

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: P645507 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA5B-740-U-LAM-VSR-XX

Issue Date: 2/28/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P645507 (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-SA5B-740-U-LAM-VSR-XX  
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, LAMBERTIAN WITH VISOR  
Light Source: (80) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

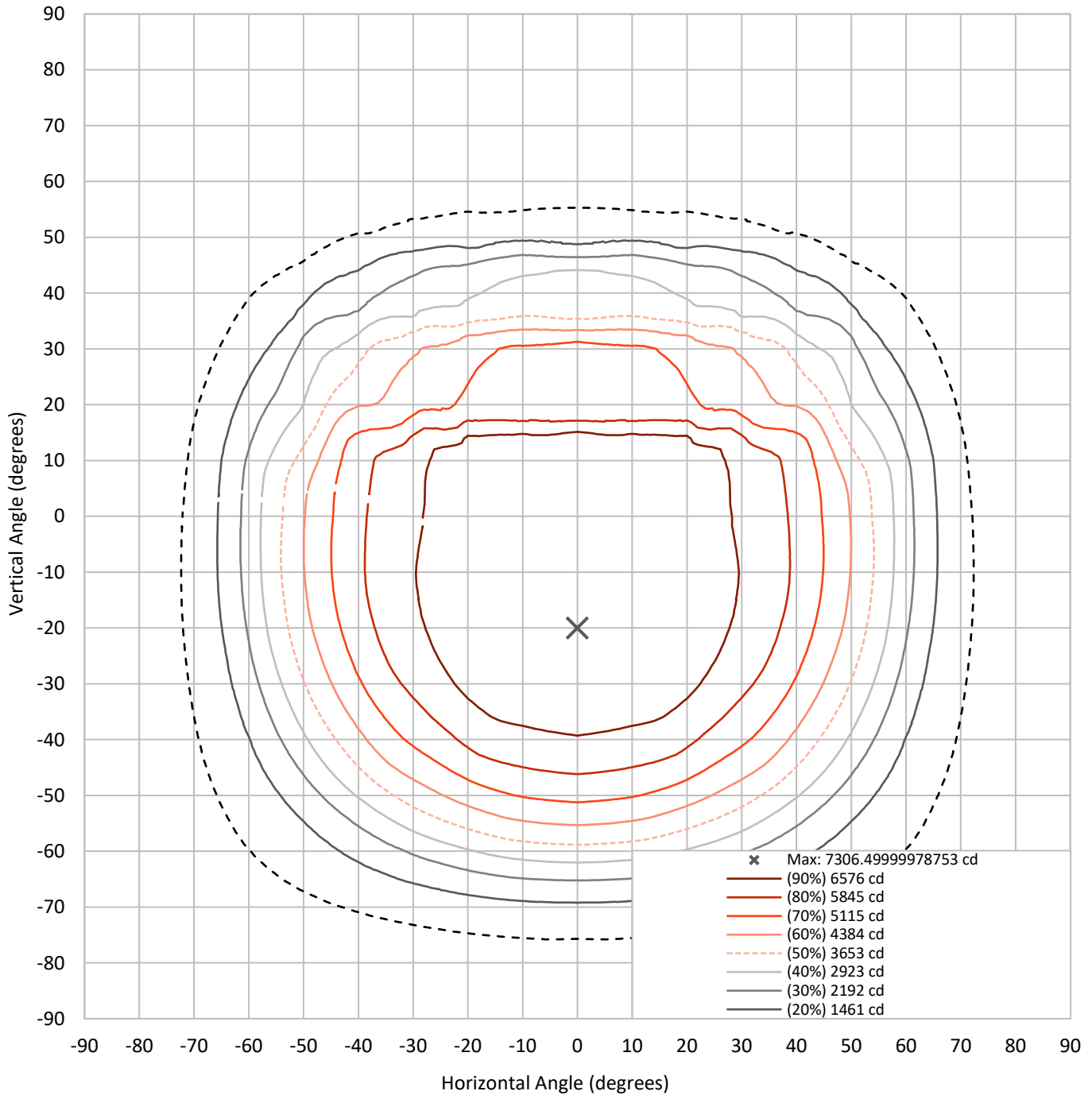
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	17132.4 lumens	Max Intensity:	7306.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -20°V
Efficacy:	108.0 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	105.6°H x 93.7°V	Field Angle (10%):	144°H x 131.2°V
Beam Lumens:	13393.1 lumens	Field Lumens:	16792.2 lumens
Beam Efficiency:	78.2%	Field Efficiency:	98.0%
Input Watts (W):	158.7		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		



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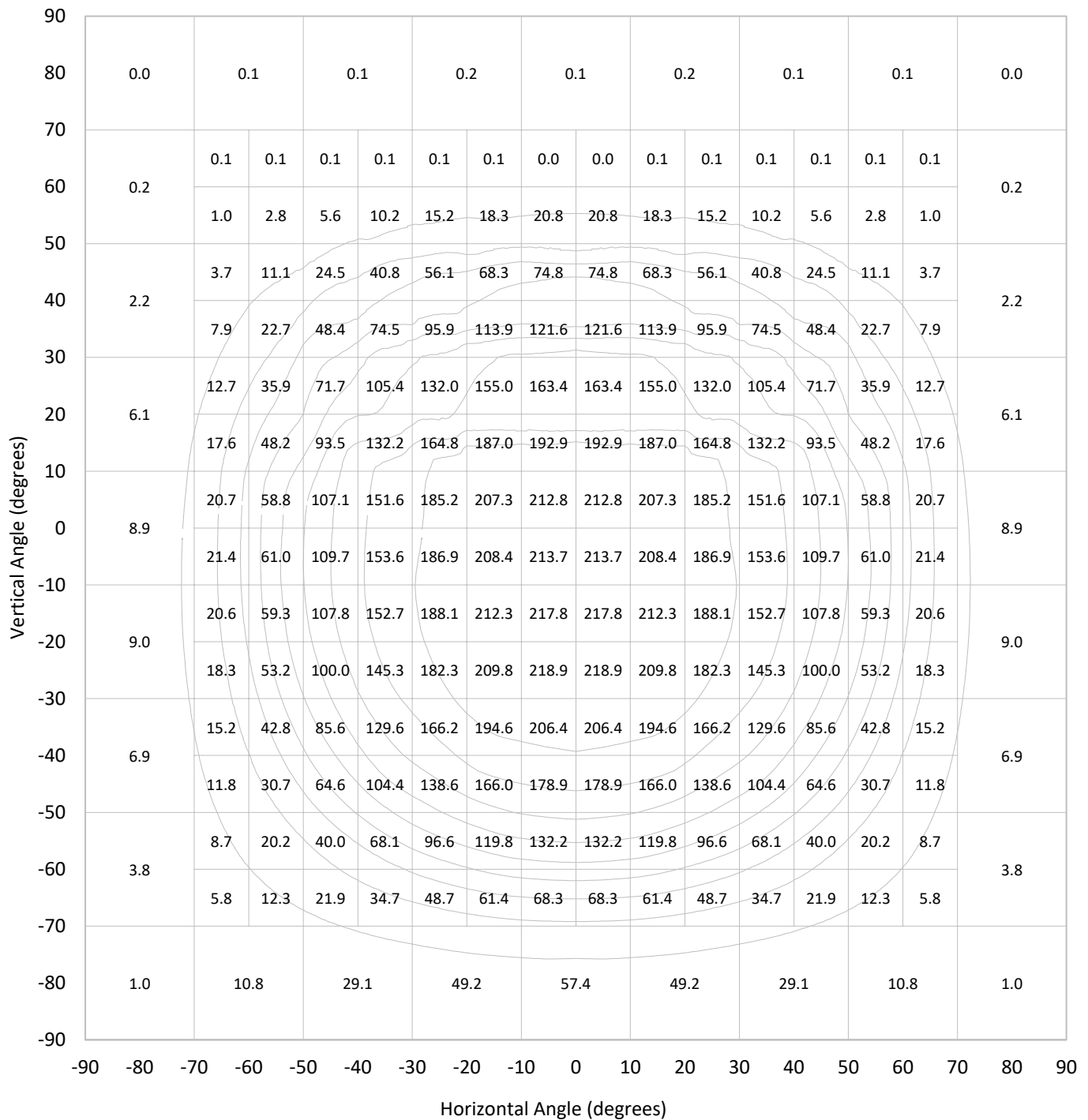
### Iso-Candela Plot





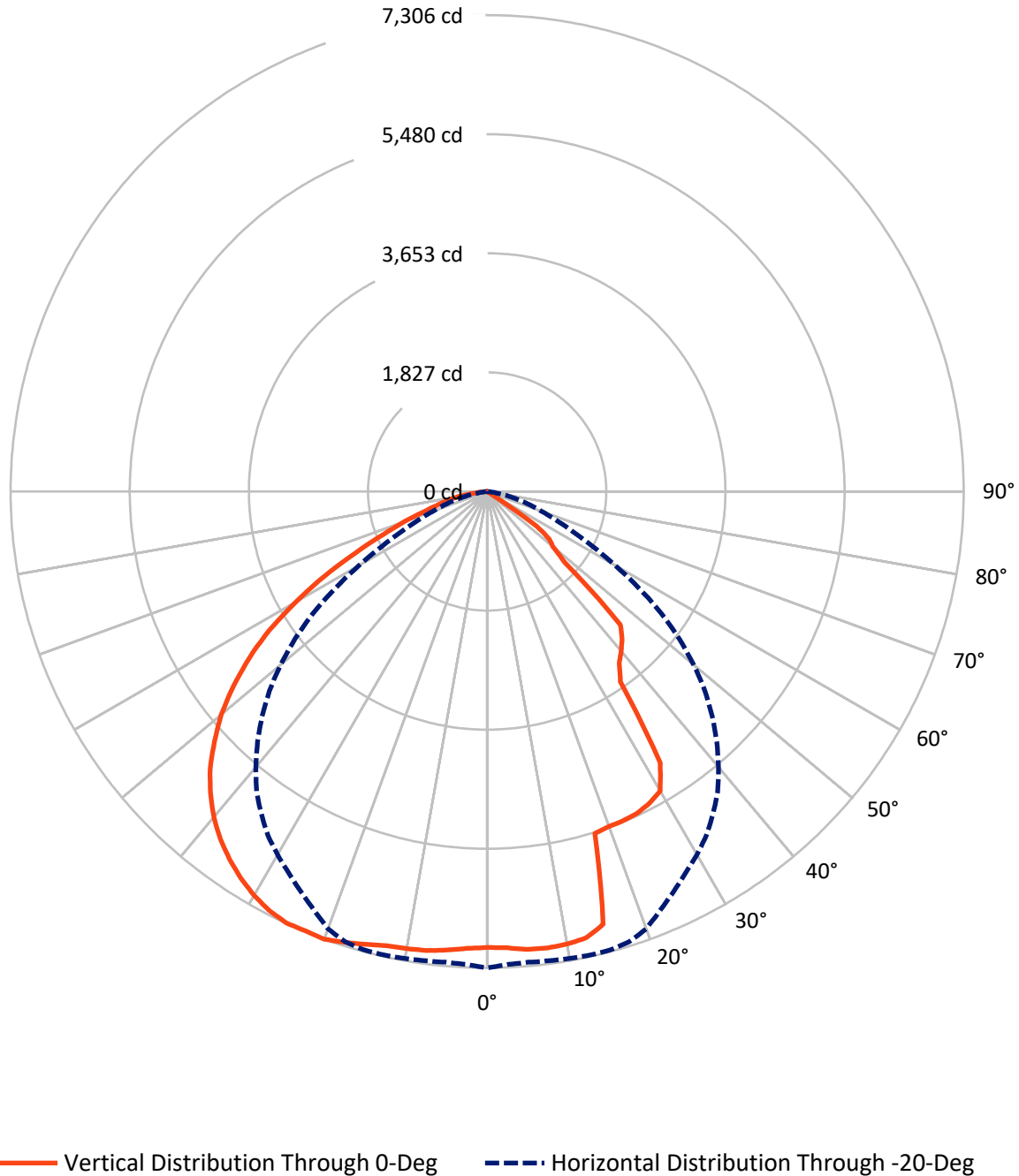
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### Lumen Table



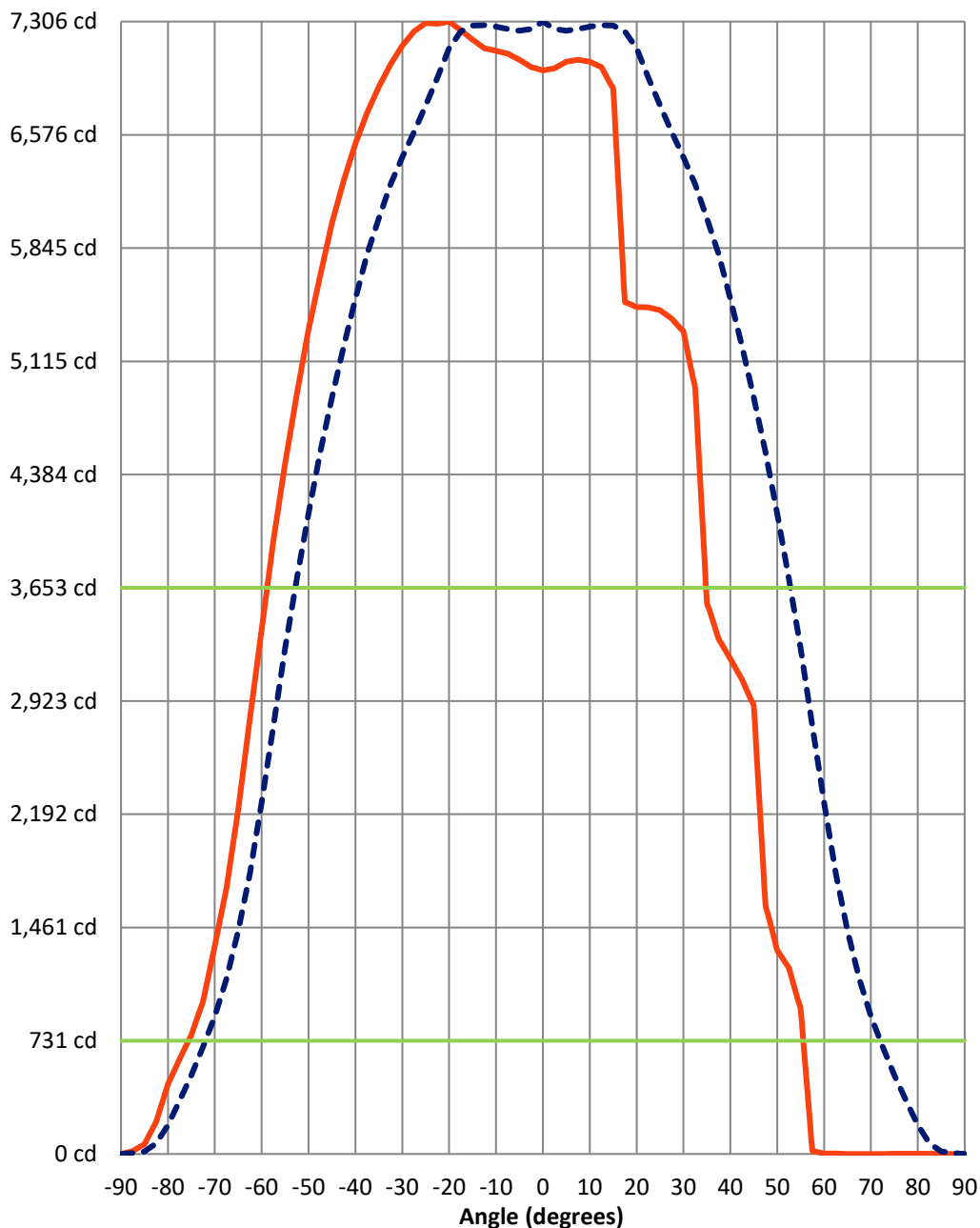
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 105.6°  
 V Angle: 93.7°  
 Lumens: 13393.1  
 Efficiency: 78.2%

**Field:**  
 H Angle: 144°  
 V Angle: 131.2°  
 Lumens: 16792.2  
 Efficiency: 98.0%

**Spill:**  
 Lumens: 340.3  
 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	0.3	0.4	0.5	0.7	0.8	0.8	0.8	0.8	0.7
85°	0.0	0.3	0.5	0.8	1.1	1.3	1.6	1.6	1.6	1.5	1.4
82.5°	0.0	0.5	0.8	1.2	1.6	2.0	2.4	2.5	2.4	2.0	1.6
80°	0.0	0.7	1.1	1.6	2.1	2.7	3.1	2.8	2.4	2.0	1.7
77.5°	0.0	0.8	1.4	2.0	2.7	3.1	3.1	2.8	2.4	2.0	1.7
75°	0.0	1.0	1.6	2.4	3.1	3.2	3.1	2.8	2.4	2.1	1.7
72.5°	0.0	1.2	1.9	2.8	3.3	3.3	3.2	2.8	2.5	2.1	1.8
70°	0.0	1.3	2.2	3.1	3.4	3.5	3.3	2.9	2.5	2.2	2.5
67.5°	0.0	1.5	2.5	3.3	3.6	3.6	3.7	2.9	2.6	3.5	3.5
65°	0.0	1.7	2.7	3.4	3.7	4.1	4.2	3.0	4.1	4.9	6.1
62.5°	0.0	1.8	3.0	3.6	3.9	5.1	4.9	4.2	5.8	8.6	13.6
60°	0.0	2.0	3.3	3.8	4.1	6.3	5.8	5.9	7.5	21.7	23.6
57.5°	0.0	2.2	3.5	3.9	5.3	7.5	10.7	8.3	21.2	36.8	42.7
55°	0.0	2.3	3.7	4.1	6.6	8.9	17.0	13.5	39.4	56.8	69.2
52.5°	0.0	2.5	3.8	4.3	8.0	11.4	24.4	34.2	59.1	89.1	100.4
50°	0.0	2.6	4.0	4.5	9.4	19.4	32.9	57.8	84.5	125.1	156.8
47.5°	0.0	2.8	4.2	4.9	10.9	28.0	44.3	82.5	121.7	164.7	214.5
45°	0.0	2.9	4.4	6.1	12.5	37.2	66.8	108.3	163.4	214.7	270.5
42.5°	0.0	3.1	4.6	7.3	14.1	47.1	89.8	141.1	205.8	263.4	335.0
40°	0.0	3.2	4.8	8.8	18.9	57.5	113.4	178.4	249.5	311.1	404.1
37.5°	0.0	3.3	5.0	10.7	27.1	68.4	137.4	215.7	295.3	368.4	476.3
35°	0.0	3.5	5.2	12.7	35.3	85.0	161.8	253.1	341.8	438.9	561.6
32.5°	0.0	3.6	5.4	15.0	43.7	104.2	188.2	290.3	388.9	509.7	665.3
30°	0.0	3.7	5.6	17.5	52.1	123.3	218.5	327.9	436.4	580.7	764.8
27.5°	0.0	3.8	5.8	20.1	62.5	142.1	248.1	367.0	488.7	651.6	859.8
25°	0.0	4.0	6.0	22.9	73.2	160.7	277.0	405.7	547.6	729.0	950.5
22.5°	0.0	4.1	6.2	25.8	83.8	179.6	305.1	443.8	605.3	806.4	1042.3
20°	0.0	4.2	6.4	28.8	94.4	199.9	332.2	481.0	661.6	879.5	1131.8
17.5°	0.0	4.3	6.6	31.8	104.7	219.5	359.1	517.3	716.1	948.0	1218.6
15°	0.0	4.3	6.8	34.9	114.9	238.4	384.9	550.9	768.4	1011.9	1301.9
12.5°	0.0	4.4	7.0	37.9	124.6	256.4	409.0	580.9	810.1	1071.1	1381.2
10°	0.0	4.5	7.2	40.9	134.0	273.4	431.4	608.6	841.3	1106.6	1445.8
7.5°	0.0	4.6	7.3	43.8	142.8	289.3	452.0	633.8	867.8	1134.1	1483.5
5°	0.0	4.6	7.5	46.5	151.0	304.0	470.7	656.5	889.9	1156.3	1514.1
2.5°	0.0	4.7	7.7	49.1	158.6	317.3	487.5	676.6	907.8	1173.4	1537.6
0°	0.0	4.7	7.8	51.5	165.3	329.1	502.3	694.2	921.9	1185.5	1553.7
-2.5°	0.0	5.0	9.0	54.9	171.6	336.6	509.7	704.4	926.9	1200.8	1564.2
-5°	0.0	5.2	10.2	57.9	177.0	342.5	515.0	711.9	928.7	1210.7	1567.5
-7.5°	0.0	5.5	11.4	60.7	181.3	346.8	518.5	716.6	927.4	1214.8	1564.0
-10°	0.0	5.7	12.5	63.1	184.6	349.5	520.0	718.3	923.4	1212.4	1554.1
-12.5°	0.0	5.9	13.6	65.1	186.9	350.6	519.7	717.1	917.0	1202.6	1537.0
-15°	0.0	6.1	14.6	66.7	187.9	350.1	517.7	712.9	909.8	1183.5	1512.3
-17.5°	0.0	6.3	15.5	67.9	187.8	348.0	513.9	704.3	900.9	1159.7	1480.0
-20°	0.0	6.4	16.4	68.5	186.4	344.4	508.0	692.0	888.4	1131.3	1440.3

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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	6.6	17.2	68.7	183.8	339.1	499.5	677.3	872.0	1098.6	1393.2
-25°	0.0	6.7	17.9	68.4	179.9	331.0	489.1	660.2	851.7	1061.7	1338.5
-27.5°	0.0	6.7	18.5	67.6	174.7	320.8	476.6	640.8	827.5	1026.0	1290.2
-30°	0.0	6.8	18.9	66.2	168.1	309.2	462.3	619.1	801.1	995.8	1238.5
-32.5°	0.0	6.8	19.3	64.3	160.5	296.3	446.0	599.0	773.1	961.0	1183.3
-35°	0.0	6.8	19.6	61.7	152.0	282.0	428.3	577.9	742.8	921.4	1124.7
-37.5°	0.0	6.7	19.7	58.7	142.6	267.7	409.4	554.6	710.4	877.2	1066.7
-40°	0.0	6.7	19.7	55.0	132.4	254.7	388.9	529.1	675.9	835.5	1009.6
-42.5°	0.0	6.6	19.6	51.1	124.7	240.7	367.1	501.4	642.5	791.4	948.0
-45°	0.0	6.4	19.4	47.1	119.4	225.9	343.9	472.8	608.4	744.4	884.3
-47.5°	0.0	6.3	19.0	42.5	113.2	210.3	319.4	444.1	571.8	695.1	829.1
-50°	0.0	6.1	18.6	41.0	106.0	193.8	298.9	414.1	531.4	649.8	771.3
-52.5°	0.0	5.9	18.0	40.2	98.0	176.5	278.3	382.7	492.8	603.2	712.0
-55°	0.0	5.6	17.3	38.9	89.0	163.4	257.0	350.9	454.0	555.3	659.4
-57.5°	0.0	5.4	16.4	37.2	79.2	150.1	234.9	325.7	413.8	509.4	605.6
-60°	0.0	5.1	15.5	35.1	68.9	135.6	212.5	297.8	373.7	463.1	551.9
-62.5°	0.0	4.7	14.6	32.6	64.0	120.0	192.0	267.5	336.5	415.4	499.3
-65°	0.0	4.4	13.5	29.8	58.4	103.2	170.0	236.0	297.2	367.6	445.4
-67.5°	0.0	4.0	12.4	26.6	52.2	89.3	146.7	204.7	255.8	317.7	387.3
-70°	0.0	3.6	11.2	23.1	45.4	78.1	122.0	172.7	218.7	265.5	325.4
-72.5°	0.0	3.2	10.0	20.3	38.1	66.1	103.2	140.0	180.9	222.3	264.3
-75°	0.0	2.8	8.7	17.7	30.3	53.4	84.4	112.8	142.4	178.5	215.1
-77.5°	0.0	2.3	7.3	14.9	25.0	40.0	64.6	87.2	110.7	136.1	165.1
-80°	0.0	1.9	5.9	12.0	20.2	30.5	44.1	61.1	79.3	99.0	120.1
-82.5°	0.0	1.4	4.5	9.1	15.3	23.1	32.4	39.2	47.4	61.3	76.3
-85°	0.0	1.0	3.0	6.1	10.3	15.5	21.7	26.2	30.9	35.8	40.8
-87.5°	0.0	0.5	1.5	3.1	5.1	7.8	10.9	13.1	15.5	17.9	20.4
-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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**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°	0.7	0.8	0.9	0.9	1.0	1.0	1.1	1.1	1.2	1.2	1.3
85°	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
82.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
80°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
77.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
75°	1.6	1.6	1.7	1.7	1.6	1.6	1.6	1.6	1.6	1.6	1.6
72.5°	1.8	2.0	2.0	1.8	1.6	1.6	1.6	1.6	1.6	1.6	1.6
70°	2.5	2.5	2.2	1.8	1.6	1.7	1.8	1.8	1.6	1.6	1.6
67.5°	3.0	2.6	2.3	2.2	2.2	2.4	2.3	1.9	1.6	1.6	1.6
65°	3.1	2.7	3.9	4.4	3.2	2.8	2.4	2.0	2.2	2.2	2.3
62.5°	4.6	5.8	7.4	13.2	9.8	2.9	5.1	6.1	4.4	3.7	3.9
60°	15.2	10.3	30.7	44.0	27.5	10.0	12.2	40.7	35.3	6.5	22.0
57.5°	32.0	43.9	81.0	82.4	57.0	39.3	114.4	132.1	100.0	58.4	89.3
55°	70.5	108.4	134.2	124.2	135.7	205.5	244.2	219.4	184.7	284.1	363.0
52.5°	137.8	176.4	185.1	212.6	304.3	349.6	335.0	358.3	464.7	577.1	601.4
50°	203.4	235.0	259.6	375.4	447.1	451.6	485.0	590.3	732.2	801.0	784.3
47.5°	266.8	299.5	414.2	525.4	557.7	601.8	685.1	888.5	1038.7	1041.7	1024.7
45°	333.9	421.3	567.7	640.2	692.5	777.9	979.1	1259.6	1274.2	1314.9	1565.6
42.5°	405.6	558.7	686.5	761.9	846.4	1005.8	1274.3	1458.3	1521.6	1700.0	1901.6
40°	521.8	691.5	803.1	899.5	1008.2	1240.7	1534.8	1707.3	1758.7	1913.1	2064.7
37.5°	639.7	802.4	927.4	1043.8	1194.4	1508.2	1848.5	1990.7	2016.8	2045.0	2380.8
35°	753.2	916.1	1065.8	1218.1	1402.7	1854.6	2152.0	2285.7	2281.6	2472.2	2823.9
32.5°	859.3	1032.4	1209.1	1412.7	1717.3	2180.3	2477.9	2557.9	2679.3	2956.8	3436.7
30°	965.3	1162.1	1364.9	1607.5	1993.5	2394.8	2734.4	2863.2	3071.3	3387.9	3737.2
27.5°	1074.5	1295.1	1540.3	1824.6	2211.4	2580.3	2870.4	3178.1	3380.3	3664.0	3912.5
25°	1183.2	1435.8	1713.5	2014.4	2367.2	2711.0	3011.0	3366.4	3583.5	3812.2	4044.1
22.5°	1297.2	1578.5	1892.1	2164.8	2498.5	2822.1	3179.3	3564.8	3847.0	3992.4	4148.0
20°	1416.4	1732.9	2067.4	2369.5	2628.2	2925.3	3348.2	3816.6	4180.9	4344.5	4365.8
17.5°	1533.9	1882.5	2242.2	2569.2	2848.2	3112.6	3525.6	4118.3	4571.4	4723.4	4791.0
15°	1648.5	2026.4	2416.0	2763.5	3069.8	3393.2	3834.2	4436.9	4954.9	5123.1	5229.5
12.5°	1759.0	2163.7	2587.0	2951.4	3291.6	3654.4	4114.4	4666.1	5138.9	5464.4	5659.6
10°	1864.4	2293.2	2753.0	3131.8	3510.9	3896.5	4346.2	4836.9	5221.8	5535.7	5812.8
7.5°	1917.5	2377.9	2895.6	3303.5	3724.6	4120.4	4536.1	4957.3	5281.4	5589.4	5857.3
5°	1953.7	2412.7	2940.1	3363.3	3838.2	4269.7	4673.3	5036.4	5320.3	5625.6	5887.4
2.5°	1979.5	2435.2	2970.2	3396.1	3880.8	4315.7	4712.9	5062.8	5352.5	5651.5	5919.6
0°	1995.1	2445.9	2985.6	3416.2	3907.5	4345.9	4735.8	5072.8	5373.8	5664.0	5952.6
-2.5°	2003.9	2478.6	2995.8	3467.9	3933.3	4371.9	4768.0	5096.9	5411.5	5687.6	5976.9
-5°	2002.8	2498.2	2993.2	3502.7	3945.7	4382.1	4784.0	5107.8	5431.9	5705.3	5986.8
-7.5°	1991.9	2502.7	2979.6	3513.6	3946.2	4378.7	4777.0	5113.0	5431.6	5721.4	5987.7
-10°	1972.5	2485.0	2967.2	3485.4	3931.1	4360.9	4755.4	5101.5	5418.9	5718.2	5982.5
-12.5°	1949.7	2448.5	2941.2	3444.8	3900.3	4327.7	4722.7	5072.3	5395.2	5693.7	5970.6
-15°	1915.3	2400.0	2898.5	3393.3	3853.5	4279.5	4680.2	5024.6	5358.6	5650.9	5935.2
-17.5°	1869.2	2339.9	2838.3	3332.1	3790.4	4216.5	4625.7	4961.7	5294.0	5596.1	5870.5
-20°	1811.1	2268.6	2760.2	3262.5	3710.3	4131.9	4528.4	4880.2	5210.4	5517.7	5806.0

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CATALOG NUMBER: GFLD-SA5B-740-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°	1740.9	2186.7	2666.2	3168.7	3610.5	4027.3	4418.9	4776.5	5118.6	5415.8	5723.0
-25°	1670.5	2100.2	2562.2	3038.8	3494.4	3909.4	4302.3	4650.6	5000.3	5309.4	5601.2
-27.5°	1603.1	1999.8	2441.5	2895.8	3362.8	3776.0	4165.2	4513.8	4853.3	5191.3	5472.2
-30°	1527.5	1883.6	2309.2	2743.2	3198.4	3619.0	4011.2	4372.9	4696.0	5029.7	5331.4
-32.5°	1444.0	1760.4	2169.5	2586.9	3016.3	3446.1	3834.7	4194.0	4530.0	4845.7	5162.3
-35°	1362.5	1660.9	2021.4	2419.2	2823.3	3244.9	3633.8	3989.6	4338.3	4651.0	4953.6
-37.5°	1289.0	1553.2	1864.0	2244.0	2630.2	3029.0	3424.4	3768.9	4100.8	4444.6	4739.7
-40°	1209.6	1437.5	1727.8	2063.6	2427.5	2806.8	3185.5	3541.8	3853.8	4193.6	4518.1
-42.5°	1126.4	1343.3	1593.3	1872.6	2216.2	2573.8	2939.3	3287.9	3611.9	3932.4	4254.0
-45°	1053.6	1243.5	1456.5	1711.7	1991.4	2327.7	2673.8	3021.3	3332.2	3637.7	3955.3
-47.5°	976.1	1143.3	1340.2	1544.0	1787.1	2068.4	2393.8	2714.3	3032.6	3323.2	3604.2
-50°	899.0	1053.0	1214.8	1398.3	1599.0	1826.9	2097.2	2395.2	2685.9	2984.3	3262.6
-52.5°	832.5	958.1	1104.3	1257.4	1429.2	1617.8	1834.4	2079.1	2343.5	2596.7	2874.4
-55°	763.4	876.7	994.7	1129.5	1272.5	1431.7	1609.2	1814.9	2016.6	2250.8	2477.5
-57.5°	700.5	796.0	896.7	1008.0	1132.1	1259.5	1414.7	1574.7	1757.8	1939.8	2119.3
-60°	641.2	719.2	804.6	898.9	998.6	1112.0	1227.8	1365.2	1512.7	1658.0	1810.3
-62.5°	581.3	647.0	716.6	794.9	881.9	967.6	1066.5	1172.3	1280.8	1404.0	1524.1
-65°	519.8	572.9	631.9	696.9	766.3	839.3	915.2	993.6	1085.9	1176.1	1263.5
-67.5°	454.5	499.9	547.7	598.8	657.1	714.4	771.5	837.7	905.7	972.5	1041.7
-70°	382.1	424.9	464.8	506.2	549.5	594.4	643.3	691.8	739.7	789.8	845.3
-72.5°	308.5	347.9	382.9	413.6	449.1	486.4	522.1	556.2	592.4	630.3	667.9
-75°	246.1	272.1	303.3	331.9	360.2	386.4	410.0	438.9	469.1	496.7	519.4
-77.5°	192.0	215.7	237.1	256.2	278.7	305.0	328.0	347.7	366.9	387.8	409.9
-80°	139.7	159.3	178.8	196.5	209.5	224.4	242.0	262.1	279.5	293.7	306.6
-82.5°	90.2	104.4	118.9	133.6	139.6	143.7	147.6	154.6	165.4	176.0	186.2
-85°	45.0	49.1	57.9	67.0	70.1	72.3	73.8	74.7	78.3	81.7	84.6
-87.5°	22.5	24.6	26.6	28.6	27.6	26.1	24.3	22.1	21.6	20.9	20.1
-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°	1.3	1.3	1.4	1.4	1.5	1.1	0.8	0.4	0.0	0.0	0.0
85°	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.5	1.2	0.8
82.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
80°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
77.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
75°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
72.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
70°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
67.5°	1.7	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.4	1.0
65°	2.2	2.2	2.3	2.2	1.9	1.9	2.0	1.9	1.7	1.4	1.0
62.5°	3.9	4.4	3.5	3.5	3.4	3.3	3.1	3.0	2.8	2.6	2.7
60°	24.5	14.5	8.5	9.9	8.9	5.9	7.5	8.8	8.9	8.1	7.2
57.5°	135.6	101.2	74.9	179.0	179.5	85.7	103.2	162.3	133.6	43.9	40.8
55°	377.2	451.1	593.8	564.0	573.1	659.2	719.8	637.2	624.7	665.7	769.0
52.5°	677.6	748.1	796.1	841.0	895.6	954.3	1014.8	1053.3	1089.3	1127.6	1150.4
50°	865.4	964.7	1032.9	1007.8	1149.1	1207.0	1148.3	1200.8	1264.8	1282.3	1290.6
47.5°	1277.7	1423.4	1452.4	1546.2	1630.5	1628.8	1557.2	1561.3	1751.9	1920.0	2002.6
45°	1836.3	1841.3	1932.9	2098.6	2217.1	2179.8	2279.8	2507.1	2582.8	2655.9	2715.9
42.5°	2054.0	2144.1	2290.3	2436.8	2525.1	2601.7	2675.8	2759.3	2857.6	2937.2	3000.9
40°	2264.6	2337.3	2487.0	2605.0	2678.1	2749.7	2835.9	2928.5	3018.4	3088.4	3136.2
37.5°	2588.9	2645.3	2681.7	2791.3	2929.6	2865.8	3029.4	3146.8	3200.4	3271.5	3277.9
35°	3079.6	3042.1	2993.5	3429.7	3455.8	3308.5	3461.5	3643.5	3547.6	3747.3	3854.6
32.5°	3514.6	3508.9	3889.6	4118.9	3986.9	4094.6	4447.5	4431.8	4666.9	4776.0	4745.0
30°	3924.3	4064.2	4284.3	4455.0	4477.9	4647.7	4804.4	4941.6	5083.6	5210.8	5219.6
27.5°	4132.4	4314.8	4464.3	4563.1	4673.4	4816.2	4958.4	5113.0	5233.7	5313.5	5333.0
25°	4258.2	4444.6	4557.7	4664.1	4785.9	4909.1	5068.3	5236.6	5333.6	5382.9	5398.6
22.5°	4369.2	4536.7	4658.3	4744.6	4875.6	5008.2	5156.6	5299.1	5404.5	5426.0	5433.9
20°	4476.0	4636.9	4840.0	4967.1	4960.7	5110.2	5253.2	5366.5	5454.3	5453.9	5456.0
17.5°	4784.9	4842.3	5211.0	5490.9	5352.3	5279.3	5672.6	5680.0	5703.4	5656.9	5556.3
15°	5242.3	5346.9	5799.8	6103.3	6007.7	6002.8	6570.9	6430.0	6551.2	6519.5	6655.9
12.5°	5726.8	5850.6	6189.1	6487.1	6629.1	6664.0	6853.8	7031.6	7068.1	7053.7	7026.9
10°	6056.9	6233.3	6369.3	6550.1	6693.3	6839.4	6949.3	7077.0	7118.8	7094.6	7060.4
7.5°	6099.9	6274.3	6433.9	6592.5	6728.9	6846.6	6960.7	7064.6	7107.2	7093.1	7069.6
5°	6127.2	6285.2	6439.9	6600.9	6731.3	6840.3	6954.0	7059.3	7084.4	7067.5	7044.6
2.5°	6144.1	6290.3	6439.4	6599.8	6718.2	6822.0	6937.0	7049.4	7049.2	7041.8	7028.4
0°	6152.2	6298.9	6472.0	6617.1	6749.7	6847.9	6961.8	7071.0	7063.2	7042.9	7019.5
-2.5°	6169.8	6318.3	6495.0	6615.3	6764.8	6854.8	6972.4	7067.0	7063.4	7053.4	7041.8
-5°	6185.4	6352.4	6517.8	6644.2	6794.1	6911.8	7028.7	7102.7	7106.6	7092.8	7073.2
-7.5°	6194.9	6380.1	6537.8	6664.8	6810.1	6947.0	7065.7	7143.3	7145.0	7126.5	7103.2
-10°	6191.7	6387.3	6549.6	6680.8	6829.7	6964.8	7088.9	7187.3	7184.1	7166.5	7146.6
-12.5°	6180.0	6375.4	6542.1	6673.7	6842.7	6981.8	7121.4	7219.2	7224.4	7211.3	7189.7
-15°	6154.3	6356.0	6518.1	6661.9	6827.5	6990.2	7133.6	7241.5	7260.8	7250.0	7233.0
-17.5°	6103.5	6316.3	6488.3	6643.2	6802.1	6975.5	7138.6	7256.7	7283.0	7278.7	7264.6
-20°	6036.8	6256.4	6431.0	6593.3	6766.3	6944.9	7134.6	7242.5	7280.7	7283.2	7273.6



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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°	5961.9	6176.9	6362.1	6521.6	6709.2	6890.0	7061.8	7188.2	7252.4	7264.3	7265.1
-25°	5872.0	6093.0	6277.0	6446.9	6621.4	6808.1	6981.7	7122.8	7187.9	7219.0	7228.6
-27.5°	5745.1	5973.4	6154.5	6334.1	6511.6	6704.5	6887.0	7040.4	7093.3	7136.1	7153.2
-30°	5596.4	5822.2	6006.8	6171.0	6374.1	6570.7	6759.1	6892.9	6972.7	7021.6	7048.4
-32.5°	5425.4	5653.3	5847.1	6018.6	6211.6	6408.2	6585.5	6726.6	6836.6	6893.1	6921.6
-35°	5240.0	5472.7	5675.5	5856.2	6037.9	6225.3	6408.9	6556.6	6682.0	6730.4	6766.2
-37.5°	5016.3	5273.1	5481.1	5667.3	5840.0	6016.2	6207.4	6376.2	6498.0	6545.0	6582.7
-40°	4787.0	5035.1	5244.9	5443.6	5614.3	5806.6	5990.9	6167.8	6273.4	6328.3	6371.0
-42.5°	4544.9	4769.0	4968.6	5161.6	5351.7	5549.7	5733.7	5917.6	6009.0	6075.1	6127.5
-45°	4265.5	4474.0	4667.9	4848.5	5044.4	5239.1	5423.3	5585.8	5694.6	5780.6	5847.5
-47.5°	3892.9	4146.9	4341.6	4513.4	4707.6	4895.5	5073.9	5226.7	5346.0	5446.7	5524.4
-50°	3514.4	3758.3	3977.8	4170.8	4351.0	4524.7	4694.6	4844.1	4970.3	5079.4	5158.2
-52.5°	3141.8	3370.2	3588.1	3787.3	3960.6	4124.5	4279.9	4430.3	4563.4	4680.0	4756.2
-55°	2720.7	2957.4	3172.9	3358.6	3531.7	3693.8	3847.3	3989.9	4120.9	4239.7	4312.7
-57.5°	2325.7	2533.3	2733.8	2905.3	3068.7	3223.1	3368.6	3505.1	3631.2	3742.9	3813.3
-60°	1962.5	2113.9	2286.5	2444.8	2589.7	2721.1	2856.8	2984.1	3099.9	3198.2	3263.8
-62.5°	1641.6	1767.1	1891.6	2012.1	2129.5	2247.6	2361.2	2466.8	2563.6	2644.1	2701.6
-65°	1355.6	1456.4	1546.5	1631.9	1713.3	1806.4	1892.8	1974.1	2049.3	2111.0	2154.8
-67.5°	1116.2	1187.1	1249.4	1308.0	1372.2	1437.9	1499.6	1553.3	1599.2	1635.8	1664.7
-70°	900.1	952.3	999.3	1046.0	1092.9	1135.6	1176.4	1215.9	1253.5	1284.1	1307.0
-72.5°	705.0	740.6	772.6	808.5	842.3	874.7	903.0	925.8	943.4	960.7	975.7
-75°	537.5	564.2	600.3	630.7	656.0	678.2	698.6	716.8	732.8	747.0	759.4
-77.5°	432.3	455.0	477.9	500.2	521.7	537.7	552.5	567.4	582.0	594.5	605.6
-80°	320.4	337.3	355.0	372.9	390.7	399.5	406.6	413.1	418.9	426.4	433.4
-82.5°	195.9	205.5	215.3	225.3	235.3	237.8	238.7	238.4	237.1	234.4	230.3
-85°	87.1	87.7	87.4	86.4	84.7	81.3	77.1	72.2	66.7	65.9	64.9
-87.5°	19.2	18.8	18.2	17.6	17.0	16.9	16.9	16.8	16.6	17.2	17.7
-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	0.4
85°	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.8	1.2	1.5	1.5
82.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
80°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
77.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
75°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
72.5°	1.6	1.6	0.8	0.0	0.8	1.6	1.6	1.6	1.6	1.6	1.6
70°	1.6	1.6	0.9	0.0	0.9	1.6	1.6	1.6	1.6	1.6	1.6
67.5°	0.6	0.1	0.0	0.0	0.0	0.1	0.6	1.0	1.4	1.6	1.6
65°	0.5	0.1	0.0	0.0	0.0	0.1	0.5	1.0	1.4	1.7	1.9
62.5°	2.8	3.0	3.1	3.1	3.1	3.0	2.8	2.7	2.6	2.8	3.0
60°	5.6	3.7	3.1	3.1	3.1	3.7	5.6	7.2	8.1	8.9	8.8
57.5°	34.5	25.7	21.9	20.3	21.9	25.7	34.5	40.8	43.9	133.6	162.3
55°	843.0	886.0	918.0	932.8	918.0	886.0	843.0	769.0	665.7	624.7	637.2
52.5°	1170.5	1189.2	1200.0	1199.6	1200.0	1189.2	1170.5	1150.4	1127.6	1089.3	1053.3
50°	1304.7	1313.7	1317.0	1315.0	1317.0	1313.7	1304.7	1290.6	1282.3	1264.8	1200.8
47.5°	1927.2	1760.3	1637.7	1608.3	1637.7	1760.3	1927.2	2002.6	1920.0	1751.9	1561.3
45°	2744.6	2807.9	2870.9	2890.5	2870.9	2807.9	2744.6	2715.9	2655.9	2582.8	2507.1
42.5°	3027.8	3048.4	3060.0	3060.5	3060.0	3048.4	3027.8	3000.9	2937.2	2857.6	2759.3
40°	3162.9	3182.3	3193.7	3194.7	3193.7	3182.3	3162.9	3136.2	3088.4	3018.4	2928.5
37.5°	3285.6	3302.2	3313.1	3324.1	3313.1	3302.2	3285.6	3277.9	3271.5	3200.4	3146.8
35°	3840.1	3714.5	3533.8	3561.2	3533.8	3714.5	3840.1	3854.6	3747.3	3547.6	3643.5
32.5°	4793.6	4846.4	4879.3	4935.5	4879.3	4846.4	4793.6	4745.0	4776.0	4666.9	4431.8
30°	5233.6	5251.0	5277.5	5305.2	5277.5	5251.0	5233.6	5219.6	5210.8	5083.6	4941.6
27.5°	5343.3	5361.4	5377.4	5389.4	5377.4	5361.4	5343.3	5333.0	5313.5	5233.7	5113.0
25°	5400.8	5412.0	5429.0	5444.0	5429.0	5412.0	5400.8	5398.6	5382.9	5333.6	5236.6
22.5°	5429.3	5430.5	5443.8	5462.7	5443.8	5430.5	5429.3	5433.9	5426.0	5404.5	5299.1
20°	5448.9	5438.2	5452.0	5464.3	5452.0	5438.2	5448.9	5456.0	5453.9	5454.3	5366.5
17.5°	5698.3	5555.9	5497.5	5498.6	5497.5	5555.9	5698.3	5556.3	5656.9	5703.4	5680.0
15°	6502.8	6556.1	6760.8	6871.3	6760.8	6556.1	6502.8	6655.9	6519.5	6551.2	6430.0
12.5°	7021.9	7002.9	6978.6	7011.7	6978.6	7002.9	7021.9	7026.9	7053.7	7068.1	7031.6
10°	7045.9	7043.8	7000.4	7047.6	7000.4	7043.8	7045.9	7060.4	7094.6	7118.8	7077.0
7.5°	7031.2	7032.5	7014.1	7060.1	7014.1	7032.5	7031.2	7069.6	7093.1	7107.2	7064.6
5°	7041.0	7009.2	7021.3	7047.6	7021.3	7009.2	7041.0	7044.6	7067.5	7084.4	7059.3
2.5°	7013.7	7010.4	6987.0	7005.5	6987.0	7010.4	7013.7	7028.4	7041.8	7049.2	7049.4
0°	6993.0	6975.8	6975.8	6991.4	6975.8	6975.8	6993.0	7019.5	7042.9	7063.2	7071.0
-2.5°	7029.9	7026.3	7024.0	7013.3	7024.0	7026.3	7029.9	7041.8	7053.4	7063.4	7067.0
-5°	7060.2	7050.9	7025.4	7060.1	7025.4	7050.9	7060.2	7073.2	7092.8	7106.6	7102.7
-7.5°	7092.8	7069.2	7044.9	7099.1	7044.9	7069.2	7092.8	7103.2	7126.5	7145.0	7143.3
-10°	7122.6	7088.4	7064.8	7117.8	7064.8	7088.4	7122.6	7146.6	7166.5	7184.1	7187.3
-12.5°	7162.0	7122.0	7106.2	7135.0	7106.2	7122.0	7162.0	7189.7	7211.3	7224.4	7219.2
-15°	7204.0	7176.3	7172.6	7189.6	7172.6	7176.3	7204.0	7233.0	7250.0	7260.8	7241.5
-17.5°	7240.9	7221.4	7231.1	7250.4	7231.1	7221.4	7240.9	7264.6	7278.7	7283.0	7256.7
-20°	7258.5	7247.6	7258.5	7306.5	7258.5	7247.6	7258.5	7273.6	7283.2	7280.7	7242.5



REPORT NUMBER: P645507 (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°
-22.5°	7257.0	7257.7	7276.8	7292.5	7276.8	7257.7	7257.0	7265.1	7264.3	7252.4	7188.2
-25°	7229.3	7243.9	7265.8	7297.2	7265.8	7243.9	7229.3	7228.6	7219.0	7187.9	7122.8
-27.5°	7162.6	7186.8	7209.7	7242.6	7209.7	7186.8	7162.6	7153.2	7136.1	7093.3	7040.4
-30°	7066.0	7094.8	7115.3	7150.6	7115.3	7094.8	7066.0	7048.4	7021.6	6972.7	6892.9
-32.5°	6948.5	6981.1	7005.2	7030.4	7005.2	6981.1	6948.5	6921.6	6893.1	6836.6	6726.6
-35°	6801.6	6836.7	6862.4	6885.4	6862.4	6836.7	6801.6	6766.2	6730.4	6682.0	6556.6
-37.5°	6625.1	6663.0	6692.2	6718.5	6692.2	6663.0	6625.1	6582.7	6545.0	6498.0	6376.2
-40°	6419.5	6458.4	6489.6	6518.8	6489.6	6458.4	6419.5	6371.0	6328.3	6273.4	6167.8
-42.5°	6179.1	6218.3	6250.5	6280.1	6250.5	6218.3	6179.1	6127.5	6075.1	6009.0	5917.6
-45°	5901.5	5941.8	5975.9	6007.2	5975.9	5941.8	5901.5	5847.5	5780.6	5694.6	5585.8
-47.5°	5581.7	5624.9	5654.0	5668.7	5654.0	5624.9	5581.7	5524.4	5446.7	5346.0	5226.7
-50°	5215.3	5258.4	5293.4	5319.2	5293.4	5258.4	5215.3	5158.2	5079.4	4970.3	4844.1
-52.5°	4811.8	4852.9	4883.0	4901.2	4883.0	4852.9	4811.8	4756.2	4680.0	4563.4	4430.3
-55°	4370.1	4413.1	4441.7	4455.1	4441.7	4413.1	4370.1	4312.7	4239.7	4120.9	3989.9
-57.5°	3869.2	3910.0	3940.4	3957.5	3940.4	3910.0	3869.2	3813.3	3742.9	3631.2	3505.1
-60°	3314.9	3351.4	3374.4	3383.4	3374.4	3351.4	3314.9	3263.8	3198.2	3099.9	2984.1
-62.5°	2747.9	2782.5	2804.1	2812.5	2804.1	2782.5	2747.9	2701.6	2644.1	2563.6	2466.8
-65°	2187.4	2209.1	2221.1	2222.8	2221.1	2209.1	2187.4	2154.8	2111.0	2049.3	1974.1
-67.5°	1687.5	1704.0	1714.0	1717.4	1714.0	1704.0	1687.5	1664.7	1635.8	1599.2	1553.3
-70°	1324.2	1335.5	1342.0	1343.1	1342.0	1335.5	1324.2	1307.0	1284.1	1253.5	1215.9
-72.5°	987.3	995.4	992.6	985.9	992.6	995.4	987.3	975.7	960.7	943.4	925.8
-75°	770.2	779.2	775.4	769.0	775.4	779.2	770.2	759.4	747.0	732.8	716.8
-77.5°	615.3	623.4	619.4	613.0	619.4	623.4	615.3	605.6	594.5	582.0	567.4
-80°	439.4	444.2	447.5	449.2	447.5	444.2	439.4	433.4	426.4	418.9	413.1
-82.5°	224.9	218.2	214.1	209.0	214.1	218.2	224.9	230.3	234.4	237.1	238.4
-85°	63.6	62.1	63.1	64.0	63.1	62.1	63.6	64.9	65.9	66.7	72.2
-87.5°	18.2	18.6	18.7	18.7	18.7	18.6	18.2	17.7	17.2	16.6	16.8
-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):**

	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°	0.8	1.1	1.5	1.4	1.4	1.3	1.3	1.3	1.2	1.2	1.1
85°	1.5	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
82.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
80°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
77.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
75°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
72.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
70°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.8
67.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.6	1.6	1.6	1.9
65°	2.0	1.9	1.9	2.2	2.3	2.2	2.2	2.3	2.2	2.2	2.0
62.5°	3.1	3.3	3.4	3.5	3.5	4.4	3.9	3.9	3.7	4.4	6.1
60°	7.5	5.9	8.9	9.9	8.5	14.5	24.5	22.0	6.5	35.3	40.7
57.5°	103.2	85.7	179.5	179.0	74.9	101.2	135.6	89.3	58.4	100.0	132.1
55°	719.8	659.2	573.1	564.0	593.8	451.1	377.2	363.0	284.1	184.7	219.4
52.5°	1014.8	954.3	895.6	841.0	796.1	748.1	677.6	601.4	577.1	464.7	358.3
50°	1148.3	1207.0	1149.1	1007.8	1032.9	964.7	865.4	784.3	801.0	732.2	590.3
47.5°	1557.2	1628.8	1630.5	1546.2	1452.4	1423.4	1277.7	1024.7	1041.7	1038.7	888.5
45°	2279.8	2179.8	2217.1	2098.6	1932.9	1841.3	1836.3	1565.6	1314.9	1274.2	1259.6
42.5°	2675.8	2601.7	2525.1	2436.8	2290.3	2144.1	2054.0	1901.6	1700.0	1521.6	1458.3
40°	2835.9	2749.7	2678.1	2605.0	2487.0	2337.3	2264.6	2064.7	1913.1	1758.7	1707.3
37.5°	3029.4	2865.8	2929.6	2791.3	2681.7	2645.3	2588.9	2380.8	2045.0	2016.8	1990.7
35°	3461.5	3308.5	3455.8	3429.7	2993.5	3042.1	3079.6	2823.9	2472.2	2281.6	2285.7
32.5°	4447.5	4094.6	3986.9	4118.9	3889.6	3508.9	3514.6	3436.7	2956.8	2679.3	2557.9
30°	4804.4	4647.7	4477.9	4455.0	4284.3	4064.2	3924.3	3737.2	3387.9	3071.3	2863.2
27.5°	4958.4	4816.2	4673.4	4563.1	4464.3	4314.8	4132.4	3912.5	3664.0	3380.3	3178.1
25°	5068.3	4909.1	4785.9	4664.1	4557.7	4444.6	4258.2	4044.1	3812.2	3583.5	3366.4
22.5°	5156.6	5008.2	4875.6	4744.6	4658.3	4536.7	4369.2	4148.0	3992.4	3847.0	3564.8
20°	5253.2	5110.2	4960.7	4967.1	4840.0	4636.9	4476.0	4365.8	4344.5	4180.9	3816.6
17.5°	5672.6	5279.3	5352.3	5490.9	5211.0	4842.3	4784.9	4791.0	4723.4	4571.4	4118.3
15°	6570.9	6002.8	6007.7	6103.3	5799.8	5346.9	5242.3	5229.5	5123.1	4954.9	4436.9
12.5°	6853.8	6664.0	6629.1	6487.1	6189.1	5850.6	5726.8	5659.6	5464.4	5138.9	4666.1
10°	6949.3	6839.4	6693.3	6550.1	6369.3	6233.3	6056.9	5812.8	5535.7	5221.8	4836.9
7.5°	6960.7	6846.6	6728.9	6592.5	6433.9	6274.3	6099.9	5857.3	5589.4	5281.4	4957.3
5°	6954.0	6840.3	6731.3	6600.9	6439.9	6285.2	6127.2	5887.4	5625.6	5320.3	5036.4
2.5°	6937.0	6822.0	6718.2	6599.8	6439.4	6290.3	6144.1	5919.6	5651.5	5352.5	5062.8
0°	6961.8	6847.9	6749.7	6617.1	6472.0	6298.9	6152.2	5952.6	5664.0	5373.8	5072.8
-2.5°	6972.4	6854.8	6764.8	6615.3	6495.0	6318.3	6169.8	5976.9	5687.6	5411.5	5096.9
-5°	7028.7	6911.8	6794.1	6644.2	6517.8	6352.4	6185.4	5986.8	5705.3	5431.9	5107.8
-7.5°	7065.7	6947.0	6810.1	6664.8	6537.8	6380.1	6194.9	5987.7	5721.4	5431.6	5113.0
-10°	7088.9	6964.8	6829.7	6680.8	6549.6	6387.3	6191.7	5982.5	5718.2	5418.9	5101.5
-12.5°	7121.4	6981.8	6842.7	6673.7	6542.1	6375.4	6180.0	5970.6	5693.7	5395.2	5072.3
-15°	7133.6	6990.2	6827.5	6661.9	6518.1	6356.0	6154.3	5935.2	5650.9	5358.6	5024.6
-17.5°	7138.6	6975.5	6802.1	6643.2	6488.3	6316.3	6103.5	5870.5	5596.1	5294.0	4961.7
-20°	7134.6	6944.9	6766.3	6593.3	6431.0	6256.4	6036.8	5806.0	5517.7	5210.4	4880.2



REPORT NUMBER: P645507 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5B-740-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°	7061.8	6890.0	6709.2	6521.6	6362.1	6176.9	5961.9	5723.0	5415.8	5118.6	4776.5
-25°	6981.7	6808.1	6621.4	6446.9	6277.0	6093.0	5872.0	5601.2	5309.4	5000.3	4650.6
-27.5°	6887.0	6704.5	6511.6	6334.1	6154.5	5973.4	5745.1	5472.2	5191.3	4853.3	4513.8
-30°	6759.1	6570.7	6374.1	6171.0	6006.8	5822.2	5596.4	5331.4	5029.7	4696.0	4372.9
-32.5°	6585.5	6408.2	6211.6	6018.6	5847.1	5653.3	5425.4	5162.3	4845.7	4530.0	4194.0
-35°	6408.9	6225.3	6037.9	5856.2	5675.5	5472.7	5240.0	4953.6	4651.0	4338.3	3989.6
-37.5°	6207.4	6016.2	5840.0	5667.3	5481.1	5273.1	5016.3	4739.7	4444.6	4100.8	3768.9
-40°	5990.9	5806.6	5614.3	5443.6	5244.9	5035.1	4787.0	4518.1	4193.6	3853.8	3541.8
-42.5°	5733.7	5549.7	5351.7	5161.6	4968.6	4769.0	4544.9	4254.0	3932.4	3611.9	3287.9
-45°	5423.3	5239.1	5044.4	4848.5	4667.9	4474.0	4265.5	3955.3	3637.7	3332.2	3021.3
-47.5°	5073.9	4895.5	4707.6	4513.4	4341.6	4146.9	3892.9	3604.2	3323.2	3032.6	2714.3
-50°	4694.6	4524.7	4351.0	4170.8	3977.8	3758.3	3514.4	3262.6	2984.3	2685.9	2395.2
-52.5°	4279.9	4124.5	3960.6	3787.3	3588.1	3370.2	3141.8	2874.4	2596.7	2343.5	2079.1
-55°	3847.3	3693.8	3531.7	3358.6	3172.9	2957.4	2720.7	2477.5	2250.8	2016.6	1814.9
-57.5°	3368.6	3223.1	3068.7	2905.3	2733.8	2533.3	2325.7	2119.3	1939.8	1757.8	1574.7
-60°	2856.8	2721.1	2589.7	2444.8	2286.5	2113.9	1962.5	1810.3	1658.0	1512.7	1365.2
-62.5°	2361.2	2247.6	2129.5	2012.1	1891.6	1767.1	1641.6	1524.1	1404.0	1280.8	1172.3
-65°	1892.8	1806.4	1713.3	1631.9	1546.5	1456.4	1355.6	1263.5	1176.1	1085.9	993.6
-67.5°	1499.6	1437.9	1372.2	1308.0	1249.4	1187.1	1116.2	1041.7	972.5	905.7	837.7
-70°	1176.4	1135.6	1092.9	1046.0	999.3	952.3	900.1	845.3	789.8	739.7	691.8
-72.5°	903.0	874.7	842.3	808.5	772.6	740.6	705.0	667.9	630.3	592.4	556.2
-75°	698.6	678.2	656.0	630.7	600.3	564.2	537.5	519.4	496.7	469.1	438.9
-77.5°	552.5	537.7	521.7	500.2	477.9	455.0	432.3	409.9	387.8	366.9	347.7
-80°	406.6	399.5	390.7	372.9	355.0	337.3	320.4	306.6	293.7	279.5	262.1
-82.5°	238.7	237.8	235.3	225.3	215.3	205.5	195.9	186.2	176.0	165.4	154.6
-85°	77.1	81.3	84.7	86.4	87.4	87.7	87.1	84.6	81.7	78.3	74.7
-87.5°	16.9	16.9	17.0	17.6	18.2	18.8	19.2	20.1	20.9	21.6	22.1
-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: P645507 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
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	1.0	1.0	0.9	0.9	0.8	0.7	0.7	0.8	0.8	0.8
85°	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.4	1.5	1.6	1.6
82.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.0	2.4	2.5
80°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.7	2.0	2.4	2.8
77.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.7	2.0	2.4	2.8
75°	1.6	1.6	1.6	1.7	1.7	1.6	1.6	1.7	2.1	2.4	2.8
72.5°	1.6	1.6	1.6	1.8	2.0	2.0	1.8	1.8	2.1	2.5	2.8
70°	1.8	1.7	1.6	1.8	2.2	2.5	2.5	2.5	2.2	2.5	2.9
67.5°	2.3	2.4	2.2	2.2	2.3	2.6	3.0	3.5	3.5	2.6	2.9
65°	2.4	2.8	3.2	4.4	3.9	2.7	3.1	6.1	4.9	4.1	3.0
62.5°	5.1	2.9	9.8	13.2	7.4	5.8	4.6	13.6	8.6	5.8	4.2
60°	12.2	10.0	27.5	44.0	30.7	10.3	15.2	23.6	21.7	7.5	5.9
57.5°	114.4	39.3	57.0	82.4	81.0	43.9	32.0	42.7	36.8	21.2	8.3
55°	244.2	205.5	135.7	124.2	134.2	108.4	70.5	69.2	56.8	39.4	13.5
52.5°	335.0	349.6	304.3	212.6	185.1	176.4	137.8	100.4	89.1	59.1	34.2
50°	485.0	451.6	447.1	375.4	259.6	235.0	203.4	156.8	125.1	84.5	57.8
47.5°	685.1	601.8	557.7	525.4	414.2	299.5	266.8	214.5	164.7	121.7	82.5
45°	979.1	777.9	692.5	640.2	567.7	421.3	333.9	270.5	214.7	163.4	108.3
42.5°	1274.3	1005.8	846.4	761.9	686.5	558.7	405.6	335.0	263.4	205.8	141.1
40°	1534.8	1240.7	1008.2	899.5	803.1	691.5	521.8	404.1	311.1	249.5	178.4
37.5°	1848.5	1508.2	1194.4	1043.8	927.4	802.4	639.7	476.3	368.4	295.3	215.7
35°	2152.0	1854.6	1402.7	1218.1	1065.8	916.1	753.2	561.6	438.9	341.8	253.1
32.5°	2477.9	2180.3	1717.3	1412.7	1209.1	1032.4	859.3	665.3	509.7	388.9	290.3
30°	2734.4	2394.8	1993.5	1607.5	1364.9	1162.1	965.3	764.8	580.7	436.4	327.9
27.5°	2870.4	2580.3	2211.4	1824.6	1540.3	1295.1	1074.5	859.8	651.6	488.7	367.0
25°	3011.0	2711.0	2367.2	2014.4	1713.5	1435.8	1183.2	950.5	729.0	547.6	405.7
22.5°	3179.3	2822.1	2498.5	2164.8	1892.1	1578.5	1297.2	1042.3	806.4	605.3	443.8
20°	3348.2	2925.3	2628.2	2369.5	2067.4	1732.9	1416.4	1131.8	879.5	661.6	481.0
17.5°	3525.6	3112.6	2848.2	2569.2	2242.2	1882.5	1533.9	1218.6	948.0	716.1	517.3
15°	3834.2	3393.2	3069.8	2763.5	2416.0	2026.4	1648.5	1301.9	1011.9	768.4	550.9
12.5°	4114.4	3654.4	3291.6	2951.4	2587.0	2163.7	1759.0	1381.2	1071.1	810.1	580.9
10°	4346.2	3896.5	3510.9	3131.8	2753.0	2293.2	1864.4	1445.8	1106.6	841.3	608.6
7.5°	4536.1	4120.4	3724.6	3303.5	2895.6	2377.9	1917.5	1483.5	1134.1	867.8	633.8
5°	4673.3	4269.7	3838.2	3363.3	2940.1	2412.7	1953.7	1514.1	1156.3	889.9	656.5
2.5°	4712.9	4315.7	3880.8	3396.1	2970.2	2435.2	1979.5	1537.6	1173.4	907.8	676.6
0°	4735.8	4345.9	3907.5	3416.2	2985.6	2445.9	1995.1	1553.7	1185.5	921.9	694.2
-2.5°	4768.0	4371.9	3933.3	3467.9	2995.8	2478.6	2003.9	1564.2	1200.8	926.9	704.4
-5°	4784.0	4382.1	3945.7	3502.7	2993.2	2498.2	2002.8	1567.5	1210.7	928.7	711.9
-7.5°	4777.0	4378.7	3946.2	3513.6	2979.6	2502.7	1991.9	1564.0	1214.8	927.4	716.6
-10°	4755.4	4360.9	3931.1	3485.4	2967.2	2485.0	1972.5	1554.1	1212.4	923.4	718.3
-12.5°	4722.7	4327.7	3900.3	3444.8	2941.2	2448.5	1949.7	1537.0	1202.6	917.0	717.1
-15°	4680.2	4279.5	3853.5	3393.3	2898.5	2400.0	1915.3	1512.3	1183.5	909.8	712.9
-17.5°	4625.7	4216.5	3790.4	3332.1	2838.3	2339.9	1869.2	1480.0	1159.7	900.9	704.3
-20°	4528.4	4131.9	3710.3	3262.5	2760.2	2268.6	1811.1	1440.3	1131.3	888.4	692.0



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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°	4418.9	4027.3	3610.5	3168.7	2666.2	2186.7	1740.9	1393.2	1098.6	872.0	677.3
-25°	4302.3	3909.4	3494.4	3038.8	2562.2	2100.2	1670.5	1338.5	1061.7	851.7	660.2
-27.5°	4165.2	3776.0	3362.8	2895.8	2441.5	1999.8	1603.1	1290.2	1026.0	827.5	640.8
-30°	4011.2	3619.0	3198.4	2743.2	2309.2	1883.6	1527.5	1238.5	995.8	801.1	619.1
-32.5°	3834.7	3446.1	3016.3	2586.9	2169.5	1760.4	1444.0	1183.3	961.0	773.1	599.0
-35°	3633.8	3244.9	2823.3	2419.2	2021.4	1660.9	1362.5	1124.7	921.4	742.8	577.9
-37.5°	3424.4	3029.0	2630.2	2244.0	1864.0	1553.2	1289.0	1066.7	877.2	710.4	554.6
-40°	3185.5	2806.8	2427.5	2063.6	1727.8	1437.5	1209.6	1009.6	835.5	675.9	529.1
-42.5°	2939.3	2573.8	2216.2	1872.6	1593.3	1343.3	1126.4	948.0	791.4	642.5	501.4
-45°	2673.8	2327.7	1991.4	1711.7	1456.5	1243.5	1053.6	884.3	744.4	608.4	472.8
-47.5°	2393.8	2068.4	1787.1	1544.0	1340.2	1143.3	976.1	829.1	695.1	571.8	444.1
-50°	2097.2	1826.9	1599.0	1398.3	1214.8	1053.0	899.0	771.3	649.8	531.4	414.1
-52.5°	1834.4	1617.8	1429.2	1257.4	1104.3	958.1	832.5	712.0	603.2	492.8	382.7
-55°	1609.2	1431.7	1272.5	1129.5	994.7	876.7	763.4	659.4	555.3	454.0	350.9
-57.5°	1414.7	1259.5	1132.1	1008.0	896.7	796.0	700.5	605.6	509.4	413.8	325.7
-60°	1227.8	1112.0	998.6	898.9	804.6	719.2	641.2	551.9	463.1	373.7	297.8
-62.5°	1066.5	967.6	881.9	794.9	716.6	647.0	581.3	499.3	415.4	336.5	267.5
-65°	915.2	839.3	766.3	696.9	631.9	572.9	519.8	445.4	367.6	297.2	236.0
-67.5°	771.5	714.4	657.1	598.8	547.7	499.9	454.5	387.3	317.7	255.8	204.7
-70°	643.3	594.4	549.5	506.2	464.8	424.9	382.1	325.4	265.5	218.7	172.7
-72.5°	522.1	486.4	449.1	413.6	382.9	347.9	308.5	264.3	222.3	180.9	140.0
-75°	410.0	386.4	360.2	331.9	303.3	272.1	246.1	215.1	178.5	142.4	112.8
-77.5°	328.0	305.0	278.7	256.2	237.1	215.7	192.0	165.1	136.1	110.7	87.2
-80°	242.0	224.4	209.5	196.5	178.8	159.3	139.7	120.1	99.0	79.3	61.1
-82.5°	147.6	143.7	139.6	133.6	118.9	104.4	90.2	76.3	61.3	47.4	39.2
-85°	73.8	72.3	70.1	67.0	57.9	49.1	45.0	40.8	35.8	30.9	26.2
-87.5°	24.3	26.1	27.6	28.6	26.6	24.6	22.5	20.4	17.9	15.5	13.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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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°	0.8	0.7	0.5	0.4	0.3	0.2	0.0
85°	1.6	1.3	1.1	0.8	0.5	0.3	0.0
82.5°	2.4	2.0	1.6	1.2	0.8	0.5	0.0
80°	3.1	2.7	2.1	1.6	1.1	0.7	0.0
77.5°	3.1	3.1	2.7	2.0	1.4	0.8	0.0
75°	3.1	3.2	3.1	2.4	1.6	1.0	0.0
72.5°	3.2	3.3	3.3	2.8	1.9	1.2	0.0
70°	3.3	3.5	3.4	3.1	2.2	1.3	0.0
67.5°	3.7	3.6	3.6	3.3	2.5	1.5	0.0
65°	4.2	4.1	3.7	3.4	2.7	1.7	0.0
62.5°	4.9	5.1	3.9	3.6	3.0	1.8	0.0
60°	5.8	6.3	4.1	3.8	3.3	2.0	0.0
57.5°	10.7	7.5	5.3	3.9	3.5	2.2	0.0
55°	17.0	8.9	6.6	4.1	3.7	2.3	0.0
52.5°	24.4	11.4	8.0	4.3	3.8	2.5	0.0
50°	32.9	19.4	9.4	4.5	4.0	2.6	0.0
47.5°	44.3	28.0	10.9	4.9	4.2	2.8	0.0
45°	66.8	37.2	12.5	6.1	4.4	2.9	0.0
42.5°	89.8	47.1	14.1	7.3	4.6	3.1	0.0
40°	113.4	57.5	18.9	8.8	4.8	3.2	0.0
37.5°	137.4	68.4	27.1	10.7	5.0	3.3	0.0
35°	161.8	85.0	35.3	12.7	5.2	3.5	0.0
32.5°	188.2	104.2	43.7	15.0	5.4	3.6	0.0
30°	218.5	123.3	52.1	17.5	5.6	3.7	0.0
27.5°	248.1	142.1	62.5	20.1	5.8	3.8	0.0
25°	277.0	160.7	73.2	22.9	6.0	4.0	0.0
22.5°	305.1	179.6	83.8	25.8	6.2	4.1	0.0
20°	332.2	199.9	94.4	28.8	6.4	4.2	0.0
17.5°	359.1	219.5	104.7	31.8	6.6	4.3	0.0
15°	384.9	238.4	114.9	34.9	6.8	4.3	0.0
12.5°	409.0	256.4	124.6	37.9	7.0	4.4	0.0
10°	431.4	273.4	134.0	40.9	7.2	4.5	0.0
7.5°	452.0	289.3	142.8	43.8	7.3	4.6	0.0
5°	470.7	304.0	151.0	46.5	7.5	4.6	0.0
2.5°	487.5	317.3	158.6	49.1	7.7	4.7	0.0
0°	502.3	329.1	165.3	51.5	7.8	4.7	0.0
-2.5°	509.7	336.6	171.6	54.9	9.0	5.0	0.0
-5°	515.0	342.5	177.0	57.9	10.2	5.2	0.0
-7.5°	518.5	346.8	181.3	60.7	11.4	5.5	0.0
-10°	520.0	349.5	184.6	63.1	12.5	5.7	0.0
-12.5°	519.7	350.6	186.9	65.1	13.6	5.9	0.0
-15°	517.7	350.1	187.9	66.7	14.6	6.1	0.0
-17.5°	513.9	348.0	187.8	67.9	15.5	6.3	0.0
-20°	508.0	344.4	186.4	68.5	16.4	6.4	0.0

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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	499.5	339.1	183.8	68.7	17.2	6.6	0.0
-25°	489.1	331.0	179.9	68.4	17.9	6.7	0.0
-27.5°	476.6	320.8	174.7	67.6	18.5	6.7	0.0
-30°	462.3	309.2	168.1	66.2	18.9	6.8	0.0
-32.5°	446.0	296.3	160.5	64.3	19.3	6.8	0.0
-35°	428.3	282.0	152.0	61.7	19.6	6.8	0.0
-37.5°	409.4	267.7	142.6	58.7	19.7	6.7	0.0
-40°	388.9	254.7	132.4	55.0	19.7	6.7	0.0
-42.5°	367.1	240.7	124.7	51.1	19.6	6.6	0.0
-45°	343.9	225.9	119.4	47.1	19.4	6.4	0.0
-47.5°	319.4	210.3	113.2	42.5	19.0	6.3	0.0
-50°	298.9	193.8	106.0	41.0	18.6	6.1	0.0
-52.5°	278.3	176.5	98.0	40.2	18.0	5.9	0.0
-55°	257.0	163.4	89.0	38.9	17.3	5.6	0.0
-57.5°	234.9	150.1	79.2	37.2	16.4	5.4	0.0
-60°	212.5	135.6	68.9	35.1	15.5	5.1	0.0
-62.5°	192.0	120.0	64.0	32.6	14.6	4.7	0.0
-65°	170.0	103.2	58.4	29.8	13.5	4.4	0.0
-67.5°	146.7	89.3	52.2	26.6	12.4	4.0	0.0
-70°	122.0	78.1	45.4	23.1	11.2	3.6	0.0
-72.5°	103.2	66.1	38.1	20.3	10.0	3.2	0.0
-75°	84.4	53.4	30.3	17.7	8.7	2.8	0.0
-77.5°	64.6	40.0	25.0	14.9	7.3	2.3	0.0
-80°	44.1	30.5	20.2	12.0	5.9	1.9	0.0
-82.5°	32.4	23.1	15.3	9.1	4.5	1.4	0.0
-85°	21.7	15.5	10.3	6.1	3.0	1.0	0.0
-87.5°	10.9	7.8	5.1	3.1	1.5	0.5	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)