

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: P645431 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA3D-730-U-LAM-VSR-XX

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-2019
Report Number: P645431 (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-SA3D-730-U-LAM-VSR-XX
Description: GALLEON FLOOD, THREE LIGHT SQAURE, LAMBERTIAN WITH VISOR
Light Source: (48) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

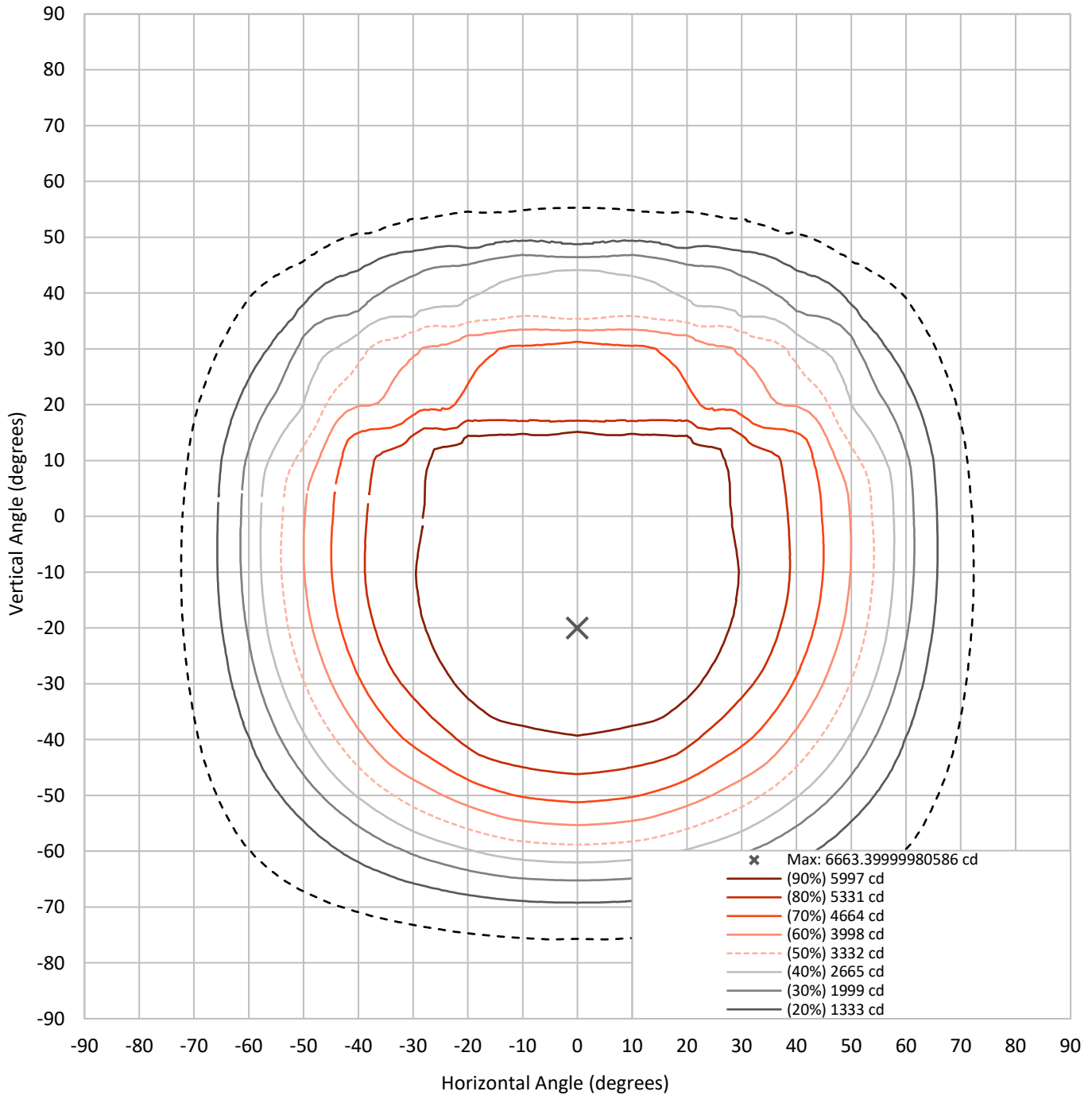
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	15624.2 lumens	Max Intensity:	6663.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -20°V
Efficacy:	97.5 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')		
Beam Angle (50%):	105.6°H x 93.7°V	Field Angle (10%):	144°H x 131.2°V
Beam Lumens:	12214.1 lumens	Field Lumens:	15314 lumens
Beam Efficiency:	78.2%	Field Efficiency:	98.0%
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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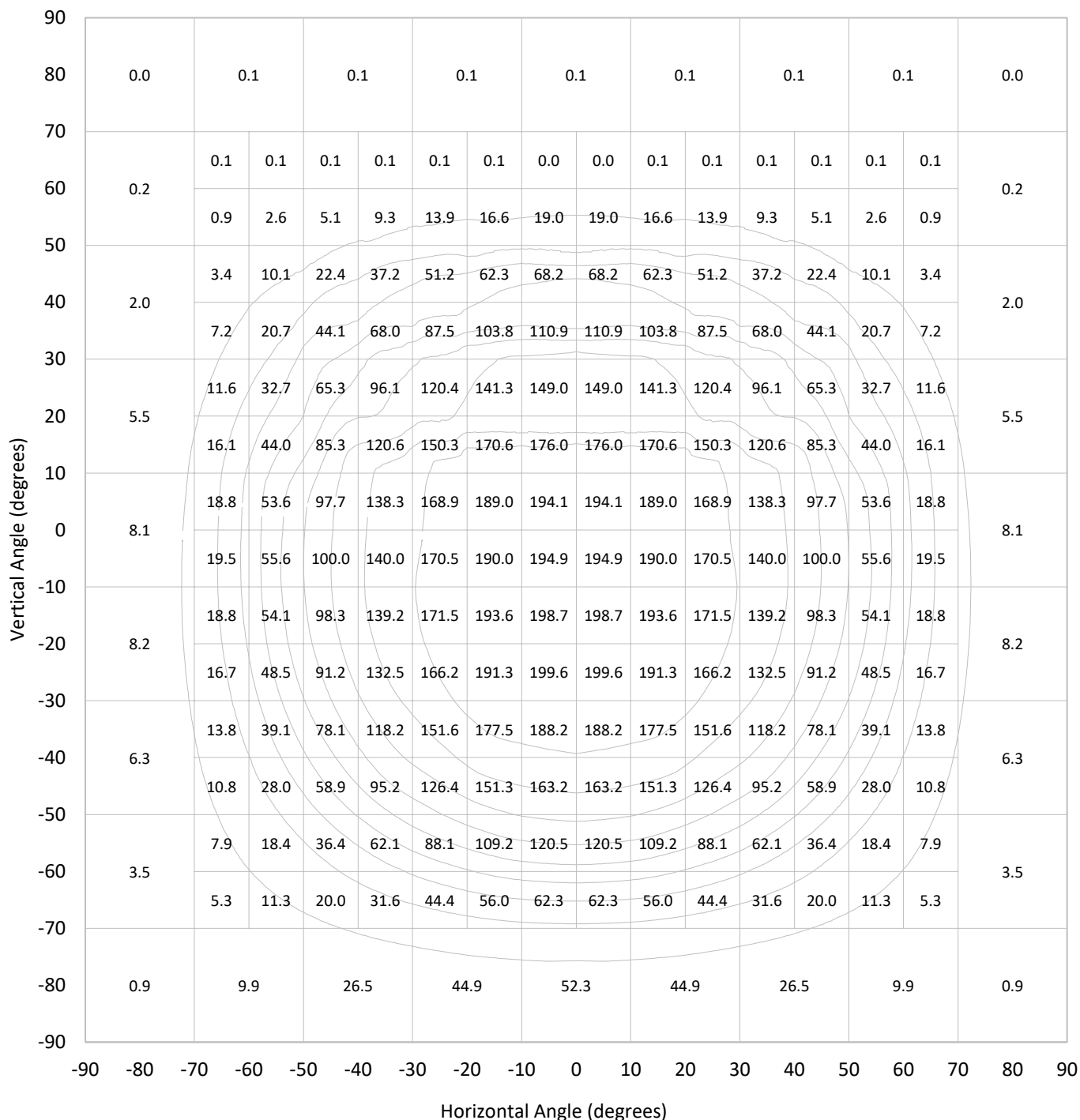
Iso-Candela Plot





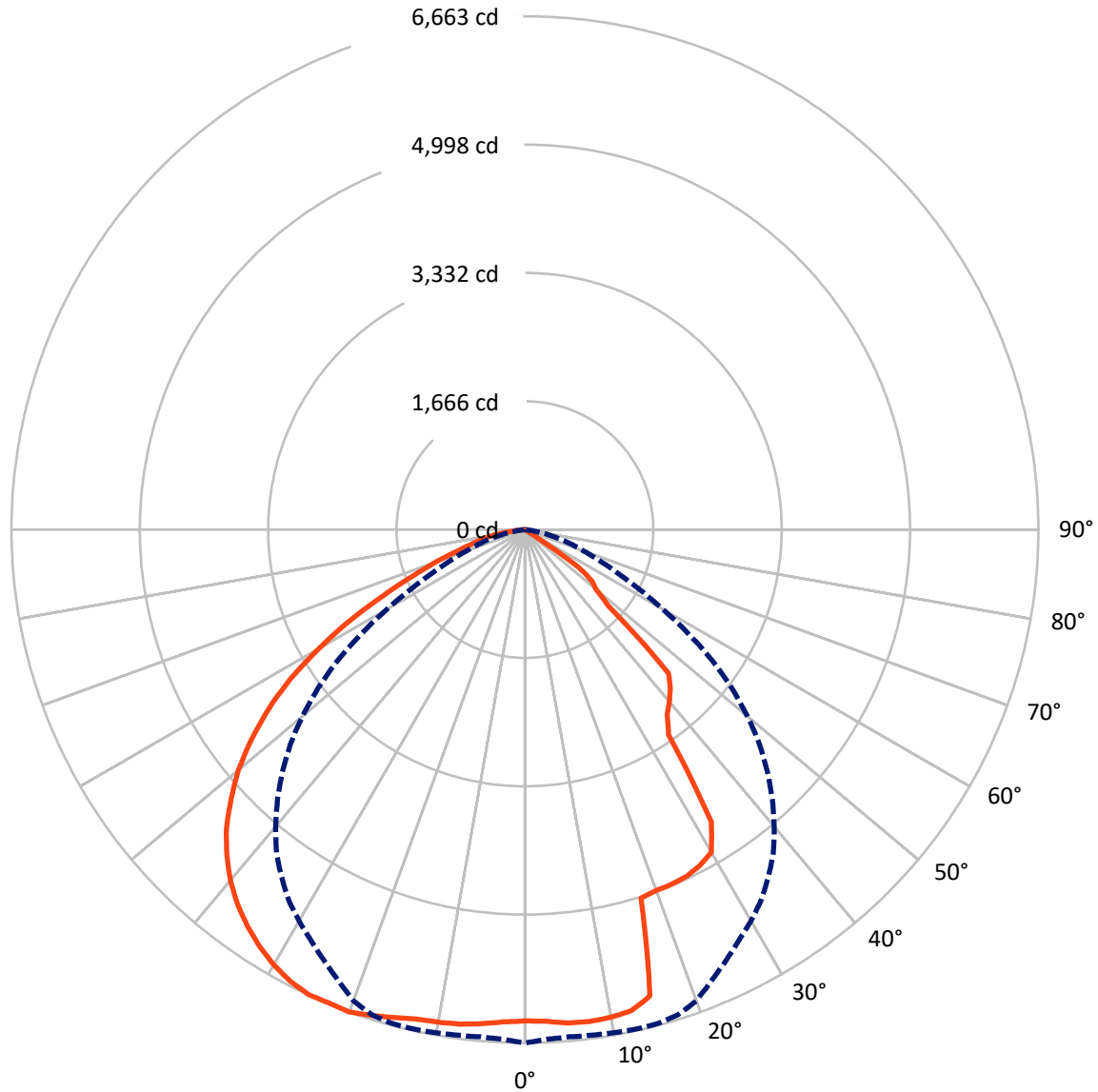
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Lumen Table



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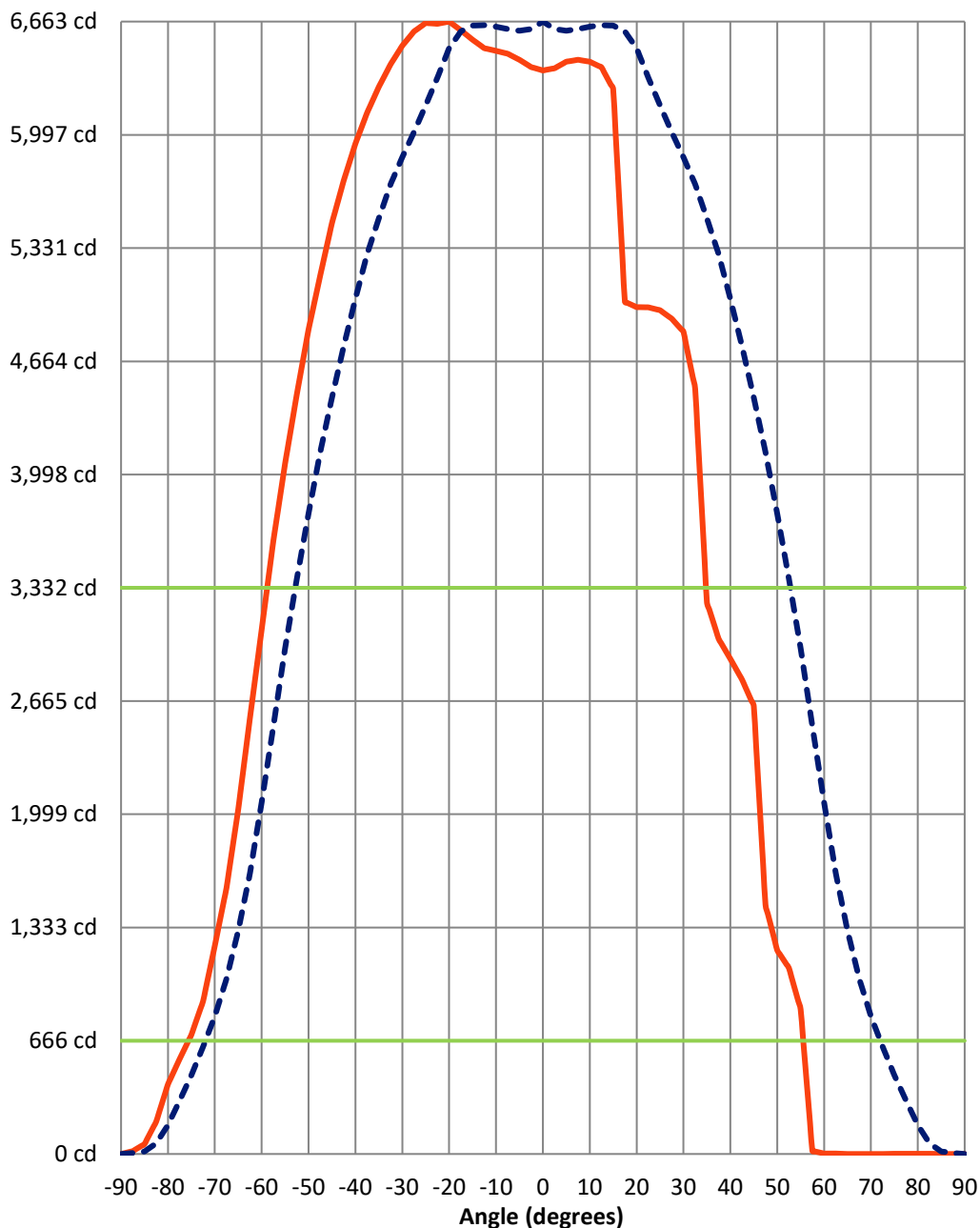
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 105.6°
 V Angle: 93.7°
 Lumens: 12214.1
 Efficiency: 78.2%

Field:
 H Angle: 144°
 V Angle: 131.2°
 Lumens: 15314
 Efficiency: 98.0%

Spill:
 Lumens: 310.3
 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	0.2	0.2	0.4	0.5	0.6	0.7	0.7	0.7	0.7	0.6
85°	0.0	0.3	0.5	0.7	1.0	1.2	1.4	1.5	1.4	1.3	1.2
82.5°	0.0	0.5	0.7	1.1	1.5	1.8	2.2	2.2	2.1	1.8	1.4
80°	0.0	0.6	1.0	1.5	1.9	2.4	2.8	2.5	2.1	1.8	1.4
77.5°	0.0	0.8	1.2	1.8	2.4	2.8	2.8	2.5	2.2	1.8	1.5
75°	0.0	0.9	1.5	2.2	2.8	2.9	2.8	2.5	2.2	1.8	1.5
72.5°	0.0	1.1	1.7	2.5	3.0	3.0	2.9	2.6	2.2	1.9	1.5
70°	0.0	1.2	2.0	2.8	3.1	3.1	3.0	2.6	2.3	1.9	2.2
67.5°	0.0	1.4	2.2	3.0	3.3	3.3	3.3	2.6	2.3	3.1	3.2
65°	0.0	1.5	2.5	3.1	3.4	3.8	3.8	2.7	3.7	4.4	5.5
62.5°	0.0	1.7	2.7	3.3	3.6	4.7	4.4	3.8	5.2	7.8	12.4
60°	0.0	1.8	3.0	3.4	3.7	5.7	5.2	5.3	6.8	19.7	21.5
57.5°	0.0	2.0	3.2	3.6	4.8	6.8	9.7	7.5	19.3	33.5	39.0
55°	0.0	2.1	3.3	3.8	6.0	8.0	15.5	12.2	35.9	51.8	63.1
52.5°	0.0	2.3	3.5	3.9	7.3	10.3	22.2	31.1	53.9	81.3	91.5
50°	0.0	2.4	3.7	4.1	8.5	17.6	30.0	52.7	77.1	114.0	143.0
47.5°	0.0	2.5	3.8	4.5	9.9	25.5	40.4	75.2	111.0	150.2	195.6
45°	0.0	2.7	4.0	5.5	11.3	33.9	60.9	98.8	149.0	195.7	246.6
42.5°	0.0	2.8	4.2	6.6	12.8	42.9	81.9	128.7	187.6	240.1	305.5
40°	0.0	2.9	4.4	8.0	17.2	52.4	103.4	162.7	227.5	283.6	368.5
37.5°	0.0	3.0	4.6	9.7	24.6	62.4	125.3	196.7	269.2	336.0	434.3
35°	0.0	3.2	4.7	11.6	32.2	77.5	147.5	230.8	311.7	400.2	512.1
32.5°	0.0	3.3	4.9	13.7	39.8	95.0	171.7	264.7	354.7	464.8	606.7
30°	0.0	3.4	5.1	15.9	47.5	112.4	199.2	299.0	398.0	529.6	697.4
27.5°	0.0	3.5	5.3	18.3	57.0	129.6	226.3	334.7	445.7	594.2	784.2
25°	0.0	3.6	5.5	20.8	66.8	146.5	252.6	370.0	499.4	664.9	866.9
22.5°	0.0	3.7	5.7	23.5	76.5	163.8	278.3	404.7	552.1	735.5	950.5
20°	0.0	3.8	5.9	26.2	86.1	182.3	303.0	438.7	603.4	802.1	1032.2
17.5°	0.0	3.9	6.0	29.0	95.6	200.2	327.5	471.8	653.1	864.6	1111.3
15°	0.0	4.0	6.2	31.7	104.8	217.4	351.1	502.5	700.8	922.9	1187.3
12.5°	0.0	4.0	6.4	34.5	113.7	233.9	373.1	529.8	738.8	976.8	1259.6
10°	0.0	4.1	6.5	37.2	122.2	249.4	393.5	555.0	767.2	1009.2	1318.5
7.5°	0.0	4.2	6.7	39.9	130.3	263.9	412.2	578.0	791.4	1034.3	1352.9
5°	0.0	4.2	6.8	42.4	137.8	277.3	429.3	598.7	811.5	1054.6	1380.8
2.5°	0.0	4.3	7.0	44.7	144.6	289.4	444.6	617.0	827.9	1070.2	1402.2
0°	0.0	4.3	7.1	46.9	150.8	300.2	458.1	633.0	840.7	1081.2	1416.9
-2.5°	0.0	4.5	8.2	50.0	156.5	307.0	464.8	642.3	845.3	1095.1	1426.5
-5°	0.0	4.8	9.3	52.8	161.4	312.4	469.7	649.2	846.9	1104.2	1429.5
-7.5°	0.0	5.0	10.4	55.3	165.4	316.3	472.8	653.4	845.8	1107.9	1426.3
-10°	0.0	5.2	11.4	57.5	168.4	318.8	474.3	655.1	842.1	1105.7	1417.3
-12.5°	0.0	5.4	12.4	59.3	170.4	319.8	474.0	654.0	836.3	1096.8	1401.7
-15°	0.0	5.6	13.3	60.8	171.4	319.3	472.1	650.1	829.7	1079.4	1379.2
-17.5°	0.0	5.7	14.2	61.8	171.3	317.4	468.7	642.3	821.6	1057.6	1349.8
-20°	0.0	5.9	14.9	62.5	170.0	314.0	463.3	631.1	810.2	1031.8	1313.6

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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	6.0	15.7	62.7	167.6	309.2	455.6	617.7	795.2	1001.9	1270.5
-25°	0.0	6.1	16.3	62.4	164.1	301.8	446.0	602.1	776.7	968.3	1220.7
-27.5°	0.0	6.1	16.8	61.6	159.3	292.5	434.7	584.4	754.7	935.7	1176.6
-30°	0.0	6.2	17.2	60.4	153.3	282.0	421.5	564.6	730.6	908.2	1129.5
-32.5°	0.0	6.2	17.6	58.6	146.3	270.2	406.7	546.3	705.1	876.4	1079.1
-35°	0.0	6.2	17.8	56.3	138.6	257.2	390.6	527.1	677.5	840.3	1025.7
-37.5°	0.0	6.1	17.9	53.5	130.0	244.1	373.3	505.8	647.9	800.0	972.9
-40°	0.0	6.1	18.0	50.1	120.7	232.2	354.7	482.5	616.4	762.0	920.7
-42.5°	0.0	6.0	17.9	46.5	113.7	219.5	334.8	457.2	586.0	721.8	864.6
-45°	0.0	5.9	17.6	42.9	108.9	206.0	313.6	431.1	554.8	678.9	806.4
-47.5°	0.0	5.7	17.3	38.7	103.2	191.7	291.3	405.0	521.5	633.9	756.1
-50°	0.0	5.5	16.9	37.3	96.7	176.7	272.5	377.6	484.6	592.6	703.4
-52.5°	0.0	5.3	16.3	36.6	89.3	160.9	253.8	349.0	449.4	550.1	649.3
-55°	0.0	5.1	15.7	35.4	81.1	149.0	234.4	320.0	414.0	506.4	601.4
-57.5°	0.0	4.9	14.9	33.9	72.2	136.9	214.2	297.0	377.4	464.6	552.3
-60°	0.0	4.6	14.1	32.0	62.8	123.6	193.8	271.6	340.8	422.3	503.3
-62.5°	0.0	4.3	13.2	29.7	58.3	109.4	175.1	243.9	306.9	378.9	455.4
-65°	0.0	4.0	12.3	27.1	53.2	94.1	155.0	215.2	271.0	335.3	406.2
-67.5°	0.0	3.6	11.3	24.2	47.6	81.3	133.7	186.7	233.3	289.7	353.2
-70°	0.0	3.3	10.2	21.0	41.4	71.2	111.2	157.5	199.4	242.1	296.7
-72.5°	0.0	2.9	9.1	18.5	34.7	60.3	94.1	127.7	164.9	202.7	241.0
-75°	0.0	2.5	7.9	16.0	27.6	48.7	76.9	102.9	129.8	162.8	196.1
-77.5°	0.0	2.1	6.6	13.5	22.8	36.5	58.9	79.5	101.0	124.1	150.6
-80°	0.0	1.7	5.4	10.9	18.4	27.8	40.2	55.7	72.3	90.3	109.5
-82.5°	0.0	1.3	4.0	8.3	13.9	21.0	29.5	35.8	43.2	55.8	69.5
-85°	0.0	0.9	2.7	5.5	9.3	14.1	19.8	23.9	28.2	32.6	37.2
-87.5°	0.0	0.4	1.4	2.8	4.7	7.1	9.9	12.0	14.1	16.3	18.6
-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-SA3D-730-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°	0.6	0.7	0.8	0.8	0.9	0.9	0.9	1.0	1.0	1.1	1.1
85°	1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
82.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
80°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
77.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
75°	1.4	1.4	1.5	1.5	1.4	1.4	1.4	1.4	1.4	1.4	1.4
72.5°	1.6	1.8	1.8	1.6	1.4	1.4	1.4	1.4	1.4	1.4	1.4
70°	2.2	2.3	2.0	1.6	1.4	1.5	1.6	1.5	1.4	1.4	1.4
67.5°	2.7	2.4	2.0	1.9	1.9	2.1	2.1	1.7	1.4	1.4	1.4
65°	2.8	2.4	3.5	4.0	2.9	2.5	2.1	1.8	1.9	2.0	2.0
62.5°	4.2	5.3	6.8	12.0	8.9	2.6	4.7	5.5	4.0	3.3	3.6
60°	13.9	9.4	28.0	40.1	25.0	9.1	11.2	37.1	32.2	6.0	20.1
57.5°	29.2	40.1	73.8	75.1	52.0	35.9	104.3	120.5	91.2	53.3	81.5
55°	64.3	98.8	122.4	113.3	123.8	187.4	222.7	200.1	168.5	259.1	331.0
52.5°	125.6	160.8	168.8	193.9	277.5	318.9	305.6	326.8	423.8	526.3	548.5
50°	185.5	214.3	236.7	342.3	407.7	411.9	442.3	538.4	667.7	730.4	715.3
47.5°	243.3	273.1	377.7	479.1	508.6	548.9	624.9	810.3	947.3	950.0	934.5
45°	304.5	384.2	517.6	583.8	631.5	709.4	892.9	1148.7	1162.0	1199.2	1427.8
42.5°	369.9	509.5	626.0	694.9	771.9	917.2	1162.1	1329.9	1387.7	1550.4	1734.2
40°	475.9	630.6	732.4	820.4	919.4	1131.5	1399.7	1557.0	1603.9	1744.7	1883.0
37.5°	583.4	731.8	845.8	951.9	1089.3	1375.5	1685.8	1815.5	1839.2	1865.0	2171.2
35°	686.9	835.5	972.0	1110.9	1279.3	1691.3	1962.5	2084.5	2080.7	2254.6	2575.3
32.5°	783.7	941.5	1102.6	1288.3	1566.2	1988.4	2259.7	2332.7	2443.4	2696.5	3134.2
30°	880.3	1059.8	1244.8	1466.0	1818.0	2183.9	2493.7	2611.1	2800.9	3089.7	3408.2
27.5°	979.9	1181.1	1404.8	1664.0	2016.7	2353.1	2617.7	2898.4	3082.7	3341.5	3568.1
25°	1079.0	1309.4	1562.7	1837.0	2158.8	2472.3	2746.0	3070.1	3268.0	3476.6	3688.1
22.5°	1183.0	1439.6	1725.6	1974.2	2278.6	2573.7	2899.4	3251.0	3508.4	3640.9	3782.9
20°	1291.8	1580.4	1885.5	2160.8	2396.8	2667.8	3053.5	3480.6	3812.9	3962.1	3981.5
17.5°	1398.9	1716.8	2044.8	2343.0	2597.5	2838.7	3215.2	3755.7	4168.9	4307.6	4369.3
15°	1503.4	1848.1	2203.4	2520.3	2799.6	3094.5	3496.6	4046.3	4518.6	4672.1	4769.2
12.5°	1604.2	1973.2	2359.3	2691.6	3001.9	3332.7	3752.2	4255.4	4686.5	4983.4	5161.4
10°	1700.3	2091.4	2510.6	2856.1	3201.8	3553.5	3963.6	4411.1	4762.1	5048.4	5301.2
7.5°	1748.8	2168.6	2640.7	3012.7	3396.8	3757.7	4136.8	4520.9	4816.5	5097.3	5341.7
5°	1781.7	2200.3	2681.3	3067.2	3500.3	3893.9	4262.0	4593.0	4852.0	5130.4	5369.1
2.5°	1805.3	2220.8	2708.8	3097.1	3539.2	3935.7	4298.0	4617.1	4881.3	5154.0	5398.5
0°	1819.5	2230.6	2722.8	3115.4	3563.6	3963.3	4318.9	4626.2	4900.8	5165.4	5428.6
-2.5°	1827.5	2260.4	2732.1	3162.6	3587.1	3987.1	4348.2	4648.2	4935.1	5186.9	5450.8
-5°	1826.5	2278.2	2729.7	3194.4	3598.3	3996.3	4362.9	4658.1	4953.7	5203.0	5459.8
-7.5°	1816.6	2282.3	2717.4	3204.4	3598.8	3993.2	4356.5	4662.9	4953.4	5217.8	5460.6
-10°	1798.9	2266.2	2706.0	3178.6	3585.0	3977.0	4336.8	4652.4	4941.9	5214.8	5455.9
-12.5°	1778.1	2232.9	2682.3	3141.6	3557.0	3946.7	4307.0	4625.8	4920.2	5192.5	5445.0
-15°	1746.8	2188.7	2643.3	3094.6	3514.3	3902.7	4268.2	4582.3	4886.8	5153.5	5412.7
-17.5°	1704.7	2133.9	2588.5	3038.8	3456.8	3845.3	4218.5	4524.9	4828.0	5103.5	5353.7
-20°	1651.7	2069.0	2517.2	2975.3	3383.8	3768.2	4129.7	4450.6	4751.7	5032.0	5294.9



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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°	1587.7	1994.3	2431.5	2889.8	3292.7	3672.8	4029.9	4356.0	4668.0	4939.1	5219.2
-25°	1523.5	1915.4	2336.7	2771.3	3186.8	3565.3	3923.5	4241.2	4560.1	4842.0	5108.1
-27.5°	1462.0	1823.8	2226.6	2640.9	3066.8	3443.6	3798.6	4116.5	4426.1	4734.3	4990.5
-30°	1393.1	1717.9	2105.9	2501.7	2916.9	3300.4	3658.1	3988.0	4282.6	4587.0	4862.1
-32.5°	1316.9	1605.5	1978.5	2359.2	2750.7	3142.8	3497.1	3824.8	4131.3	4419.2	4707.9
-35°	1242.5	1514.7	1843.5	2206.2	2574.7	2959.3	3313.9	3638.4	3956.5	4241.6	4517.6
-37.5°	1175.6	1416.5	1699.9	2046.5	2398.6	2762.3	3123.0	3437.2	3739.8	4053.4	4322.4
-40°	1103.2	1311.0	1575.7	1881.9	2213.8	2559.7	2905.1	3230.1	3514.6	3824.4	4120.4
-42.5°	1027.3	1225.0	1453.0	1707.8	2021.0	2347.2	2680.5	2998.5	3293.9	3586.2	3879.5
-45°	960.9	1134.1	1328.3	1561.0	1816.1	2122.8	2438.5	2755.4	3038.9	3317.5	3607.1
-47.5°	890.2	1042.7	1222.2	1408.1	1629.8	1886.3	2183.1	2475.4	2765.6	3030.7	3287.0
-50°	819.8	960.4	1107.9	1275.2	1458.2	1666.1	1912.6	2184.3	2449.5	2721.6	2975.4
-52.5°	759.2	873.8	1007.1	1146.8	1303.4	1475.4	1672.9	1896.1	2137.2	2368.1	2621.4
-55°	696.2	799.5	907.1	1030.1	1160.4	1305.6	1467.5	1655.1	1839.1	2052.7	2259.4
-57.5°	638.8	725.9	817.7	919.3	1032.4	1148.6	1290.2	1436.1	1603.1	1769.1	1932.8
-60°	584.7	655.9	733.8	819.7	910.7	1014.1	1119.7	1245.1	1379.6	1512.1	1651.0
-62.5°	530.2	590.0	653.5	724.9	804.2	882.4	972.6	1069.1	1168.1	1280.4	1390.0
-65°	474.1	522.5	576.3	635.5	698.8	765.4	834.7	906.2	990.4	1072.6	1152.3
-67.5°	414.6	455.9	499.5	546.1	599.2	651.5	703.7	764.0	826.0	887.0	950.1
-70°	348.5	387.6	423.9	461.6	501.1	542.0	586.6	630.9	674.6	720.3	770.9
-72.5°	281.3	317.3	349.2	377.2	409.6	443.6	476.1	507.2	540.2	574.8	609.1
-75°	224.4	248.1	276.6	302.7	328.5	352.4	373.9	400.3	427.8	452.9	473.7
-77.5°	175.1	196.7	216.2	233.7	254.2	278.2	299.1	317.1	334.6	353.6	373.8
-80°	127.4	145.3	163.1	179.2	191.1	204.6	220.7	239.0	255.0	267.9	279.7
-82.5°	82.3	95.2	108.4	121.9	127.3	131.1	134.6	141.0	150.9	160.6	169.9
-85°	41.0	44.7	52.8	61.1	63.9	66.0	67.4	68.1	71.4	74.5	77.2
-87.5°	20.5	22.4	24.3	26.1	25.1	23.8	22.2	20.2	19.7	19.1	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



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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°	1.1	1.2	1.2	1.2	1.3	1.0	0.7	0.3	0.0	0.0	0.0
85°	1.4	1.4	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.0	0.7
82.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
80°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
77.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
75°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
72.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
70°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
67.5°	1.5	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.2	0.9
65°	2.0	1.9	2.0	2.0	1.7	1.7	1.7	1.7	1.5	1.2	0.8
62.5°	3.5	4.0	3.2	3.1	3.1	3.0	2.8	2.7	2.5	2.4	2.5
60°	22.3	13.2	7.7	9.0	8.1	5.4	6.9	8.0	8.1	7.4	6.5
57.5°	123.7	92.3	68.3	163.2	163.7	78.2	94.1	148.0	121.9	40.0	37.2
55°	344.0	411.4	541.4	514.3	522.7	601.2	656.5	581.2	569.7	607.1	701.3
52.5°	617.9	682.3	726.0	766.9	816.8	870.4	925.5	960.6	993.4	1028.3	1049.1
50°	789.2	879.8	942.0	919.1	1048.0	1100.7	1047.2	1095.0	1153.4	1169.4	1177.0
47.5°	1165.3	1298.2	1324.5	1410.1	1487.0	1485.3	1420.0	1423.8	1597.6	1751.0	1826.3
45°	1674.7	1679.2	1762.8	1913.9	2021.9	1987.9	2079.1	2286.4	2355.4	2422.1	2476.8
42.5°	1873.2	1955.4	2088.7	2222.3	2302.9	2372.7	2440.2	2516.4	2606.0	2678.7	2736.7
40°	2065.3	2131.5	2268.1	2375.7	2442.4	2507.6	2586.3	2670.7	2752.7	2816.5	2860.1
37.5°	2361.0	2412.4	2445.7	2545.5	2671.7	2613.5	2762.8	2869.8	2918.7	2983.5	2989.3
35°	2808.5	2774.3	2730.0	3127.8	3151.6	3017.3	3156.8	3322.7	3235.3	3417.4	3515.3
32.5°	3205.2	3200.1	3547.2	3756.3	3636.0	3734.2	4056.0	4041.7	4256.1	4355.6	4327.3
30°	3578.9	3706.4	3907.2	4062.9	4083.8	4238.6	4381.5	4506.6	4636.1	4752.1	4760.1
27.5°	3768.6	3935.0	4071.3	4161.4	4262.0	4392.3	4521.9	4662.9	4773.0	4845.7	4863.5
25°	3883.3	4053.3	4156.5	4253.5	4364.6	4476.9	4622.1	4775.6	4864.1	4908.9	4923.3
22.5°	3984.5	4137.3	4248.2	4326.9	4446.4	4567.3	4702.7	4832.6	4928.7	4948.3	4955.5
20°	4082.0	4228.7	4414.0	4529.8	4524.1	4660.3	4790.8	4894.1	4974.2	4973.7	4975.7
17.5°	4363.7	4416.1	4752.3	5007.6	4881.2	4814.5	5173.2	5180.0	5201.3	5158.9	5067.2
15°	4780.8	4876.2	5289.3	5566.0	5478.9	5474.3	5992.4	5864.0	5974.5	5945.6	6070.0
12.5°	5222.7	5335.7	5644.3	5916.0	6045.5	6077.4	6250.4	6412.6	6445.9	6432.8	6408.3
10°	5523.7	5684.6	5808.6	5973.5	6104.1	6237.4	6337.6	6454.0	6492.2	6470.1	6439.0
7.5°	5562.9	5721.9	5867.5	6012.2	6136.6	6244.0	6347.9	6442.7	6481.5	6468.7	6447.3
5°	5587.8	5731.9	5873.0	6019.8	6138.7	6238.2	6341.9	6437.9	6460.8	6445.4	6424.5
2.5°	5603.2	5736.5	5872.5	6018.7	6126.8	6221.5	6326.4	6428.9	6428.7	6421.9	6409.7
0°	5610.6	5744.4	5902.3	6034.6	6155.5	6245.1	6349.0	6448.5	6441.4	6422.9	6401.6
-2.5°	5626.6	5762.1	5923.3	6032.9	6169.3	6251.3	6358.6	6444.9	6441.6	6432.5	6421.9
-5°	5640.9	5793.2	5944.1	6059.3	6196.0	6303.3	6410.0	6477.4	6481.0	6468.4	6450.6
-7.5°	5649.6	5818.5	5962.3	6078.2	6210.7	6335.5	6443.7	6514.5	6516.0	6499.2	6477.9
-10°	5646.7	5825.0	5973.1	6092.7	6228.5	6351.8	6464.9	6554.6	6551.7	6535.7	6517.5
-12.5°	5636.0	5814.1	5966.2	6086.2	6240.3	6367.2	6494.5	6583.7	6588.5	6576.5	6556.9
-15°	5612.6	5796.5	5944.3	6075.4	6226.5	6374.8	6505.6	6604.1	6621.7	6611.8	6596.3
-17.5°	5566.3	5760.3	5917.2	6058.4	6203.3	6361.5	6510.2	6617.9	6641.9	6638.0	6625.1
-20°	5505.4	5705.7	5864.9	6012.9	6170.6	6333.5	6506.6	6605.0	6639.8	6642.0	6633.3



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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°	5437.1	5633.1	5802.0	5947.6	6118.6	6283.5	6440.2	6555.5	6614.0	6624.8	6625.6
-25°	5355.1	5556.6	5724.4	5879.4	6038.5	6208.8	6367.1	6495.8	6555.1	6583.5	6592.3
-27.5°	5239.4	5447.6	5612.8	5776.5	5938.4	6114.3	6280.8	6420.6	6468.9	6507.9	6523.5
-30°	5103.8	5309.7	5478.1	5627.8	5813.0	5992.3	6164.1	6286.1	6358.9	6403.5	6427.9
-32.5°	4947.8	5155.7	5332.4	5488.8	5664.8	5844.1	6005.7	6134.4	6234.8	6286.2	6312.3
-35°	4778.7	4990.9	5176.0	5340.7	5506.4	5677.3	5844.8	5979.4	6093.7	6137.9	6170.6
-37.5°	4574.7	4808.9	4998.6	5168.5	5325.9	5486.6	5660.9	5814.9	5926.0	5968.8	6003.2
-40°	4365.6	4591.9	4783.2	4964.4	5120.1	5295.5	5463.5	5624.9	5721.2	5771.2	5810.2
-42.5°	4144.8	4349.2	4531.2	4707.2	4880.6	5061.2	5229.0	5396.7	5480.0	5540.3	5588.1
-45°	3890.0	4080.2	4257.0	4421.7	4600.4	4777.9	4945.9	5094.1	5193.3	5271.7	5332.8
-47.5°	3550.2	3781.9	3959.4	4116.1	4293.2	4464.6	4627.3	4766.6	4875.4	4967.2	5038.1
-50°	3205.0	3427.4	3627.6	3803.6	3968.0	4126.5	4281.4	4417.7	4532.8	4632.3	4704.1
-52.5°	2865.2	3073.5	3272.2	3453.9	3611.9	3761.5	3903.2	4040.4	4161.7	4268.1	4337.6
-55°	2481.2	2697.0	2893.5	3063.0	3220.8	3368.7	3508.6	3638.7	3758.1	3866.4	3933.0
-57.5°	2120.9	2310.2	2493.1	2649.5	2798.5	2939.3	3072.0	3196.5	3311.5	3413.4	3477.6
-60°	1789.8	1927.8	2085.2	2229.6	2361.7	2481.5	2605.3	2721.4	2827.0	2916.6	2976.5
-62.5°	1497.1	1611.5	1725.1	1834.9	1942.1	2049.8	2153.4	2249.6	2337.9	2411.3	2463.7
-65°	1236.3	1328.2	1410.4	1488.3	1562.5	1647.4	1726.2	1800.3	1868.9	1925.2	1965.1
-67.5°	1018.0	1082.6	1139.4	1192.8	1251.3	1311.3	1367.6	1416.6	1458.5	1491.9	1518.2
-70°	820.9	868.4	911.3	953.9	996.6	1035.6	1072.8	1108.9	1143.1	1171.0	1192.0
-72.5°	642.9	675.3	704.5	737.4	768.1	797.7	823.5	844.3	860.4	876.1	889.8
-75°	490.1	514.5	547.4	575.2	598.2	618.5	637.2	653.7	668.3	681.2	692.6
-77.5°	394.2	414.9	435.9	456.2	475.8	490.4	503.9	517.5	530.8	542.2	552.3
-80°	292.2	307.6	323.8	340.1	356.3	364.4	370.8	376.7	382.0	388.8	395.2
-82.5°	178.7	187.4	196.4	205.5	214.6	216.9	217.7	217.5	216.3	213.8	210.0
-85°	79.5	80.0	79.7	78.8	77.3	74.1	70.3	65.8	60.8	60.1	59.1
-87.5°	17.5	17.1	16.6	16.1	15.5	15.5	15.4	15.2	15.1	15.6	16.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645431 (CONVERTED FROM TYPE C PHOTOMETRY)
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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	0.3
85°	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.7	1.0	1.3	1.3
82.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
80°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
77.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
75°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
72.5°	1.4	1.4	0.7	0.0	0.7	1.4	1.4	1.4	1.4	1.4	1.4
70°	1.4	1.4	0.7	0.0	0.7	1.4	1.4	1.4	1.4	1.4	1.4
67.5°	0.5	0.1	0.0	0.0	0.0	0.1	0.5	0.9	1.2	1.4	1.4
65°	0.5	0.1	0.0	0.0	0.0	0.1	0.5	0.8	1.2	1.5	1.7
62.5°	2.6	2.7	2.8	2.8	2.8	2.7	2.6	2.5	2.4	2.5	2.7
60°	5.1	3.3	2.8	2.8	2.8	3.3	5.1	6.5	7.4	8.1	8.0
57.5°	31.4	23.4	19.9	18.5	19.9	23.4	31.4	37.2	40.0	121.9	148.0
55°	768.8	808.0	837.2	850.7	837.2	808.0	768.8	701.3	607.1	569.7	581.2
52.5°	1067.5	1084.5	1094.3	1094.0	1094.3	1084.5	1067.5	1049.1	1028.3	993.4	960.6
50°	1189.8	1198.1	1201.0	1199.2	1201.0	1198.1	1189.8	1177.0	1169.4	1153.4	1095.0
47.5°	1757.5	1605.3	1493.5	1466.7	1493.5	1605.3	1757.5	1826.3	1751.0	1597.6	1423.8
45°	2503.0	2560.7	2618.2	2636.0	2618.2	2560.7	2503.0	2476.8	2422.1	2355.4	2286.4
42.5°	2761.2	2780.0	2790.7	2791.1	2790.7	2780.0	2761.2	2736.7	2678.7	2606.0	2516.4
40°	2884.5	2902.2	2912.5	2913.4	2912.5	2902.2	2884.5	2860.1	2816.5	2752.7	2670.7
37.5°	2996.4	3011.5	3021.4	3031.5	3021.4	3011.5	2996.4	2989.3	2983.5	2918.7	2869.8
35°	3502.1	3387.6	3222.8	3247.7	3222.8	3387.6	3502.1	3515.3	3417.4	3235.3	3322.7
32.5°	4371.7	4419.8	4449.8	4501.0	4449.8	4419.8	4371.7	4327.3	4355.6	4256.1	4041.7
30°	4772.9	4788.8	4812.9	4838.2	4812.9	4788.8	4772.9	4760.1	4752.1	4636.1	4506.6
27.5°	4872.9	4889.4	4904.1	4915.0	4904.1	4889.4	4872.9	4863.5	4845.7	4773.0	4662.9
25°	4925.3	4935.6	4951.1	4964.8	4951.1	4935.6	4925.3	4923.3	4908.9	4864.1	4775.6
22.5°	4951.4	4952.4	4964.6	4981.9	4964.6	4952.4	4951.4	4955.5	4948.3	4928.7	4832.6
20°	4969.2	4959.5	4972.1	4983.3	4972.1	4959.5	4969.2	4975.7	4973.7	4974.2	4894.1
17.5°	5196.7	5066.9	5013.6	5014.6	5013.6	5066.9	5196.7	5067.2	5158.9	5201.3	5180.0
15°	5930.3	5979.0	6165.6	6266.5	6165.6	5979.0	5930.3	6070.0	5945.6	5974.5	5864.0
12.5°	6403.8	6386.4	6364.3	6394.5	6364.3	6386.4	6403.8	6408.3	6432.8	6445.9	6412.6
10°	6425.7	6423.7	6384.2	6427.2	6384.2	6423.7	6425.7	6439.0	6470.1	6492.2	6454.0
7.5°	6412.3	6413.4	6396.6	6438.6	6396.6	6413.4	6412.3	6447.3	6468.7	6481.5	6442.7
5°	6421.1	6392.3	6403.2	6427.2	6403.2	6392.3	6421.1	6424.5	6445.4	6460.8	6437.9
2.5°	6396.3	6393.3	6372.0	6388.8	6372.0	6393.3	6396.3	6409.7	6421.9	6428.7	6428.9
0°	6377.4	6361.8	6361.8	6376.0	6361.8	6361.8	6377.4	6401.6	6422.9	6441.4	6448.5
-2.5°	6411.0	6407.8	6405.7	6395.9	6405.7	6407.8	6411.0	6421.9	6432.5	6441.6	6444.9
-5°	6438.7	6430.3	6406.9	6438.6	6406.9	6430.3	6438.7	6450.6	6468.4	6481.0	6477.4
-7.5°	6468.4	6446.9	6424.7	6474.1	6424.7	6446.9	6468.4	6477.9	6499.2	6516.0	6514.5
-10°	6495.6	6464.4	6442.9	6491.2	6442.9	6464.4	6495.6	6517.5	6535.7	6551.7	6554.6
-12.5°	6531.6	6495.0	6480.7	6506.9	6480.7	6495.0	6531.6	6556.9	6576.5	6588.5	6583.7
-15°	6569.9	6544.6	6541.2	6556.7	6541.2	6544.6	6569.9	6596.3	6611.8	6621.7	6604.1
-17.5°	6603.5	6585.8	6594.6	6612.1	6594.6	6585.8	6603.5	6625.1	6638.0	6641.9	6617.9
-20°	6619.6	6609.6	6619.5	6663.4	6619.5	6609.6	6619.6	6633.3	6642.0	6639.8	6605.0



REPORT NUMBER: P645431 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3D-730-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°	6618.2	6618.8	6636.2	6650.5	6636.2	6618.8	6618.2	6625.6	6624.8	6614.0	6555.5
-25°	6592.9	6606.3	6626.2	6654.8	6626.2	6606.3	6592.9	6592.3	6583.5	6555.1	6495.8
-27.5°	6532.0	6554.1	6575.0	6605.0	6575.0	6554.1	6532.0	6523.5	6507.9	6468.9	6420.6
-30°	6444.0	6470.2	6488.8	6521.1	6488.8	6470.2	6444.0	6427.9	6403.5	6358.9	6286.1
-32.5°	6336.8	6366.5	6388.5	6411.6	6388.5	6366.5	6336.8	6312.3	6286.2	6234.8	6134.4
-35°	6202.9	6234.9	6258.3	6279.3	6258.3	6234.9	6202.9	6170.6	6137.9	6093.7	5979.4
-37.5°	6041.9	6076.4	6103.1	6127.0	6103.1	6076.4	6041.9	6003.2	5968.8	5926.0	5814.9
-40°	5854.4	5889.8	5918.3	5945.0	5918.3	5889.8	5854.4	5810.2	5771.2	5721.2	5624.9
-42.5°	5635.1	5670.9	5700.2	5727.3	5700.2	5670.9	5635.1	5588.1	5540.3	5480.0	5396.7
-45°	5381.9	5418.7	5449.8	5478.3	5449.8	5418.7	5381.9	5332.8	5271.7	5193.3	5094.1
-47.5°	5090.4	5129.8	5156.3	5169.6	5156.3	5129.8	5090.4	5038.1	4967.2	4875.4	4766.6
-50°	4756.1	4795.5	4827.4	4851.0	4827.4	4795.5	4756.1	4704.1	4632.3	4532.8	4417.7
-52.5°	4388.3	4425.7	4453.1	4469.7	4453.1	4425.7	4388.3	4337.6	4268.1	4161.7	4040.4
-55°	3985.4	4024.6	4050.7	4062.9	4050.7	4024.6	3985.4	3933.0	3866.4	3758.1	3638.7
-57.5°	3528.5	3565.8	3593.5	3609.1	3593.5	3565.8	3528.5	3477.6	3413.4	3311.5	3196.5
-60°	3023.0	3056.4	3077.4	3085.6	3077.4	3056.4	3023.0	2976.5	2916.6	2827.0	2721.4
-62.5°	2506.0	2537.6	2557.3	2564.9	2557.3	2537.6	2506.0	2463.7	2411.3	2337.9	2249.6
-65°	1994.9	2014.7	2025.6	2027.2	2025.6	2014.7	1994.9	1965.1	1925.2	1868.9	1800.3
-67.5°	1539.0	1554.1	1563.2	1566.3	1563.2	1554.1	1539.0	1518.2	1491.9	1458.5	1416.6
-70°	1207.6	1218.0	1223.8	1224.8	1223.8	1218.0	1207.6	1192.0	1171.0	1143.1	1108.9
-72.5°	900.3	907.8	905.2	899.1	905.2	907.8	900.3	889.8	876.1	860.4	844.3
-75°	702.3	710.5	707.1	701.3	707.1	710.5	702.3	692.6	681.2	668.3	653.7
-77.5°	561.1	568.6	564.9	559.1	564.9	568.6	561.1	552.3	542.2	530.8	517.5
-80°	400.7	405.1	408.2	409.7	408.2	405.1	400.7	395.2	388.8	382.0	376.7
-82.5°	205.1	199.1	195.2	190.6	195.2	199.1	205.1	210.0	213.8	216.3	217.5
-85°	58.0	56.6	57.5	58.3	57.5	56.6	58.0	59.1	60.1	60.8	65.8
-87.5°	16.6	17.0	17.1	17.1	17.1	17.0	16.6	16.1	15.6	15.1	15.2
-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°	0.7	1.0	1.3	1.2	1.2	1.2	1.1	1.1	1.1	1.0	1.0
85°	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
82.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
80°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
77.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
75°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
72.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
70°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.5
67.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.4	1.4	1.4	1.7
65°	1.7	1.7	1.7	2.0	2.0	1.9	2.0	2.0	2.0	1.9	1.8
62.5°	2.8	3.0	3.1	3.1	3.2	4.0	3.5	3.6	3.3	4.0	5.5
60°	6.9	5.4	8.1	9.0	7.7	13.2	22.3	20.1	6.0	32.2	37.1
57.5°	94.1	78.2	163.7	163.2	68.3	92.3	123.7	81.5	53.3	91.2	120.5
55°	656.5	601.2	522.7	514.3	541.4	411.4	344.0	331.0	259.1	168.5	200.1
52.5°	925.5	870.4	816.8	766.9	726.0	682.3	617.9	548.5	526.3	423.8	326.8
50°	1047.2	1100.7	1048.0	919.1	942.0	879.8	789.2	715.3	730.4	667.7	538.4
47.5°	1420.0	1485.3	1487.0	1410.1	1324.5	1298.2	1165.3	934.5	950.0	947.3	810.3
45°	2079.1	1987.9	2021.9	1913.9	1762.8	1679.2	1674.7	1427.8	1199.2	1162.0	1148.7
42.5°	2440.2	2372.7	2302.9	2222.3	2088.7	1955.4	1873.2	1734.2	1550.4	1387.7	1329.9
40°	2586.3	2507.6	2442.4	2375.7	2268.1	2131.5	2065.3	1883.0	1744.7	1603.9	1557.0
37.5°	2762.8	2613.5	2671.7	2545.5	2445.7	2412.4	2361.0	2171.2	1865.0	1839.2	1815.5
35°	3156.8	3017.3	3151.6	3127.8	2730.0	2774.3	2808.5	2575.3	2254.6	2080.7	2084.5
32.5°	4056.0	3734.2	3636.0	3756.3	3547.2	3200.1	3205.2	3134.2	2696.5	2443.4	2332.7
30°	4381.5	4238.6	4083.8	4062.9	3907.2	3706.4	3578.9	3408.2	3089.7	2800.9	2611.1
27.5°	4521.9	4392.3	4262.0	4161.4	4071.3	3935.0	3768.6	3568.1	3341.5	3082.7	2898.4
25°	4622.1	4476.9	4364.6	4253.5	4156.5	4053.3	3883.3	3688.1	3476.6	3268.0	3070.1
22.5°	4702.7	4567.3	4446.4	4326.9	4248.2	4137.3	3984.5	3782.9	3640.9	3508.4	3251.0
20°	4790.8	4660.3	4524.1	4529.8	4414.0	4228.7	4082.0	3981.5	3962.1	3812.9	3480.6
17.5°	5173.2	4814.5	4881.2	5007.6	4752.3	4416.1	4363.7	4369.3	4307.6	4168.9	3755.7
15°	5992.4	5474.3	5478.9	5566.0	5289.3	4876.2	4780.8	4769.2	4672.1	4518.6	4046.3
12.5°	6250.4	6077.4	6045.5	5916.0	5644.3	5335.7	5222.7	5161.4	4983.4	4686.5	4255.4
10°	6337.6	6237.4	6104.1	5973.5	5808.6	5684.6	5523.7	5301.2	5048.4	4762.1	4411.1
7.5°	6347.9	6244.0	6136.6	6012.2	5867.5	5721.9	5562.9	5341.7	5097.3	4816.5	4520.9
5°	6341.9	6238.2	6138.7	6019.8	5873.0	5731.9	5587.8	5369.1	5130.4	4852.0	4593.0
2.5°	6326.4	6221.5	6126.8	6018.7	5872.5	5736.5	5603.2	5398.5	5154.0	4881.3	4617.1
0°	6349.0	6245.1	6155.5	6034.6	5902.3	5744.4	5610.6	5428.6	5165.4	4900.8	4626.2
-2.5°	6358.6	6251.3	6169.3	6032.9	5923.3	5762.1	5626.6	5450.8	5186.9	4935.1	4648.2
-5°	6410.0	6303.3	6196.0	6059.3	5944.1	5793.2	5640.9	5459.8	5203.0	4953.7	4658.1
-7.5°	6443.7	6335.5	6210.7	6078.2	5962.3	5818.5	5649.6	5460.6	5217.8	4953.4	4662.9
-10°	6464.9	6351.8	6228.5	6092.7	5973.1	5825.0	5646.7	5455.9	5214.8	4941.9	4652.4
-12.5°	6494.5	6367.2	6240.3	6086.2	5966.2	5814.1	5636.0	5445.0	5192.5	4920.2	4625.8
-15°	6505.6	6374.8	6226.5	6075.4	5944.3	5796.5	5612.6	5412.7	5153.5	4886.8	4582.3
-17.5°	6510.2	6361.5	6203.3	6058.4	5917.2	5760.3	5566.3	5353.7	5103.5	4828.0	4524.9
-20°	6506.6	6333.5	6170.6	6012.9	5864.9	5705.7	5505.4	5294.9	5032.0	4751.7	4450.6



REPORT NUMBER: P645431 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3D-730-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°	6440.2	6283.5	6118.6	5947.6	5802.0	5633.1	5437.1	5219.2	4939.1	4668.0	4356.0
-25°	6367.1	6208.8	6038.5	5879.4	5724.4	5556.6	5355.1	5108.1	4842.0	4560.1	4241.2
-27.5°	6280.8	6114.3	5938.4	5776.5	5612.8	5447.6	5239.4	4990.5	4734.3	4426.1	4116.5
-30°	6164.1	5992.3	5813.0	5627.8	5478.1	5309.7	5103.8	4862.1	4587.0	4282.6	3988.0
-32.5°	6005.7	5844.1	5664.8	5488.8	5332.4	5155.7	4947.8	4707.9	4419.2	4131.3	3824.8
-35°	5844.8	5677.3	5506.4	5340.7	5176.0	4990.9	4778.7	4517.6	4241.6	3956.5	3638.4
-37.5°	5660.9	5486.6	5325.9	5168.5	4998.6	4808.9	4574.7	4322.4	4053.4	3739.8	3437.2
-40°	5463.5	5295.5	5120.1	4964.4	4783.2	4591.9	4365.6	4120.4	3824.4	3514.6	3230.1
-42.5°	5229.0	5061.2	4880.6	4707.2	4531.2	4349.2	4144.8	3879.5	3586.2	3293.9	2998.5
-45°	4945.9	4777.9	4600.4	4421.7	4257.0	4080.2	3890.0	3607.1	3317.5	3038.9	2755.4
-47.5°	4627.3	4464.6	4293.2	4116.1	3959.4	3781.9	3550.2	3287.0	3030.7	2765.6	2475.4
-50°	4281.4	4126.5	3968.0	3803.6	3627.6	3427.4	3205.0	2975.4	2721.6	2449.5	2184.3
-52.5°	3903.2	3761.5	3611.9	3453.9	3272.2	3073.5	2865.2	2621.4	2368.1	2137.2	1896.1
-55°	3508.6	3368.7	3220.8	3063.0	2893.5	2697.0	2481.2	2259.4	2052.7	1839.1	1655.1
-57.5°	3072.0	2939.3	2798.5	2649.5	2493.1	2310.2	2120.9	1932.8	1769.1	1603.1	1436.1
-60°	2605.3	2481.5	2361.7	2229.6	2085.2	1927.8	1789.8	1651.0	1512.1	1379.6	1245.1
-62.5°	2153.4	2049.8	1942.1	1834.9	1725.1	1611.5	1497.1	1390.0	1280.4	1168.1	1069.1
-65°	1726.2	1647.4	1562.5	1488.3	1410.4	1328.2	1236.3	1152.3	1072.6	990.4	906.2
-67.5°	1367.6	1311.3	1251.3	1192.8	1139.4	1082.6	1018.0	950.1	887.0	826.0	764.0
-70°	1072.8	1035.6	996.6	953.9	911.3	868.4	820.9	770.9	720.3	674.6	630.9
-72.5°	823.5	797.7	768.1	737.4	704.5	675.3	642.9	609.1	574.8	540.2	507.2
-75°	637.2	618.5	598.2	575.2	547.4	514.5	490.1	473.7	452.9	427.8	400.3
-77.5°	503.9	490.4	475.8	456.2	435.9	414.9	394.2	373.8	353.6	334.6	317.1
-80°	370.8	364.4	356.3	340.1	323.8	307.6	292.2	279.7	267.9	255.0	239.0
-82.5°	217.7	216.9	214.6	205.5	196.4	187.4	178.7	169.9	160.6	150.9	141.0
-85°	70.3	74.1	77.3	78.8	79.7	80.0	79.5	77.2	74.5	71.4	68.1
-87.5°	15.4	15.5	15.5	16.1	16.6	17.1	17.5	18.3	19.1	19.7	20.2
-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: P645431 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3D-730-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°	0.9	0.9	0.9	0.8	0.8	0.7	0.6	0.6	0.7	0.7	0.7
85°	1.4	1.4	1.4	1.4	1.4	1.4	1.3	1.2	1.3	1.4	1.5
82.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.8	2.1	2.2
80°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.8	2.1	2.5
77.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.8	2.2	2.5
75°	1.4	1.4	1.4	1.5	1.5	1.4	1.4	1.5	1.8	2.2	2.5
72.5°	1.4	1.4	1.4	1.6	1.8	1.8	1.6	1.5	1.9	2.2	2.6
70°	1.6	1.5	1.4	1.6	2.0	2.3	2.2	2.2	1.9	2.3	2.6
67.5°	2.1	2.1	1.9	1.9	2.0	2.4	2.7	3.2	3.1	2.3	2.6
65°	2.1	2.5	2.9	4.0	3.5	2.4	2.8	5.5	4.4	3.7	2.7
62.5°	4.7	2.6	8.9	12.0	6.8	5.3	4.2	12.4	7.8	5.2	3.8
60°	11.2	9.1	25.0	40.1	28.0	9.4	13.9	21.5	19.7	6.8	5.3
57.5°	104.3	35.9	52.0	75.1	73.8	40.1	29.2	39.0	33.5	19.3	7.5
55°	222.7	187.4	123.8	113.3	122.4	98.8	64.3	63.1	51.8	35.9	12.2
52.5°	305.6	318.9	277.5	193.9	168.8	160.8	125.6	91.5	81.3	53.9	31.1
50°	442.3	411.9	407.7	342.3	236.7	214.3	185.5	143.0	114.0	77.1	52.7
47.5°	624.9	548.9	508.6	479.1	377.7	273.1	243.3	195.6	150.2	111.0	75.2
45°	892.9	709.4	631.5	583.8	517.6	384.2	304.5	246.6	195.7	149.0	98.8
42.5°	1162.1	917.2	771.9	694.9	626.0	509.5	369.9	305.5	240.1	187.6	128.7
40°	1399.7	1131.5	919.4	820.4	732.4	630.6	475.9	368.5	283.6	227.5	162.7
37.5°	1685.8	1375.5	1089.3	951.9	845.8	731.8	583.4	434.3	336.0	269.2	196.7
35°	1962.5	1691.3	1279.3	1110.9	972.0	835.5	686.9	512.1	400.2	311.7	230.8
32.5°	2259.7	1988.4	1566.2	1288.3	1102.6	941.5	783.7	606.7	464.8	354.7	264.7
30°	2493.7	2183.9	1818.0	1466.0	1244.8	1059.8	880.3	697.4	529.6	398.0	299.0
27.5°	2617.7	2353.1	2016.7	1664.0	1404.8	1181.1	979.9	784.2	594.2	445.7	334.7
25°	2746.0	2472.3	2158.8	1837.0	1562.7	1309.4	1079.0	866.9	664.9	499.4	370.0
22.5°	2899.4	2573.7	2278.6	1974.2	1725.6	1439.6	1183.0	950.5	735.5	552.1	404.7
20°	3053.5	2667.8	2396.8	2160.8	1885.5	1580.4	1291.8	1032.2	802.1	603.4	438.7
17.5°	3215.2	2838.7	2597.5	2343.0	2044.8	1716.8	1398.9	1111.3	864.6	653.1	471.8
15°	3496.6	3094.5	2799.6	2520.3	2203.4	1848.1	1503.4	1187.3	922.9	700.8	502.5
12.5°	3752.2	3332.7	3001.9	2691.6	2359.3	1973.2	1604.2	1259.6	976.8	738.8	529.8
10°	3963.6	3553.5	3201.8	2856.1	2510.6	2091.4	1700.3	1318.5	1009.2	767.2	555.0
7.5°	4136.8	3757.7	3396.8	3012.7	2640.7	2168.6	1748.8	1352.9	1034.3	791.4	578.0
5°	4262.0	3893.9	3500.3	3067.2	2681.3	2200.3	1781.7	1380.8	1054.6	811.5	598.7
2.5°	4298.0	3935.7	3539.2	3097.1	2708.8	2220.8	1805.3	1402.2	1070.2	827.9	617.0
0°	4318.9	3963.3	3563.6	3115.4	2722.8	2230.6	1819.5	1416.9	1081.2	840.7	633.0
-2.5°	4348.2	3987.1	3587.1	3162.6	2732.1	2260.4	1827.5	1426.5	1095.1	845.3	642.3
-5°	4362.9	3996.3	3598.3	3194.4	2729.7	2278.2	1826.5	1429.5	1104.2	846.9	649.2
-7.5°	4356.5	3993.2	3598.8	3204.4	2717.4	2282.3	1816.6	1426.3	1107.9	845.8	653.4
-10°	4336.8	3977.0	3585.0	3178.6	2706.0	2266.2	1798.9	1417.3	1105.7	842.1	655.1
-12.5°	4307.0	3946.7	3557.0	3141.6	2682.3	2232.9	1778.1	1401.7	1096.8	836.3	654.0
-15°	4268.2	3902.7	3514.3	3094.6	2643.3	2188.7	1746.8	1379.2	1079.4	829.7	650.1
-17.5°	4218.5	3845.3	3456.8	3038.8	2588.5	2133.9	1704.7	1349.8	1057.6	821.6	642.3
-20°	4129.7	3768.2	3383.8	2975.3	2517.2	2069.0	1651.7	1313.6	1031.8	810.2	631.1



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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°	4029.9	3672.8	3292.7	2889.8	2431.5	1994.3	1587.7	1270.5	1001.9	795.2	617.7
-25°	3923.5	3565.3	3186.8	2771.3	2336.7	1915.4	1523.5	1220.7	968.3	776.7	602.1
-27.5°	3798.6	3443.6	3066.8	2640.9	2226.6	1823.8	1462.0	1176.6	935.7	754.7	584.4
-30°	3658.1	3300.4	2916.9	2501.7	2105.9	1717.9	1393.1	1129.5	908.2	730.6	564.6
-32.5°	3497.1	3142.8	2750.7	2359.2	1978.5	1605.5	1316.9	1079.1	876.4	705.1	546.3
-35°	3313.9	2959.3	2574.7	2206.2	1843.5	1514.7	1242.5	1025.7	840.3	677.5	527.1
-37.5°	3123.0	2762.3	2398.6	2046.5	1699.9	1416.5	1175.6	972.9	800.0	647.9	505.8
-40°	2905.1	2559.7	2213.8	1881.9	1575.7	1311.0	1103.2	920.7	762.0	616.4	482.5
-42.5°	2680.5	2347.2	2021.0	1707.8	1453.0	1225.0	1027.3	864.6	721.8	586.0	457.2
-45°	2438.5	2122.8	1816.1	1561.0	1328.3	1134.1	960.9	806.4	678.9	554.8	431.1
-47.5°	2183.1	1886.3	1629.8	1408.1	1222.2	1042.7	890.2	756.1	633.9	521.5	405.0
-50°	1912.6	1666.1	1458.2	1275.2	1107.9	960.4	819.8	703.4	592.6	484.6	377.6
-52.5°	1672.9	1475.4	1303.4	1146.8	1007.1	873.8	759.2	649.3	550.1	449.4	349.0
-55°	1467.5	1305.6	1160.4	1030.1	907.1	799.5	696.2	601.4	506.4	414.0	320.0
-57.5°	1290.2	1148.6	1032.4	919.3	817.7	725.9	638.8	552.3	464.6	377.4	297.0
-60°	1119.7	1014.1	910.7	819.7	733.8	655.9	584.7	503.3	422.3	340.8	271.6
-62.5°	972.6	882.4	804.2	724.9	653.5	590.0	530.2	455.4	378.9	306.9	243.9
-65°	834.7	765.4	698.8	635.5	576.3	522.5	474.1	406.2	335.3	271.0	215.2
-67.5°	703.7	651.5	599.2	546.1	499.5	455.9	414.6	353.2	289.7	233.3	186.7
-70°	586.6	542.0	501.1	461.6	423.9	387.6	348.5	296.7	242.1	199.4	157.5
-72.5°	476.1	443.6	409.6	377.2	349.2	317.3	281.3	241.0	202.7	164.9	127.7
-75°	373.9	352.4	328.5	302.7	276.6	248.1	224.4	196.1	162.8	129.8	102.9
-77.5°	299.1	278.2	254.2	233.7	216.2	196.7	175.1	150.6	124.1	101.0	79.5
-80°	220.7	204.6	191.1	179.2	163.1	145.3	127.4	109.5	90.3	72.3	55.7
-82.5°	134.6	131.1	127.3	121.9	108.4	95.2	82.3	69.5	55.8	43.2	35.8
-85°	67.4	66.0	63.9	61.1	52.8	44.7	41.0	37.2	32.6	28.2	23.9
-87.5°	22.2	23.8	25.1	26.1	24.3	22.4	20.5	18.6	16.3	14.1	12.0
-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°	0.7	0.6	0.5	0.4	0.2	0.2	0.0
85°	1.4	1.2	1.0	0.7	0.5	0.3	0.0
82.5°	2.2	1.8	1.5	1.1	0.7	0.5	0.0
80°	2.8	2.4	1.9	1.5	1.0	0.6	0.0
77.5°	2.8	2.8	2.4	1.8	1.2	0.8	0.0
75°	2.8	2.9	2.8	2.2	1.5	0.9	0.0
72.5°	2.9	3.0	3.0	2.5	1.7	1.1	0.0
70°	3.0	3.1	3.1	2.8	2.0	1.2	0.0
67.5°	3.3	3.3	3.3	3.0	2.2	1.4	0.0
65°	3.8	3.8	3.4	3.1	2.5	1.5	0.0
62.5°	4.4	4.7	3.6	3.3	2.7	1.7	0.0
60°	5.2	5.7	3.7	3.4	3.0	1.8	0.0
57.5°	9.7	6.8	4.8	3.6	3.2	2.0	0.0
55°	15.5	8.0	6.0	3.8	3.3	2.1	0.0
52.5°	22.2	10.3	7.3	3.9	3.5	2.3	0.0
50°	30.0	17.6	8.5	4.1	3.7	2.4	0.0
47.5°	40.4	25.5	9.9	4.5	3.8	2.5	0.0
45°	60.9	33.9	11.3	5.5	4.0	2.7	0.0
42.5°	81.9	42.9	12.8	6.6	4.2	2.8	0.0
40°	103.4	52.4	17.2	8.0	4.4	2.9	0.0
37.5°	125.3	62.4	24.6	9.7	4.6	3.0	0.0
35°	147.5	77.5	32.2	11.6	4.7	3.2	0.0
32.5°	171.7	95.0	39.8	13.7	4.9	3.3	0.0
30°	199.2	112.4	47.5	15.9	5.1	3.4	0.0
27.5°	226.3	129.6	57.0	18.3	5.3	3.5	0.0
25°	252.6	146.5	66.8	20.8	5.5	3.6	0.0
22.5°	278.3	163.8	76.5	23.5	5.7	3.7	0.0
20°	303.0	182.3	86.1	26.2	5.9	3.8	0.0
17.5°	327.5	200.2	95.6	29.0	6.0	3.9	0.0
15°	351.1	217.4	104.8	31.7	6.2	4.0	0.0
12.5°	373.1	233.9	113.7	34.5	6.4	4.0	0.0
10°	393.5	249.4	122.2	37.2	6.5	4.1	0.0
7.5°	412.2	263.9	130.3	39.9	6.7	4.2	0.0
5°	429.3	277.3	137.8	42.4	6.8	4.2	0.0
2.5°	444.6	289.4	144.6	44.7	7.0	4.3	0.0
0°	458.1	300.2	150.8	46.9	7.1	4.3	0.0
-2.5°	464.8	307.0	156.5	50.0	8.2	4.5	0.0
-5°	469.7	312.4	161.4	52.8	9.3	4.8	0.0
-7.5°	472.8	316.3	165.4	55.3	10.4	5.0	0.0
-10°	474.3	318.8	168.4	57.5	11.4	5.2	0.0
-12.5°	474.0	319.8	170.4	59.3	12.4	5.4	0.0
-15°	472.1	319.3	171.4	60.8	13.3	5.6	0.0
-17.5°	468.7	317.4	171.3	61.8	14.2	5.7	0.0
-20°	463.3	314.0	170.0	62.5	14.9	5.9	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	455.6	309.2	167.6	62.7	15.7	6.0	0.0
-25°	446.0	301.8	164.1	62.4	16.3	6.1	0.0
-27.5°	434.7	292.5	159.3	61.6	16.8	6.1	0.0
-30°	421.5	282.0	153.3	60.4	17.2	6.2	0.0
-32.5°	406.7	270.2	146.3	58.6	17.6	6.2	0.0
-35°	390.6	257.2	138.6	56.3	17.8	6.2	0.0
-37.5°	373.3	244.1	130.0	53.5	17.9	6.1	0.0
-40°	354.7	232.2	120.7	50.1	18.0	6.1	0.0
-42.5°	334.8	219.5	113.7	46.5	17.9	6.0	0.0
-45°	313.6	206.0	108.9	42.9	17.6	5.9	0.0
-47.5°	291.3	191.7	103.2	38.7	17.3	5.7	0.0
-50°	272.5	176.7	96.7	37.3	16.9	5.5	0.0
-52.5°	253.8	160.9	89.3	36.6	16.3	5.3	0.0
-55°	234.4	149.0	81.1	35.4	15.7	5.1	0.0
-57.5°	214.2	136.9	72.2	33.9	14.9	4.9	0.0
-60°	193.8	123.6	62.8	32.0	14.1	4.6	0.0
-62.5°	175.1	109.4	58.3	29.7	13.2	4.3	0.0
-65°	155.0	94.1	53.2	27.1	12.3	4.0	0.0
-67.5°	133.7	81.3	47.6	24.2	11.3	3.6	0.0
-70°	111.2	71.2	41.4	21.0	10.2	3.3	0.0
-72.5°	94.1	60.3	34.7	18.5	9.1	2.9	0.0
-75°	76.9	48.7	27.6	16.0	7.9	2.5	0.0
-77.5°	58.9	36.5	22.8	13.5	6.6	2.1	0.0
-80°	40.2	27.8	18.4	10.9	5.4	1.7	0.0
-82.5°	29.5	21.0	13.9	8.3	4.0	1.3	0.0
-85°	19.8	14.1	9.3	5.5	2.7	0.9	0.0
-87.5°	9.9	7.1	4.7	2.8	1.4	0.4	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)