

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



Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P645353 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA1E-750-U-LAM-VSR-XX

Issue Date: 2/28/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P645353 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-22)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 5/4/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: MCGRAW-EDISON  
Catalog Number: GFLD-SA1E-750-U-LAM-VSR-XX  
Description: GALLEON FLOOD, ONE LIGHT SQAURE, LAMBERTIAN WITH VISOR  
Light Source: (16) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5558.9 lumens  
Efficiency: N/A  
Efficacy: 84.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')

NEMA Type: 7H x 7V  
Max Intensity: 2370.7 candela  
Max Intensity Angle: 0°H x -20°V

Beam Angle (50%): 105.6°H x 93.7°V  
Beam Lumens: 4349.2 lumens  
Beam Efficiency: 78.2%

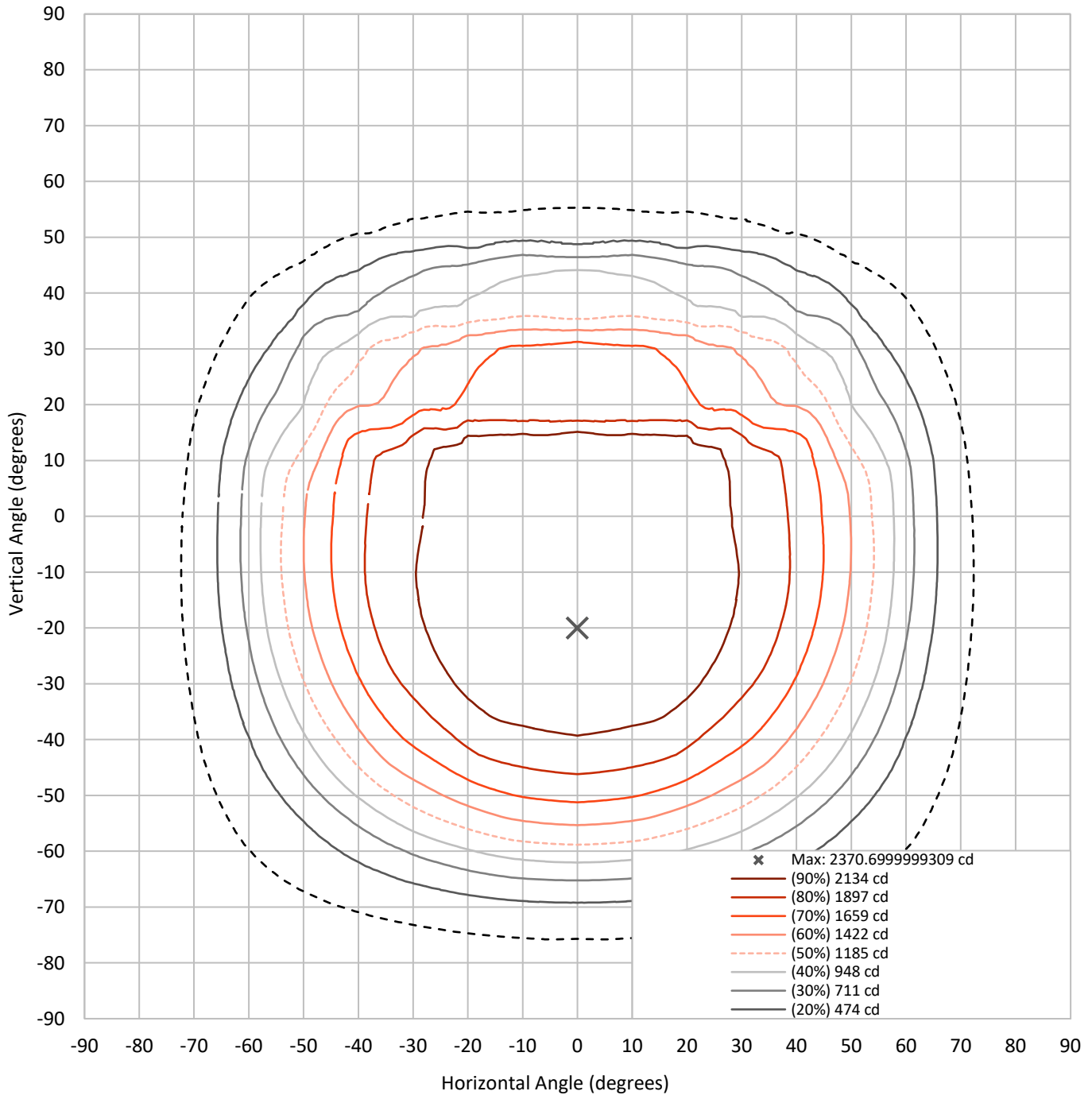
Field Angle (10%): 144°H x 131.2°V  
Field Lumens: 5448.5 lumens  
Field Efficiency: 98.0%

Input Watts (W): 66.2  
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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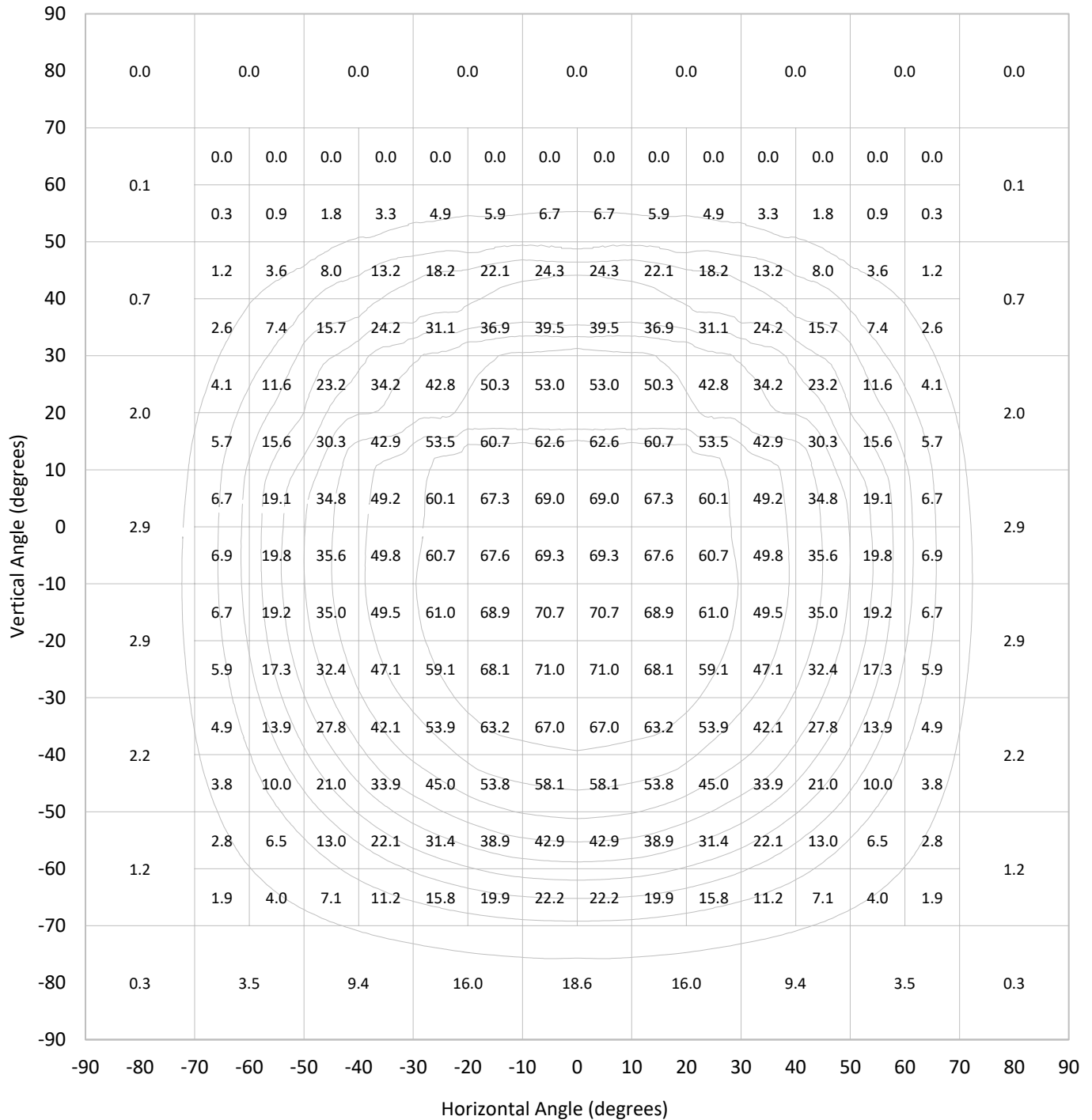
### Iso-Candela Plot





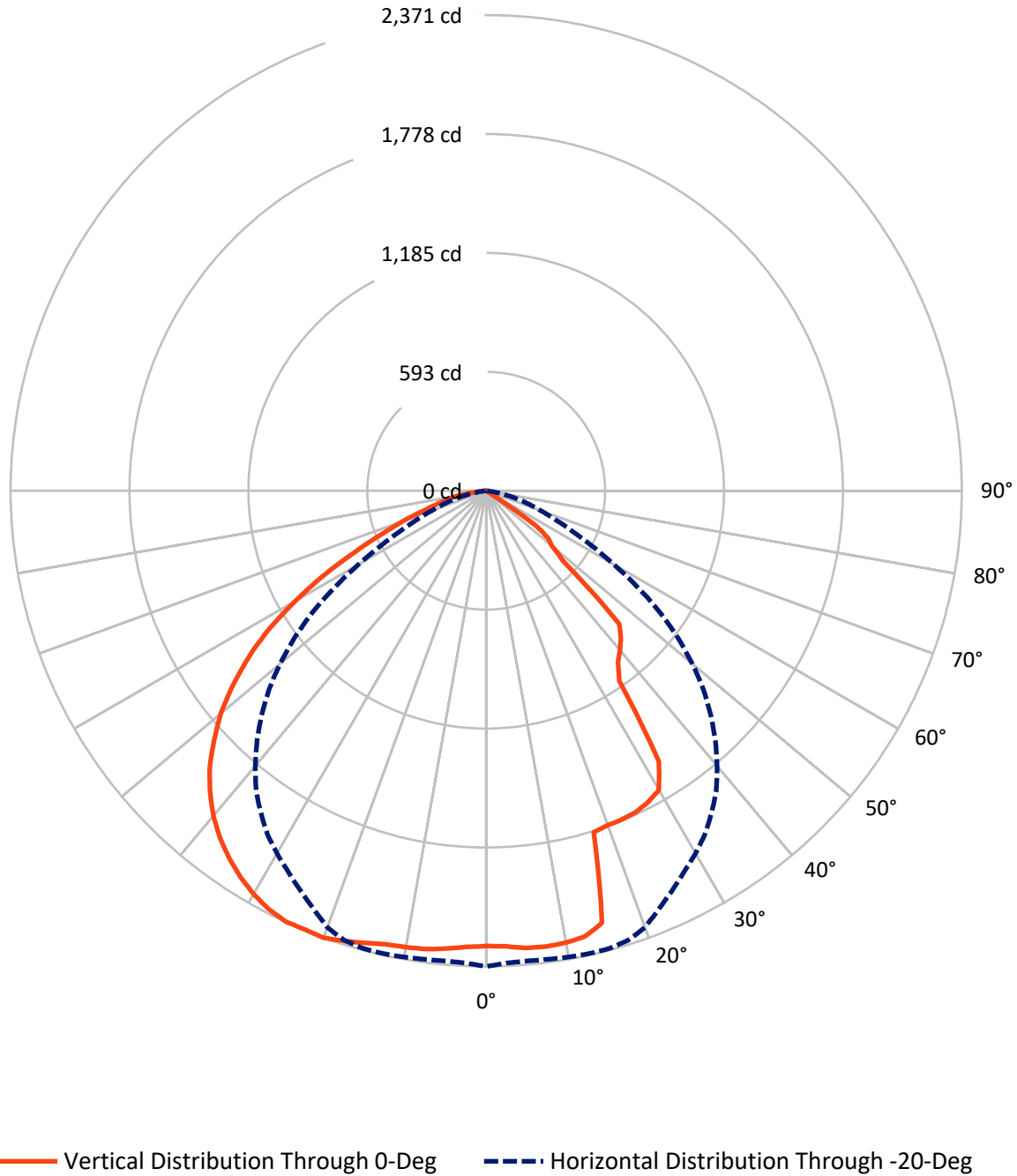
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### Lumen Table



REPORT NUMBER: P645353 (CONVERTED FROM TYPE C PHOTOMETRY)  
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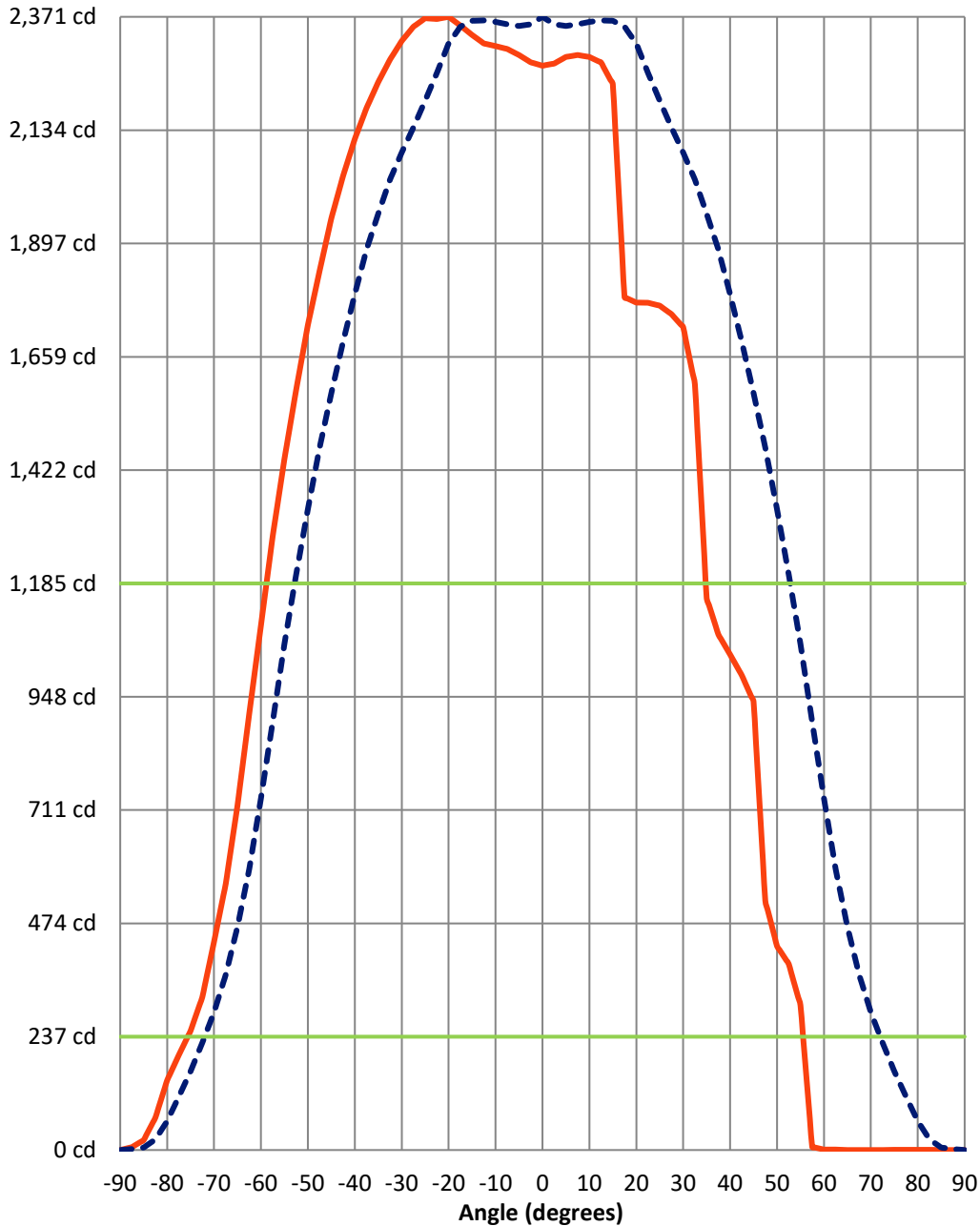
### Luminous Intensity Polar Plot





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 CATALOG NUMBER: GFLD-SA1E-750-U-LAM-VSR-XX

### Luminous Intensity Plot



**Beam:**  
 H Angle: 105.6°  
 V Angle: 93.7°  
 Lumens: 4349.2  
 Efficiency: 78.2%

**Field:**  
 H Angle: 144°  
 V Angle: 131.2°  
 Lumens: 5448.5  
 Efficiency: 98.0%

**Spill:**  
 Lumens: 110.4  
 Efficiency: 2.0%

— Vertical Distribution through 0-Deg  
 - - - Horizontal Distribution through -20-Deg



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FIELD  
 BEAM

**CANDELA DISTRIBUTION:**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.1	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.2	0.2
85°	0.0	0.1	0.2	0.3	0.3	0.4	0.5	0.5	0.5	0.5	0.4
82.5°	0.0	0.2	0.3	0.4	0.5	0.6	0.8	0.8	0.8	0.6	0.5
80°	0.0	0.2	0.3	0.5	0.7	0.9	1.0	0.9	0.8	0.6	0.5
77.5°	0.0	0.3	0.4	0.6	0.9	1.0	1.0	0.9	0.8	0.6	0.5
75°	0.0	0.3	0.5	0.8	1.0	1.0	1.0	0.9	0.8	0.7	0.5
72.5°	0.0	0.4	0.6	0.9	1.1	1.1	1.0	0.9	0.8	0.7	0.6
70°	0.0	0.4	0.7	1.0	1.1	1.1	1.1	0.9	0.8	0.7	0.8
67.5°	0.0	0.5	0.8	1.1	1.2	1.2	1.2	0.9	0.8	1.1	1.1
65°	0.0	0.5	0.9	1.1	1.2	1.3	1.4	1.0	1.3	1.6	2.0
62.5°	0.0	0.6	1.0	1.2	1.3	1.7	1.6	1.3	1.8	2.7	4.4
60°	0.0	0.6	1.1	1.2	1.3	2.0	1.9	1.9	2.4	7.0	7.6
57.5°	0.0	0.7	1.1	1.3	1.7	2.4	3.5	2.7	6.9	11.9	13.9
55°	0.0	0.7	1.2	1.3	2.1	2.9	5.5	4.3	12.7	18.4	22.5
52.5°	0.0	0.8	1.2	1.4	2.6	3.7	7.9	11.1	19.1	28.9	32.6
50°	0.0	0.8	1.3	1.4	3.1	6.3	10.7	18.7	27.4	40.6	50.9
47.5°	0.0	0.9	1.4	1.6	3.5	9.1	14.3	26.7	39.5	53.4	69.6
45°	0.0	0.9	1.4	2.0	4.1	12.1	21.7	35.1	53.0	69.7	87.7
42.5°	0.0	1.0	1.5	2.3	4.6	15.3	29.1	45.8	66.8	85.4	108.7
40°	0.0	1.0	1.5	2.8	6.2	18.6	36.8	57.9	80.9	100.9	131.1
37.5°	0.0	1.1	1.6	3.5	8.8	22.2	44.6	70.0	95.8	119.5	154.5
35°	0.0	1.1	1.7	4.1	11.5	27.6	52.5	82.1	110.9	142.4	182.2
32.5°	0.0	1.2	1.7	4.9	14.2	33.8	61.1	94.2	126.2	165.4	215.9
30°	0.0	1.2	1.8	5.7	16.9	40.0	70.9	106.4	141.6	188.4	248.2
27.5°	0.0	1.2	1.9	6.5	20.3	46.1	80.5	119.1	158.5	211.4	279.0
25°	0.0	1.3	1.9	7.4	23.8	52.1	89.9	131.6	177.7	236.6	308.4
22.5°	0.0	1.3	2.0	8.4	27.2	58.3	99.0	144.0	196.4	261.7	338.2
20°	0.0	1.3	2.1	9.3	30.7	64.9	107.8	156.1	214.7	285.4	367.3
17.5°	0.0	1.4	2.1	10.3	34.0	71.2	116.5	167.8	232.4	307.6	395.4
15°	0.0	1.4	2.2	11.3	37.3	77.4	124.9	178.7	249.3	328.4	422.4
12.5°	0.0	1.4	2.2	12.3	40.5	83.2	132.8	188.5	262.9	347.6	448.2
10°	0.0	1.4	2.3	13.3	43.5	88.7	140.0	197.4	273.0	359.1	469.1
7.5°	0.0	1.5	2.4	14.2	46.4	93.9	146.7	205.6	281.6	368.0	481.3
5°	0.0	1.5	2.4	15.1	49.1	98.6	152.8	213.0	288.7	375.2	491.3
2.5°	0.0	1.5	2.5	15.9	51.5	103.0	158.2	219.5	294.5	380.8	498.9
0°	0.0	1.5	2.5	16.7	53.7	106.8	163.0	225.2	299.1	384.7	504.1
-2.5°	0.0	1.6	2.9	17.8	55.7	109.2	165.4	228.5	300.7	389.7	507.5
-5°	0.0	1.7	3.3	18.8	57.5	111.2	167.1	231.0	301.3	392.9	508.6
-7.5°	0.0	1.8	3.7	19.7	58.9	112.6	168.2	232.5	300.9	394.2	507.4
-10°	0.0	1.8	4.0	20.5	60.0	113.4	168.7	233.0	299.6	393.4	504.2
-12.5°	0.0	1.9	4.4	21.1	60.7	113.8	168.6	232.7	297.6	390.2	498.7
-15°	0.0	2.0	4.7	21.6	61.0	113.6	168.0	231.3	295.2	384.0	490.6
-17.5°	0.0	2.0	5.0	22.0	61.0	113.0	166.7	228.5	292.3	376.3	480.2
-20°	0.0	2.1	5.3	22.2	60.5	111.8	164.8	224.5	288.2	367.1	467.3



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 CATALOG NUMBER: GFLD-SA1E-750-U-LAM-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	2.1	5.5	22.3	59.7	110.1	162.1	219.7	282.9	356.5	452.0
-25°	0.0	2.1	5.8	22.2	58.4	107.4	158.7	214.2	276.3	344.5	434.3
-27.5°	0.0	2.2	6.0	21.9	56.7	104.1	154.7	207.9	268.5	332.9	418.6
-30°	0.0	2.2	6.1	21.5	54.6	100.4	150.0	200.9	259.9	323.1	401.9
-32.5°	0.0	2.2	6.2	20.8	52.1	96.2	144.7	194.4	250.8	311.8	383.9
-35°	0.0	2.2	6.3	20.0	49.3	91.5	139.0	187.5	241.0	299.0	364.9
-37.5°	0.0	2.2	6.4	19.0	46.3	86.9	132.8	179.9	230.5	284.6	346.1
-40°	0.0	2.2	6.4	17.8	43.0	82.7	126.2	171.7	219.3	271.1	327.6
-42.5°	0.0	2.1	6.3	16.5	40.5	78.1	119.1	162.7	208.5	256.8	307.6
-45°	0.0	2.1	6.3	15.2	38.7	73.3	111.6	153.4	197.4	241.5	286.9
-47.5°	0.0	2.0	6.2	13.7	36.7	68.2	103.6	144.1	185.5	225.5	269.0
-50°	0.0	2.0	6.0	13.3	34.4	62.9	97.0	134.4	172.4	210.8	250.2
-52.5°	0.0	1.9	5.8	13.0	31.8	57.3	90.3	124.2	159.9	195.7	231.0
-55°	0.0	1.8	5.6	12.6	28.9	53.0	83.4	113.9	147.3	180.2	213.9
-57.5°	0.0	1.7	5.3	12.1	25.7	48.7	76.3	105.7	134.3	165.3	196.5
-60°	0.0	1.6	5.0	11.4	22.3	44.0	69.0	96.6	121.3	150.3	179.0
-62.5°	0.0	1.5	4.7	10.6	20.7	38.9	62.3	86.8	109.2	134.8	162.0
-65°	0.0	1.4	4.4	9.7	18.9	33.5	55.2	76.6	96.5	119.3	144.5
-67.5°	0.0	1.3	4.0	8.6	16.9	28.9	47.6	66.4	83.0	103.1	125.7
-70°	0.0	1.2	3.7	7.5	14.7	25.3	39.6	56.1	71.0	86.2	105.6
-72.5°	0.0	1.0	3.3	6.6	12.4	21.5	33.5	45.4	58.7	72.1	85.8
-75°	0.0	0.9	2.8	5.7	9.9	17.3	27.4	36.6	46.2	57.9	69.8
-77.5°	0.0	0.8	2.4	4.8	8.2	13.0	21.0	28.3	35.9	44.2	53.6
-80°	0.0	0.6	1.9	3.9	6.6	9.9	14.3	19.9	25.7	32.1	39.0
-82.5°	0.0	0.5	1.5	3.0	5.0	7.5	10.5	12.8	15.4	19.9	24.7
-85°	0.0	0.3	1.0	2.0	3.3	5.0	7.1	8.5	10.0	11.6	13.2
-87.5°	0.0	0.2	0.5	1.0	1.7	2.5	3.5	4.3	5.0	5.8	6.6
-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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 CATALOG NUMBER: GFLD-SA1E-750-U-LAM-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4
85°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
82.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
80°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
77.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
75°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
72.5°	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5
70°	0.8	0.8	0.7	0.6	0.5	0.5	0.6	0.6	0.5	0.5	0.5
67.5°	1.0	0.8	0.7	0.7	0.7	0.8	0.7	0.6	0.5	0.5	0.5
65°	1.0	0.9	1.3	1.4	1.0	0.9	0.8	0.6	0.7	0.7	0.7
62.5°	1.5	1.9	2.4	4.3	3.2	0.9	1.7	2.0	1.4	1.2	1.3
60°	4.9	3.4	10.0	14.3	8.9	3.3	4.0	13.2	11.4	2.1	7.1
57.5°	10.4	14.3	26.3	26.7	18.5	12.8	37.1	42.9	32.4	18.9	29.0
55°	22.9	35.2	43.5	40.3	44.0	66.7	79.2	71.2	59.9	92.2	117.7
52.5°	44.7	57.2	60.1	69.0	98.7	113.4	108.7	116.3	150.7	187.2	195.1
50°	66.0	76.2	84.2	121.8	145.1	146.6	157.4	191.5	237.5	259.9	254.5
47.5°	86.5	97.2	134.4	170.5	180.9	195.3	222.3	288.3	337.0	338.0	332.5
45°	108.3	136.7	184.1	207.7	224.7	252.4	317.7	408.7	413.4	426.6	508.0
42.5°	131.6	181.3	222.7	247.2	274.6	326.3	413.5	473.1	493.7	551.6	617.0
40°	169.3	224.4	260.6	291.8	327.1	402.6	498.0	553.9	570.6	620.7	669.9
37.5°	207.6	260.4	300.9	338.6	387.5	489.4	599.8	645.9	654.4	663.5	772.5
35°	244.4	297.3	345.8	395.2	455.1	601.8	698.2	741.6	740.3	802.2	916.3
32.5°	278.9	335.0	392.3	458.4	557.2	707.5	804.0	829.9	869.3	959.4	1115.1
30°	313.2	377.1	442.9	521.6	646.8	777.0	887.2	929.0	996.5	1099.3	1212.6
27.5°	348.7	420.2	499.8	592.0	717.5	837.2	931.3	1031.2	1096.8	1188.9	1269.5
25°	383.9	465.9	556.0	653.6	768.1	879.6	977.0	1092.3	1162.7	1237.0	1312.2
22.5°	420.9	512.2	613.9	702.4	810.7	915.7	1031.5	1156.6	1248.2	1295.4	1345.9
20°	459.6	562.3	670.8	768.8	852.7	949.2	1086.3	1238.3	1356.6	1409.7	1416.6
17.5°	497.7	610.8	727.5	833.6	924.1	1010.0	1143.9	1336.2	1483.3	1532.6	1554.5
15°	534.9	657.5	783.9	896.7	996.0	1101.0	1244.0	1439.6	1607.7	1662.3	1696.8
12.5°	570.8	702.0	839.4	957.6	1068.0	1185.7	1335.0	1514.0	1667.4	1773.0	1836.4
10°	605.0	744.0	893.2	1016.2	1139.2	1264.3	1410.2	1569.4	1694.3	1796.1	1886.1
7.5°	622.2	771.5	939.5	1071.9	1208.5	1336.9	1471.8	1608.5	1713.6	1813.5	1900.5
5°	633.9	782.8	953.9	1091.3	1245.4	1385.4	1516.3	1634.1	1726.3	1825.3	1910.2
2.5°	642.3	790.1	963.7	1101.9	1259.2	1400.3	1529.2	1642.7	1736.7	1833.7	1920.7
0°	647.3	793.6	968.7	1108.4	1267.9	1410.1	1536.6	1645.9	1743.6	1837.8	1931.4
-2.5°	650.2	804.2	972.0	1125.2	1276.3	1418.5	1547.1	1653.7	1755.9	1845.4	1939.3
-5°	649.8	810.5	971.2	1136.5	1280.2	1421.8	1552.3	1657.3	1762.5	1851.2	1942.5
-7.5°	646.3	812.0	966.8	1140.1	1280.4	1420.7	1550.0	1659.0	1762.4	1856.4	1942.8
-10°	640.1	806.3	962.8	1130.9	1275.5	1414.9	1543.0	1655.3	1758.3	1855.4	1941.1
-12.5°	632.6	794.5	954.3	1117.8	1265.5	1404.2	1532.4	1645.8	1750.5	1847.4	1937.2
-15°	621.5	778.7	940.5	1101.0	1250.3	1388.5	1518.6	1630.3	1738.6	1833.5	1925.8
-17.5°	606.5	759.2	921.0	1081.2	1229.9	1368.1	1500.9	1609.9	1717.7	1815.7	1904.8
-20°	587.6	736.1	895.6	1058.6	1203.9	1340.6	1469.3	1583.5	1690.6	1790.3	1883.8



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 CATALOG NUMBER: GFLD-SA1E-750-U-LAM-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	564.8	709.6	865.1	1028.2	1171.5	1306.7	1433.8	1549.8	1660.8	1757.2	1856.9
-25°	542.0	681.5	831.4	986.0	1133.8	1268.5	1395.9	1508.9	1622.4	1722.7	1817.4
-27.5°	520.1	648.9	792.2	939.6	1091.1	1225.2	1351.5	1464.6	1574.7	1684.4	1775.5
-30°	495.6	611.2	749.3	890.1	1037.8	1174.2	1301.5	1418.9	1523.7	1631.9	1729.8
-32.5°	468.5	571.2	703.9	839.4	978.7	1118.1	1244.2	1360.8	1469.9	1572.2	1675.0
-35°	442.1	538.9	655.9	784.9	916.0	1052.8	1179.0	1294.5	1407.7	1509.1	1607.3
-37.5°	418.2	503.9	604.8	728.1	853.4	982.8	1111.1	1222.9	1330.6	1442.2	1537.9
-40°	392.5	466.4	560.6	669.5	787.6	910.7	1033.6	1149.2	1250.5	1360.7	1466.0
-42.5°	365.5	435.8	516.9	607.6	719.0	835.1	953.7	1066.8	1171.9	1275.9	1380.3
-45°	341.9	403.5	472.5	555.4	646.1	755.3	867.6	980.3	1081.2	1180.3	1283.4
-47.5°	316.7	371.0	434.8	501.0	579.8	671.1	776.7	880.7	984.0	1078.3	1169.5
-50°	291.7	341.7	394.2	453.7	518.8	592.8	680.5	777.2	871.5	968.3	1058.6
-52.5°	270.1	310.9	358.3	408.0	463.7	524.9	595.2	674.6	760.4	842.6	932.7
-55°	247.7	284.5	322.8	366.5	412.9	464.5	522.2	588.9	654.3	730.3	803.9
-57.5°	227.3	258.3	290.9	327.1	367.3	408.6	459.0	511.0	570.4	629.4	687.7
-60°	208.0	233.3	261.0	291.7	324.1	360.8	398.4	443.0	490.8	538.0	587.4
-62.5°	188.6	209.9	232.5	257.9	286.1	314.0	346.0	380.4	415.6	455.5	494.5
-65°	168.7	185.9	205.0	226.1	248.6	272.3	297.0	322.4	352.4	381.6	409.9
-67.5°	147.5	162.2	177.7	194.3	213.2	231.8	250.3	271.8	293.9	315.5	338.0
-70°	124.0	137.9	150.8	164.2	178.3	192.8	208.7	224.4	240.0	256.2	274.3
-72.5°	100.1	112.9	124.3	134.2	145.7	157.8	169.4	180.4	192.2	204.5	216.7
-75°	79.8	88.3	98.4	107.7	116.9	125.4	133.0	142.4	152.2	161.2	168.6
-77.5°	62.3	70.0	77.0	83.2	90.5	99.0	106.4	112.8	119.0	125.8	133.0
-80°	45.3	51.7	58.1	63.8	68.0	72.8	78.5	85.0	90.7	95.3	99.5
-82.5°	29.3	33.9	38.6	43.4	45.3	46.6	47.9	50.1	53.6	57.1	60.4
-85°	14.6	15.9	18.8	21.7	22.8	23.5	23.9	24.2	25.4	26.5	27.5
-87.5°	7.3	8.0	8.6	9.3	8.9	8.5	7.9	7.2	7.0	6.8	6.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.4	0.4	0.4	0.4	0.5	0.3	0.2	0.1	0.0	0.0	0.0
85°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.2
82.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
80°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
77.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
75°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
72.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
70°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
67.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.3
65°	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.5	0.4	0.3
62.5°	1.3	1.4	1.1	1.1	1.1	1.1	1.0	1.0	0.9	0.8	0.9
60°	7.9	4.7	2.7	3.2	2.9	1.9	2.4	2.8	2.9	2.6	2.3
57.5°	44.0	32.9	24.3	58.1	58.2	27.8	33.5	52.6	43.3	14.2	13.2
55°	122.4	146.4	192.6	183.0	186.0	213.9	233.6	206.8	202.7	216.0	249.5
52.5°	219.9	242.7	258.3	272.9	290.6	309.6	329.2	341.7	353.4	365.8	373.2
50°	280.8	313.0	335.1	327.0	372.8	391.6	372.6	389.6	410.4	416.0	418.7
47.5°	414.6	461.8	471.2	501.7	529.1	528.5	505.2	506.6	568.4	623.0	649.8
45°	595.8	597.4	627.1	680.9	719.4	707.3	739.7	813.5	838.0	861.8	881.2
42.5°	666.4	695.7	743.1	790.7	819.3	844.2	868.2	895.3	927.2	953.0	973.7
40°	734.8	758.4	806.9	845.2	869.0	892.2	920.2	950.2	979.3	1002.1	1017.5
37.5°	840.0	858.3	870.1	905.7	950.6	929.8	982.9	1021.0	1038.4	1061.5	1063.5
35°	999.2	987.0	971.3	1112.8	1121.3	1073.5	1123.2	1182.2	1151.1	1215.9	1250.7
32.5°	1140.4	1138.5	1262.0	1336.4	1293.7	1328.6	1443.1	1438.0	1514.3	1549.7	1539.6
30°	1273.4	1318.7	1390.1	1445.5	1453.0	1508.0	1558.9	1603.4	1649.5	1690.8	1693.6
27.5°	1340.8	1400.0	1448.5	1480.6	1516.3	1562.7	1608.8	1659.0	1698.2	1724.1	1730.4
25°	1381.6	1442.1	1478.8	1513.3	1552.8	1592.8	1644.5	1699.1	1730.6	1746.6	1751.7
22.5°	1417.6	1472.0	1511.5	1539.4	1582.0	1625.0	1673.1	1719.4	1753.6	1760.6	1763.1
20°	1452.3	1504.5	1570.4	1611.7	1609.6	1658.1	1704.5	1741.2	1769.8	1769.6	1770.3
17.5°	1552.5	1571.2	1690.8	1781.7	1736.7	1712.9	1840.5	1843.0	1850.6	1835.5	1802.9
15°	1700.9	1734.9	1881.9	1980.3	1949.3	1947.7	2132.0	2086.3	2125.7	2115.4	2159.6
12.5°	1858.1	1898.4	2008.2	2104.9	2150.9	2162.3	2223.8	2281.5	2293.4	2288.7	2280.0
10°	1965.2	2022.5	2066.6	2125.3	2171.8	2219.2	2254.8	2296.2	2309.8	2302.0	2290.9
7.5°	1979.2	2035.8	2087.6	2139.1	2183.4	2221.5	2258.5	2292.2	2306.1	2301.5	2293.9
5°	1988.1	2039.3	2089.5	2141.8	2184.1	2219.4	2256.4	2290.5	2298.7	2293.2	2285.7
2.5°	1993.6	2040.9	2089.3	2141.4	2179.8	2213.5	2250.9	2287.3	2287.2	2284.8	2280.5
0°	1996.2	2043.8	2099.9	2147.0	2190.0	2221.9	2258.9	2294.3	2291.8	2285.2	2277.6
-2.5°	2001.9	2050.1	2107.4	2146.4	2194.9	2224.1	2262.4	2293.0	2291.8	2288.6	2284.8
-5°	2006.9	2061.2	2114.8	2155.8	2204.4	2242.6	2280.6	2304.6	2305.9	2301.4	2295.0
-7.5°	2010.1	2070.1	2121.3	2162.5	2209.7	2254.1	2292.6	2317.8	2318.3	2312.3	2304.7
-10°	2009.0	2072.5	2125.1	2167.7	2216.0	2259.9	2300.1	2332.0	2331.0	2325.3	2318.9
-12.5°	2005.2	2068.6	2122.7	2165.4	2220.2	2265.4	2310.6	2342.4	2344.1	2339.9	2332.8
-15°	1996.9	2062.3	2114.9	2161.5	2215.3	2268.1	2314.6	2349.6	2355.9	2352.4	2346.9
-17.5°	1980.4	2049.4	2105.3	2155.5	2207.0	2263.3	2316.2	2354.5	2363.1	2361.7	2357.1
-20°	1958.8	2030.0	2086.7	2139.3	2195.4	2253.4	2314.9	2350.0	2362.3	2363.2	2360.1



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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	1934.4	2004.2	2064.3	2116.1	2176.9	2235.5	2291.3	2332.3	2353.2	2357.0	2357.3
-25°	1905.3	1977.0	2036.7	2091.8	2148.4	2209.0	2265.3	2311.1	2332.2	2342.3	2345.4
-27.5°	1864.1	1938.2	1996.9	2055.2	2112.8	2175.4	2234.6	2284.3	2301.5	2315.4	2321.0
-30°	1815.8	1889.1	1949.0	2002.3	2068.2	2132.0	2193.1	2236.5	2262.4	2278.3	2287.0
-32.5°	1760.4	1834.3	1897.2	1952.8	2015.5	2079.3	2136.8	2182.5	2218.2	2236.5	2245.8
-35°	1700.2	1775.7	1841.5	1900.1	1959.1	2019.9	2079.5	2127.4	2168.0	2183.8	2195.4
-37.5°	1627.6	1710.9	1778.4	1838.8	1894.9	1952.1	2014.1	2068.9	2108.4	2123.6	2135.8
-40°	1553.2	1633.7	1701.8	1766.3	1821.7	1884.1	1943.9	2001.3	2035.5	2053.3	2067.2
-42.5°	1474.7	1547.4	1612.1	1674.7	1736.4	1800.7	1860.4	1920.1	1949.7	1971.2	1988.2
-45°	1384.0	1451.7	1514.6	1573.2	1636.7	1699.9	1759.7	1812.4	1847.7	1875.6	1897.3
-47.5°	1263.1	1345.5	1408.7	1464.4	1527.5	1588.4	1646.3	1695.9	1734.6	1767.3	1792.5
-50°	1140.3	1219.4	1290.6	1353.2	1411.7	1468.1	1523.2	1571.7	1612.7	1648.1	1673.6
-52.5°	1019.4	1093.5	1164.2	1228.9	1285.1	1338.3	1388.7	1437.5	1480.7	1518.5	1543.2
-55°	882.8	959.6	1029.5	1089.8	1145.9	1198.5	1248.3	1294.6	1337.1	1375.6	1399.3
-57.5°	754.6	821.9	887.0	942.7	995.7	1045.8	1093.0	1137.3	1178.2	1214.5	1237.3
-60°	636.8	685.9	741.9	793.2	840.2	882.9	926.9	968.2	1005.8	1037.7	1059.0
-62.5°	532.7	573.4	613.8	652.8	690.9	729.2	766.1	800.4	831.8	857.9	876.5
-65°	439.8	472.6	501.8	529.5	555.9	586.1	614.1	640.5	664.9	684.9	699.2
-67.5°	362.2	385.1	405.4	424.4	445.2	466.5	486.6	504.0	518.9	530.8	540.2
-70°	292.0	308.9	324.2	339.3	354.6	368.4	381.7	394.5	406.7	416.6	424.1
-72.5°	228.7	240.3	250.7	262.4	273.3	283.8	293.0	300.4	306.1	311.7	316.6
-75°	174.4	183.1	194.8	204.7	212.8	220.1	226.7	232.6	237.8	242.4	246.4
-77.5°	140.3	147.7	155.1	162.3	169.3	174.5	179.3	184.1	188.8	192.9	196.5
-80°	104.0	109.5	115.2	121.0	126.8	129.6	131.9	134.0	135.9	138.3	140.6
-82.5°	63.6	66.7	69.9	73.1	76.3	77.1	77.4	77.4	76.9	76.1	74.7
-85°	28.3	28.5	28.4	28.1	27.5	26.4	25.0	23.4	21.7	21.4	21.0
-87.5°	6.2	6.1	5.9	5.7	5.5	5.5	5.5	5.5	5.4	5.6	5.8
-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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**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
85°	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.4	0.5	0.5
82.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
80°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
77.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
75°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
72.5°	0.5	0.5	0.3	0.0	0.3	0.5	0.5	0.5	0.5	0.5	0.5
70°	0.5	0.5	0.3	0.0	0.3	0.5	0.5	0.5	0.5	0.5	0.5
67.5°	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.4	0.5	0.5
65°	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.4	0.5	0.6
62.5°	0.9	1.0	1.0	1.0	1.0	1.0	0.9	0.9	0.8	0.9	1.0
60°	1.8	1.2	1.0	1.0	1.0	1.2	1.8	2.3	2.6	2.9	2.8
57.5°	11.2	8.3	7.1	6.6	7.1	8.3	11.2	13.2	14.2	43.3	52.6
55°	273.5	287.5	297.9	302.7	297.9	287.5	273.5	249.5	216.0	202.7	206.8
52.5°	379.7	385.8	389.3	389.2	389.3	385.8	379.7	373.2	365.8	353.4	341.7
50°	423.3	426.3	427.3	426.7	427.3	426.3	423.3	418.7	416.0	410.4	389.6
47.5°	625.3	571.1	531.4	521.8	531.4	571.1	625.3	649.8	623.0	568.4	506.6
45°	890.5	911.1	931.5	937.9	931.5	911.1	890.5	881.2	861.8	838.0	813.5
42.5°	982.4	989.1	992.9	993.0	992.9	989.1	982.4	973.7	953.0	927.2	895.3
40°	1026.2	1032.6	1036.3	1036.6	1036.3	1032.6	1026.2	1017.5	1002.1	979.3	950.2
37.5°	1066.0	1071.4	1075.0	1078.6	1075.0	1071.4	1066.0	1063.5	1061.5	1038.4	1021.0
35°	1246.0	1205.2	1146.6	1155.5	1146.6	1205.2	1246.0	1250.7	1215.9	1151.1	1182.2
32.5°	1555.3	1572.5	1583.2	1601.4	1583.2	1572.5	1555.3	1539.6	1549.7	1514.3	1438.0
30°	1698.1	1703.8	1712.3	1721.4	1712.3	1703.8	1698.1	1693.6	1690.8	1649.5	1603.4
27.5°	1733.7	1739.6	1744.8	1748.7	1744.8	1739.6	1733.7	1730.4	1724.1	1698.2	1659.0
25°	1752.4	1756.0	1761.6	1766.4	1761.6	1756.0	1752.4	1751.7	1746.6	1730.6	1699.1
22.5°	1761.6	1762.0	1766.3	1772.5	1766.3	1762.0	1761.6	1763.1	1760.6	1753.6	1719.4
20°	1768.0	1764.5	1769.0	1773.0	1769.0	1764.5	1768.0	1770.3	1769.6	1769.8	1741.2
17.5°	1848.9	1802.7	1783.8	1784.1	1783.8	1802.7	1848.9	1802.9	1835.5	1850.6	1843.0
15°	2110.0	2127.2	2193.6	2229.5	2193.6	2127.2	2110.0	2159.6	2115.4	2125.7	2086.3
12.5°	2278.4	2272.2	2264.3	2275.1	2264.3	2272.2	2278.4	2280.0	2288.7	2293.4	2281.5
10°	2286.2	2285.5	2271.4	2286.7	2271.4	2285.5	2286.2	2290.9	2302.0	2309.8	2296.2
7.5°	2281.4	2281.8	2275.8	2290.8	2275.8	2281.8	2281.4	2293.9	2301.5	2306.1	2292.2
5°	2284.6	2274.3	2278.1	2286.7	2278.1	2274.3	2284.6	2285.7	2293.2	2298.7	2290.5
2.5°	2275.7	2274.6	2267.0	2273.0	2267.0	2274.6	2275.7	2280.5	2284.8	2287.2	2287.3
0°	2269.0	2263.4	2263.4	2268.5	2263.4	2263.4	2269.0	2277.6	2285.2	2291.8	2294.3
-2.5°	2281.0	2279.8	2279.0	2275.6	2279.0	2279.8	2281.0	2284.8	2288.6	2291.8	2293.0
-5°	2290.8	2287.8	2279.5	2290.8	2279.5	2287.8	2290.8	2295.0	2301.4	2305.9	2304.6
-7.5°	2301.4	2293.7	2285.9	2303.4	2285.9	2293.7	2301.4	2304.7	2312.3	2318.3	2317.8
-10°	2311.1	2299.9	2292.3	2309.5	2292.3	2299.9	2311.1	2318.9	2325.3	2331.0	2332.0
-12.5°	2323.8	2310.8	2305.7	2315.1	2305.7	2310.8	2323.8	2332.8	2339.9	2344.1	2342.4
-15°	2337.5	2328.5	2327.2	2332.8	2327.2	2328.5	2337.5	2346.9	2352.4	2355.9	2349.6
-17.5°	2349.4	2343.1	2346.3	2352.5	2346.3	2343.1	2349.4	2357.1	2361.7	2363.1	2354.5
-20°	2355.1	2351.6	2355.1	2370.7	2355.1	2351.6	2355.1	2360.1	2363.2	2362.3	2350.0



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 CATALOG NUMBER: GFLD-SA1E-750-U-LAM-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	2354.7	2354.9	2361.1	2366.2	2361.1	2354.9	2354.7	2357.3	2357.0	2353.2	2332.3
-25°	2345.7	2350.4	2357.5	2367.7	2357.5	2350.4	2345.7	2345.4	2342.3	2332.2	2311.1
-27.5°	2324.0	2331.9	2339.3	2350.0	2339.3	2331.9	2324.0	2321.0	2315.4	2301.5	2284.3
-30°	2292.7	2302.0	2308.7	2320.1	2308.7	2302.0	2292.7	2287.0	2278.3	2262.4	2236.5
-32.5°	2254.6	2265.2	2273.0	2281.1	2273.0	2265.2	2254.6	2245.8	2236.5	2218.2	2182.5
-35°	2206.9	2218.3	2226.6	2234.1	2226.6	2218.3	2206.9	2195.4	2183.8	2168.0	2127.4
-37.5°	2149.6	2161.9	2171.4	2179.9	2171.4	2161.9	2149.6	2135.8	2123.6	2108.4	2068.9
-40°	2082.9	2095.5	2105.6	2115.1	2105.6	2095.5	2082.9	2067.2	2053.3	2035.5	2001.3
-42.5°	2004.9	2017.7	2028.1	2037.7	2028.1	2017.7	2004.9	1988.2	1971.2	1949.7	1920.1
-45°	1914.8	1927.9	1939.0	1949.1	1939.0	1927.9	1914.8	1897.3	1875.6	1847.7	1812.4
-47.5°	1811.1	1825.1	1834.5	1839.3	1834.5	1825.1	1811.1	1792.5	1767.3	1734.6	1695.9
-50°	1692.2	1706.2	1717.5	1725.9	1717.5	1706.2	1692.2	1673.6	1648.1	1612.7	1571.7
-52.5°	1561.3	1574.6	1584.4	1590.3	1584.4	1574.6	1561.3	1543.2	1518.5	1480.7	1437.5
-55°	1418.0	1431.9	1441.2	1445.5	1441.2	1431.9	1418.0	1399.3	1375.6	1337.1	1294.6
-57.5°	1255.4	1268.7	1278.5	1284.1	1278.5	1268.7	1255.4	1237.3	1214.5	1178.2	1137.3
-60°	1075.6	1087.4	1094.9	1097.8	1094.9	1087.4	1075.6	1059.0	1037.7	1005.8	968.2
-62.5°	891.6	902.8	909.8	912.6	909.8	902.8	891.6	876.5	857.9	831.8	800.4
-65°	709.8	716.8	720.7	721.2	720.7	716.8	709.8	699.2	684.9	664.9	640.5
-67.5°	547.6	553.0	556.2	557.3	556.2	553.0	547.6	540.2	530.8	518.9	504.0
-70°	429.6	433.3	435.4	435.8	435.4	433.3	429.6	424.1	416.6	406.7	394.5
-72.5°	320.3	322.9	322.0	319.9	322.0	322.9	320.3	316.6	311.7	306.1	300.4
-75°	249.9	252.8	251.6	249.5	251.6	252.8	249.9	246.4	242.4	237.8	232.6
-77.5°	199.7	202.3	201.0	198.9	201.0	202.3	199.7	196.5	192.9	188.8	184.1
-80°	142.6	144.2	145.3	145.8	145.3	144.2	142.6	140.6	138.3	135.9	134.0
-82.5°	73.0	70.9	69.5	67.8	69.5	70.9	73.0	74.7	76.1	76.9	77.4
-85°	20.6	20.1	20.5	20.8	20.5	20.1	20.6	21.0	21.4	21.7	23.4
-87.5°	5.9	6.1	6.1	6.1	6.1	6.1	5.9	5.8	5.6	5.4	5.5
-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):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.2	0.3	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
85°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
82.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
80°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
77.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
75°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
72.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
70°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6
67.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6
65°	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.6
62.5°	1.0	1.1	1.1	1.1	1.1	1.4	1.3	1.3	1.2	1.4	2.0
60°	2.4	1.9	2.9	3.2	2.7	4.7	7.9	7.1	2.1	11.4	13.2
57.5°	33.5	27.8	58.2	58.1	24.3	32.9	44.0	29.0	18.9	32.4	42.9
55°	233.6	213.9	186.0	183.0	192.6	146.4	122.4	117.7	92.2	59.9	71.2
52.5°	329.2	309.6	290.6	272.9	258.3	242.7	219.9	195.1	187.2	150.7	116.3
50°	372.6	391.6	372.8	327.0	335.1	313.0	280.8	254.5	259.9	237.5	191.5
47.5°	505.2	528.5	529.1	501.7	471.2	461.8	414.6	332.5	338.0	337.0	288.3
45°	739.7	707.3	719.4	680.9	627.1	597.4	595.8	508.0	426.6	413.4	408.7
42.5°	868.2	844.2	819.3	790.7	743.1	695.7	666.4	617.0	551.6	493.7	473.1
40°	920.2	892.2	869.0	845.2	806.9	758.4	734.8	669.9	620.7	570.6	553.9
37.5°	982.9	929.8	950.6	905.7	870.1	858.3	840.0	772.5	663.5	654.4	645.9
35°	1123.2	1073.5	1121.3	1112.8	971.3	987.0	999.2	916.3	802.2	740.3	741.6
32.5°	1443.1	1328.6	1293.7	1336.4	1262.0	1138.5	1140.4	1115.1	959.4	869.3	829.9
30°	1558.9	1508.0	1453.0	1445.5	1390.1	1318.7	1273.4	1212.6	1099.3	996.5	929.0
27.5°	1608.8	1562.7	1516.3	1480.6	1448.5	1400.0	1340.8	1269.5	1188.9	1096.8	1031.2
25°	1644.5	1592.8	1552.8	1513.3	1478.8	1442.1	1381.6	1312.2	1237.0	1162.7	1092.3
22.5°	1673.1	1625.0	1582.0	1539.4	1511.5	1472.0	1417.6	1345.9	1295.4	1248.2	1156.6
20°	1704.5	1658.1	1609.6	1611.7	1570.4	1504.5	1452.3	1416.6	1409.7	1356.6	1238.3
17.5°	1840.5	1712.9	1736.7	1781.7	1690.8	1571.2	1552.5	1554.5	1532.6	1483.3	1336.2
15°	2132.0	1947.7	1949.3	1980.3	1881.9	1734.9	1700.9	1696.8	1662.3	1607.7	1439.6
12.5°	2223.8	2162.3	2150.9	2104.9	2008.2	1898.4	1858.1	1836.4	1773.0	1667.4	1514.0
10°	2254.8	2219.2	2171.8	2125.3	2066.6	2022.5	1965.2	1886.1	1796.1	1694.3	1569.4
7.5°	2258.5	2221.5	2183.4	2139.1	2087.6	2035.8	1979.2	1900.5	1813.5	1713.6	1608.5
5°	2256.4	2219.4	2184.1	2141.8	2089.5	2039.3	1988.1	1910.2	1825.3	1726.3	1634.1
2.5°	2250.9	2213.5	2179.8	2141.4	2089.3	2040.9	1993.6	1920.7	1833.7	1736.7	1642.7
0°	2258.9	2221.9	2190.0	2147.0	2099.9	2043.8	1996.2	1931.4	1837.8	1743.6	1645.9
-2.5°	2262.4	2224.1	2194.9	2146.4	2107.4	2050.1	2001.9	1939.3	1845.4	1755.9	1653.7
-5°	2280.6	2242.6	2204.4	2155.8	2114.8	2061.2	2006.9	1942.5	1851.2	1762.5	1657.3
-7.5°	2292.6	2254.1	2209.7	2162.5	2121.3	2070.1	2010.1	1942.8	1856.4	1762.4	1659.0
-10°	2300.1	2259.9	2216.0	2167.7	2125.1	2072.5	2009.0	1941.1	1855.4	1758.3	1655.3
-12.5°	2310.6	2265.4	2220.2	2165.4	2122.7	2068.6	2005.2	1937.2	1847.4	1750.5	1645.8
-15°	2314.6	2268.1	2215.3	2161.5	2114.9	2062.3	1996.9	1925.8	1833.5	1738.6	1630.3
-17.5°	2316.2	2263.3	2207.0	2155.5	2105.3	2049.4	1980.4	1904.8	1815.7	1717.7	1609.9
-20°	2314.9	2253.4	2195.4	2139.3	2086.7	2030.0	1958.8	1883.8	1790.3	1690.6	1583.5



REPORT NUMBER: P645353 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA1E-750-U-LAM-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	2291.3	2235.5	2176.9	2116.1	2064.3	2004.2	1934.4	1856.9	1757.2	1660.8	1549.8
-25°	2265.3	2209.0	2148.4	2091.8	2036.7	1977.0	1905.3	1817.4	1722.7	1622.4	1508.9
-27.5°	2234.6	2175.4	2112.8	2055.2	1996.9	1938.2	1864.1	1775.5	1684.4	1574.7	1464.6
-30°	2193.1	2132.0	2068.2	2002.3	1949.0	1889.1	1815.8	1729.8	1631.9	1523.7	1418.9
-32.5°	2136.8	2079.3	2015.5	1952.8	1897.2	1834.3	1760.4	1675.0	1572.2	1469.9	1360.8
-35°	2079.5	2019.9	1959.1	1900.1	1841.5	1775.7	1700.2	1607.3	1509.1	1407.7	1294.5
-37.5°	2014.1	1952.1	1894.9	1838.8	1778.4	1710.9	1627.6	1537.9	1442.2	1330.6	1222.9
-40°	1943.9	1884.1	1821.7	1766.3	1701.8	1633.7	1553.2	1466.0	1360.7	1250.5	1149.2
-42.5°	1860.4	1800.7	1736.4	1674.7	1612.1	1547.4	1474.7	1380.3	1275.9	1171.9	1066.8
-45°	1759.7	1699.9	1636.7	1573.2	1514.6	1451.7	1384.0	1283.4	1180.3	1081.2	980.3
-47.5°	1646.3	1588.4	1527.5	1464.4	1408.7	1345.5	1263.1	1169.5	1078.3	984.0	880.7
-50°	1523.2	1468.1	1411.7	1353.2	1290.6	1219.4	1140.3	1058.6	968.3	871.5	777.2
-52.5°	1388.7	1338.3	1285.1	1228.9	1164.2	1093.5	1019.4	932.7	842.6	760.4	674.6
-55°	1248.3	1198.5	1145.9	1089.8	1029.5	959.6	882.8	803.9	730.3	654.3	588.9
-57.5°	1093.0	1045.8	995.7	942.7	887.0	821.9	754.6	687.7	629.4	570.4	511.0
-60°	926.9	882.9	840.2	793.2	741.9	685.9	636.8	587.4	538.0	490.8	443.0
-62.5°	766.1	729.2	690.9	652.8	613.8	573.4	532.7	494.5	455.5	415.6	380.4
-65°	614.1	586.1	555.9	529.5	501.8	472.6	439.8	409.9	381.6	352.4	322.4
-67.5°	486.6	466.5	445.2	424.4	405.4	385.1	362.2	338.0	315.5	293.9	271.8
-70°	381.7	368.4	354.6	339.3	324.2	308.9	292.0	274.3	256.2	240.0	224.4
-72.5°	293.0	283.8	273.3	262.4	250.7	240.3	228.7	216.7	204.5	192.2	180.4
-75°	226.7	220.1	212.8	204.7	194.8	183.1	174.4	168.6	161.2	152.2	142.4
-77.5°	179.3	174.5	169.3	162.3	155.1	147.7	140.3	133.0	125.8	119.0	112.8
-80°	131.9	129.6	126.8	121.0	115.2	109.5	104.0	99.5	95.3	90.7	85.0
-82.5°	77.4	77.1	76.3	73.1	69.9	66.7	63.6	60.4	57.1	53.6	50.1
-85°	25.0	26.4	27.5	28.1	28.4	28.5	28.3	27.5	26.5	25.4	24.2
-87.5°	5.5	5.5	5.5	5.7	5.9	6.1	6.2	6.5	6.8	7.0	7.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





REPORT NUMBER: P645353 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA1E-750-U-LAM-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.3
85°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.5	0.5	0.5
82.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.8	0.8
80°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.8	0.9
77.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.8	0.9
75°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.7	0.8	0.9
72.5°	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.7	0.8	0.9
70°	0.6	0.5	0.5	0.6	0.7	0.8	0.8	0.8	0.7	0.8	0.9
67.5°	0.7	0.8	0.7	0.7	0.7	0.8	1.0	1.1	1.1	0.8	0.9
65°	0.8	0.9	1.0	1.4	1.3	0.9	1.0	2.0	1.6	1.3	1.0
62.5°	1.7	0.9	3.2	4.3	2.4	1.9	1.5	4.4	2.7	1.8	1.3
60°	4.0	3.3	8.9	14.3	10.0	3.4	4.9	7.6	7.0	2.4	1.9
57.5°	37.1	12.8	18.5	26.7	26.3	14.3	10.4	13.9	11.9	6.9	2.7
55°	79.2	66.7	44.0	40.3	43.5	35.2	22.9	22.5	18.4	12.7	4.3
52.5°	108.7	113.4	98.7	69.0	60.1	57.2	44.7	32.6	28.9	19.1	11.1
50°	157.4	146.6	145.1	121.8	84.2	76.2	66.0	50.9	40.6	27.4	18.7
47.5°	222.3	195.3	180.9	170.5	134.4	97.2	86.5	69.6	53.4	39.5	26.7
45°	317.7	252.4	224.7	207.7	184.1	136.7	108.3	87.7	69.7	53.0	35.1
42.5°	413.5	326.3	274.6	247.2	222.7	181.3	131.6	108.7	85.4	66.8	45.8
40°	498.0	402.6	327.1	291.8	260.6	224.4	169.3	131.1	100.9	80.9	57.9
37.5°	599.8	489.4	387.5	338.6	300.9	260.4	207.6	154.5	119.5	95.8	70.0
35°	698.2	601.8	455.1	395.2	345.8	297.3	244.4	182.2	142.4	110.9	82.1
32.5°	804.0	707.5	557.2	458.4	392.3	335.0	278.9	215.9	165.4	126.2	94.2
30°	887.2	777.0	646.8	521.6	442.9	377.1	313.2	248.2	188.4	141.6	106.4
27.5°	931.3	837.2	717.5	592.0	499.8	420.2	348.7	279.0	211.4	158.5	119.1
25°	977.0	879.6	768.1	653.6	556.0	465.9	383.9	308.4	236.6	177.7	131.6
22.5°	1031.5	915.7	810.7	702.4	613.9	512.2	420.9	338.2	261.7	196.4	144.0
20°	1086.3	949.2	852.7	768.8	670.8	562.3	459.6	367.3	285.4	214.7	156.1
17.5°	1143.9	1010.0	924.1	833.6	727.5	610.8	497.7	395.4	307.6	232.4	167.8
15°	1244.0	1101.0	996.0	896.7	783.9	657.5	534.9	422.4	328.4	249.3	178.7
12.5°	1335.0	1185.7	1068.0	957.6	839.4	702.0	570.8	448.2	347.6	262.9	188.5
10°	1410.2	1264.3	1139.2	1016.2	893.2	744.0	605.0	469.1	359.1	273.0	197.4
7.5°	1471.8	1336.9	1208.5	1071.9	939.5	771.5	622.2	481.3	368.0	281.6	205.6
5°	1516.3	1385.4	1245.4	1091.3	953.9	782.8	633.9	491.3	375.2	288.7	213.0
2.5°	1529.2	1400.3	1259.2	1101.9	963.7	790.1	642.3	498.9	380.8	294.5	219.5
0°	1536.6	1410.1	1267.9	1108.4	968.7	793.6	647.3	504.1	384.7	299.1	225.2
-2.5°	1547.1	1418.5	1276.3	1125.2	972.0	804.2	650.2	507.5	389.7	300.7	228.5
-5°	1552.3	1421.8	1280.2	1136.5	971.2	810.5	649.8	508.6	392.9	301.3	231.0
-7.5°	1550.0	1420.7	1280.4	1140.1	966.8	812.0	646.3	507.4	394.2	300.9	232.5
-10°	1543.0	1414.9	1275.5	1130.9	962.8	806.3	640.1	504.2	393.4	299.6	233.0
-12.5°	1532.4	1404.2	1265.5	1117.8	954.3	794.5	632.6	498.7	390.2	297.6	232.7
-15°	1518.6	1388.5	1250.3	1101.0	940.5	778.7	621.5	490.6	384.0	295.2	231.3
-17.5°	1500.9	1368.1	1229.9	1081.2	921.0	759.2	606.5	480.2	376.3	292.3	228.5
-20°	1469.3	1340.6	1203.9	1058.6	895.6	736.1	587.6	467.3	367.1	288.2	224.5

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REPORT NUMBER: P645353 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA1E-750-U-LAM-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1433.8	1306.7	1171.5	1028.2	865.1	709.6	564.8	452.0	356.5	282.9	219.7
-25°	1395.9	1268.5	1133.8	986.0	831.4	681.5	542.0	434.3	344.5	276.3	214.2
-27.5°	1351.5	1225.2	1091.1	939.6	792.2	648.9	520.1	418.6	332.9	268.5	207.9
-30°	1301.5	1174.2	1037.8	890.1	749.3	611.2	495.6	401.9	323.1	259.9	200.9
-32.5°	1244.2	1118.1	978.7	839.4	703.9	571.2	468.5	383.9	311.8	250.8	194.4
-35°	1179.0	1052.8	916.0	784.9	655.9	538.9	442.1	364.9	299.0	241.0	187.5
-37.5°	1111.1	982.8	853.4	728.1	604.8	503.9	418.2	346.1	284.6	230.5	179.9
-40°	1033.6	910.7	787.6	669.5	560.6	466.4	392.5	327.6	271.1	219.3	171.7
-42.5°	953.7	835.1	719.0	607.6	516.9	435.8	365.5	307.6	256.8	208.5	162.7
-45°	867.6	755.3	646.1	555.4	472.5	403.5	341.9	286.9	241.5	197.4	153.4
-47.5°	776.7	671.1	579.8	501.0	434.8	371.0	316.7	269.0	225.5	185.5	144.1
-50°	680.5	592.8	518.8	453.7	394.2	341.7	291.7	250.2	210.8	172.4	134.4
-52.5°	595.2	524.9	463.7	408.0	358.3	310.9	270.1	231.0	195.7	159.9	124.2
-55°	522.2	464.5	412.9	366.5	322.8	284.5	247.7	213.9	180.2	147.3	113.9
-57.5°	459.0	408.6	367.3	327.1	290.9	258.3	227.3	196.5	165.3	134.3	105.7
-60°	398.4	360.8	324.1	291.7	261.0	233.3	208.0	179.0	150.3	121.3	96.6
-62.5°	346.0	314.0	286.1	257.9	232.5	209.9	188.6	162.0	134.8	109.2	86.8
-65°	297.0	272.3	248.6	226.1	205.0	185.9	168.7	144.5	119.3	96.5	76.6
-67.5°	250.3	231.8	213.2	194.3	177.7	162.2	147.5	125.7	103.1	83.0	66.4
-70°	208.7	192.8	178.3	164.2	150.8	137.9	124.0	105.6	86.2	71.0	56.1
-72.5°	169.4	157.8	145.7	134.2	124.3	112.9	100.1	85.8	72.1	58.7	45.4
-75°	133.0	125.4	116.9	107.7	98.4	88.3	79.8	69.8	57.9	46.2	36.6
-77.5°	106.4	99.0	90.5	83.2	77.0	70.0	62.3	53.6	44.2	35.9	28.3
-80°	78.5	72.8	68.0	63.8	58.1	51.7	45.3	39.0	32.1	25.7	19.9
-82.5°	47.9	46.6	45.3	43.4	38.6	33.9	29.3	24.7	19.9	15.4	12.8
-85°	23.9	23.5	22.8	21.7	18.8	15.9	14.6	13.2	11.6	10.0	8.5
-87.5°	7.9	8.5	8.9	9.3	8.6	8.0	7.3	6.6	5.8	5.0	4.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.3	0.2	0.2	0.1	0.1	0.1	0.0
85°	0.5	0.4	0.3	0.3	0.2	0.1	0.0
82.5°	0.8	0.6	0.5	0.4	0.3	0.2	0.0
80°	1.0	0.9	0.7	0.5	0.3	0.2	0.0
77.5°	1.0	1.0	0.9	0.6	0.4	0.3	0.0
75°	1.0	1.0	1.0	0.8	0.5	0.3	0.0
72.5°	1.0	1.1	1.1	0.9	0.6	0.4	0.0
70°	1.1	1.1	1.1	1.0	0.7	0.4	0.0
67.5°	1.2	1.2	1.2	1.1	0.8	0.5	0.0
65°	1.4	1.3	1.2	1.1	0.9	0.5	0.0
62.5°	1.6	1.7	1.3	1.2	1.0	0.6	0.0
60°	1.9	2.0	1.3	1.2	1.1	0.6	0.0
57.5°	3.5	2.4	1.7	1.3	1.1	0.7	0.0
55°	5.5	2.9	2.1	1.3	1.2	0.7	0.0
52.5°	7.9	3.7	2.6	1.4	1.2	0.8	0.0
50°	10.7	6.3	3.1	1.4	1.3	0.8	0.0
47.5°	14.3	9.1	3.5	1.6	1.4	0.9	0.0
45°	21.7	12.1	4.1	2.0	1.4	0.9	0.0
42.5°	29.1	15.3	4.6	2.3	1.5	1.0	0.0
40°	36.8	18.6	6.2	2.8	1.5	1.0	0.0
37.5°	44.6	22.2	8.8	3.5	1.6	1.1	0.0
35°	52.5	27.6	11.5	4.1	1.7	1.1	0.0
32.5°	61.1	33.8	14.2	4.9	1.7	1.2	0.0
30°	70.9	40.0	16.9	5.7	1.8	1.2	0.0
27.5°	80.5	46.1	20.3	6.5	1.9	1.2	0.0
25°	89.9	52.1	23.8	7.4	1.9	1.3	0.0
22.5°	99.0	58.3	27.2	8.4	2.0	1.3	0.0
20°	107.8	64.9	30.7	9.3	2.1	1.3	0.0
17.5°	116.5	71.2	34.0	10.3	2.1	1.4	0.0
15°	124.9	77.4	37.3	11.3	2.2	1.4	0.0
12.5°	132.8	83.2	40.5	12.3	2.2	1.4	0.0
10°	140.0	88.7	43.5	13.3	2.3	1.4	0.0
7.5°	146.7	93.9	46.4	14.2	2.4	1.5	0.0
5°	152.8	98.6	49.1	15.1	2.4	1.5	0.0
2.5°	158.2	103.0	51.5	15.9	2.5	1.5	0.0
0°	163.0	106.8	53.7	16.7	2.5	1.5	0.0
-2.5°	165.4	109.2	55.7	17.8	2.9	1.6	0.0
-5°	167.1	111.2	57.5	18.8	3.3	1.7	0.0
-7.5°	168.2	112.6	58.9	19.7	3.7	1.8	0.0
-10°	168.7	113.4	60.0	20.5	4.0	1.8	0.0
-12.5°	168.6	113.8	60.7	21.1	4.4	1.9	0.0
-15°	168.0	113.6	61.0	21.6	4.7	2.0	0.0
-17.5°	166.7	113.0	61.0	22.0	5.0	2.0	0.0
-20°	164.8	111.8	60.5	22.2	5.3	2.1	0.0

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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	162.1	110.1	59.7	22.3	5.5	2.1	0.0
-25°	158.7	107.4	58.4	22.2	5.8	2.1	0.0
-27.5°	154.7	104.1	56.7	21.9	6.0	2.2	0.0
-30°	150.0	100.4	54.6	21.5	6.1	2.2	0.0
-32.5°	144.7	96.2	52.1	20.8	6.2	2.2	0.0
-35°	139.0	91.5	49.3	20.0	6.3	2.2	0.0
-37.5°	132.8	86.9	46.3	19.0	6.4	2.2	0.0
-40°	126.2	82.7	43.0	17.8	6.4	2.2	0.0
-42.5°	119.1	78.1	40.5	16.5	6.3	2.1	0.0
-45°	111.6	73.3	38.7	15.2	6.3	2.1	0.0
-47.5°	103.6	68.2	36.7	13.7	6.2	2.0	0.0
-50°	97.0	62.9	34.4	13.3	6.0	2.0	0.0
-52.5°	90.3	57.3	31.8	13.0	5.8	1.9	0.0
-55°	83.4	53.0	28.9	12.6	5.6	1.8	0.0
-57.5°	76.3	48.7	25.7	12.1	5.3	1.7	0.0
-60°	69.0	44.0	22.3	11.4	5.0	1.6	0.0
-62.5°	62.3	38.9	20.7	10.6	4.7	1.5	0.0
-65°	55.2	33.5	18.9	9.7	4.4	1.4	0.0
-67.5°	47.6	28.9	16.9	8.6	4.0	1.3	0.0
-70°	39.6	25.3	14.7	7.5	3.7	1.2	0.0
-72.5°	33.5	21.5	12.4	6.6	3.3	1.0	0.0
-75°	27.4	17.3	9.9	5.7	2.8	0.9	0.0
-77.5°	21.0	13.0	8.2	4.8	2.4	0.8	0.0
-80°	14.3	9.9	6.6	3.9	1.9	0.6	0.0
-82.5°	10.5	7.5	5.0	3.0	1.5	0.5	0.0
-85°	7.1	5.0	3.3	2.0	1.0	0.3	0.0
-87.5°	3.5	2.5	1.7	1.0	0.5	0.2	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)