

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: P645387 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA2D-740-U-LAM-VSR-XX

Issue Date: 2/28/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P645387 (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-SA2D-740-U-LAM-VSR-XX  
Description: GALLEON FLOOD, TWO LIGHT SQAURE, LAMBERTIAN WITH VISOR  
Light Source: (32) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

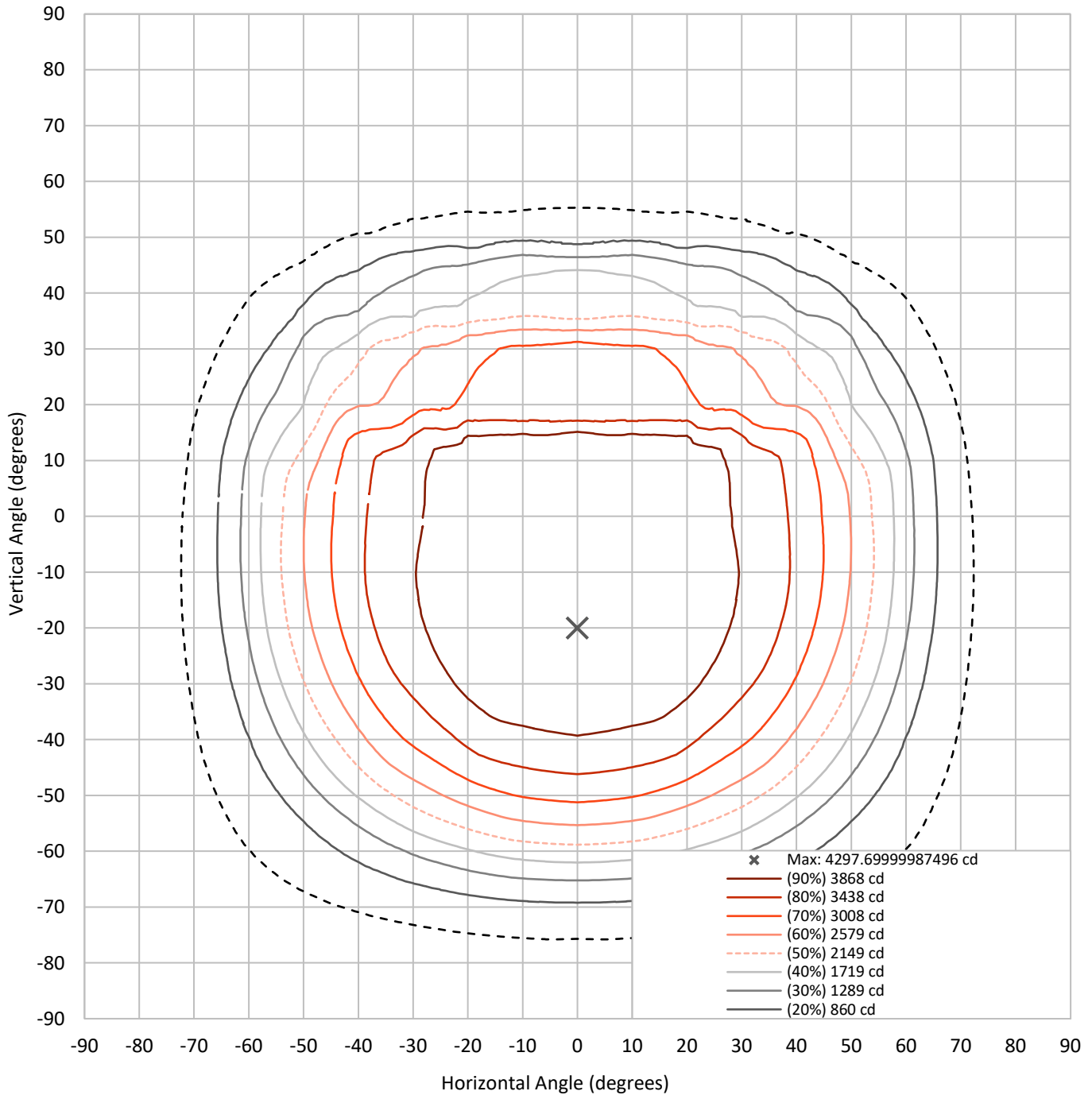
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	10077.3 lumens	Max Intensity:	4297.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -20°V
Efficacy:	92.7 lumens/watt		
Luminous Opening:	Rectangular (W 1' 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:	7877.9 lumens	Field Lumens:	9877.2 lumens
Beam Efficiency:	78.2%	Field Efficiency:	98.0%
Input Watts (W):	108.7		
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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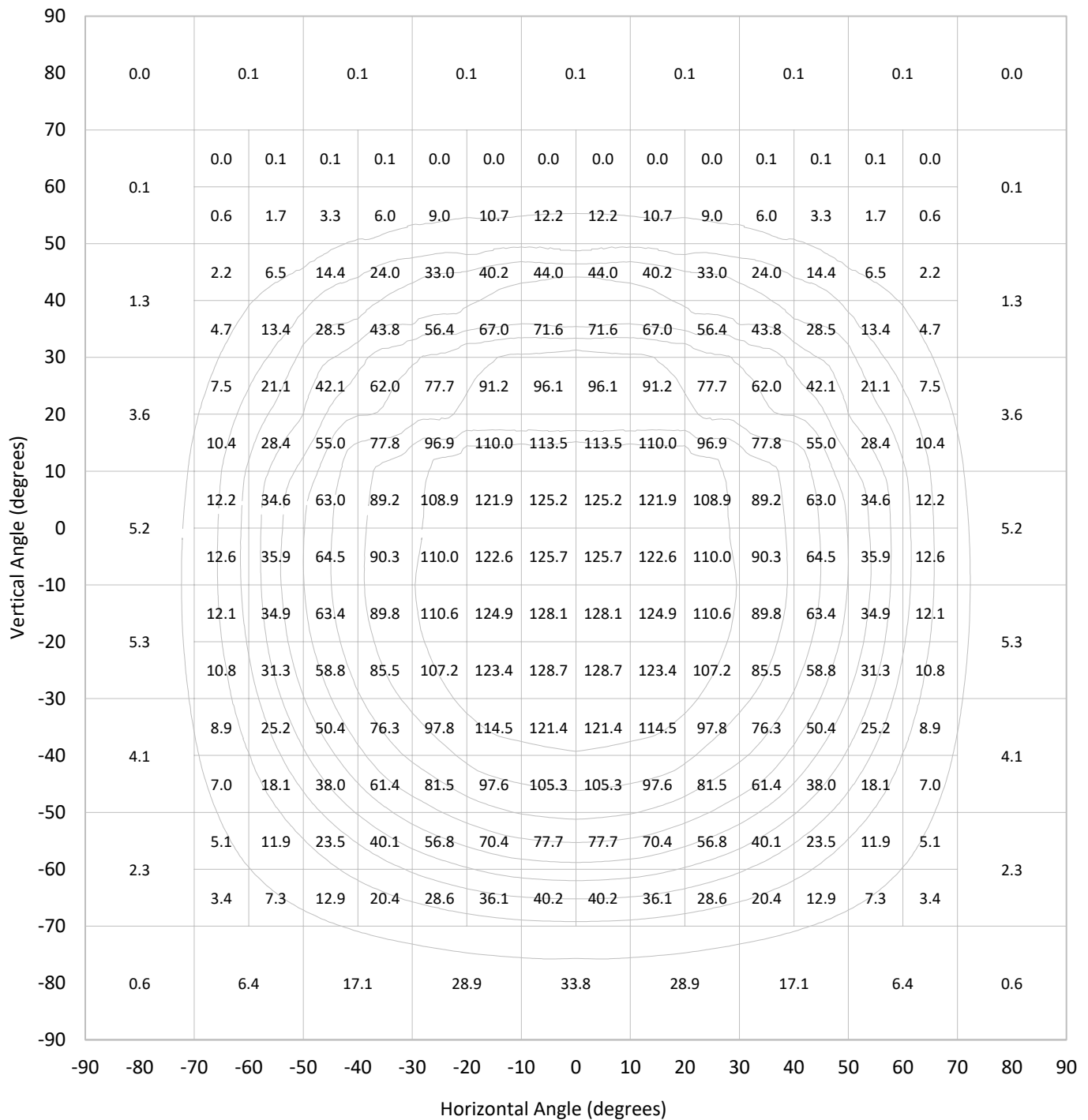
### Iso-Candela Plot





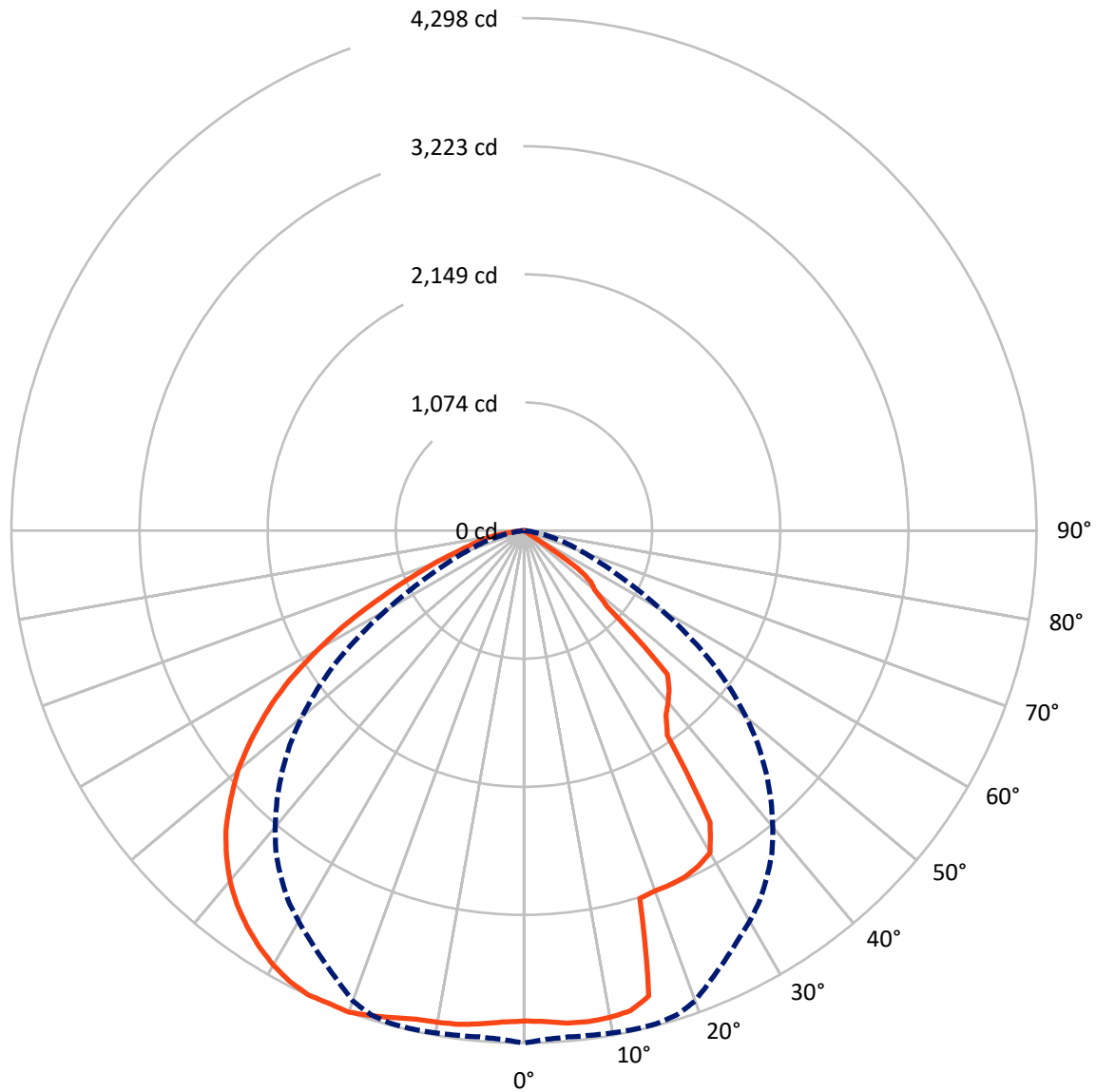
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### Lumen Table



REPORT NUMBER: P645387 (CONVERTED FROM TYPE C PHOTOMETRY)  
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### Luminous Intensity Polar Plot

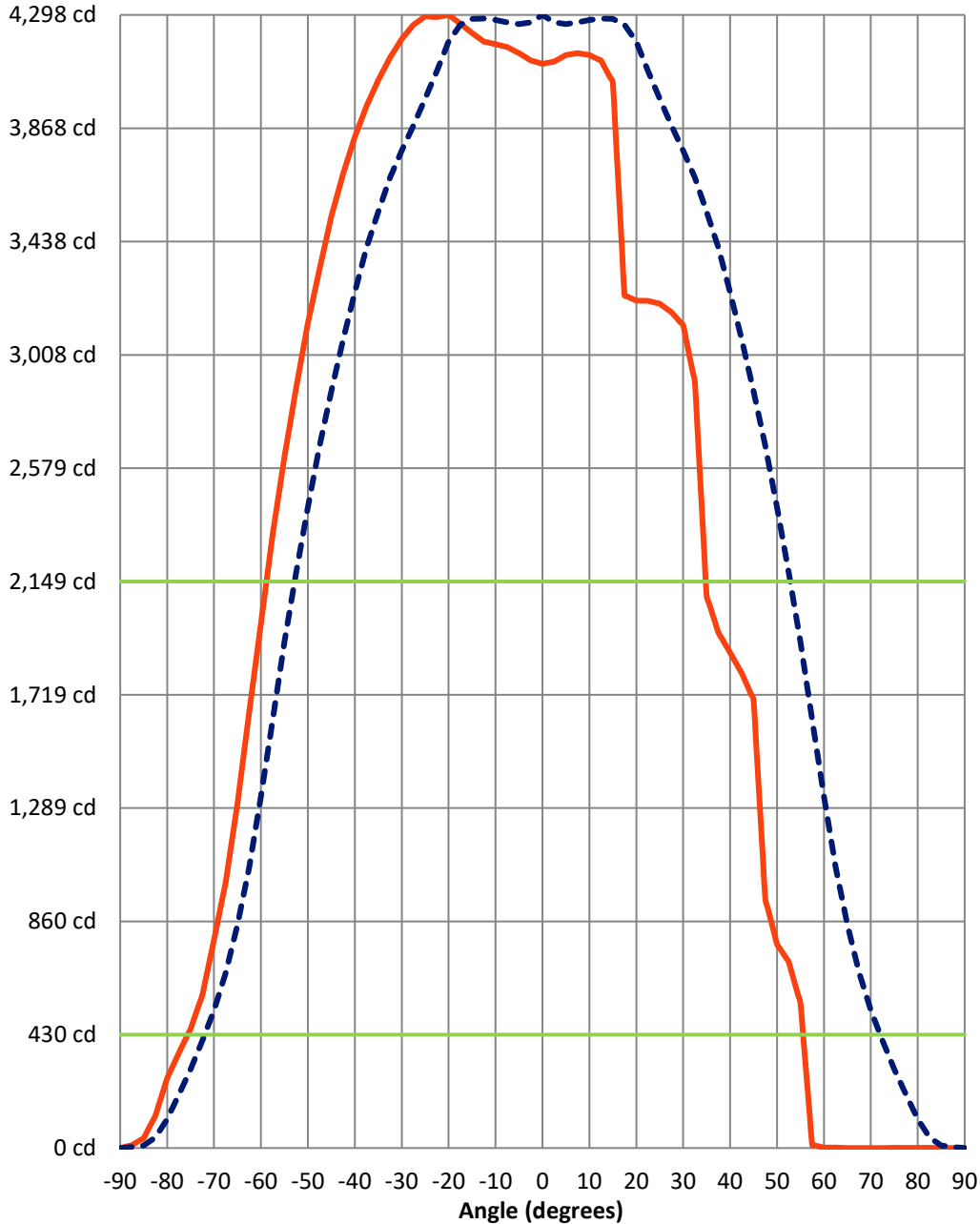


— Vertical Distribution Through 0-Deg      - - - Horizontal Distribution Through -20-Deg



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 105.6°  
 V Angle: 93.7°  
 Lumens: 7877.9  
 Efficiency: 78.2%

**Field:**  
 H Angle: 144°  
 V Angle: 131.2°  
 Lumens: 9877.2  
 Efficiency: 98.0%

**Spill:**  
 Lumens: 200.1  
 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	0.2	0.2	0.3	0.4	0.5	0.5	0.5	0.4	0.4
85°	0.0	0.2	0.3	0.5	0.6	0.8	0.9	0.9	0.9	0.9	0.8
82.5°	0.0	0.3	0.5	0.7	0.9	1.2	1.4	1.4	1.4	1.1	0.9
80°	0.0	0.4	0.6	0.9	1.2	1.6	1.8	1.6	1.4	1.2	0.9
77.5°	0.0	0.5	0.8	1.2	1.6	1.8	1.8	1.6	1.4	1.2	0.9
75°	0.0	0.6	0.9	1.4	1.8	1.9	1.8	1.6	1.4	1.2	1.0
72.5°	0.0	0.7	1.1	1.6	1.9	2.0	1.9	1.6	1.4	1.2	1.0
70°	0.0	0.8	1.3	1.8	2.0	2.0	1.9	1.7	1.5	1.3	1.4
67.5°	0.0	0.9	1.4	1.9	2.1	2.1	2.1	1.7	1.5	2.0	2.0
65°	0.0	1.0	1.6	2.0	2.2	2.4	2.4	1.7	2.4	2.8	3.6
62.5°	0.0	1.1	1.8	2.1	2.3	3.0	2.9	2.4	3.4	5.0	8.0
60°	0.0	1.2	1.9	2.2	2.4	3.7	3.4	3.4	4.4	12.7	13.8
57.5°	0.0	1.3	2.0	2.3	3.1	4.4	6.3	4.9	12.5	21.6	25.1
55°	0.0	1.4	2.1	2.4	3.9	5.2	10.0	7.9	23.1	33.4	40.7
52.5°	0.0	1.5	2.3	2.5	4.7	6.7	14.4	20.1	34.7	52.4	59.1
50°	0.0	1.6	2.4	2.7	5.5	11.4	19.4	34.0	49.7	73.6	92.3
47.5°	0.0	1.6	2.5	2.9	6.4	16.5	26.0	48.5	71.6	96.9	126.1
45°	0.0	1.7	2.6	3.6	7.3	21.9	39.3	63.7	96.1	126.3	159.1
42.5°	0.0	1.8	2.7	4.3	8.3	27.7	52.8	83.0	121.1	154.9	197.0
40°	0.0	1.9	2.8	5.2	11.1	33.8	66.7	104.9	146.7	182.9	237.7
37.5°	0.0	2.0	3.0	6.3	15.9	40.3	80.8	126.9	173.7	216.7	280.2
35°	0.0	2.1	3.1	7.5	20.8	50.0	95.2	148.9	201.0	258.1	330.3
32.5°	0.0	2.1	3.2	8.9	25.7	61.3	110.7	170.8	228.7	299.8	391.3
30°	0.0	2.2	3.3	10.3	30.7	72.5	128.5	192.9	256.7	341.6	449.8
27.5°	0.0	2.3	3.4	11.9	36.8	83.6	146.0	215.9	287.4	383.3	505.8
25°	0.0	2.3	3.6	13.5	43.1	94.5	163.0	238.6	322.1	428.8	559.1
22.5°	0.0	2.4	3.7	15.2	49.4	105.7	179.5	261.0	356.0	474.4	613.1
20°	0.0	2.5	3.8	16.9	55.6	117.6	195.5	282.9	389.1	517.3	665.8
17.5°	0.0	2.5	3.9	18.7	61.7	129.2	211.2	304.2	421.2	557.6	716.8
15°	0.0	2.6	4.0	20.5	67.6	140.3	226.4	324.0	452.0	595.2	765.8
12.5°	0.0	2.6	4.1	22.3	73.4	150.8	240.6	341.7	476.5	630.0	812.5
10°	0.0	2.7	4.2	24.1	78.9	160.8	253.8	357.9	494.8	650.9	850.5
7.5°	0.0	2.7	4.3	25.8	84.1	170.2	265.9	372.8	510.4	667.1	872.6
5°	0.0	2.7	4.4	27.4	88.9	178.8	276.8	386.1	523.5	680.2	890.6
2.5°	0.0	2.8	4.5	28.9	93.3	186.6	286.7	398.0	534.0	690.2	904.4
0°	0.0	2.8	4.6	30.3	97.3	193.6	295.4	408.3	542.3	697.3	913.9
-2.5°	0.0	3.0	5.3	32.3	101.0	198.0	299.7	414.3	545.3	706.3	920.1
-5°	0.0	3.1	6.0	34.1	104.1	201.5	302.9	418.7	546.3	712.2	922.0
-7.5°	0.0	3.2	6.7	35.7	106.7	204.0	304.9	421.5	545.5	714.5	920.0
-10°	0.0	3.4	7.4	37.1	108.6	205.6	305.8	422.5	543.2	713.1	914.1
-12.5°	0.0	3.5	8.0	38.3	109.9	206.2	305.7	421.8	539.4	707.4	904.1
-15°	0.0	3.6	8.6	39.2	110.6	205.9	304.5	419.3	535.1	696.2	889.6
-17.5°	0.0	3.7	9.1	39.9	110.5	204.7	302.2	414.2	529.9	682.2	870.6
-20°	0.0	3.8	9.7	40.3	109.7	202.5	298.8	407.0	522.5	665.5	847.2

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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	3.9	10.1	40.5	108.1	199.4	293.8	398.4	512.9	646.2	819.5
-25°	0.0	3.9	10.5	40.3	105.8	194.6	287.6	388.3	501.0	624.5	787.4
-27.5°	0.0	4.0	10.9	39.8	102.7	188.7	280.3	376.9	486.7	603.5	758.9
-30°	0.0	4.0	11.1	39.0	98.9	181.9	271.9	364.1	471.2	585.8	728.5
-32.5°	0.0	4.0	11.4	37.8	94.4	174.3	262.3	352.3	454.7	565.2	696.0
-35°	0.0	4.0	11.5	36.3	89.4	165.9	251.9	339.9	436.9	542.0	661.5
-37.5°	0.0	4.0	11.6	34.5	83.9	157.4	240.8	326.2	417.9	516.0	627.5
-40°	0.0	3.9	11.6	32.4	77.9	149.8	228.8	311.2	397.6	491.5	593.8
-42.5°	0.0	3.9	11.5	30.0	73.4	141.6	215.9	294.9	378.0	465.5	557.7
-45°	0.0	3.8	11.4	27.7	70.2	132.9	202.3	278.1	357.9	437.9	520.2
-47.5°	0.0	3.7	11.2	25.0	66.6	123.7	187.9	261.3	336.4	408.9	487.7
-50°	0.0	3.6	10.9	24.1	62.4	114.0	175.8	243.6	312.6	382.3	453.7
-52.5°	0.0	3.5	10.6	23.6	57.6	103.8	163.7	225.1	289.9	354.8	418.8
-55°	0.0	3.3	10.2	22.9	52.3	96.1	151.2	206.5	267.1	326.7	387.9
-57.5°	0.0	3.2	9.7	21.9	46.6	88.3	138.2	191.6	243.5	299.7	356.3
-60°	0.0	3.0	9.1	20.7	40.5	79.7	125.0	175.2	219.8	272.4	324.7
-62.5°	0.0	2.8	8.6	19.2	37.6	70.5	112.9	157.3	198.0	244.4	293.7
-65°	0.0	2.6	8.0	17.5	34.3	60.7	100.0	138.8	174.8	216.2	262.0
-67.5°	0.0	2.4	7.3	15.6	30.7	52.5	86.2	120.4	150.4	186.9	227.8
-70°	0.0	2.1	6.6	13.6	26.7	45.9	71.7	101.6	128.6	156.2	191.3
-72.5°	0.0	1.9	5.9	11.9	22.4	38.9	60.7	82.3	106.4	130.7	155.4
-75°	0.0	1.6	5.1	10.4	17.8	31.4	49.6	66.3	83.7	105.0	126.5
-77.5°	0.0	1.4	4.3	8.8	14.7	23.6	38.0	51.3	65.1	80.1	97.1
-80°	0.0	1.1	3.5	7.1	11.9	18.0	26.0	35.9	46.6	58.2	70.6
-82.5°	0.0	0.8	2.6	5.3	9.0	13.6	19.1	23.1	27.9	36.0	44.8
-85°	0.0	0.6	1.8	3.6	6.0	9.1	12.8	15.4	18.2	21.0	24.0
-87.5°	0.0	0.3	0.9	1.8	3.0	4.6	6.4	7.7	9.1	10.5	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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 CATALOG NUMBER: GFLD-SA2D-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°
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	0.5	0.5	0.5	0.6	0.6	0.6	0.7	0.7	0.7
85°	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
82.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
80°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
77.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
75°	0.9	0.9	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
72.5°	1.0	1.2	1.1	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9
70°	1.4	1.5	1.3	1.0	0.9	0.9	1.0	1.0	0.9	0.9	0.9
67.5°	1.7	1.5	1.3	1.2	1.2	1.4	1.3	1.1	0.9	0.9	0.9
65°	1.8	1.6	2.3	2.6	1.9	1.6	1.4	1.2	1.2	1.3	1.3
62.5°	2.7	3.4	4.4	7.7	5.8	1.7	3.0	3.5	2.6	2.2	2.3
60°	8.9	6.1	18.1	25.9	16.1	5.9	7.2	24.0	20.8	3.9	13.0
57.5°	18.9	25.9	47.6	48.5	33.5	23.1	67.3	77.8	58.9	34.3	52.5
55°	41.5	63.7	78.9	73.1	79.8	120.9	143.7	129.1	108.6	167.1	213.5
52.5°	81.0	103.7	108.9	125.0	179.0	205.7	197.1	210.8	273.3	339.4	353.7
50°	119.6	138.2	152.7	220.8	263.0	265.7	285.3	347.2	430.7	471.1	461.3
47.5°	156.9	176.2	243.6	309.1	328.0	354.0	403.0	522.6	611.0	612.7	602.7
45°	196.4	247.8	333.9	376.6	407.3	457.6	575.9	740.9	749.5	773.5	920.9
42.5°	238.6	328.7	403.8	448.2	497.9	591.6	749.5	857.8	895.0	1000.0	1118.6
40°	306.9	406.8	472.4	529.1	593.0	729.8	902.8	1004.2	1034.5	1125.3	1214.5
37.5°	376.3	472.0	545.5	614.0	702.6	887.2	1087.3	1170.9	1186.3	1202.9	1400.4
35°	443.0	538.9	626.9	716.5	825.1	1090.9	1265.8	1344.5	1342.0	1454.2	1661.0
32.5°	505.5	607.2	711.2	831.0	1010.2	1282.4	1457.5	1504.6	1576.0	1739.2	2021.5
30°	567.8	683.5	802.9	945.5	1172.6	1408.6	1608.4	1684.2	1806.5	1992.8	2198.2
27.5°	632.0	761.8	906.0	1073.2	1300.7	1517.7	1688.4	1869.4	1988.3	2155.2	2301.4
25°	696.0	844.6	1007.9	1184.9	1392.4	1594.6	1771.1	1980.1	2107.8	2242.4	2378.8
22.5°	763.0	928.5	1113.0	1273.3	1469.6	1659.9	1870.1	2096.8	2262.8	2348.4	2439.9
20°	833.2	1019.3	1216.1	1393.7	1545.9	1720.6	1969.4	2244.9	2459.2	2555.5	2568.0
17.5°	902.3	1107.3	1318.9	1511.2	1675.3	1830.8	2073.7	2422.4	2688.9	2778.3	2818.1
15°	969.7	1192.0	1421.1	1625.5	1805.7	1995.9	2255.3	2609.8	2914.4	3013.4	3076.0
12.5°	1034.7	1272.7	1521.7	1736.1	1936.1	2149.5	2420.1	2744.6	3022.7	3214.2	3329.0
10°	1096.7	1348.9	1619.3	1842.2	2065.1	2292.0	2556.5	2845.1	3071.4	3256.1	3419.2
7.5°	1127.9	1398.7	1703.2	1943.1	2190.8	2423.7	2668.2	2915.9	3106.5	3287.7	3445.3
5°	1149.2	1419.1	1729.4	1978.3	2257.6	2511.5	2748.9	2962.4	3129.4	3309.0	3463.0
2.5°	1164.3	1432.4	1747.1	1997.6	2282.7	2538.5	2772.1	2978.0	3148.4	3324.3	3481.9
0°	1173.5	1438.7	1756.2	2009.4	2298.4	2556.3	2785.6	2983.8	3160.9	3331.6	3501.3
-2.5°	1178.7	1458.0	1762.2	2039.8	2313.6	2571.6	2804.5	2998.0	3183.0	3345.5	3515.6
-5°	1178.0	1469.4	1760.6	2060.3	2320.9	2577.6	2814.0	3004.4	3195.0	3355.9	3521.5
-7.5°	1171.7	1472.1	1752.7	2066.7	2321.2	2575.6	2809.8	3007.5	3194.8	3365.4	3522.0
-10°	1160.3	1461.7	1745.3	2050.2	2312.3	2565.1	2797.2	3000.7	3187.4	3363.4	3519.0
-12.5°	1146.8	1440.2	1730.0	2026.3	2294.2	2545.6	2777.9	2983.5	3173.4	3349.0	3511.9
-15°	1126.6	1411.7	1704.9	1996.0	2266.6	2517.2	2752.9	2955.5	3151.9	3323.9	3491.1
-17.5°	1099.5	1376.3	1669.5	1959.9	2229.6	2480.2	2720.8	2918.5	3114.0	3291.6	3453.0
-20°	1065.4	1334.4	1623.5	1919.0	2182.5	2430.4	2663.6	2870.6	3064.8	3245.5	3415.1



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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°	1024.1	1286.3	1568.2	1863.8	2123.7	2368.9	2599.2	2809.5	3010.8	3185.6	3366.3
-25°	982.7	1235.4	1507.1	1787.4	2055.4	2299.6	2530.6	2735.5	2941.2	3123.0	3294.7
-27.5°	943.0	1176.3	1436.1	1703.3	1978.0	2221.0	2450.0	2655.1	2854.7	3053.5	3218.8
-30°	898.5	1108.0	1358.3	1613.5	1881.3	2128.7	2359.4	2572.2	2762.2	2958.5	3135.9
-32.5°	849.4	1035.5	1276.1	1521.6	1774.2	2027.0	2255.6	2466.9	2664.6	2850.2	3036.5
-35°	801.4	977.0	1189.0	1423.0	1660.6	1908.7	2137.4	2346.7	2551.8	2735.7	2913.7
-37.5°	758.2	913.6	1096.5	1319.9	1547.0	1781.6	2014.3	2216.9	2412.1	2614.3	2787.9
-40°	711.5	845.6	1016.3	1213.8	1427.8	1651.0	1873.7	2083.3	2266.8	2466.7	2657.6
-42.5°	662.6	790.1	937.2	1101.5	1303.5	1513.9	1728.9	1933.9	2124.5	2313.0	2502.2
-45°	619.7	731.4	856.7	1006.8	1171.4	1369.2	1572.8	1777.1	1960.0	2139.7	2326.5
-47.5°	574.2	672.5	788.3	908.2	1051.2	1216.7	1408.1	1596.6	1783.8	1954.7	2120.1
-50°	528.8	619.4	714.5	822.5	940.5	1074.6	1233.6	1408.9	1579.9	1755.4	1919.1
-52.5°	489.7	563.6	649.5	739.6	840.7	951.6	1079.0	1222.9	1378.4	1527.4	1690.8
-55°	449.0	515.7	585.1	664.4	748.5	842.1	946.5	1067.5	1186.2	1323.9	1457.3
-57.5°	412.0	468.2	527.4	592.9	665.9	740.9	832.1	926.3	1033.9	1141.0	1246.6
-60°	377.2	423.0	473.3	528.7	587.4	654.1	722.3	803.1	889.8	975.3	1064.8
-62.5°	342.0	380.6	421.5	467.6	518.7	569.1	627.3	689.6	753.4	825.8	896.5
-65°	305.8	337.0	371.7	409.9	450.7	493.7	538.3	584.5	638.8	691.8	743.2
-67.5°	267.3	294.1	322.2	352.3	386.5	420.2	453.9	492.8	532.8	572.1	612.8
-70°	224.7	249.9	273.3	297.8	323.2	349.6	378.4	407.0	435.1	464.6	497.2
-72.5°	181.5	204.6	225.2	243.2	264.1	286.1	307.1	327.2	348.4	370.8	392.9
-75°	144.7	160.1	178.4	195.2	211.8	227.3	241.1	258.2	275.9	292.2	305.5
-77.5°	112.9	126.9	139.5	150.8	164.0	179.5	193.0	204.5	215.8	228.1	241.1
-80°	82.2	93.7	105.2	115.6	123.3	132.0	142.4	154.2	164.5	172.8	180.4
-82.5°	53.0	61.4	69.9	78.6	82.2	84.6	86.8	90.9	97.3	103.6	109.6
-85°	26.4	28.9	34.1	39.4	41.3	42.6	43.5	43.9	46.1	48.1	49.8
-87.5°	13.2	14.4	15.7	16.9	16.2	15.4	14.3	13.0	12.7	12.3	11.9
-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°	0.7	0.8	0.8	0.8	0.8	0.6	0.4	0.2	0.0	0.0	0.0
85°	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.6	0.4
82.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
80°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
77.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
75°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
72.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
70°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
67.5°	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.6
65°	1.3	1.2	1.3	1.3	1.1	1.1	1.1	1.1	1.0	0.8	0.5
62.5°	2.3	2.6	2.0	2.0	2.0	1.9	1.8	1.7	1.6	1.5	1.6
60°	14.4	8.5	5.0	5.8	5.2	3.5	4.4	5.2	5.2	4.8	4.2
57.5°	79.7	59.5	44.1	105.3	105.6	50.4	60.7	95.4	78.6	25.8	24.0
55°	221.8	265.4	349.3	331.7	337.1	387.8	423.4	374.8	367.5	391.5	452.3
52.5°	398.6	440.1	468.3	494.7	526.8	561.3	596.9	619.5	640.7	663.2	676.7
50°	509.0	567.4	607.6	592.8	675.9	709.9	675.4	706.3	744.0	754.2	759.1
47.5°	751.6	837.3	854.3	909.5	959.1	958.0	915.9	918.4	1030.4	1129.3	1177.9
45°	1080.2	1083.1	1136.9	1234.4	1304.1	1282.2	1341.0	1474.6	1519.2	1562.2	1597.5
42.5°	1208.1	1261.2	1347.2	1433.4	1485.3	1530.4	1573.9	1623.1	1680.9	1727.7	1765.2
40°	1332.1	1374.8	1462.9	1532.3	1575.3	1617.4	1668.1	1722.5	1775.4	1816.6	1844.7
37.5°	1522.9	1556.0	1577.4	1641.8	1723.2	1685.7	1781.9	1850.9	1882.5	1924.3	1928.1
35°	1811.4	1789.4	1760.8	2017.4	2032.7	1946.1	2036.1	2143.1	2086.7	2204.2	2267.3
32.5°	2067.3	2064.0	2287.9	2422.8	2345.1	2408.5	2616.0	2606.8	2745.2	2809.3	2791.0
30°	2308.3	2390.6	2520.0	2620.5	2633.9	2733.8	2825.9	2906.7	2990.2	3065.1	3070.2
27.5°	2430.7	2538.0	2625.9	2684.0	2748.9	2832.9	2916.6	3007.5	3078.5	3125.4	3136.9
25°	2504.7	2614.3	2680.9	2743.5	2815.0	2887.6	2981.2	3080.2	3137.2	3166.2	3175.4
22.5°	2569.9	2668.5	2740.0	2790.8	2867.8	2945.9	3033.2	3116.9	3179.0	3191.6	3196.2
20°	2632.8	2727.4	2846.9	2921.6	2917.9	3005.8	3089.9	3156.6	3208.3	3208.0	3209.2
17.5°	2814.5	2848.3	3065.1	3229.8	3148.3	3105.3	3336.6	3341.0	3354.7	3327.4	3268.2
15°	3083.5	3145.1	3411.5	3590.0	3533.8	3530.8	3865.0	3782.1	3853.4	3834.8	3915.1
12.5°	3368.5	3441.4	3640.5	3815.8	3899.2	3919.8	4031.4	4136.0	4157.5	4149.0	4133.2
10°	3562.7	3666.5	3746.4	3852.8	3937.0	4023.0	4087.6	4162.7	4187.3	4173.1	4153.0
7.5°	3588.0	3690.5	3784.4	3877.8	3958.0	4027.2	4094.3	4155.4	4180.5	4172.2	4158.4
5°	3604.0	3697.0	3788.0	3882.7	3959.4	4023.5	4090.4	4152.3	4167.1	4157.2	4143.7
2.5°	3613.9	3700.0	3787.7	3882.0	3951.7	4012.7	4080.4	4146.5	4146.4	4142.0	4134.1
0°	3618.8	3705.0	3806.9	3892.2	3970.2	4028.0	4095.0	4159.2	4154.6	4142.7	4128.9
-2.5°	3629.1	3716.5	3820.4	3891.1	3979.1	4032.0	4101.2	4156.8	4154.7	4148.8	4142.0
-5°	3638.3	3736.6	3833.8	3908.1	3996.3	4065.6	4134.3	4177.8	4180.1	4172.0	4160.5
-7.5°	3643.9	3752.8	3845.6	3920.3	4005.8	4086.3	4156.1	4201.7	4202.7	4191.8	4178.1
-10°	3642.0	3757.0	3852.5	3929.7	4017.2	4096.7	4169.7	4227.6	4225.7	4215.4	4203.6
-12.5°	3635.2	3750.0	3848.1	3925.5	4024.9	4106.7	4188.8	4246.4	4249.5	4241.7	4229.0
-15°	3620.0	3738.6	3834.0	3918.6	4016.0	4111.6	4196.0	4259.5	4270.9	4264.5	4254.5
-17.5°	3590.1	3715.3	3816.5	3907.6	4001.1	4103.0	4199.0	4268.4	4283.9	4281.3	4273.1
-20°	3550.9	3680.0	3782.7	3878.2	3980.0	4085.0	4196.6	4260.1	4282.6	4284.0	4278.3



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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°	3506.8	3633.3	3742.2	3836.1	3946.4	4052.7	4153.8	4228.1	4265.9	4272.9	4273.4
-25°	3454.0	3583.9	3692.1	3792.1	3894.7	4004.5	4106.7	4189.6	4227.9	4246.2	4251.9
-27.5°	3379.3	3513.6	3620.1	3725.8	3830.2	3943.6	4051.0	4141.2	4172.3	4197.4	4207.5
-30°	3291.8	3424.6	3533.2	3629.8	3749.3	3864.9	3975.7	4054.4	4101.4	4130.1	4145.9
-32.5°	3191.2	3325.3	3439.3	3540.1	3653.7	3769.3	3873.6	3956.6	4021.3	4054.5	4071.3
-35°	3082.2	3219.1	3338.4	3444.6	3551.5	3661.7	3769.8	3856.6	3930.4	3958.9	3979.9
-37.5°	2950.6	3101.7	3224.0	3333.6	3435.1	3538.7	3651.2	3750.5	3822.2	3849.8	3872.0
-40°	2815.7	2961.7	3085.1	3202.0	3302.4	3415.5	3523.9	3628.0	3690.1	3722.3	3747.4
-42.5°	2673.4	2805.2	2922.5	3036.1	3147.9	3264.3	3372.6	3480.8	3534.6	3573.4	3604.2
-45°	2509.0	2631.6	2745.7	2851.9	2967.2	3081.7	3190.0	3285.6	3349.6	3400.2	3439.6
-47.5°	2289.8	2439.2	2553.7	2654.8	2769.0	2879.5	2984.5	3074.4	3144.6	3203.8	3249.5
-50°	2067.2	2210.7	2339.8	2453.3	2559.3	2661.5	2761.5	2849.4	2923.6	2987.7	3034.1
-52.5°	1848.0	1982.4	2110.6	2227.8	2329.6	2426.1	2517.5	2606.0	2684.2	2752.8	2797.6
-55°	1600.3	1739.5	1866.3	1975.6	2077.4	2172.8	2263.0	2346.9	2423.9	2493.8	2536.7
-57.5°	1367.9	1490.0	1608.0	1708.9	1805.0	1895.8	1981.4	2061.7	2135.9	2201.6	2243.0
-60°	1154.4	1243.4	1344.9	1438.0	1523.2	1600.5	1680.4	1755.3	1823.4	1881.2	1919.8
-62.5°	965.6	1039.4	1112.7	1183.5	1252.6	1322.1	1388.9	1451.0	1507.9	1555.3	1589.1
-65°	797.4	856.7	909.7	959.9	1007.8	1062.6	1113.4	1161.2	1205.4	1241.7	1267.5
-67.5°	656.6	698.3	734.9	769.3	807.1	845.8	882.1	913.7	940.7	962.2	979.2
-70°	529.5	560.1	587.8	615.2	642.8	667.9	691.9	715.2	737.3	755.3	768.8
-72.5°	414.7	435.6	454.4	475.6	495.4	514.5	531.1	544.5	554.9	565.0	573.9
-75°	316.2	331.9	353.1	371.0	385.9	398.9	411.0	421.6	431.0	439.4	446.7
-77.5°	254.3	267.7	281.2	294.2	306.9	316.3	325.0	333.7	342.3	349.7	356.2
-80°	188.5	198.4	208.9	219.3	229.8	235.0	239.1	243.0	246.4	250.8	254.9
-82.5°	115.2	120.9	126.7	132.5	138.4	139.9	140.4	140.3	139.5	137.9	135.5
-85°	51.3	51.6	51.4	50.8	49.8	47.8	45.3	42.5	39.3	38.8	38.1
-87.5°	11.3	11.1	10.7	10.4	10.0	10.0	9.9	9.8	9.8	10.1	10.4
-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):**

	-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	0.2
85°	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.6	0.8	0.8
82.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
80°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
77.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
75°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
72.5°	0.9	0.9	0.5	0.0	0.5	0.9	0.9	0.9	0.9	0.9	0.9
70°	0.9	0.9	0.5	0.0	0.5	0.9	0.9	0.9	0.9	0.9	0.9
67.5°	0.3	0.1	0.0	0.0	0.0	0.1	0.3	0.6	0.8	0.9	0.9
65°	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.8	1.0	1.1
62.5°	1.6	1.7	1.8	1.8	1.8	1.7	1.6	1.6	1.5	1.6	1.7
60°	3.3	2.1	1.8	1.8	1.8	2.1	3.3	4.2	4.8	5.2	5.2
57.5°	20.3	15.2	12.9	11.9	12.9	15.2	20.3	24.0	25.8	78.6	95.4
55°	495.9	521.1	540.0	548.7	540.0	521.1	495.9	452.3	391.5	367.5	374.8
52.5°	688.5	699.5	705.8	705.6	705.8	699.5	688.5	676.7	663.2	640.7	619.5
50°	767.4	772.8	774.7	773.5	774.7	772.8	767.4	759.1	754.2	744.0	706.3
47.5°	1133.6	1035.5	963.3	946.0	963.3	1035.5	1133.6	1177.9	1129.3	1030.4	918.4
45°	1614.4	1651.6	1688.7	1700.2	1688.7	1651.6	1614.4	1597.5	1562.2	1519.2	1474.6
42.5°	1781.0	1793.1	1800.0	1800.2	1800.0	1793.1	1781.0	1765.2	1727.7	1680.9	1623.1
40°	1860.4	1871.8	1878.5	1879.1	1878.5	1871.8	1860.4	1844.7	1816.6	1775.4	1722.5
37.5°	1932.6	1942.4	1948.8	1955.3	1948.8	1942.4	1932.6	1928.1	1924.3	1882.5	1850.9
35°	2258.8	2184.9	2078.7	2094.7	2078.7	2184.9	2258.8	2267.3	2204.2	2086.7	2143.1
32.5°	2819.6	2850.7	2870.1	2903.1	2870.1	2850.7	2819.6	2791.0	2809.3	2745.2	2606.8
30°	3078.4	3088.7	3104.2	3120.5	3104.2	3088.7	3078.4	3070.2	3065.1	2990.2	2906.7
27.5°	3143.0	3153.6	3163.0	3170.1	3163.0	3153.6	3143.0	3136.9	3125.4	3078.5	3007.5
25°	3176.8	3183.4	3193.4	3202.2	3193.4	3183.4	3176.8	3175.4	3166.2	3137.2	3080.2
22.5°	3193.5	3194.2	3202.0	3213.2	3202.0	3194.2	3193.5	3196.2	3191.6	3179.0	3116.9
20°	3205.0	3198.8	3206.9	3214.1	3206.9	3198.8	3205.0	3209.2	3208.0	3208.3	3156.6
17.5°	3351.7	3268.0	3233.7	3234.3	3233.7	3268.0	3351.7	3268.2	3327.4	3354.7	3341.0
15°	3824.9	3856.3	3976.7	4041.7	3976.7	3856.3	3824.9	3915.1	3834.8	3853.4	3782.1
12.5°	4130.3	4119.1	4104.9	4124.3	4104.9	4119.1	4130.3	4133.2	4149.0	4157.5	4136.0
10°	4144.4	4143.1	4117.7	4145.4	4117.7	4143.1	4144.4	4153.0	4173.1	4187.3	4162.7
7.5°	4135.8	4136.5	4125.7	4152.8	4125.7	4136.5	4135.8	4158.4	4172.2	4180.5	4155.4
5°	4141.5	4122.9	4129.9	4145.4	4129.9	4122.9	4141.5	4143.7	4157.2	4167.1	4152.3
2.5°	4125.5	4123.6	4109.8	4120.7	4109.8	4123.6	4125.5	4134.1	4142.0	4146.4	4146.5
0°	4113.3	4103.2	4103.2	4112.4	4103.2	4103.2	4113.3	4128.9	4142.7	4154.6	4159.2
-2.5°	4135.1	4132.9	4131.5	4125.2	4131.5	4132.9	4135.1	4142.0	4148.8	4154.7	4156.8
-5°	4152.8	4147.4	4132.4	4152.8	4132.4	4147.4	4152.8	4160.5	4172.0	4180.1	4177.8
-7.5°	4172.1	4158.1	4143.8	4175.7	4143.8	4158.1	4172.1	4178.1	4191.8	4202.7	4201.7
-10°	4189.6	4169.4	4155.6	4186.7	4155.6	4169.4	4189.6	4203.6	4215.4	4225.7	4227.6
-12.5°	4212.7	4189.2	4179.9	4196.8	4179.9	4189.2	4212.7	4229.0	4241.7	4249.5	4246.4
-15°	4237.4	4221.1	4218.9	4228.9	4218.9	4221.1	4237.4	4254.5	4264.5	4270.9	4259.5
-17.5°	4259.2	4247.7	4253.4	4264.7	4253.4	4247.7	4259.2	4273.1	4281.3	4283.9	4268.4
-20°	4269.5	4263.1	4269.4	4297.7	4269.4	4263.1	4269.5	4278.3	4284.0	4282.6	4260.1



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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°	4268.6	4269.0	4280.3	4289.5	4280.3	4269.0	4268.6	4273.4	4272.9	4265.9	4228.1
-25°	4252.4	4260.9	4273.8	4292.2	4273.8	4260.9	4252.4	4251.9	4246.2	4227.9	4189.6
-27.5°	4213.1	4227.3	4240.7	4260.1	4240.7	4227.3	4213.1	4207.5	4197.4	4172.3	4141.2
-30°	4156.3	4173.2	4185.2	4206.0	4185.2	4173.2	4156.3	4145.9	4130.1	4101.4	4054.4
-32.5°	4087.1	4106.3	4120.5	4135.3	4120.5	4106.3	4087.1	4071.3	4054.5	4021.3	3956.6
-35°	4000.7	4021.4	4036.5	4050.0	4036.5	4021.4	4000.7	3979.9	3958.9	3930.4	3856.6
-37.5°	3896.9	3919.2	3936.3	3951.8	3936.3	3919.2	3896.9	3872.0	3849.8	3822.2	3750.5
-40°	3776.0	3798.9	3817.2	3834.4	3817.2	3798.9	3776.0	3747.4	3722.3	3690.1	3628.0
-42.5°	3634.6	3657.7	3676.6	3694.0	3676.6	3657.7	3634.6	3604.2	3573.4	3534.6	3480.8
-45°	3471.3	3495.0	3515.0	3533.4	3515.0	3495.0	3471.3	3439.6	3400.2	3349.6	3285.6
-47.5°	3283.2	3308.6	3325.7	3334.3	3325.7	3308.6	3283.2	3249.5	3203.8	3144.6	3074.4
-50°	3067.6	3093.0	3113.6	3128.8	3113.6	3093.0	3067.6	3034.1	2987.7	2923.6	2849.4
-52.5°	2830.3	2854.5	2872.2	2882.9	2872.2	2854.5	2830.3	2797.6	2752.8	2684.2	2606.0
-55°	2570.5	2595.8	2612.6	2620.5	2612.6	2595.8	2570.5	2536.7	2493.8	2423.9	2346.9
-57.5°	2275.8	2299.9	2317.7	2327.8	2317.7	2299.9	2275.8	2243.0	2201.6	2135.9	2061.7
-60°	1949.8	1971.3	1984.8	1990.1	1984.8	1971.3	1949.8	1919.8	1881.2	1823.4	1755.3
-62.5°	1616.4	1636.7	1649.4	1654.3	1649.4	1636.7	1616.4	1589.1	1555.3	1507.9	1451.0
-65°	1286.7	1299.5	1306.5	1307.5	1306.5	1299.5	1286.7	1267.5	1241.7	1205.4	1161.2
-67.5°	992.6	1002.3	1008.2	1010.2	1008.2	1002.3	992.6	979.2	962.2	940.7	913.7
-70°	778.8	785.5	789.3	790.0	789.3	785.5	778.8	768.8	755.3	737.3	715.2
-72.5°	580.7	585.5	583.8	579.9	583.8	585.5	580.7	573.9	565.0	554.9	544.5
-75°	453.0	458.3	456.1	452.3	456.1	458.3	453.0	446.7	439.4	431.0	421.6
-77.5°	361.9	366.7	364.3	360.6	364.3	366.7	361.9	356.2	349.7	342.3	333.7
-80°	258.4	261.2	263.3	264.3	263.3	261.2	258.4	254.9	250.8	246.4	243.0
-82.5°	132.3	128.4	125.9	122.9	125.9	128.4	132.3	135.5	137.9	139.5	140.3
-85°	37.4	36.5	37.1	37.6	37.1	36.5	37.4	38.1	38.8	39.3	42.5
-87.5°	10.7	11.0	11.0	11.0	11.0	11.0	10.7	10.4	10.1	9.8	9.8
-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°	0.4	0.6	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.6
85°	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
82.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
80°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
77.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
75°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
72.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
70°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.0
67.5°	0.9	0.9	0.9	0.9	0.9	0.9	1.0	0.9	0.9	0.9	1.1
65°	1.1	1.1	1.1	1.3	1.3	1.2	1.3	1.3	1.3	1.2	1.2
62.5°	1.8	1.9	2.0	2.0	2.0	2.6	2.3	2.3	2.2	2.6	3.5
60°	4.4	3.5	5.2	5.8	5.0	8.5	14.4	13.0	3.9	20.8	24.0
57.5°	60.7	50.4	105.6	105.3	44.1	59.5	79.7	52.5	34.3	58.9	77.8
55°	423.4	387.8	337.1	331.7	349.3	265.4	221.8	213.5	167.1	108.6	129.1
52.5°	596.9	561.3	526.8	494.7	468.3	440.1	398.6	353.7	339.4	273.3	210.8
50°	675.4	709.9	675.9	592.8	607.6	567.4	509.0	461.3	471.1	430.7	347.2
47.5°	915.9	958.0	959.1	909.5	854.3	837.3	751.6	602.7	612.7	611.0	522.6
45°	1341.0	1282.2	1304.1	1234.4	1136.9	1083.1	1080.2	920.9	773.5	749.5	740.9
42.5°	1573.9	1530.4	1485.3	1433.4	1347.2	1261.2	1208.1	1118.6	1000.0	895.0	857.8
40°	1668.1	1617.4	1575.3	1532.3	1462.9	1374.8	1332.1	1214.5	1125.3	1034.5	1004.2
37.5°	1781.9	1685.7	1723.2	1641.8	1577.4	1556.0	1522.9	1400.4	1202.9	1186.3	1170.9
35°	2036.1	1946.1	2032.7	2017.4	1760.8	1789.4	1811.4	1661.0	1454.2	1342.0	1344.5
32.5°	2616.0	2408.5	2345.1	2422.8	2287.9	2064.0	2067.3	2021.5	1739.2	1576.0	1504.6
30°	2825.9	2733.8	2633.9	2620.5	2520.0	2390.6	2308.3	2198.2	1992.8	1806.5	1684.2
27.5°	2916.6	2832.9	2748.9	2684.0	2625.9	2538.0	2430.7	2301.4	2155.2	1988.3	1869.4
25°	2981.2	2887.6	2815.0	2743.5	2680.9	2614.3	2504.7	2378.8	2242.4	2107.8	1980.1
22.5°	3033.2	2945.9	2867.8	2790.8	2740.0	2668.5	2569.9	2439.9	2348.4	2262.8	2096.8
20°	3089.9	3005.8	2917.9	2921.6	2846.9	2727.4	2632.8	2568.0	2555.5	2459.2	2244.9
17.5°	3336.6	3105.3	3148.3	3229.8	3065.1	2848.3	2814.5	2818.1	2778.3	2688.9	2422.4
15°	3865.0	3530.8	3533.8	3590.0	3411.5	3145.1	3083.5	3076.0	3013.4	2914.4	2609.8
12.5°	4031.4	3919.8	3899.2	3815.8	3640.5	3441.4	3368.5	3329.0	3214.2	3022.7	2744.6
10°	4087.6	4023.0	3937.0	3852.8	3746.4	3666.5	3562.7	3419.2	3256.1	3071.4	2845.1
7.5°	4094.3	4027.2	3958.0	3877.8	3784.4	3690.5	3588.0	3445.3	3287.7	3106.5	2915.9
5°	4090.4	4023.5	3959.4	3882.7	3788.0	3697.0	3604.0	3463.0	3309.0	3129.4	2962.4
2.5°	4080.4	4012.7	3951.7	3882.0	3787.7	3700.0	3613.9	3481.9	3324.3	3148.4	2978.0
0°	4095.0	4028.0	3970.2	3892.2	3806.9	3705.0	3618.8	3501.3	3331.6	3160.9	2983.8
-2.5°	4101.2	4032.0	3979.1	3891.1	3820.4	3716.5	3629.1	3515.6	3345.5	3183.0	2998.0
-5°	4134.3	4065.6	3996.3	3908.1	3833.8	3736.6	3638.3	3521.5	3355.9	3195.0	3004.4
-7.5°	4156.1	4086.3	4005.8	3920.3	3845.6	3752.8	3643.9	3522.0	3365.4	3194.8	3007.5
-10°	4169.7	4096.7	4017.2	3929.7	3852.5	3757.0	3642.0	3519.0	3363.4	3187.4	3000.7
-12.5°	4188.8	4106.7	4024.9	3925.5	3848.1	3750.0	3635.2	3511.9	3349.0	3173.4	2983.5
-15°	4196.0	4111.6	4016.0	3918.6	3834.0	3738.6	3620.0	3491.1	3323.9	3151.9	2955.5
-17.5°	4199.0	4103.0	4001.1	3907.6	3816.5	3715.3	3590.1	3453.0	3291.6	3114.0	2918.5
-20°	4196.6	4085.0	3980.0	3878.2	3782.7	3680.0	3550.9	3415.1	3245.5	3064.8	2870.6



REPORT NUMBER: P645387 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA2D-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°	4153.8	4052.7	3946.4	3836.1	3742.2	3633.3	3506.8	3366.3	3185.6	3010.8	2809.5
-25°	4106.7	4004.5	3894.7	3792.1	3692.1	3583.9	3454.0	3294.7	3123.0	2941.2	2735.5
-27.5°	4051.0	3943.6	3830.2	3725.8	3620.1	3513.6	3379.3	3218.8	3053.5	2854.7	2655.1
-30°	3975.7	3864.9	3749.3	3629.8	3533.2	3424.6	3291.8	3135.9	2958.5	2762.2	2572.2
-32.5°	3873.6	3769.3	3653.7	3540.1	3439.3	3325.3	3191.2	3036.5	2850.2	2664.6	2466.9
-35°	3769.8	3661.7	3551.5	3444.6	3338.4	3219.1	3082.2	2913.7	2735.7	2551.8	2346.7
-37.5°	3651.2	3538.7	3435.1	3333.6	3224.0	3101.7	2950.6	2787.9	2614.3	2412.1	2216.9
-40°	3523.9	3415.5	3302.4	3202.0	3085.1	2961.7	2815.7	2657.6	2466.7	2266.8	2083.3
-42.5°	3372.6	3264.3	3147.9	3036.1	2922.5	2805.2	2673.4	2502.2	2313.0	2124.5	1933.9
-45°	3190.0	3081.7	2967.2	2851.9	2745.7	2631.6	2509.0	2326.5	2139.7	1960.0	1777.1
-47.5°	2984.5	2879.5	2769.0	2654.8	2553.7	2439.2	2289.8	2120.1	1954.7	1783.8	1596.6
-50°	2761.5	2661.5	2559.3	2453.3	2339.8	2210.7	2067.2	1919.1	1755.4	1579.9	1408.9
-52.5°	2517.5	2426.1	2329.6	2227.8	2110.6	1982.4	1848.0	1690.8	1527.4	1378.4	1222.9
-55°	2263.0	2172.8	2077.4	1975.6	1866.3	1739.5	1600.3	1457.3	1323.9	1186.2	1067.5
-57.5°	1981.4	1895.8	1805.0	1708.9	1608.0	1490.0	1367.9	1246.6	1141.0	1033.9	926.3
-60°	1680.4	1600.5	1523.2	1438.0	1344.9	1243.4	1154.4	1064.8	975.3	889.8	803.1
-62.5°	1388.9	1322.1	1252.6	1183.5	1112.7	1039.4	965.6	896.5	825.8	753.4	689.6
-65°	1113.4	1062.6	1007.8	959.9	909.7	856.7	797.4	743.2	691.8	638.8	584.5
-67.5°	882.1	845.8	807.1	769.3	734.9	698.3	656.6	612.8	572.1	532.8	492.8
-70°	691.9	667.9	642.8	615.2	587.8	560.1	529.5	497.2	464.6	435.1	407.0
-72.5°	531.1	514.5	495.4	475.6	454.4	435.6	414.7	392.9	370.8	348.4	327.2
-75°	411.0	398.9	385.9	371.0	353.1	331.9	316.2	305.5	292.2	275.9	258.2
-77.5°	325.0	316.3	306.9	294.2	281.2	267.7	254.3	241.1	228.1	215.8	204.5
-80°	239.1	235.0	229.8	219.3	208.9	198.4	188.5	180.4	172.8	164.5	154.2
-82.5°	140.4	139.9	138.4	132.5	126.7	120.9	115.2	109.6	103.6	97.3	90.9
-85°	45.3	47.8	49.8	50.8	51.4	51.6	51.3	49.8	48.1	46.1	43.9
-87.5°	9.9	10.0	10.0	10.4	10.7	11.1	11.3	11.9	12.3	12.7	13.0
-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: P645387 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA2D-740-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°	0.6	0.6	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.5	0.5
85°	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.9	0.9	0.9
82.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.1	1.4	1.4
80°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.2	1.4	1.6
77.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.2	1.4	1.6
75°	0.9	0.9	0.9	0.9	1.0	0.9	0.9	1.0	1.2	1.4	1.6
72.5°	0.9	0.9	0.9	1.0	1.1	1.2	1.0	1.0	1.2	1.4	1.6
70°	1.0	0.9	0.9	1.0	1.3	1.5	1.4	1.4	1.3	1.5	1.7
67.5°	1.3	1.4	1.2	1.2	1.3	1.5	1.7	2.0	2.0	1.5	1.7
65°	1.4	1.6	1.9	2.6	2.3	1.6	1.8	3.6	2.8	2.4	1.7
62.5°	3.0	1.7	5.8	7.7	4.4	3.4	2.7	8.0	5.0	3.4	2.4
60°	7.2	5.9	16.1	25.9	18.1	6.1	8.9	13.8	12.7	4.4	3.4
57.5°	67.3	23.1	33.5	48.5	47.6	25.9	18.9	25.1	21.6	12.5	4.9
55°	143.7	120.9	79.8	73.1	78.9	63.7	41.5	40.7	33.4	23.1	7.9
52.5°	197.1	205.7	179.0	125.0	108.9	103.7	81.0	59.1	52.4	34.7	20.1
50°	285.3	265.7	263.0	220.8	152.7	138.2	119.6	92.3	73.6	49.7	34.0
47.5°	403.0	354.0	328.0	309.1	243.6	176.2	156.9	126.1	96.9	71.6	48.5
45°	575.9	457.6	407.3	376.6	333.9	247.8	196.4	159.1	126.3	96.1	63.7
42.5°	749.5	591.6	497.9	448.2	403.8	328.7	238.6	197.0	154.9	121.1	83.0
40°	902.8	729.8	593.0	529.1	472.4	406.8	306.9	237.7	182.9	146.7	104.9
37.5°	1087.3	887.2	702.6	614.0	545.5	472.0	376.3	280.2	216.7	173.7	126.9
35°	1265.8	1090.9	825.1	716.5	626.9	538.9	443.0	330.3	258.1	201.0	148.9
32.5°	1457.5	1282.4	1010.2	831.0	711.2	607.2	505.5	391.3	299.8	228.7	170.8
30°	1608.4	1408.6	1172.6	945.5	802.9	683.5	567.8	449.8	341.6	256.7	192.9
27.5°	1688.4	1517.7	1300.7	1073.2	906.0	761.8	632.0	505.8	383.3	287.4	215.9
25°	1771.1	1594.6	1392.4	1184.9	1007.9	844.6	696.0	559.1	428.8	322.1	238.6
22.5°	1870.1	1659.9	1469.6	1273.3	1113.0	928.5	763.0	613.1	474.4	356.0	261.0
20°	1969.4	1720.6	1545.9	1393.7	1216.1	1019.3	833.2	665.8	517.3	389.1	282.9
17.5°	2073.7	1830.8	1675.3	1511.2	1318.9	1107.3	902.3	716.8	557.6	421.2	304.2
15°	2255.3	1995.9	1805.7	1625.5	1421.1	1192.0	969.7	765.8	595.2	452.0	324.0
12.5°	2420.1	2149.5	1936.1	1736.1	1521.7	1272.7	1034.7	812.5	630.0	476.5	341.7
10°	2556.5	2292.0	2065.1	1842.2	1619.3	1348.9	1096.7	850.5	650.9	494.8	357.9
7.5°	2668.2	2423.7	2190.8	1943.1	1703.2	1398.7	1127.9	872.6	667.1	510.4	372.8
5°	2748.9	2511.5	2257.6	1978.3	1729.4	1419.1	1149.2	890.6	680.2	523.5	386.1
2.5°	2772.1	2538.5	2282.7	1997.6	1747.1	1432.4	1164.3	904.4	690.2	534.0	398.0
0°	2785.6	2556.3	2298.4	2009.4	1756.2	1438.7	1173.5	913.9	697.3	542.3	408.3
-2.5°	2804.5	2571.6	2313.6	2039.8	1762.2	1458.0	1178.7	920.1	706.3	545.3	414.3
-5°	2814.0	2577.6	2320.9	2060.3	1760.6	1469.4	1178.0	922.0	712.2	546.3	418.7
-7.5°	2809.8	2575.6	2321.2	2066.7	1752.7	1472.1	1171.7	920.0	714.5	545.5	421.5
-10°	2797.2	2565.1	2312.3	2050.2	1745.3	1461.7	1160.3	914.1	713.1	543.2	422.5
-12.5°	2777.9	2545.6	2294.2	2026.3	1730.0	1440.2	1146.8	904.1	707.4	539.4	421.8
-15°	2752.9	2517.2	2266.6	1996.0	1704.9	1411.7	1126.6	889.6	696.2	535.1	419.3
-17.5°	2720.8	2480.2	2229.6	1959.9	1669.5	1376.3	1099.5	870.6	682.2	529.9	414.2
-20°	2663.6	2430.4	2182.5	1919.0	1623.5	1334.4	1065.4	847.2	665.5	522.5	407.0



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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°	2599.2	2368.9	2123.7	1863.8	1568.2	1286.3	1024.1	819.5	646.2	512.9	398.4
-25°	2530.6	2299.6	2055.4	1787.4	1507.1	1235.4	982.7	787.4	624.5	501.0	388.3
-27.5°	2450.0	2221.0	1978.0	1703.3	1436.1	1176.3	943.0	758.9	603.5	486.7	376.9
-30°	2359.4	2128.7	1881.3	1613.5	1358.3	1108.0	898.5	728.5	585.8	471.2	364.1
-32.5°	2255.6	2027.0	1774.2	1521.6	1276.1	1035.5	849.4	696.0	565.2	454.7	352.3
-35°	2137.4	1908.7	1660.6	1423.0	1189.0	977.0	801.4	661.5	542.0	436.9	339.9
-37.5°	2014.3	1781.6	1547.0	1319.9	1096.5	913.6	758.2	627.5	516.0	417.9	326.2
-40°	1873.7	1651.0	1427.8	1213.8	1016.3	845.6	711.5	593.8	491.5	397.6	311.2
-42.5°	1728.9	1513.9	1303.5	1101.5	937.2	790.1	662.6	557.7	465.5	378.0	294.9
-45°	1572.8	1369.2	1171.4	1006.8	856.7	731.4	619.7	520.2	437.9	357.9	278.1
-47.5°	1408.1	1216.7	1051.2	908.2	788.3	672.5	574.2	487.7	408.9	336.4	261.3
-50°	1233.6	1074.6	940.5	822.5	714.5	619.4	528.8	453.7	382.3	312.6	243.6
-52.5°	1079.0	951.6	840.7	739.6	649.5	563.6	489.7	418.8	354.8	289.9	225.1
-55°	946.5	842.1	748.5	664.4	585.1	515.7	449.0	387.9	326.7	267.1	206.5
-57.5°	832.1	740.9	665.9	592.9	527.4	468.2	412.0	356.3	299.7	243.5	191.6
-60°	722.3	654.1	587.4	528.7	473.3	423.0	377.2	324.7	272.4	219.8	175.2
-62.5°	627.3	569.1	518.7	467.6	421.5	380.6	342.0	293.7	244.4	198.0	157.3
-65°	538.3	493.7	450.7	409.9	371.7	337.0	305.8	262.0	216.2	174.8	138.8
-67.5°	453.9	420.2	386.5	352.3	322.2	294.1	267.3	227.8	186.9	150.4	120.4
-70°	378.4	349.6	323.2	297.8	273.3	249.9	224.7	191.3	156.2	128.6	101.6
-72.5°	307.1	286.1	264.1	243.2	225.2	204.6	181.5	155.4	130.7	106.4	82.3
-75°	241.1	227.3	211.8	195.2	178.4	160.1	144.7	126.5	105.0	83.7	66.3
-77.5°	193.0	179.5	164.0	150.8	139.5	126.9	112.9	97.1	80.1	65.1	51.3
-80°	142.4	132.0	123.3	115.6	105.2	93.7	82.2	70.6	58.2	46.6	35.9
-82.5°	86.8	84.6	82.2	78.6	69.9	61.4	53.0	44.8	36.0	27.9	23.1
-85°	43.5	42.6	41.3	39.4	34.1	28.9	26.4	24.0	21.0	18.2	15.4
-87.5°	14.3	15.4	16.2	16.9	15.7	14.4	13.2	12.0	10.5	9.1	7.7
-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):**

	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°	0.5	0.4	0.3	0.2	0.2	0.1	0.0
85°	0.9	0.8	0.6	0.5	0.3	0.2	0.0
82.5°	1.4	1.2	0.9	0.7	0.5	0.3	0.0
80°	1.8	1.6	1.2	0.9	0.6	0.4	0.0
77.5°	1.8	1.8	1.6	1.2	0.8	0.5	0.0
75°	1.8	1.9	1.8	1.4	0.9	0.6	0.0
72.5°	1.9	2.0	1.9	1.6	1.1	0.7	0.0
70°	1.9	2.0	2.0	1.8	1.3	0.8	0.0
67.5°	2.1	2.1	2.1	1.9	1.4	0.9	0.0
65°	2.4	2.4	2.2	2.0	1.6	1.0	0.0
62.5°	2.9	3.0	2.3	2.1	1.8	1.1	0.0
60°	3.4	3.7	2.4	2.2	1.9	1.2	0.0
57.5°	6.3	4.4	3.1	2.3	2.0	1.3	0.0
55°	10.0	5.2	3.9	2.4	2.1	1.4	0.0
52.5°	14.4	6.7	4.7	2.5	2.3	1.5	0.0
50°	19.4	11.4	5.5	2.7	2.4	1.6	0.0
47.5°	26.0	16.5	6.4	2.9	2.5	1.6	0.0
45°	39.3	21.9	7.3	3.6	2.6	1.7	0.0
42.5°	52.8	27.7	8.3	4.3	2.7	1.8	0.0
40°	66.7	33.8	11.1	5.2	2.8	1.9	0.0
37.5°	80.8	40.3	15.9	6.3	3.0	2.0	0.0
35°	95.2	50.0	20.8	7.5	3.1	2.1	0.0
32.5°	110.7	61.3	25.7	8.9	3.2	2.1	0.0
30°	128.5	72.5	30.7	10.3	3.3	2.2	0.0
27.5°	146.0	83.6	36.8	11.9	3.4	2.3	0.0
25°	163.0	94.5	43.1	13.5	3.6	2.3	0.0
22.5°	179.5	105.7	49.4	15.2	3.7	2.4	0.0
20°	195.5	117.6	55.6	16.9	3.8	2.5	0.0
17.5°	211.2	129.2	61.7	18.7	3.9	2.5	0.0
15°	226.4	140.3	67.6	20.5	4.0	2.6	0.0
12.5°	240.6	150.8	73.4	22.3	4.1	2.6	0.0
10°	253.8	160.8	78.9	24.1	4.2	2.7	0.0
7.5°	265.9	170.2	84.1	25.8	4.3	2.7	0.0
5°	276.8	178.8	88.9	27.4	4.4	2.7	0.0
2.5°	286.7	186.6	93.3	28.9	4.5	2.8	0.0
0°	295.4	193.6	97.3	30.3	4.6	2.8	0.0
-2.5°	299.7	198.0	101.0	32.3	5.3	3.0	0.0
-5°	302.9	201.5	104.1	34.1	6.0	3.1	0.0
-7.5°	304.9	204.0	106.7	35.7	6.7	3.2	0.0
-10°	305.8	205.6	108.6	37.1	7.4	3.4	0.0
-12.5°	305.7	206.2	109.9	38.3	8.0	3.5	0.0
-15°	304.5	205.9	110.6	39.2	8.6	3.6	0.0
-17.5°	302.2	204.7	110.5	39.9	9.1	3.7	0.0
-20°	298.8	202.5	109.7	40.3	9.7	3.8	0.0

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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	293.8	199.4	108.1	40.5	10.1	3.9	0.0
-25°	287.6	194.6	105.8	40.3	10.5	3.9	0.0
-27.5°	280.3	188.7	102.7	39.8	10.9	4.0	0.0
-30°	271.9	181.9	98.9	39.0	11.1	4.0	0.0
-32.5°	262.3	174.3	94.4	37.8	11.4	4.0	0.0
-35°	251.9	165.9	89.4	36.3	11.5	4.0	0.0
-37.5°	240.8	157.4	83.9	34.5	11.6	4.0	0.0
-40°	228.8	149.8	77.9	32.4	11.6	3.9	0.0
-42.5°	215.9	141.6	73.4	30.0	11.5	3.9	0.0
-45°	202.3	132.9	70.2	27.7	11.4	3.8	0.0
-47.5°	187.9	123.7	66.6	25.0	11.2	3.7	0.0
-50°	175.8	114.0	62.4	24.1	10.9	3.6	0.0
-52.5°	163.7	103.8	57.6	23.6	10.6	3.5	0.0
-55°	151.2	96.1	52.3	22.9	10.2	3.3	0.0
-57.5°	138.2	88.3	46.6	21.9	9.7	3.2	0.0
-60°	125.0	79.7	40.5	20.7	9.1	3.0	0.0
-62.5°	112.9	70.5	37.6	19.2	8.6	2.8	0.0
-65°	100.0	60.7	34.3	17.5	8.0	2.6	0.0
-67.5°	86.2	52.5	30.7	15.6	7.3	2.4	0.0
-70°	71.7	45.9	26.7	13.6	6.6	2.1	0.0
-72.5°	60.7	38.9	22.4	11.9	5.9	1.9	0.0
-75°	49.6	31.4	17.8	10.4	5.1	1.6	0.0
-77.5°	38.0	23.6	14.7	8.8	4.3	1.4	0.0
-80°	26.0	18.0	11.9	7.1	3.5	1.1	0.0
-82.5°	19.1	13.6	9.0	5.3	2.6	0.8	0.0
-85°	12.8	9.1	6.0	3.6	1.8	0.6	0.0
-87.5°	6.4	4.6	3.0	1.8	0.9	0.3	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)