153.3	119.9	95.6
72.5°	451.6	424.8	400.8	378.2	353.3	323.8	289.9	248.7	205.5	164.8	126.6
70°	568.8	528.5	492.6	461.9	431.8	400.9	363.7	312.9	256.8	208.8	163.9
67.5°	687.7	640.1	592.1	546.0	508.1	471.8	435.8	376.8	312.5	251.9	200.3
65°	819.0	755.5	694.4	637.6	586.1	540.7	498.5	436.6	366.5	298.4	235.7
62.5°	954.3	873.2	800.9	728.4	664.2	609.1	558.4	490.1	418.1	343.3	272.6
60°	1096.5	1004.2	908.0	823.4	744.7	674.9	613.5	542.8	466.5	386.6	309.3
57.5°	1246.2	1137.7	1029.7	922.6	828.2	744.5	667.2	592.8	513.9	429.2	343.5
55°	1397.8	1281.0	1153.3	1032.6	916.7	817.1	724.0	640.8	559.8	471.1	373.0
52.5°	1549.7	1421.4	1284.3	1144.8	1015.1	890.5	786.5	687.5	602.0	512.1	403.8
50°	1708.6	1561.4	1414.5	1263.9	1113.1	976.5	846.8	741.1	643.0	551.0	432.9
47.5°	1873.9	1709.9	1546.5	1381.9	1220.1	1058.8	917.2	793.6	682.6	586.3	460.1
45°	2055.1	1863.4	1682.4	1504.5	1321.5	1147.7	988.5	843.9	727.5	613.7	485.1
42.5°	2236.1	2025.3	1823.2	1625.2	1427.6	1236.0	1056.1	903.0	770.5	640.0	508.1
40°	2428.8	2187.8	1963.7	1749.0	1531.3	1320.0	1131.0	960.7	810.7	667.2	529.9
37.5°	2616.1	2354.4	2108.1	1867.1	1632.9	1410.8	1203.0	1014.7	848.9	697.8	550.5
35°	2814.3	2521.8	2241.6	1986.0	1737.4	1496.8	1270.4	1069.1	892.8	727.7	570.0
32.5°	3005.9	2685.5	2385.0	2103.3	1837.2	1577.9	1339.7	1126.8	935.0	756.7	588.2
30°	3194.1	2849.8	2522.4	2214.2	1933.9	1663.0	1409.2	1180.8	975.4	784.6	606.4
27.5°	3367.6	3001.9	2654.0	2328.9	2028.9	1743.7	1474.9	1230.8	1013.7	813.3	627.6
25°	3529.2	3148.3	2783.8	2439.3	2117.1	1820.1	1535.4	1277.1	1052.7	843.3	647.2
22.5°	3680.9	3284.2	2901.5	2540.9	2198.8	1890.3	1594.3	1326.3	1089.6	870.9	665.2
20°	3818.7	3406.6	3006.9	2633.0	2278.3	1957.2	1651.0	1370.5	1122.6	896.0	681.4
17.5°	3942.9	3518.4	3107.4	2719.2	2352.3	2016.7	1701.4	1409.5	1151.6	918.3	695.6
15°	4058.2	3620.1	3196.3	2794.3	2416.4	2068.4	1745.3	1443.1	1176.4	937.7	709.2
12.5°	4157.3	3707.3	3271.7	2858.2	2470.4	2112.2	1782.4	1471.2	1197.0	955.2	722.0
10°	4238.8	3779.4	3333.3	2910.5	2514.0	2147.9	1812.5	1494.9	1216.3	970.4	731.9
7.5°	4302.3	3835.8	3380.7	2950.7	2548.7	2177.7	1838.2	1515.4	1231.9	982.1	738.7
5°	4350.5	3879.9	3422.0	2984.5	2580.5	2201.8	1856.8	1530.0	1243.2	990.1	742.6
2.5°	4393.2	3913.0	3454.4	3006.4	2602.2	2217.5	1868.1	1538.9	1250.1	994.3	743.6
0°	4417.3	3929.0	3472.4	3015.7	2613.3	2224.5	1871.8	1541.8	1252.4	994.7	741.5
-2.5°	4393.2	3913.0	3454.4	3006.4	2602.2	2217.5	1868.1	1538.9	1250.1	994.3	743.6
-5°	4350.5	3879.9	3422.0	2984.5	2580.5	2201.8	1856.8	1530.0	1243.2	990.1	742.6
-7.5°	4302.3	3835.8	3380.7	2950.7	2548.7	2177.7	1838.2	1515.4	1231.9	982.1	738.7
-10°	4238.8	3779.4	3333.3	2910.5	2514.0	2147.9	1812.5	1494.9	1216.3	970.4	731.9
-12.5°	4157.3	3707.3	3271.7	2858.2	2470.4	2112.2	1782.4	1471.2	1197.0	955.2	722.0
-15°	4058.2	3620.1	3196.3	2794.3	2416.4	2068.4	1745.3	1443.1	1176.4	937.7	709.2
-17.5°	3942.9	3518.4	3107.4	2719.2	2352.3	2016.7	1701.4	1409.5	1151.6	918.3	695.6
-20°	3818.7	3406.6	3006.9	2633.0	2278.3	1957.2	1651.0	1370.5	1122.6	896.0	681.4



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CATALOG NUMBER: GFLD-SA3D-740-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	3680.9	3284.2	2901.5	2540.9	2198.8	1890.3	1594.3	1326.3	1089.6	870.9	665.2
-25°	3529.2	3148.3	2783.8	2439.3	2117.1	1820.1	1535.4	1277.1	1052.7	843.3	647.2
-27.5°	3367.6	3001.9	2654.0	2328.9	2028.9	1743.7	1474.9	1230.8	1013.7	813.3	627.6
-30°	3194.1	2849.8	2522.4	2214.2	1933.9	1663.0	1409.2	1180.8	975.4	784.6	606.4
-32.5°	3005.9	2685.5	2385.0	2103.3	1837.2	1577.9	1339.7	1126.8	935.0	756.7	588.2
-35°	2814.3	2521.8	2241.6	1986.0	1737.4	1496.8	1270.4	1069.1	892.8	727.7	570.0
-37.5°	2616.1	2354.4	2108.1	1867.1	1632.9	1410.8	1203.0	1014.7	848.9	697.8	550.5
-40°	2428.8	2187.8	1963.7	1749.0	1531.3	1320.0	1131.0	960.7	810.7	667.2	529.9
-42.5°	2236.1	2025.3	1823.2	1625.2	1427.6	1236.0	1056.1	903.0	770.5	640.0	508.1
-45°	2055.1	1863.4	1682.4	1504.5	1321.5	1147.7	988.5	843.9	727.5	613.7	485.1
-47.5°	1873.9	1709.9	1546.5	1381.9	1220.1	1058.8	917.2	793.6	682.6	586.3	460.1
-50°	1708.6	1561.4	1414.5	1263.9	1113.1	976.5	846.8	741.1	643.0	551.0	432.9
-52.5°	1549.7	1421.4	1284.3	1144.8	1015.1	890.5	786.5	687.5	602.0	512.1	403.8
-55°	1397.8	1281.0	1153.3	1032.6	916.7	817.1	724.0	640.8	559.8	471.1	373.0
-57.5°	1246.2	1137.7	1029.7	922.6	828.2	744.5	667.2	592.8	513.9	429.2	343.5
-60°	1096.5	1004.2	908.0	823.4	744.7	674.9	613.5	542.8	466.5	386.6	309.3
-62.5°	954.3	873.2	800.9	728.4	664.2	609.1	558.4	490.1	418.1	343.3	272.6
-65°	819.0	755.5	694.4	637.6	586.1	540.7	498.5	436.6	366.5	298.4	235.7
-67.5°	687.7	640.1	592.1	546.0	508.1	471.8	435.8	376.8	312.5	251.9	200.3
-70°	568.8	528.5	492.6	461.9	431.8	400.9	363.7	312.9	256.8	208.8	163.9
-72.5°	451.6	424.8	400.8	378.2	353.3	323.8	289.9	248.7	205.5	164.8	126.6
-75°	335.9	324.8	312.9	296.8	273.8	247.4	220.8	188.8	153.3	119.9	95.6
-77.5°	243.7	236.8	228.2	218.6	200.6	179.6	155.4	127.9	104.8	86.1	66.6
-80°	161.2	159.5	155.7	148.3	131.4	112.3	97.9	83.1	68.5	53.3	37.5
-82.5°	89.3	90.2	90.1	87.4	77.1	66.3	55.0	43.3	32.1	20.4	16.3
-85°	42.8	41.7	39.5	35.8	28.2	20.3	17.7	15.3	13.8	12.4	10.9
-87.5°	13.0	13.1	13.1	13.0	11.5	10.2	8.9	7.6	6.9	6.2	5.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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REPORT NUMBER: P627231 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3D-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°	4.7	3.9	3.1	2.4	1.6	0.7	0.0
85°	9.4	7.8	6.3	4.7	3.1	1.4	0.0
82.5°	14.0	11.7	9.4	7.1	4.7	2.1	0.0
80°	21.1	15.6	12.5	9.4	6.3	2.7	0.0
77.5°	45.9	24.4	15.6	11.7	7.8	3.4	0.0
75°	70.2	42.3	20.3	14.0	9.3	4.1	0.0
72.5°	93.7	59.6	32.4	16.3	10.7	4.7	0.0
70°	117.1	76.3	44.0	19.5	12.2	5.4	0.0
67.5°	145.3	92.3	55.2	26.7	13.6	6.0	0.0
65°	172.2	110.3	65.9	33.6	14.9	6.6	0.0
62.5°	197.8	129.9	76.1	40.3	16.2	7.2	0.0
60°	221.9	148.5	85.6	46.5	17.5	7.8	0.0
57.5°	247.3	165.9	98.3	52.4	21.0	8.3	0.0
55°	271.3	182.1	110.4	57.9	24.4	8.9	0.0
52.5°	293.6	197.6	121.7	62.9	27.7	9.4	0.0
50°	314.0	213.9	132.1	67.6	30.9	9.8	0.0
47.5°	333.1	228.8	141.5	72.4	33.9	10.3	0.0
45°	354.3	242.3	150.0	78.7	36.8	10.7	0.0
42.5°	373.8	254.3	157.6	84.4	39.5	11.1	0.0
40°	391.5	264.7	165.1	90.2	42.0	11.5	0.0
37.5°	407.4	273.6	172.6	95.9	44.4	11.9	0.0
35°	421.3	284.0	179.1	101.3	46.7	12.2	0.0
32.5°	434.3	294.3	184.5	106.2	48.7	12.5	0.0
30°	447.7	303.2	188.8	110.8	50.6	12.8	0.0
27.5°	459.8	310.5	195.2	114.8	52.3	13.0	0.0
25°	470.4	316.3	201.3	118.5	53.8	13.2	0.0
22.5°	479.5	322.1	206.6	121.7	55.1	13.4	0.0
20°	487.0	330.1	211.2	124.5	56.2	13.5	0.0
17.5°	496.4	336.7	215.1	126.9	57.2	13.6	0.0
15°	506.1	341.8	218.2	128.8	58.0	13.7	0.0
12.5°	514.1	345.4	220.6	130.3	58.6	13.8	0.0
10°	520.1	347.7	222.2	131.3	59.0	13.8	0.0
7.5°	524.2	348.6	223.1	131.9	59.2	13.8	0.0
5°	526.4	348.2	223.3	132.1	59.2	13.7	0.0
2.5°	526.5	346.5	222.7	131.8	59.1	13.7	0.0
0°	524.5	343.6	221.5	131.1	58.8	13.6	0.0
-2.5°	526.5	346.5	222.7	131.8	59.1	13.7	0.0
-5°	526.4	348.2	223.3	132.1	59.2	13.7	0.0
-7.5°	524.2	348.6	223.1	131.9	59.2	13.8	0.0
-10°	520.1	347.7	222.2	131.3	59.0	13.8	0.0
-12.5°	514.1	345.4	220.6	130.3	58.6	13.8	0.0
-15°	506.1	341.8	218.2	128.8	58.0	13.7	0.0
-17.5°	496.4	336.7	215.1	126.9	57.2	13.6	0.0
-20°	487.0	330.1	211.2	124.5	56.2	13.5	0.0

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REPORT NUMBER: P627231 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3D-740-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	479.5	322.1	206.6	121.7	55.1	13.4	0.0
-25°	470.4	316.3	201.3	118.5	53.8	13.2	0.0
-27.5°	459.8	310.5	195.2	114.8	52.3	13.0	0.0
-30°	447.7	303.2	188.8	110.8	50.6	12.8	0.0
-32.5°	434.3	294.3	184.5	106.2	48.7	12.5	0.0
-35°	421.3	284.0	179.1	101.3	46.7	12.2	0.0
-37.5°	407.4	273.6	172.6	95.9	44.4	11.9	0.0
-40°	391.5	264.7	165.1	90.2	42.0	11.5	0.0
-42.5°	373.8	254.3	157.6	84.4	39.5	11.1	0.0
-45°	354.3	242.3	150.0	78.7	36.8	10.7	0.0
-47.5°	333.1	228.8	141.5	72.4	33.9	10.3	0.0
-50°	314.0	213.9	132.1	67.6	30.9	9.8	0.0
-52.5°	293.6	197.6	121.7	62.9	27.7	9.4	0.0
-55°	271.3	182.1	110.4	57.9	24.4	8.9	0.0
-57.5°	247.3	165.9	98.3	52.4	21.0	8.3	0.0
-60°	221.9	148.5	85.6	46.5	17.5	7.8	0.0
-62.5°	197.8	129.9	76.1	40.3	16.2	7.2	0.0
-65°	172.2	110.3	65.9	33.6	14.9	6.6	0.0
-67.5°	145.3	92.3	55.2	26.7	13.6	6.0	0.0
-70°	117.1	76.3	44.0	19.5	12.2	5.4	0.0
-72.5°	93.7	59.6	32.4	16.3	10.7	4.7	0.0
-75°	70.2	42.3	20.3	14.0	9.3	4.1	0.0
-77.5°	45.9	24.4	15.6	11.7	7.8	3.4	0.0
-80°	21.1	15.6	12.5	9.4	6.3	2.7	0.0
-82.5°	14.0	11.7	9.4	7.1	4.7	2.1	0.0
-85°	9.4	7.8	6.3	4.7	3.1	1.4	0.0
-87.5°	4.7	3.9	3.1	2.4	1.6	0.7	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)