

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: P645517 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA5C-735-U-LAM-VSR-XX

Issue Date: 2/28/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P645517 (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-SA5C-735-U-LAM-VSR-XX  
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, LAMBERTIAN WITH VISOR  
Light Source: (80) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 21154.1 lumens  
Efficiency: N/A  
Efficacy: 102.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')

NEMA Type: 7H x 7V  
Max Intensity: 9021.7 candela  
Max Intensity Angle: 0°H x -20°V

Beam Angle (50%): 105.6°H x 93.7°V  
Beam Lumens: 16537 lumens  
Beam Efficiency: 78.2%

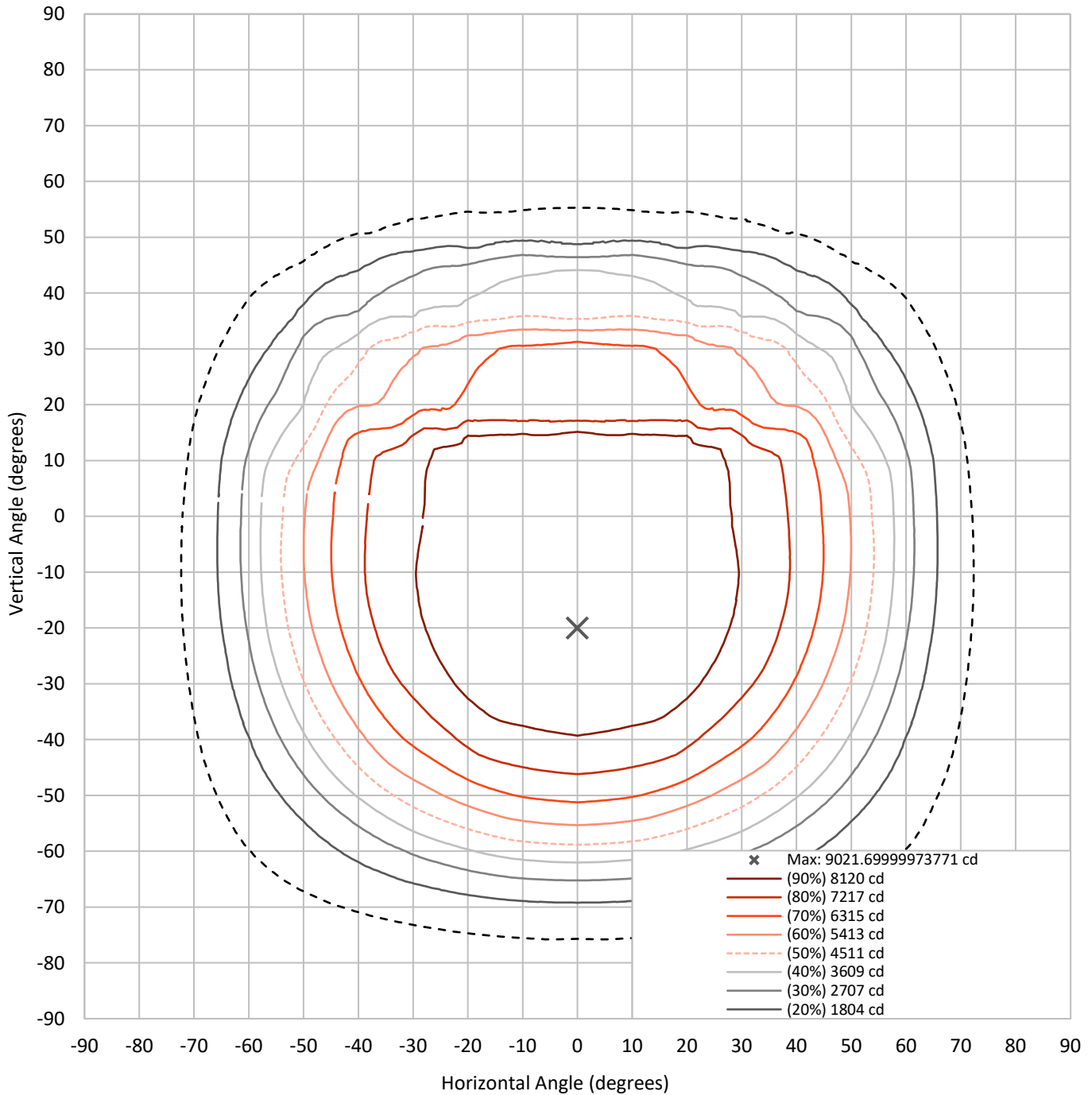
Field Angle (10%): 144°H x 131.2°V  
Field Lumens: 20734 lumens  
Field Efficiency: 98.0%

Input Watts (W): 206.1  
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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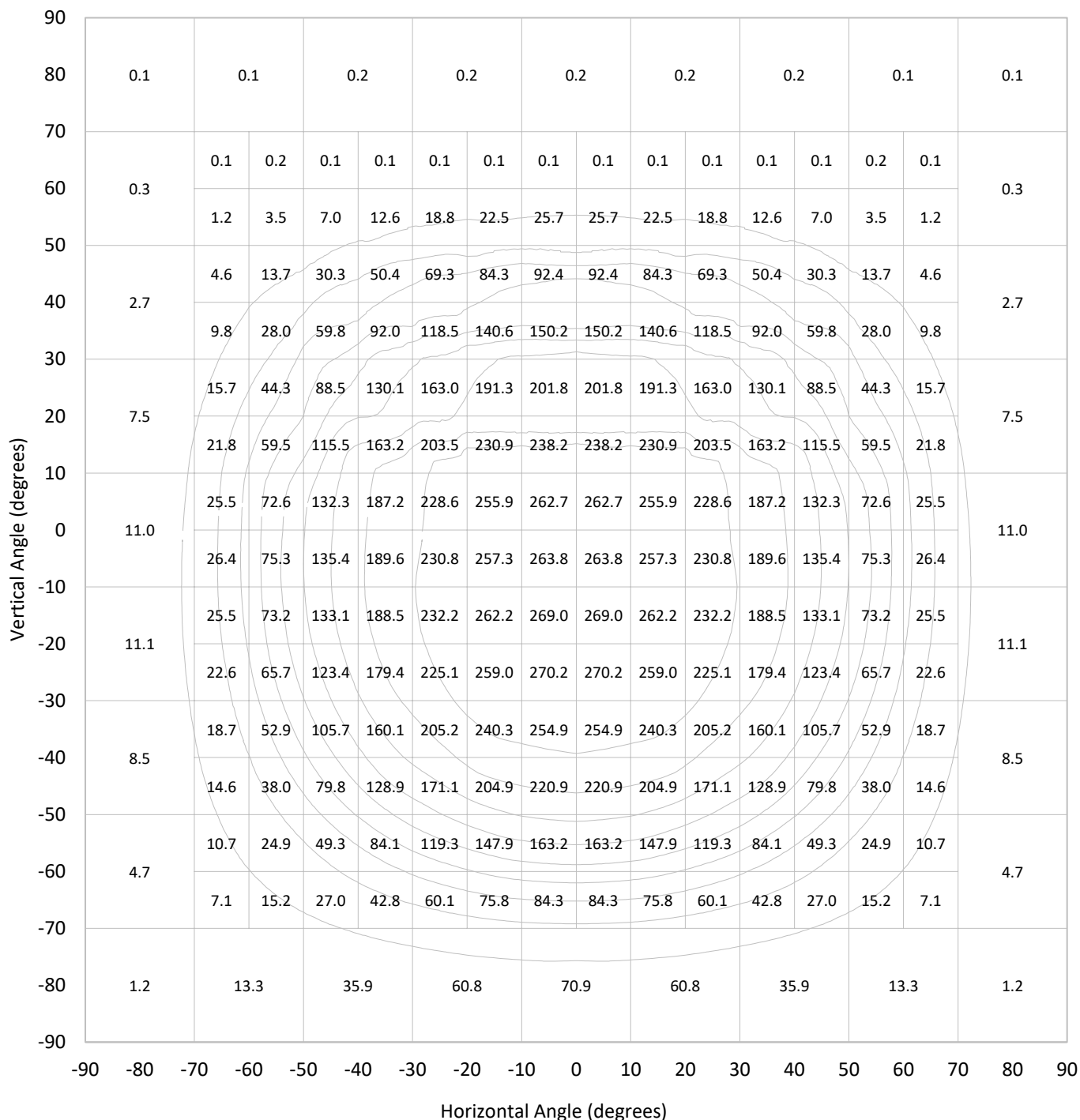
### Iso-Candela Plot





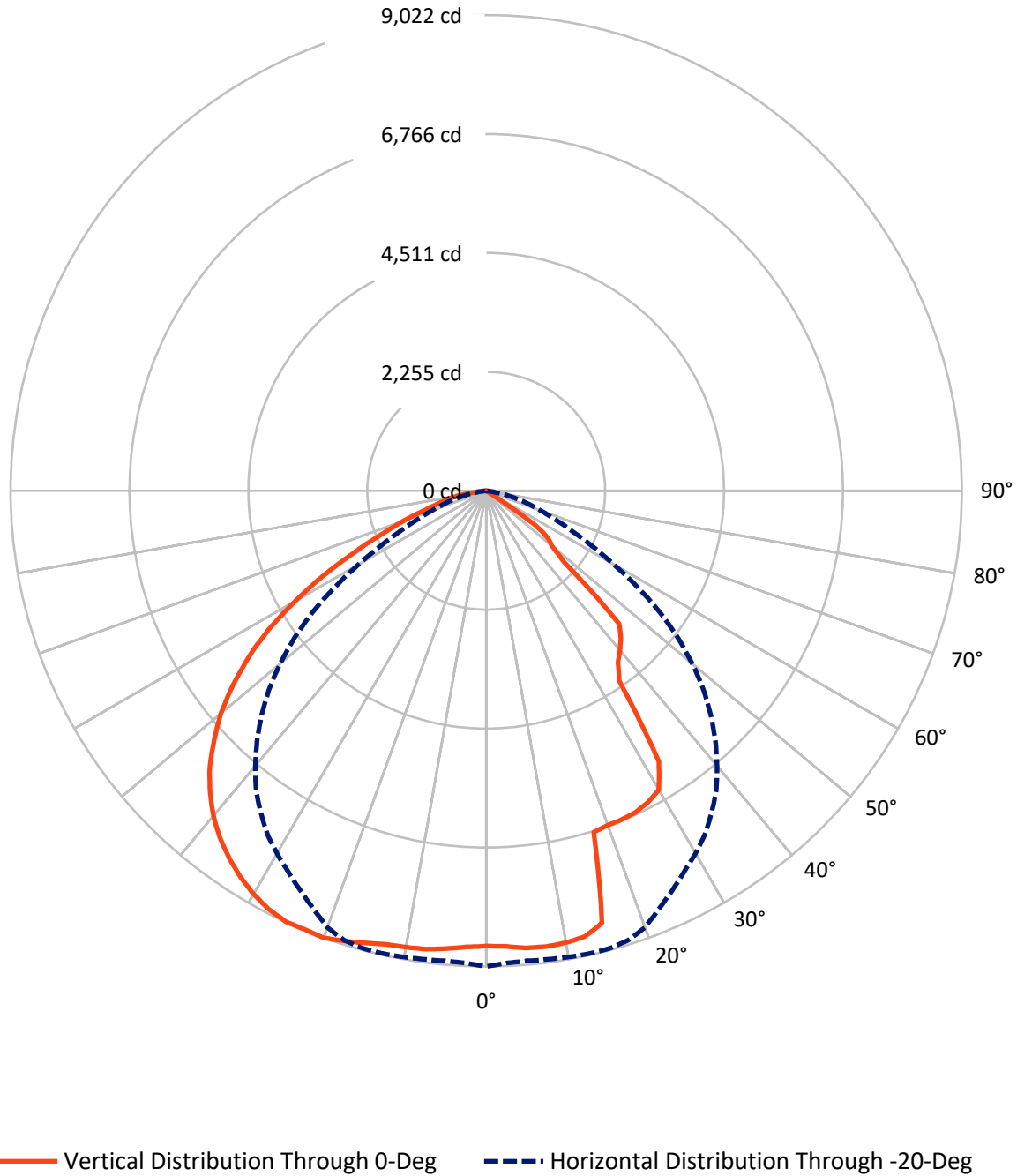
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### Lumen Table



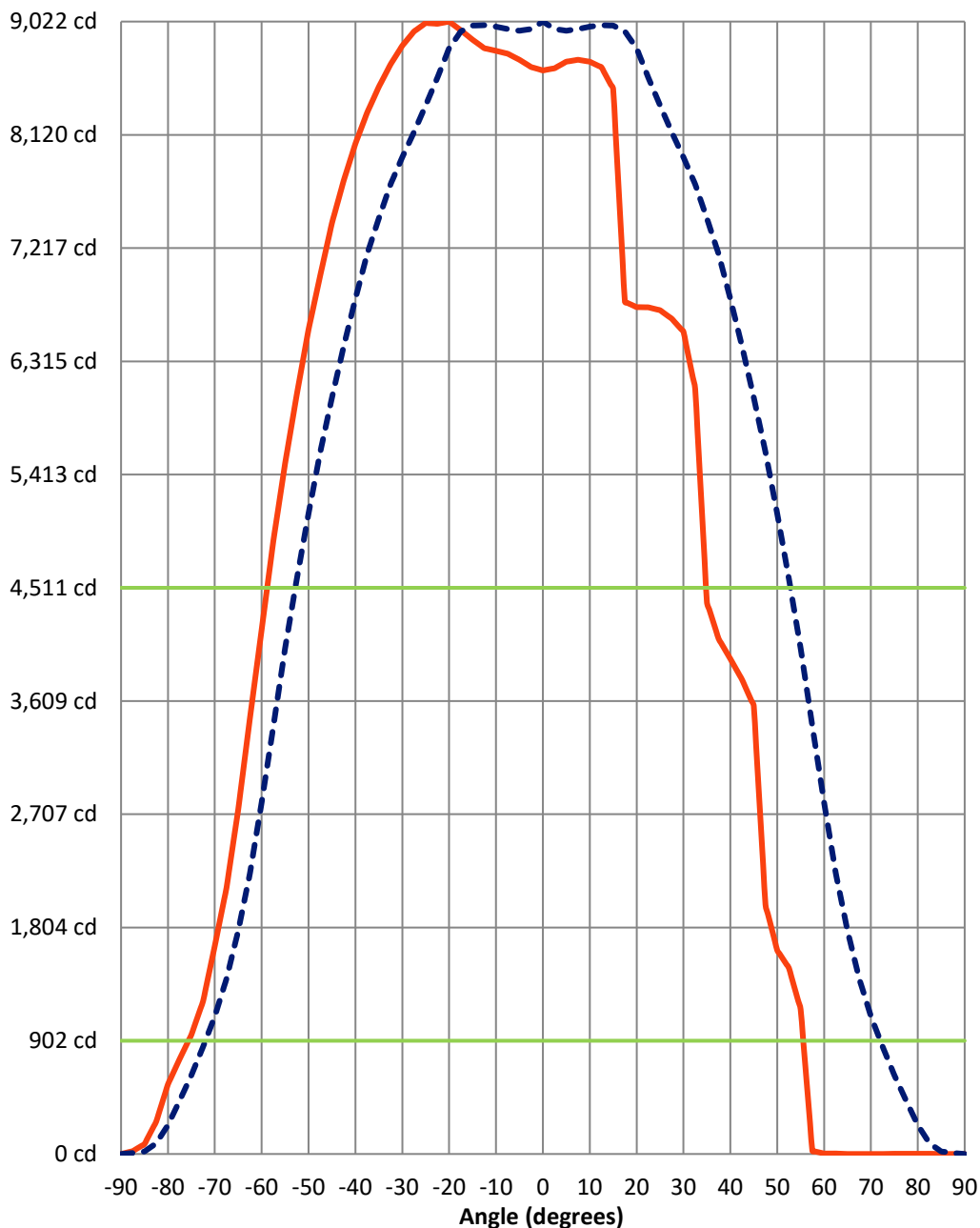
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CATALOG NUMBER: GFLD-SA5C-735-U-LAM-VSR-XX

### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 105.6°  
 V Angle: 93.7°  
 Lumens: 16537  
 Efficiency: 78.2%

**Field:**  
 H Angle: 144°  
 V Angle: 131.2°  
 Lumens: 20734  
 Efficiency: 98.0%

**Spill:**  
 Lumens: 420.1  
 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	0.2	0.3	0.5	0.7	0.8	1.0	1.0	1.0	0.9	0.8
85°	0.0	0.4	0.7	1.0	1.4	1.7	2.0	2.0	2.0	1.8	1.6
82.5°	0.0	0.6	1.0	1.5	2.0	2.5	3.0	3.1	2.9	2.4	1.9
80°	0.0	0.8	1.4	2.0	2.7	3.4	3.9	3.4	3.0	2.5	2.0
77.5°	0.0	1.1	1.7	2.5	3.4	3.9	3.9	3.5	3.0	2.5	2.0
75°	0.0	1.3	2.0	3.0	3.9	4.1	3.9	3.5	3.0	2.5	2.1
72.5°	0.0	1.5	2.4	3.5	4.1	4.2	4.0	3.6	3.1	2.6	2.1
70°	0.0	1.7	2.7	3.9	4.3	4.3	4.1	3.6	3.1	2.7	3.1
67.5°	0.0	1.9	3.1	4.1	4.5	4.5	4.6	3.7	3.2	4.3	4.4
65°	0.0	2.1	3.4	4.3	4.7	5.1	5.2	3.7	5.1	6.1	7.6
62.5°	0.0	2.3	3.8	4.5	4.9	6.4	6.1	5.2	7.2	10.6	16.8
60°	0.0	2.5	4.1	4.7	5.1	7.8	7.2	7.3	9.3	26.8	29.1
57.5°	0.0	2.7	4.4	4.9	6.6	9.3	13.2	10.3	26.2	45.4	52.8
55°	0.0	2.9	4.6	5.1	8.2	11.0	21.1	16.7	48.6	70.1	85.4
52.5°	0.0	3.1	4.8	5.3	9.9	14.1	30.2	42.2	72.9	110.0	123.9
50°	0.0	3.3	5.0	5.5	11.6	24.0	40.7	71.3	104.3	154.4	193.6
47.5°	0.0	3.4	5.2	6.0	13.5	34.6	54.7	101.8	150.2	203.4	264.8
45°	0.0	3.6	5.5	7.5	15.4	46.0	82.4	133.7	201.7	265.1	334.0
42.5°	0.0	3.8	5.7	9.0	17.4	58.1	110.9	174.2	254.1	325.2	413.7
40°	0.0	4.0	5.9	10.8	23.4	70.9	140.0	220.2	308.0	384.1	499.0
37.5°	0.0	4.1	6.2	13.1	33.4	84.5	169.6	266.4	364.6	454.9	588.1
35°	0.0	4.3	6.4	15.7	43.6	104.9	199.7	312.5	422.0	541.9	693.4
32.5°	0.0	4.5	6.7	18.5	54.0	128.7	232.4	358.5	480.2	629.3	821.4
30°	0.0	4.6	6.9	21.6	64.4	152.2	269.7	404.9	538.9	717.0	944.3
27.5°	0.0	4.8	7.2	24.9	77.2	175.5	306.3	453.2	603.4	804.6	1061.7
25°	0.0	4.9	7.4	28.3	90.4	198.4	342.1	501.0	676.1	900.2	1173.6
22.5°	0.0	5.0	7.7	31.9	103.6	221.7	376.8	548.0	747.4	995.7	1286.9
20°	0.0	5.1	7.9	35.5	116.6	246.8	410.3	594.0	816.9	1085.9	1397.5
17.5°	0.0	5.3	8.2	39.3	129.4	271.1	443.4	638.7	884.2	1170.5	1504.6
15°	0.0	5.4	8.4	43.0	141.9	294.4	475.3	680.3	948.8	1249.4	1607.5
12.5°	0.0	5.5	8.6	46.8	153.9	316.6	505.1	717.3	1000.3	1322.5	1705.4
10°	0.0	5.5	8.8	50.5	165.5	337.6	532.7	751.4	1038.8	1366.4	1785.2
7.5°	0.0	5.6	9.0	54.1	176.4	357.2	558.1	782.6	1071.5	1400.4	1831.7
5°	0.0	5.7	9.2	57.5	186.6	375.3	581.2	810.6	1098.8	1427.8	1869.6
2.5°	0.0	5.8	9.4	60.7	195.9	391.8	601.9	835.4	1120.9	1448.8	1898.5
0°	0.0	5.8	9.6	63.6	204.2	406.4	620.2	857.1	1138.3	1463.8	1918.4
-2.5°	0.0	6.1	11.1	67.7	212.0	415.7	629.3	869.7	1144.5	1482.7	1931.4
-5°	0.0	6.4	12.6	71.5	218.6	423.0	635.9	879.0	1146.7	1494.9	1935.5
-7.5°	0.0	6.7	14.0	74.9	223.9	428.3	640.1	884.7	1145.1	1499.9	1931.1
-10°	0.0	7.0	15.4	77.9	228.0	431.6	642.1	886.9	1140.2	1497.0	1918.9
-12.5°	0.0	7.3	16.7	80.4	230.7	433.0	641.7	885.4	1132.3	1484.9	1897.8
-15°	0.0	7.5	18.0	82.3	232.1	432.4	639.2	880.2	1123.3	1461.4	1867.3
-17.5°	0.0	7.7	19.2	83.8	231.9	429.8	634.5	869.6	1112.4	1431.9	1827.5
-20°	0.0	7.9	20.2	84.6	230.2	425.2	627.3	854.4	1096.9	1396.9	1778.5

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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	8.1	21.2	84.9	226.9	418.7	616.8	836.3	1076.6	1356.5	1720.2
-25°	0.0	8.2	22.0	84.5	222.1	408.7	603.9	815.1	1051.6	1310.9	1652.8
-27.5°	0.0	8.3	22.8	83.4	215.6	396.1	588.6	791.1	1021.7	1266.9	1593.1
-30°	0.0	8.4	23.4	81.7	207.5	381.8	570.8	764.4	989.1	1229.6	1529.3
-32.5°	0.0	8.4	23.8	79.3	198.1	365.8	550.7	739.6	954.6	1186.5	1461.0
-35°	0.0	8.4	24.1	76.2	187.6	348.2	528.9	713.6	917.2	1137.7	1388.7
-37.5°	0.0	8.3	24.3	72.4	176.0	330.5	505.5	684.8	877.1	1083.1	1317.1
-40°	0.0	8.2	24.3	67.9	163.4	314.4	480.3	653.3	834.5	1031.6	1246.6
-42.5°	0.0	8.1	24.2	63.0	153.9	297.2	453.3	619.1	793.3	977.2	1170.6
-45°	0.0	8.0	23.9	58.1	147.4	278.9	424.6	583.8	751.2	919.2	1091.8
-47.5°	0.0	7.8	23.5	52.5	139.7	259.6	394.3	548.4	706.1	858.3	1023.7
-50°	0.0	7.5	22.9	50.6	130.9	239.2	369.0	511.3	656.2	802.4	952.3
-52.5°	0.0	7.2	22.2	49.6	120.9	217.8	343.7	472.5	608.5	744.8	879.2
-55°	0.0	6.9	21.3	48.0	109.8	201.7	317.3	433.3	560.6	685.7	814.2
-57.5°	0.0	6.6	20.3	46.0	97.7	185.3	290.0	402.1	511.0	629.0	747.8
-60°	0.0	6.2	19.1	43.4	85.0	167.4	262.3	367.7	461.4	571.8	681.4
-62.5°	0.0	5.8	18.0	40.3	79.0	148.1	237.0	330.2	415.6	513.0	616.5
-65°	0.0	5.4	16.7	36.7	72.1	127.4	209.9	291.3	366.9	453.9	550.0
-67.5°	0.0	4.9	15.3	32.8	64.4	110.1	181.0	252.7	315.8	392.3	478.2
-70°	0.0	4.5	13.9	28.5	56.0	96.4	150.6	213.2	269.9	327.8	401.7
-72.5°	0.0	4.0	12.3	25.1	47.0	81.6	127.4	172.9	223.3	274.5	326.2
-75°	0.0	3.4	10.7	21.8	37.4	65.9	104.2	139.3	175.8	220.4	265.6
-77.5°	0.0	2.9	9.0	18.4	30.9	49.4	79.8	107.7	136.7	168.1	203.9
-80°	0.0	2.3	7.3	14.8	25.0	37.7	54.4	75.4	97.9	122.2	148.4
-82.5°	0.0	1.8	5.5	11.2	18.9	28.5	40.0	48.4	58.5	75.6	94.1
-85°	0.0	1.2	3.7	7.5	12.7	19.1	26.8	32.4	38.1	44.1	50.4
-87.5°	0.0	0.6	1.8	3.8	6.3	9.6	13.4	16.2	19.1	22.1	25.2
-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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 CATALOG NUMBER: GFLD-SA5C-735-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°	0.9	0.9	1.0	1.1	1.2	1.2	1.3	1.3	1.4	1.5	1.5
85°	1.8	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
82.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
80°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
77.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
75°	1.9	1.9	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9
72.5°	2.2	2.5	2.4	2.1	1.9	1.9	1.9	1.9	1.9	1.9	1.9
70°	3.0	3.1	2.7	2.2	1.9	2.0	2.2	2.1	1.9	1.9	1.9
67.5°	3.8	3.3	2.8	2.6	2.7	2.9	2.8	2.4	1.9	1.9	2.0
65°	3.8	3.4	4.8	5.5	4.1	3.4	3.0	2.5	2.6	2.8	2.8
62.5°	5.8	7.2	9.2	16.3	12.2	3.6	6.4	7.5	5.5	4.6	4.9
60°	18.8	12.8	38.0	54.4	34.0	12.4	15.1	50.3	43.6	8.0	27.2
57.5°	39.5	54.2	100.0	101.8	70.4	48.6	141.3	163.2	123.5	72.1	110.2
55°	87.1	133.8	165.8	153.4	167.5	253.8	301.5	270.9	228.0	350.8	448.2
52.5°	170.1	217.8	228.6	262.5	375.7	431.7	413.7	442.4	573.8	712.5	742.6
50°	251.1	290.1	320.5	463.4	552.1	557.7	598.9	728.9	904.1	989.0	968.5
47.5°	329.4	369.8	511.4	648.7	688.6	743.1	846.0	1097.1	1282.6	1286.2	1265.2
45°	412.3	520.1	700.9	790.5	855.0	960.5	1208.9	1555.3	1573.3	1623.6	1933.2
42.5°	500.8	689.9	847.6	940.8	1045.0	1241.9	1573.4	1800.7	1878.8	2099.1	2348.1
40°	644.3	853.8	991.6	1110.7	1244.8	1532.0	1895.1	2108.0	2171.6	2362.3	2549.4
37.5°	789.8	990.8	1145.1	1288.8	1474.7	1862.3	2282.5	2458.0	2490.2	2525.1	2939.7
35°	930.0	1131.2	1316.0	1504.0	1732.0	2289.9	2657.1	2822.3	2817.2	3052.5	3486.7
32.5°	1061.0	1274.7	1492.9	1744.3	2120.5	2692.1	3059.5	3158.4	3308.3	3650.8	4243.5
30°	1191.9	1434.8	1685.3	1984.9	2461.5	2956.9	3376.3	3535.3	3792.2	4183.2	4614.5
27.5°	1326.7	1599.0	1901.9	2252.9	2730.5	3186.0	3544.2	3924.2	4173.8	4524.1	4830.9
25°	1461.0	1772.8	2115.8	2487.3	2922.9	3347.3	3717.9	4156.7	4424.7	4707.1	4993.4
22.5°	1601.7	1949.1	2336.4	2673.0	3085.0	3484.5	3925.6	4401.6	4750.0	4929.5	5121.7
20°	1749.0	2139.7	2552.8	2925.7	3245.1	3611.9	4134.2	4712.5	5162.4	5364.3	5390.7
17.5°	1894.0	2324.5	2768.6	3172.3	3516.7	3843.3	4353.2	5085.0	5644.4	5832.2	5915.7
15°	2035.5	2502.1	2983.2	3412.2	3790.4	4189.7	4734.2	5478.4	6118.0	6325.7	6457.1
12.5°	2172.0	2671.6	3194.3	3644.2	4064.2	4512.2	5080.2	5761.5	6345.2	6747.1	6988.2
10°	2302.1	2831.5	3399.2	3866.9	4335.0	4811.2	5366.5	5972.3	6447.5	6835.2	7177.4
7.5°	2367.7	2936.1	3575.3	4078.9	4598.9	5087.6	5600.9	6121.0	6521.2	6901.4	7232.3
5°	2412.3	2979.0	3630.3	4152.7	4739.2	5272.0	5770.4	6218.6	6569.3	6946.1	7269.3
2.5°	2444.2	3006.9	3667.5	4193.2	4791.8	5328.7	5819.2	6251.3	6609.0	6978.2	7309.1
0°	2463.4	3020.1	3686.5	4218.1	4824.8	5366.0	5847.6	6263.6	6635.3	6993.6	7349.9
-2.5°	2474.3	3060.5	3699.1	4282.0	4856.7	5398.2	5887.3	6293.3	6681.8	7022.7	7379.9
-5°	2472.9	3084.6	3695.8	4325.0	4871.9	5410.7	5907.1	6306.8	6707.0	7044.5	7392.1
-7.5°	2459.5	3090.2	3679.1	4338.4	4872.6	5406.5	5898.4	6313.2	6706.6	7064.5	7393.3
-10°	2435.6	3068.3	3663.7	4303.6	4853.9	5384.6	5871.7	6299.1	6690.9	7060.5	7386.9
-12.5°	2407.4	3023.3	3631.6	4253.5	4815.8	5343.6	5831.3	6263.0	6661.6	7030.2	7372.1
-15°	2365.0	2963.4	3578.9	4189.9	4758.0	5284.0	5778.8	6204.1	6616.4	6977.4	7328.4
-17.5°	2308.1	2889.2	3504.6	4114.3	4680.2	5206.2	5711.5	6126.4	6536.7	6909.8	7248.5
-20°	2236.3	2801.2	3408.2	4028.5	4581.3	5101.8	5591.3	6025.9	6433.5	6812.9	7168.9

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Scaled Data Report



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CATALOG NUMBER: GFLD-SA5C-735-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°	2149.6	2700.1	3292.0	3912.6	4458.0	4972.6	5456.2	5897.8	6320.2	6687.1	7066.4
-25°	2062.7	2593.3	3163.6	3752.2	4314.7	4827.1	5312.2	5742.3	6174.0	6555.7	6916.0
-27.5°	1979.5	2469.3	3014.7	3575.6	4152.3	4662.3	5143.0	5573.5	5992.6	6409.9	6756.8
-30°	1886.1	2325.9	2851.3	3387.1	3949.3	4468.6	4952.9	5399.5	5798.3	6210.4	6582.9
-32.5°	1783.1	2173.7	2678.8	3194.2	3724.3	4255.1	4734.9	5178.5	5593.4	5983.2	6374.2
-35°	1682.3	2050.9	2496.0	2987.1	3485.9	4006.7	4486.8	4926.2	5356.8	5742.8	6116.5
-37.5°	1591.6	1917.8	2301.6	2770.8	3247.5	3740.0	4228.4	4653.7	5063.5	5488.0	5852.3
-40°	1493.6	1774.9	2133.3	2548.0	2997.3	3465.7	3933.3	4373.3	4758.5	5178.0	5578.7
-42.5°	1390.8	1658.6	1967.3	2312.2	2736.4	3178.0	3629.2	4059.7	4459.8	4855.5	5252.6
-45°	1300.9	1535.4	1798.4	2113.5	2458.9	2874.2	3301.5	3730.5	4114.4	4491.6	4883.8
-47.5°	1205.2	1411.6	1654.8	1906.5	2206.7	2554.0	2955.8	3351.5	3744.4	4103.3	4450.4
-50°	1110.0	1300.2	1500.0	1726.6	1974.3	2255.8	2589.6	2957.5	3316.4	3684.8	4028.5
-52.5°	1027.9	1183.0	1363.5	1552.6	1764.7	1997.6	2265.0	2567.2	2893.6	3206.3	3549.2
-55°	942.6	1082.5	1228.2	1394.7	1571.2	1767.7	1987.0	2240.9	2490.0	2779.2	3059.1
-57.5°	864.9	982.9	1107.1	1244.6	1397.9	1555.2	1746.8	1944.4	2170.4	2395.2	2616.9
-60°	791.7	888.0	993.5	1109.9	1233.1	1373.1	1516.1	1685.8	1867.8	2047.2	2235.3
-62.5°	717.8	798.9	884.8	981.5	1088.9	1194.7	1316.8	1447.5	1581.5	1733.6	1881.9
-65°	641.9	707.4	780.3	860.5	946.2	1036.3	1130.1	1226.9	1340.8	1452.3	1560.1
-67.5°	561.3	617.3	676.3	739.4	811.3	882.0	952.7	1034.4	1118.3	1200.8	1286.3
-70°	471.8	524.7	573.9	625.1	678.5	733.9	794.3	854.2	913.4	975.2	1043.8
-72.5°	380.9	429.6	472.8	510.6	554.5	600.6	644.7	686.7	731.4	778.3	824.8
-75°	303.8	335.9	374.5	409.8	444.7	477.1	506.2	541.9	579.2	613.3	641.4
-77.5°	237.1	266.3	292.7	316.4	344.1	376.6	405.0	429.3	453.0	478.8	506.2
-80°	172.5	196.8	220.8	242.7	258.7	277.1	298.8	323.6	345.1	362.7	378.6
-82.5°	111.4	128.9	146.8	165.0	172.4	177.5	182.3	190.9	204.2	217.4	230.0
-85°	55.5	60.6	71.5	82.7	86.6	89.3	91.2	92.2	96.7	100.9	104.5
-87.5°	27.8	30.3	32.8	35.3	34.0	32.2	29.9	27.3	26.6	25.8	24.8
-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):**

	-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°	1.6	1.6	1.6	1.7	1.7	1.3	0.9	0.5	0.0	0.0	0.0
85°	1.9	1.9	1.9	1.9	1.9	1.8	1.8	1.8	1.8	1.4	0.9
82.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
80°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
77.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
75°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
72.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
70°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
67.5°	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.7	1.2
65°	2.7	2.6	2.8	2.7	2.4	2.3	2.4	2.3	2.1	1.7	1.1
62.5°	4.9	5.5	4.3	4.3	4.2	4.1	3.9	3.7	3.4	3.3	3.4
60°	30.2	17.9	10.5	12.2	11.0	7.3	9.3	10.9	11.0	10.1	8.9
57.5°	167.4	125.1	92.6	221.0	221.7	105.9	127.5	200.4	165.0	54.2	50.3
55°	465.8	557.0	733.1	696.4	707.7	813.9	888.8	786.8	771.4	822.0	949.5
52.5°	836.7	923.8	983.0	1038.4	1105.9	1178.4	1253.1	1300.6	1345.0	1392.3	1420.5
50°	1068.5	1191.2	1275.4	1244.4	1419.0	1490.3	1417.8	1482.6	1561.7	1583.3	1593.5
47.5°	1577.7	1757.6	1793.3	1909.2	2013.3	2011.1	1922.7	1927.8	2163.1	2370.7	2472.6
45°	2267.4	2273.6	2386.7	2591.3	2737.6	2691.5	2814.9	3095.5	3189.0	3279.3	3353.4
42.5°	2536.1	2647.5	2827.9	3008.9	3118.0	3212.5	3303.9	3407.0	3528.3	3626.7	3705.3
40°	2796.3	2886.0	3070.8	3216.5	3306.9	3395.1	3501.6	3615.9	3726.9	3813.3	3872.3
37.5°	3196.7	3266.2	3311.2	3446.5	3617.3	3538.5	3740.6	3885.4	3951.6	4039.4	4047.4
35°	3802.5	3756.2	3696.3	4234.8	4267.0	4085.2	4274.1	4498.7	4380.3	4626.9	4759.5
32.5°	4339.6	4332.7	4802.7	5085.8	4922.9	5055.9	5491.5	5472.1	5762.5	5897.2	5858.8
30°	4845.5	5018.2	5290.0	5500.8	5529.1	5738.7	5932.2	6101.7	6277.0	6434.1	6444.9
27.5°	5102.4	5327.7	5512.2	5634.3	5770.4	5946.8	6122.4	6313.2	6462.3	6560.9	6584.9
25°	5257.8	5487.9	5627.7	5759.0	5909.3	6061.5	6258.1	6465.9	6585.6	6646.4	6665.8
22.5°	5394.8	5601.6	5751.8	5858.4	6020.1	6183.9	6367.1	6543.1	6673.2	6699.7	6709.4
20°	5526.6	5725.4	5976.2	6133.1	6125.2	6309.7	6486.4	6626.3	6734.7	6734.1	6736.7
17.5°	5908.1	5979.0	6434.3	6779.9	6608.8	6518.5	7004.2	7013.4	7042.2	6984.9	6860.7
15°	6472.9	6602.0	7161.3	7536.0	7418.0	7411.9	8113.4	7939.4	8089.1	8049.9	8218.4
12.5°	7071.2	7224.1	7642.0	8010.0	8185.3	8228.4	8462.6	8682.2	8727.3	8709.5	8676.4
10°	7478.7	7696.5	7864.4	8087.8	8264.6	8445.0	8580.6	8738.3	8790.0	8760.1	8717.9
7.5°	7531.8	7747.1	7944.1	8140.1	8308.5	8453.9	8594.7	8723.0	8775.6	8758.2	8729.2
5°	7565.5	7760.5	7951.6	8150.4	8311.4	8446.1	8586.5	8716.5	8747.5	8726.6	8698.3
2.5°	7586.3	7766.9	7950.9	8149.0	8295.2	8423.4	8565.5	8704.3	8704.0	8694.8	8678.3
0°	7596.4	7777.5	7991.3	8170.4	8334.1	8455.5	8596.1	8730.9	8721.3	8696.2	8667.3
-2.5°	7618.1	7801.5	8019.7	8168.1	8352.7	8463.8	8609.2	8725.9	8721.5	8709.1	8694.8
-5°	7637.4	7843.7	8047.8	8203.9	8388.9	8534.3	8678.7	8770.0	8774.9	8757.7	8733.6
-7.5°	7649.1	7877.8	8072.6	8229.4	8408.8	8577.8	8724.3	8820.1	8822.2	8799.5	8770.7
-10°	7645.2	7886.6	8087.1	8249.2	8432.9	8599.8	8753.0	8874.5	8870.5	8848.8	8824.2
-12.5°	7630.8	7871.9	8077.8	8240.3	8449.0	8620.8	8793.1	8913.9	8920.4	8904.1	8877.5
-15°	7599.0	7848.0	8048.2	8225.7	8430.2	8631.1	8808.2	8941.5	8965.3	8951.9	8931.0
-17.5°	7536.3	7799.0	8011.4	8202.7	8398.9	8613.0	8814.4	8960.2	8992.6	8987.4	8969.9
-20°	7453.8	7725.0	7940.6	8141.0	8354.6	8575.2	8809.5	8942.7	8989.9	8992.8	8981.0



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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°	7361.4	7626.8	7855.5	8052.5	8284.2	8507.4	8719.7	8875.6	8954.9	8969.6	8970.6
-25°	7250.4	7523.2	7750.4	7960.2	8175.7	8406.2	8620.7	8794.9	8875.2	8913.5	8925.5
-27.5°	7093.7	7375.6	7599.3	7821.0	8040.1	8278.3	8503.7	8693.1	8758.4	8811.1	8832.3
-30°	6910.1	7188.9	7416.9	7619.7	7870.4	8113.1	8345.8	8511.0	8609.5	8669.9	8702.9
-32.5°	6699.0	6980.5	7219.7	7431.4	7669.8	7912.5	8131.3	8305.6	8441.4	8511.1	8546.4
-35°	6470.0	6757.4	7007.9	7230.9	7455.3	7686.7	7913.4	8095.7	8250.5	8310.3	8354.6
-37.5°	6193.9	6510.9	6767.7	6997.8	7210.9	7428.5	7664.6	7873.0	8023.3	8081.4	8128.0
-40°	5910.7	6217.1	6476.1	6721.4	6932.2	7169.8	7397.2	7615.7	7746.1	7813.8	7866.6
-42.5°	5611.8	5888.6	6134.9	6373.2	6607.9	6852.4	7079.7	7306.8	7419.6	7501.2	7565.9
-45°	5266.8	5524.3	5763.7	5986.7	6228.6	6469.0	6696.4	6897.0	7031.3	7137.5	7220.2
-47.5°	4806.7	5120.4	5360.7	5572.9	5812.7	6044.7	6265.0	6453.7	6600.9	6725.2	6821.2
-50°	4339.4	4640.5	4911.6	5149.8	5372.4	5586.9	5796.7	5981.2	6137.1	6271.7	6369.0
-52.5°	3879.3	4161.4	4430.3	4676.4	4890.3	5092.8	5284.7	5470.4	5634.7	5778.7	5872.7
-55°	3359.3	3651.5	3917.6	4147.0	4360.8	4560.9	4750.4	4926.5	5088.3	5234.9	5325.1
-57.5°	2871.6	3127.9	3375.5	3587.3	3789.0	3979.6	4159.3	4327.9	4483.6	4621.6	4708.5
-60°	2423.3	2610.1	2823.2	3018.7	3197.6	3359.8	3527.5	3684.6	3827.6	3949.0	4030.0
-62.5°	2027.0	2181.9	2335.7	2484.4	2629.4	2775.2	2915.5	3045.9	3165.4	3264.8	3335.7
-65°	1673.9	1798.3	1909.6	2015.0	2115.4	2230.4	2337.1	2437.5	2530.4	2606.5	2660.6
-67.5°	1378.3	1465.8	1542.7	1615.0	1694.2	1775.5	1851.6	1918.0	1974.7	2019.9	2055.5
-70°	1111.5	1175.8	1233.8	1291.5	1349.3	1402.2	1452.6	1501.4	1547.8	1585.6	1613.9
-72.5°	870.5	914.5	954.0	998.4	1040.0	1080.0	1114.9	1143.1	1164.9	1186.2	1204.7
-75°	663.6	696.7	741.2	778.8	809.9	837.4	862.6	885.1	904.8	922.3	937.7
-77.5°	533.8	561.8	590.2	617.7	644.2	663.9	682.2	700.5	718.5	734.0	747.7
-80°	395.6	416.5	438.4	460.4	482.4	493.3	502.0	510.0	517.2	526.4	535.1
-82.5°	241.9	253.7	265.9	278.2	290.5	293.6	294.7	294.4	292.8	289.5	284.4
-85°	107.7	108.3	108.0	106.7	104.7	100.4	95.2	89.2	82.4	81.3	80.1
-87.5°	23.7	23.2	22.5	21.8	20.9	20.9	20.8	20.7	20.5	21.2	21.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
85°	0.5	0.0	0.0	0.0	0.0	0.0	0.5	0.9	1.4	1.8	1.8
82.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
80°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
77.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
75°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
72.5°	1.9	1.9	1.0	0.0	1.0	1.9	1.9	1.9	1.9	1.9	1.9
70°	1.9	1.9	1.0	0.0	1.0	1.9	1.9	1.9	1.9	1.9	1.9
67.5°	0.7	0.1	0.0	0.0	0.0	0.1	0.7	1.2	1.7	1.9	1.9
65°	0.6	0.1	0.0	0.0	0.0	0.1	0.6	1.1	1.7	2.1	2.3
62.5°	3.6	3.7	3.9	3.9	3.9	3.7	3.6	3.4	3.3	3.4	3.7
60°	7.0	4.6	3.9	3.9	3.9	4.6	7.0	8.9	10.1	11.0	10.9
57.5°	42.5	31.8	27.0	25.0	27.0	31.8	42.5	50.3	54.2	165.0	200.4
55°	1040.9	1093.9	1133.5	1151.8	1133.5	1093.9	1040.9	949.5	822.0	771.4	786.8
52.5°	1445.3	1468.3	1481.6	1481.1	1481.6	1468.3	1445.3	1420.5	1392.3	1345.0	1300.6
50°	1610.9	1622.1	1626.1	1623.7	1626.1	1622.1	1610.9	1593.5	1583.3	1561.7	1482.6
47.5°	2379.5	2173.6	2022.2	1985.8	2022.2	2173.6	2379.5	2472.6	2370.7	2163.1	1927.8
45°	3388.9	3467.0	3544.8	3569.0	3544.8	3467.0	3388.9	3353.4	3279.3	3189.0	3095.5
42.5°	3738.5	3763.9	3778.4	3779.0	3778.4	3763.9	3738.5	3705.3	3626.7	3528.3	3407.0
40°	3905.3	3929.3	3943.3	3944.6	3943.3	3929.3	3905.3	3872.3	3813.3	3726.9	3615.9
37.5°	4056.9	4077.4	4090.8	4104.5	4090.8	4077.4	4056.9	4047.4	4039.4	3951.6	3885.4
35°	4741.6	4586.5	4363.4	4397.2	4363.4	4586.5	4741.6	4759.5	4626.9	4380.3	4498.7
32.5°	5918.8	5984.1	6024.7	6094.1	6024.7	5984.1	5918.8	5858.8	5897.2	5762.5	5472.1
30°	6462.0	6483.6	6516.2	6550.6	6516.2	6483.6	6462.0	6444.9	6434.1	6277.0	6101.7
27.5°	6597.6	6619.9	6639.7	6654.6	6639.7	6619.9	6597.6	6584.9	6560.9	6462.3	6313.2
25°	6668.6	6682.4	6703.5	6722.0	6703.5	6682.4	6668.6	6665.8	6646.4	6585.6	6465.9
22.5°	6703.8	6705.2	6721.7	6745.1	6721.7	6705.2	6703.8	6709.4	6699.7	6673.2	6543.1
20°	6728.0	6714.9	6731.9	6747.0	6731.9	6714.9	6728.0	6736.7	6734.1	6734.7	6626.3
17.5°	7035.9	6860.2	6788.0	6789.4	6788.0	6860.2	7035.9	6860.7	6984.9	7042.2	7013.4
15°	8029.3	8095.2	8347.9	8484.3	8347.9	8095.2	8029.3	8218.4	8049.9	8089.1	7939.4
12.5°	8670.3	8646.8	8616.8	8657.7	8616.8	8646.8	8670.3	8676.4	8709.5	8727.3	8682.2
10°	8700.0	8697.3	8643.8	8702.0	8643.8	8697.3	8700.0	8717.9	8760.1	8790.0	8738.3
7.5°	8681.7	8683.4	8660.6	8717.4	8660.6	8683.4	8681.7	8729.2	8758.2	8775.6	8723.0
5°	8693.8	8654.6	8669.4	8702.0	8669.4	8654.6	8693.8	8698.3	8726.6	8747.5	8716.5
2.5°	8660.1	8656.1	8627.2	8650.0	8627.2	8656.1	8660.1	8678.3	8694.8	8704.0	8704.3
0°	8634.6	8613.4	8613.4	8632.7	8613.4	8613.4	8634.6	8667.3	8696.2	8721.3	8730.9
-2.5°	8680.1	8675.7	8672.9	8659.6	8672.9	8675.7	8680.1	8694.8	8709.1	8721.5	8725.9
-5°	8717.5	8706.1	8674.6	8717.4	8674.6	8706.1	8717.5	8733.6	8757.7	8774.9	8770.0
-7.5°	8757.8	8728.6	8698.7	8765.6	8698.7	8728.6	8757.8	8770.7	8799.5	8822.2	8820.1
-10°	8794.7	8752.4	8723.2	8788.7	8723.2	8752.4	8794.7	8824.2	8848.8	8870.5	8874.5
-12.5°	8843.3	8793.9	8774.4	8809.8	8774.4	8793.9	8843.3	8877.5	8904.1	8920.4	8913.9
-15°	8895.1	8860.9	8856.4	8877.3	8856.4	8860.9	8895.1	8931.0	8951.9	8965.3	8941.5
-17.5°	8940.7	8916.6	8928.6	8952.4	8928.6	8916.6	8940.7	8969.9	8987.4	8992.6	8960.2
-20°	8962.4	8949.0	8962.4	9021.7	8962.4	8949.0	8962.4	8981.0	8992.8	8989.9	8942.7



REPORT NUMBER: P645517 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5C-735-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°	8960.6	8961.4	8985.0	9004.4	8985.0	8961.4	8960.6	8970.6	8969.6	8954.9	8875.6
-25°	8926.4	8944.4	8971.4	9010.2	8971.4	8944.4	8926.4	8925.5	8913.5	8875.2	8794.9
-27.5°	8843.9	8873.8	8902.1	8942.7	8902.1	8873.8	8843.9	8832.3	8811.1	8758.4	8693.1
-30°	8724.7	8760.3	8785.5	8829.1	8785.5	8760.3	8724.7	8702.9	8669.9	8609.5	8511.0
-32.5°	8579.6	8619.8	8649.6	8680.8	8649.6	8619.8	8579.6	8546.4	8511.1	8441.4	8305.6
-35°	8398.2	8441.6	8473.3	8501.7	8473.3	8441.6	8398.2	8354.6	8310.3	8250.5	8095.7
-37.5°	8180.3	8227.1	8263.2	8295.6	8263.2	8227.1	8180.3	8128.0	8081.4	8023.3	7873.0
-40°	7926.4	7974.4	8013.0	8049.1	8013.0	7974.4	7926.4	7866.6	7813.8	7746.1	7615.7
-42.5°	7629.5	7678.0	7717.8	7754.4	7717.8	7678.0	7629.5	7565.9	7501.2	7419.6	7306.8
-45°	7286.8	7336.6	7378.7	7417.3	7378.7	7336.6	7286.8	7220.2	7137.5	7031.3	6897.0
-47.5°	6892.0	6945.3	6981.3	6999.3	6981.3	6945.3	6892.0	6821.2	6725.2	6600.9	6453.7
-50°	6439.5	6492.8	6536.0	6567.9	6536.0	6492.8	6439.5	6369.0	6271.7	6137.1	5981.2
-52.5°	5941.4	5992.1	6029.2	6051.7	6029.2	5992.1	5941.4	5872.7	5778.7	5634.7	5470.4
-55°	5396.0	5449.1	5484.4	5500.9	5484.4	5449.1	5396.0	5325.1	5234.9	5088.3	4926.5
-57.5°	4777.4	4827.9	4865.3	4886.4	4865.3	4827.9	4777.4	4708.5	4621.6	4483.6	4327.9
-60°	4093.0	4138.1	4166.5	4177.6	4166.5	4138.1	4093.0	4030.0	3949.0	3827.6	3684.6
-62.5°	3393.0	3435.7	3462.4	3472.7	3462.4	3435.7	3393.0	3335.7	3264.8	3165.4	3045.9
-65°	2700.9	2727.8	2742.6	2744.7	2742.6	2727.8	2700.9	2660.6	2606.5	2530.4	2437.5
-67.5°	2083.7	2104.1	2116.4	2120.6	2116.4	2104.1	2083.7	2055.5	2019.9	1974.7	1918.0
-70°	1635.0	1649.0	1656.9	1658.3	1656.9	1649.0	1635.0	1613.9	1585.6	1547.8	1501.4
-72.5°	1219.0	1229.0	1225.5	1217.3	1225.5	1229.0	1219.0	1204.7	1186.2	1164.9	1143.1
-75°	951.0	962.0	957.4	949.6	957.4	962.0	951.0	937.7	922.3	904.8	885.1
-77.5°	759.7	769.8	764.8	756.9	764.8	769.8	759.7	747.7	734.0	718.5	700.5
-80°	542.5	548.5	552.6	554.7	552.6	548.5	542.5	535.1	526.4	517.2	510.0
-82.5°	277.7	269.6	264.4	258.1	264.4	269.6	277.7	284.4	289.5	292.8	294.4
-85°	78.5	76.6	77.9	79.0	77.9	76.6	78.5	80.1	81.3	82.4	89.2
-87.5°	22.4	23.0	23.1	23.1	23.1	23.0	22.4	21.8	21.2	20.5	20.7
-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: P645517 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5C-735-U-LAM-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.9	1.3	1.7	1.7	1.6	1.6	1.6	1.5	1.5	1.4	1.3
85°	1.8	1.8	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
82.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
80°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
77.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
75°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
72.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
70°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.1
67.5°	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.0	1.9	1.9	2.4
65°	2.4	2.3	2.4	2.7	2.8	2.6	2.7	2.8	2.8	2.6	2.5
62.5°	3.9	4.1	4.2	4.3	4.3	5.5	4.9	4.9	4.6	5.5	7.5
60°	9.3	7.3	11.0	12.2	10.5	17.9	30.2	27.2	8.0	43.6	50.3
57.5°	127.5	105.9	221.7	221.0	92.6	125.1	167.4	110.2	72.1	123.5	163.2
55°	888.8	813.9	707.7	696.4	733.1	557.0	465.8	448.2	350.8	228.0	270.9
52.5°	1253.1	1178.4	1105.9	1038.4	983.0	923.8	836.7	742.6	712.5	573.8	442.4
50°	1417.8	1490.3	1419.0	1244.4	1275.4	1191.2	1068.5	968.5	989.0	904.1	728.9
47.5°	1922.7	2011.1	2013.3	1909.2	1793.3	1757.6	1577.7	1265.2	1286.2	1282.6	1097.1
45°	2814.9	2691.5	2737.6	2591.3	2386.7	2273.6	2267.4	1933.2	1623.6	1573.3	1555.3
42.5°	3303.9	3212.5	3118.0	3008.9	2827.9	2647.5	2536.1	2348.1	2099.1	1878.8	1800.7
40°	3501.6	3395.1	3306.9	3216.5	3070.8	2886.0	2796.3	2549.4	2362.3	2171.6	2108.0
37.5°	3740.6	3538.5	3617.3	3446.5	3311.2	3266.2	3196.7	2939.7	2525.1	2490.2	2458.0
35°	4274.1	4085.2	4267.0	4234.8	3696.3	3756.2	3802.5	3486.7	3052.5	2817.2	2822.3
32.5°	5491.5	5055.9	4922.9	5085.8	4802.7	4332.7	4339.6	4243.5	3650.8	3308.3	3158.4
30°	5932.2	5738.7	5529.1	5500.8	5290.0	5018.2	4845.5	4614.5	4183.2	3792.2	3535.3
27.5°	6122.4	5946.8	5770.4	5634.3	5512.2	5327.7	5102.4	4830.9	4524.1	4173.8	3924.2
25°	6258.1	6061.5	5909.3	5759.0	5627.7	5487.9	5257.8	4993.4	4707.1	4424.7	4156.7
22.5°	6367.1	6183.9	6020.1	5858.4	5751.8	5601.6	5394.8	5121.7	4929.5	4750.0	4401.6
20°	6486.4	6309.7	6125.2	6133.1	5976.2	5725.4	5526.6	5390.7	5364.3	5162.4	4712.5
17.5°	7004.2	6518.5	6608.8	6779.9	6434.3	5979.0	5908.1	5915.7	5832.2	5644.4	5085.0
15°	8113.4	7411.9	7418.0	7536.0	7161.3	6602.0	6472.9	6457.1	6325.7	6118.0	5478.4
12.5°	8462.6	8228.4	8185.3	8010.0	7642.0	7224.1	7071.2	6988.2	6747.1	6345.2	5761.5
10°	8580.6	8445.0	8264.6	8087.8	7864.4	7696.5	7478.7	7177.4	6835.2	6447.5	5972.3
7.5°	8594.7	8453.9	8308.5	8140.1	7944.1	7747.1	7531.8	7232.3	6901.4	6521.2	6121.0
5°	8586.5	8446.1	8311.4	8150.4	7951.6	7760.5	7565.5	7269.3	6946.1	6569.3	6218.6
2.5°	8565.5	8423.4	8295.2	8149.0	7950.9	7766.9	7586.3	7309.1	6978.2	6609.0	6251.3
0°	8596.1	8455.5	8334.1	8170.4	7991.3	7777.5	7596.4	7349.9	6993.6	6635.3	6263.6
-2.5°	8609.2	8463.8	8352.7	8168.1	8019.7	7801.5	7618.1	7379.9	7022.7	6681.8	6293.3
-5°	8678.7	8534.3	8388.9	8203.9	8047.8	7843.7	7637.4	7392.1	7044.5	6707.0	6306.8
-7.5°	8724.3	8577.8	8408.8	8229.4	8072.6	7877.8	7649.1	7393.3	7064.5	6706.6	6313.2
-10°	8753.0	8599.8	8432.9	8249.2	8087.1	7886.6	7645.2	7386.9	7060.5	6690.9	6299.1
-12.5°	8793.1	8620.8	8449.0	8240.3	8077.8	7871.9	7630.8	7372.1	7030.2	6661.6	6263.0
-15°	8808.2	8631.1	8430.2	8225.7	8048.2	7848.0	7599.0	7328.4	6977.4	6616.4	6204.1
-17.5°	8814.4	8613.0	8398.9	8202.7	8011.4	7799.0	7536.3	7248.5	6909.8	6536.7	6126.4
-20°	8809.5	8575.2	8354.6	8141.0	7940.6	7725.0	7453.8	7168.9	6812.9	6433.5	6025.9

Classified

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

Scaled Data Report



REPORT NUMBER: P645517 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA5C-735-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°	8719.7	8507.4	8284.2	8052.5	7855.5	7626.8	7361.4	7066.4	6687.1	6320.2	5897.8
-25°	8620.7	8406.2	8175.7	7960.2	7750.4	7523.2	7250.4	6916.0	6555.7	6174.0	5742.3
-27.5°	8503.7	8278.3	8040.1	7821.0	7599.3	7375.6	7093.7	6756.8	6409.9	5992.6	5573.5
-30°	8345.8	8113.1	7870.4	7619.7	7416.9	7188.9	6910.1	6582.9	6210.4	5798.3	5399.5
-32.5°	8131.3	7912.5	7669.8	7431.4	7219.7	6980.5	6699.0	6374.2	5983.2	5593.4	5178.5
-35°	7913.4	7686.7	7455.3	7230.9	7007.9	6757.4	6470.0	6116.5	5742.8	5356.8	4926.2
-37.5°	7664.6	7428.5	7210.9	6997.8	6767.7	6510.9	6193.9	5852.3	5488.0	5063.5	4653.7
-40°	7397.2	7169.8	6932.2	6721.4	6476.1	6217.1	5910.7	5578.7	5178.0	4758.5	4373.3
-42.5°	7079.7	6852.4	6607.9	6373.2	6134.9	5888.6	5611.8	5252.6	4855.5	4459.8	4059.7
-45°	6696.4	6469.0	6228.6	5986.7	5763.7	5524.3	5266.8	4883.8	4491.6	4114.4	3730.5
-47.5°	6265.0	6044.7	5812.7	5572.9	5360.7	5120.4	4806.7	4450.4	4103.3	3744.4	3351.5
-50°	5796.7	5586.9	5372.4	5149.8	4911.6	4640.5	4339.4	4028.5	3684.8	3316.4	2957.5
-52.5°	5284.7	5092.8	4890.3	4676.4	4430.3	4161.4	3879.3	3549.2	3206.3	2893.6	2567.2
-55°	4750.4	4560.9	4360.8	4147.0	3917.6	3651.5	3359.3	3059.1	2779.2	2490.0	2240.9
-57.5°	4159.3	3979.6	3789.0	3587.3	3375.5	3127.9	2871.6	2616.9	2395.2	2170.4	1944.4
-60°	3527.5	3359.8	3197.6	3018.7	2823.2	2610.1	2423.3	2235.3	2047.2	1867.8	1685.8
-62.5°	2915.5	2775.2	2629.4	2484.4	2335.7	2181.9	2027.0	1881.9	1733.6	1581.5	1447.5
-65°	2337.1	2230.4	2115.4	2015.0	1909.6	1798.3	1673.9	1560.1	1452.3	1340.8	1226.9
-67.5°	1851.6	1775.5	1694.2	1615.0	1542.7	1465.8	1378.3	1286.3	1200.8	1118.3	1034.4
-70°	1452.6	1402.2	1349.3	1291.5	1233.8	1175.8	1111.5	1043.8	975.2	913.4	854.2
-72.5°	1114.9	1080.0	1040.0	998.4	954.0	914.5	870.5	824.8	778.3	731.4	686.7
-75°	862.6	837.4	809.9	778.8	741.2	696.7	663.6	641.4	613.3	579.2	541.9
-77.5°	682.2	663.9	644.2	617.7	590.2	561.8	533.8	506.2	478.8	453.0	429.3
-80°	502.0	493.3	482.4	460.4	438.4	416.5	395.6	378.6	362.7	345.1	323.6
-82.5°	294.7	293.6	290.5	278.2	265.9	253.7	241.9	230.0	217.4	204.2	190.9
-85°	95.2	100.4	104.7	106.7	108.0	108.3	107.7	104.5	100.9	96.7	92.2
-87.5°	20.8	20.9	20.9	21.8	22.5	23.2	23.7	24.8	25.8	26.6	27.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





REPORT NUMBER: P645517 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5C-735-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°	1.3	1.2	1.2	1.1	1.0	0.9	0.9	0.8	0.9	1.0	1.0
85°	1.9	1.9	1.9	1.9	1.9	1.9	1.8	1.6	1.8	2.0	2.0
82.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.4	2.9	3.1
80°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.5	3.0	3.4
77.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.5	3.0	3.5
75°	1.9	1.9	1.9	2.0	2.0	1.9	1.9	2.1	2.5	3.0	3.5
72.5°	1.9	1.9	1.9	2.1	2.4	2.5	2.2	2.1	2.6	3.1	3.6
70°	2.2	2.0	1.9	2.2	2.7	3.1	3.0	3.1	2.7	3.1	3.6
67.5°	2.8	2.9	2.7	2.6	2.8	3.3	3.8	4.4	4.3	3.2	3.7
65°	3.0	3.4	4.1	5.5	4.8	3.4	3.8	7.6	6.1	5.1	3.7
62.5°	6.4	3.6	12.2	16.3	9.2	7.2	5.8	16.8	10.6	7.2	5.2
60°	15.1	12.4	34.0	54.4	38.0	12.8	18.8	29.1	26.8	9.3	7.3
57.5°	141.3	48.6	70.4	101.8	100.0	54.2	39.5	52.8	45.4	26.2	10.3
55°	301.5	253.8	167.5	153.4	165.8	133.8	87.1	85.4	70.1	48.6	16.7
52.5°	413.7	431.7	375.7	262.5	228.6	217.8	170.1	123.9	110.0	72.9	42.2
50°	598.9	557.7	552.1	463.4	320.5	290.1	251.1	193.6	154.4	104.3	71.3
47.5°	846.0	743.1	688.6	648.7	511.4	369.8	329.4	264.8	203.4	150.2	101.8
45°	1208.9	960.5	855.0	790.5	700.9	520.1	412.3	334.0	265.1	201.7	133.7
42.5°	1573.4	1241.9	1045.0	940.8	847.6	689.9	500.8	413.7	325.2	254.1	174.2
40°	1895.1	1532.0	1244.8	1110.7	991.6	853.8	644.3	499.0	384.1	308.0	220.2
37.5°	2282.5	1862.3	1474.7	1288.8	1145.1	990.8	789.8	588.1	454.9	364.6	266.4
35°	2657.1	2289.9	1732.0	1504.0	1316.0	1131.2	930.0	693.4	541.9	422.0	312.5
32.5°	3059.5	2692.1	2120.5	1744.3	1492.9	1274.7	1061.0	821.4	629.3	480.2	358.5
30°	3376.3	2956.9	2461.5	1984.9	1685.3	1434.8	1191.9	944.3	717.0	538.9	404.9
27.5°	3544.2	3186.0	2730.5	2252.9	1901.9	1599.0	1326.7	1061.7	804.6	603.4	453.2
25°	3717.9	3347.3	2922.9	2487.3	2115.8	1772.8	1461.0	1173.6	900.2	676.1	501.0
22.5°	3925.6	3484.5	3085.0	2673.0	2336.4	1949.1	1601.7	1286.9	995.7	747.4	548.0
20°	4134.2	3611.9	3245.1	2925.7	2552.8	2139.7	1749.0	1397.5	1085.9	816.9	594.0
17.5°	4353.2	3843.3	3516.7	3172.3	2768.6	2324.5	1894.0	1504.6	1170.5	884.2	638.7
15°	4734.2	4189.7	3790.4	3412.2	2983.2	2502.1	2035.5	1607.5	1249.4	948.8	680.3
12.5°	5080.2	4512.2	4064.2	3644.2	3194.3	2671.6	2172.0	1705.4	1322.5	1000.3	717.3
10°	5366.5	4811.2	4335.0	3866.9	3399.2	2831.5	2302.1	1785.2	1366.4	1038.8	751.4
7.5°	5600.9	5087.6	4598.9	4078.9	3575.3	2936.1	2367.7	1831.7	1400.4	1071.5	782.6
5°	5770.4	5272.0	4739.2	4152.7	3630.3	2979.0	2412.3	1869.6	1427.8	1098.8	810.6
2.5°	5819.2	5328.7	4791.8	4193.2	3667.5	3006.9	2444.2	1898.5	1448.8	1120.9	835.4
0°	5847.6	5366.0	4824.8	4218.1	3686.5	3020.1	2463.4	1918.4	1463.8	1138.3	857.1
-2.5°	5887.3	5398.2	4856.7	4282.0	3699.1	3060.5	2474.3	1931.4	1482.7	1144.5	869.7
-5°	5907.1	5410.7	4871.9	4325.0	3695.8	3084.6	2472.9	1935.5	1494.9	1146.7	879.0
-7.5°	5898.4	5406.5	4872.6	4338.4	3679.1	3090.2	2459.5	1931.1	1499.9	1145.1	884.7
-10°	5871.7	5384.6	4853.9	4303.6	3663.7	3068.3	2435.6	1918.9	1497.0	1140.2	886.9
-12.5°	5831.3	5343.6	4815.8	4253.5	3631.6	3023.3	2407.4	1897.8	1484.9	1132.3	885.4
-15°	5778.8	5284.0	4758.0	4189.9	3578.9	2963.4	2365.0	1867.3	1461.4	1123.3	880.2
-17.5°	5711.5	5206.2	4680.2	4114.3	3504.6	2889.2	2308.1	1827.5	1431.9	1112.4	869.6
-20°	5591.3	5101.8	4581.3	4028.5	3408.2	2801.2	2236.3	1778.5	1396.9	1096.9	854.4

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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°	5456.2	4972.6	4458.0	3912.6	3292.0	2700.1	2149.6	1720.2	1356.5	1076.6	836.3
-25°	5312.2	4827.1	4314.7	3752.2	3163.6	2593.3	2062.7	1652.8	1310.9	1051.6	815.1
-27.5°	5143.0	4662.3	4152.3	3575.6	3014.7	2469.3	1979.5	1593.1	1266.9	1021.7	791.1
-30°	4952.9	4468.6	3949.3	3387.1	2851.3	2325.9	1886.1	1529.3	1229.6	989.1	764.4
-32.5°	4734.9	4255.1	3724.3	3194.2	2678.8	2173.7	1783.1	1461.0	1186.5	954.6	739.6
-35°	4486.8	4006.7	3485.9	2987.1	2496.0	2050.9	1682.3	1388.7	1137.7	917.2	713.6
-37.5°	4228.4	3740.0	3247.5	2770.8	2301.6	1917.8	1591.6	1317.1	1083.1	877.1	684.8
-40°	3933.3	3465.7	2997.3	2548.0	2133.3	1774.9	1493.6	1246.6	1031.6	834.5	653.3
-42.5°	3629.2	3178.0	2736.4	2312.2	1967.3	1658.6	1390.8	1170.6	977.2	793.3	619.1
-45°	3301.5	2874.2	2458.9	2113.5	1798.4	1535.4	1300.9	1091.8	919.2	751.2	583.8
-47.5°	2955.8	2554.0	2206.7	1906.5	1654.8	1411.6	1205.2	1023.7	858.3	706.1	548.4
-50°	2589.6	2255.8	1974.3	1726.6	1500.0	1300.2	1110.0	952.3	802.4	656.2	511.3
-52.5°	2265.0	1997.6	1764.7	1552.6	1363.5	1183.0	1027.9	879.2	744.8	608.5	472.5
-55°	1987.0	1767.7	1571.2	1394.7	1228.2	1082.5	942.6	814.2	685.7	560.6	433.3
-57.5°	1746.8	1555.2	1397.9	1244.6	1107.1	982.9	864.9	747.8	629.0	511.0	402.1
-60°	1516.1	1373.1	1233.1	1109.9	993.5	888.0	791.7	681.4	571.8	461.4	367.7
-62.5°	1316.8	1194.7	1088.9	981.5	884.8	798.9	717.8	616.5	513.0	415.6	330.2
-65°	1130.1	1036.3	946.2	860.5	780.3	707.4	641.9	550.0	453.9	366.9	291.3
-67.5°	952.7	882.0	811.3	739.4	676.3	617.3	561.3	478.2	392.3	315.8	252.7
-70°	794.3	733.9	678.5	625.1	573.9	524.7	471.8	401.7	327.8	269.9	213.2
-72.5°	644.7	600.6	554.5	510.6	472.8	429.6	380.9	326.2	274.5	223.3	172.9
-75°	506.2	477.1	444.7	409.8	374.5	335.9	303.8	265.6	220.4	175.8	139.3
-77.5°	405.0	376.6	344.1	316.4	292.7	266.3	237.1	203.9	168.1	136.7	107.7
-80°	298.8	277.1	258.7	242.7	220.8	196.8	172.5	148.4	122.2	97.9	75.4
-82.5°	182.3	177.5	172.4	165.0	146.8	128.9	111.4	94.1	75.6	58.5	48.4
-85°	91.2	89.3	86.6	82.7	71.5	60.6	55.5	50.4	44.1	38.1	32.4
-87.5°	29.9	32.2	34.0	35.3	32.8	30.3	27.8	25.2	22.1	19.1	16.2
-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):**

	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°	1.0	0.8	0.7	0.5	0.3	0.2	0.0
85°	2.0	1.7	1.4	1.0	0.7	0.4	0.0
82.5°	3.0	2.5	2.0	1.5	1.0	0.6	0.0
80°	3.9	3.4	2.7	2.0	1.4	0.8	0.0
77.5°	3.9	3.9	3.4	2.5	1.7	1.1	0.0
75°	3.9	4.1	3.9	3.0	2.0	1.3	0.0
72.5°	4.0	4.2	4.1	3.5	2.4	1.5	0.0
70°	4.1	4.3	4.3	3.9	2.7	1.7	0.0
67.5°	4.6	4.5	4.5	4.1	3.1	1.9	0.0
65°	5.2	5.1	4.7	4.3	3.4	2.1	0.0
62.5°	6.1	6.4	4.9	4.5	3.8	2.3	0.0
60°	7.2	7.8	5.1	4.7	4.1	2.5	0.0
57.5°	13.2	9.3	6.6	4.9	4.4	2.7	0.0
55°	21.1	11.0	8.2	5.1	4.6	2.9	0.0
52.5°	30.2	14.1	9.9	5.3	4.8	3.1	0.0
50°	40.7	24.0	11.6	5.5	5.0	3.3	0.0
47.5°	54.7	34.6	13.5	6.0	5.2	3.4	0.0
45°	82.4	46.0	15.4	7.5	5.5	3.6	0.0
42.5°	110.9	58.1	17.4	9.0	5.7	3.8	0.0
40°	140.0	70.9	23.4	10.8	5.9	4.0	0.0
37.5°	169.6	84.5	33.4	13.1	6.2	4.1	0.0
35°	199.7	104.9	43.6	15.7	6.4	4.3	0.0
32.5°	232.4	128.7	54.0	18.5	6.7	4.5	0.0
30°	269.7	152.2	64.4	21.6	6.9	4.6	0.0
27.5°	306.3	175.5	77.2	24.9	7.2	4.8	0.0
25°	342.1	198.4	90.4	28.3	7.4	4.9	0.0
22.5°	376.8	221.7	103.6	31.9	7.7	5.0	0.0
20°	410.3	246.8	116.6	35.5	7.9	5.1	0.0
17.5°	443.4	271.1	129.4	39.3	8.2	5.3	0.0
15°	475.3	294.4	141.9	43.0	8.4	5.4	0.0
12.5°	505.1	316.6	153.9	46.8	8.6	5.5	0.0
10°	532.7	337.6	165.5	50.5	8.8	5.5	0.0
7.5°	558.1	357.2	176.4	54.1	9.0	5.6	0.0
5°	581.2	375.3	186.6	57.5	9.2	5.7	0.0
2.5°	601.9	391.8	195.9	60.7	9.4	5.8	0.0
0°	620.2	406.4	204.2	63.6	9.6	5.8	0.0
-2.5°	629.3	415.7	212.0	67.7	11.1	6.1	0.0
-5°	635.9	423.0	218.6	71.5	12.6	6.4	0.0
-7.5°	640.1	428.3	223.9	74.9	14.0	6.7	0.0
-10°	642.1	431.6	228.0	77.9	15.4	7.0	0.0
-12.5°	641.7	433.0	230.7	80.4	16.7	7.3	0.0
-15°	639.2	432.4	232.1	82.3	18.0	7.5	0.0
-17.5°	634.5	429.8	231.9	83.8	19.2	7.7	0.0
-20°	627.3	425.2	230.2	84.6	20.2	7.9	0.0

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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	616.8	418.7	226.9	84.9	21.2	8.1	0.0
-25°	603.9	408.7	222.1	84.5	22.0	8.2	0.0
-27.5°	588.6	396.1	215.6	83.4	22.8	8.3	0.0
-30°	570.8	381.8	207.5	81.7	23.4	8.4	0.0
-32.5°	550.7	365.8	198.1	79.3	23.8	8.4	0.0
-35°	528.9	348.2	187.6	76.2	24.1	8.4	0.0
-37.5°	505.5	330.5	176.0	72.4	24.3	8.3	0.0
-40°	480.3	314.4	163.4	67.9	24.3	8.2	0.0
-42.5°	453.3	297.2	153.9	63.0	24.2	8.1	0.0
-45°	424.6	278.9	147.4	58.1	23.9	8.0	0.0
-47.5°	394.3	259.6	139.7	52.5	23.5	7.8	0.0
-50°	369.0	239.2	130.9	50.6	22.9	7.5	0.0
-52.5°	343.7	217.8	120.9	49.6	22.2	7.2	0.0
-55°	317.3	201.7	109.8	48.0	21.3	6.9	0.0
-57.5°	290.0	185.3	97.7	46.0	20.3	6.6	0.0
-60°	262.3	167.4	85.0	43.4	19.1	6.2	0.0
-62.5°	237.0	148.1	79.0	40.3	18.0	5.8	0.0
-65°	209.9	127.4	72.1	36.7	16.7	5.4	0.0
-67.5°	181.0	110.1	64.4	32.8	15.3	4.9	0.0
-70°	150.6	96.4	56.0	28.5	13.9	4.5	0.0
-72.5°	127.4	81.6	47.0	25.1	12.3	4.0	0.0
-75°	104.2	65.9	37.4	21.8	10.7	3.4	0.0
-77.5°	79.8	49.4	30.9	18.4	9.0	2.9	0.0
-80°	54.4	37.7	25.0	14.8	7.3	2.3	0.0
-82.5°	40.0	28.5	18.9	11.2	5.5	1.8	0.0
-85°	26.8	19.1	12.7	7.5	3.7	1.2	0.0
-87.5°	13.4	9.6	6.3	3.8	1.8	0.6	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)