

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



Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P627521 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA4E-735-U-VWR-XX**

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P627521 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-17)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 12/7/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GFLD-SA4E-735-U-VWR-XX  
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N100  
Light Source: (64) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

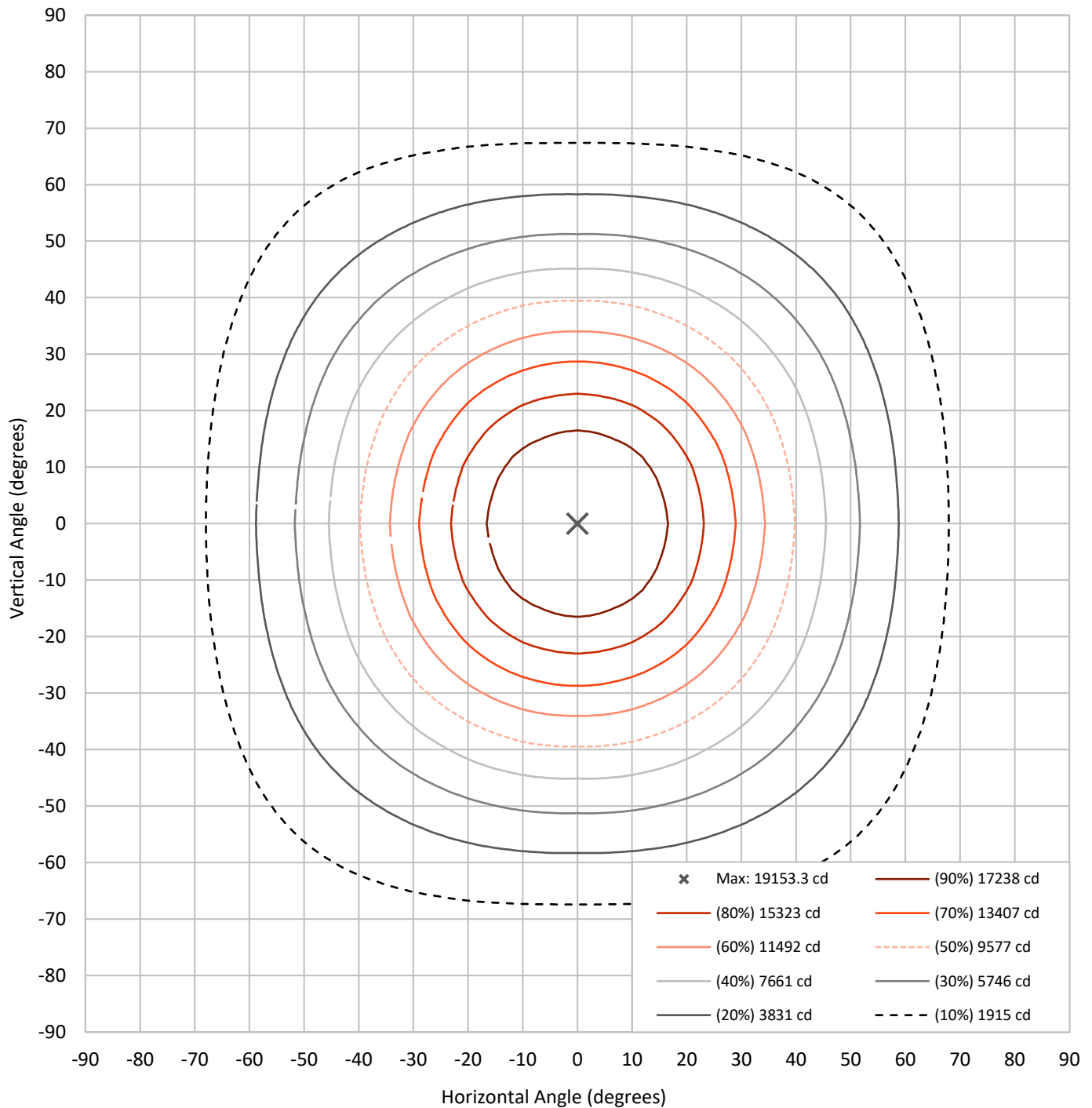
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	34617.9 lumens	Max Intensity:	19153.3 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	135.3 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')		
Beam Angle (50%):	79.6°H x 78.9°V	Field Angle (10%):	135.9°H x 134.8°V
Beam Lumens:	20303.6 lumens	Field Lumens:	33002.3 lumens
Beam Efficiency:	58.7%	Field Efficiency:	95.3%
Input Watts (W):	255.9		
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





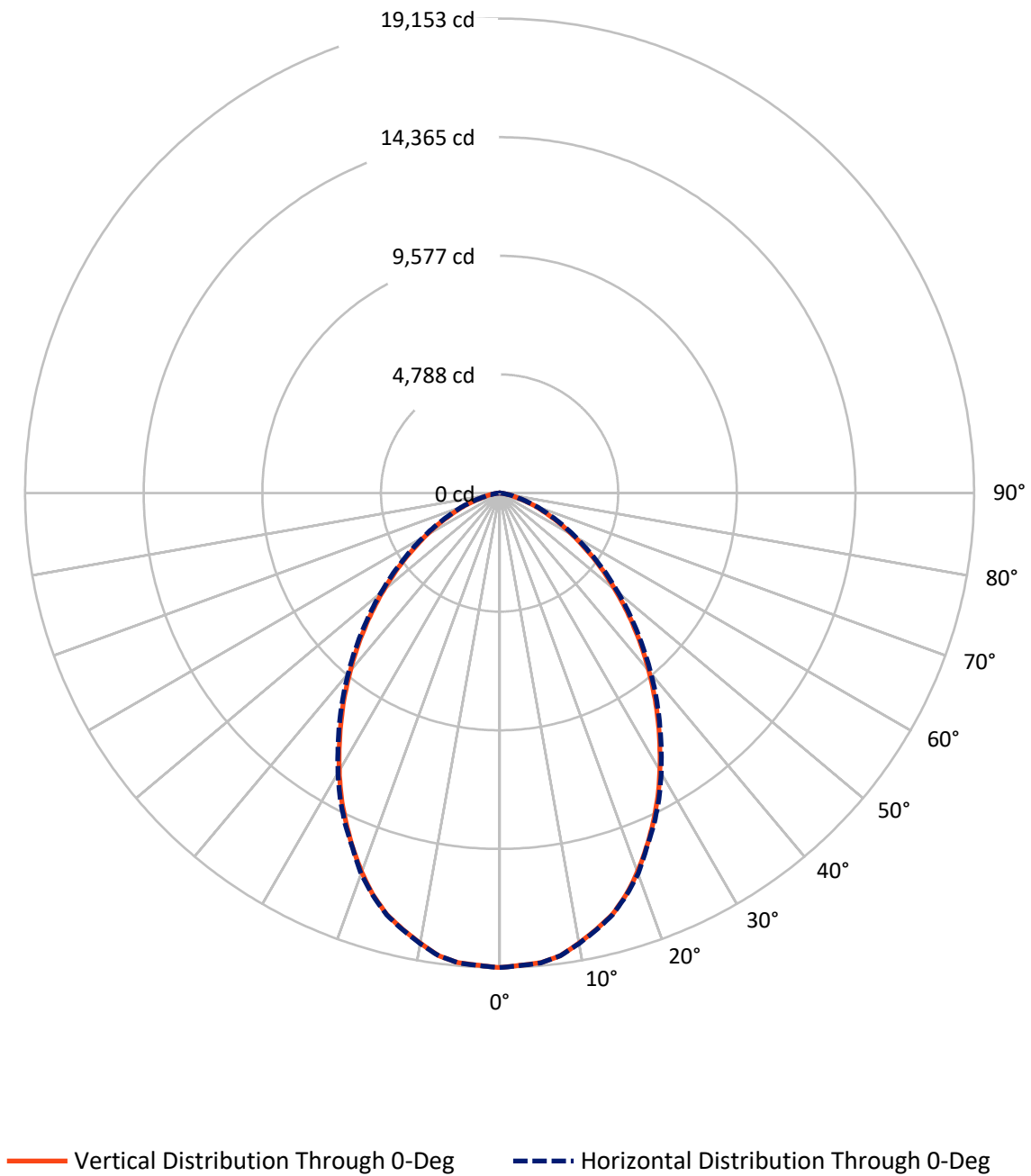
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### Lumen Table

90																			
80	1.2	14.2	38.6	65.6	61.8	65.6	38.6	14.2	1.2										
70																			
60	6.4	8.9	17.9	30.5	44.7	57.7	67.5	72.2	72.2	67.5	57.7	44.7	30.5	17.9	8.9				6.4
50																			
40	11.3	13.3	29.1	51.9	78.6	106.9	130.1	142.1	142.1	130.1	106.9	78.6	51.9	29.1	13.3				11.3
30																			
20	14.5	17.9	42.1	77.7	123.1	170.7	210.5	232.3	232.3	210.5	170.7	123.1	77.7	42.1	17.9				14.5
10																			
0	15.8	22.6	55.8	107.0	172.4	241.7	300.9	334.5	334.5	300.9	241.7	172.4	107.0	55.8	22.6				15.8
-10																			
-20	14.5	27.1	68.6	134.5	219.5	311.5	391.8	437.9	437.9	391.8	311.5	219.5	134.5	68.6	27.1				14.5
-30																			
-40	11.3	30.5	78.5	155.1	256.2	368.2	467.0	523.1	523.1	467.0	368.2	256.2	155.1	78.5	30.5				11.3
-50																			
-60	6.4	32.4	84.0	166.8	276.6	399.6	507.6	566.6	566.6	507.6	399.6	276.6	166.8	84.0	32.4				6.4
-70																			
-80	1.2	32.4	84.0	166.8	276.6	399.6	507.6	566.6	566.6	507.6	399.6	276.6	166.8	84.0	32.4				1.2
-90																			

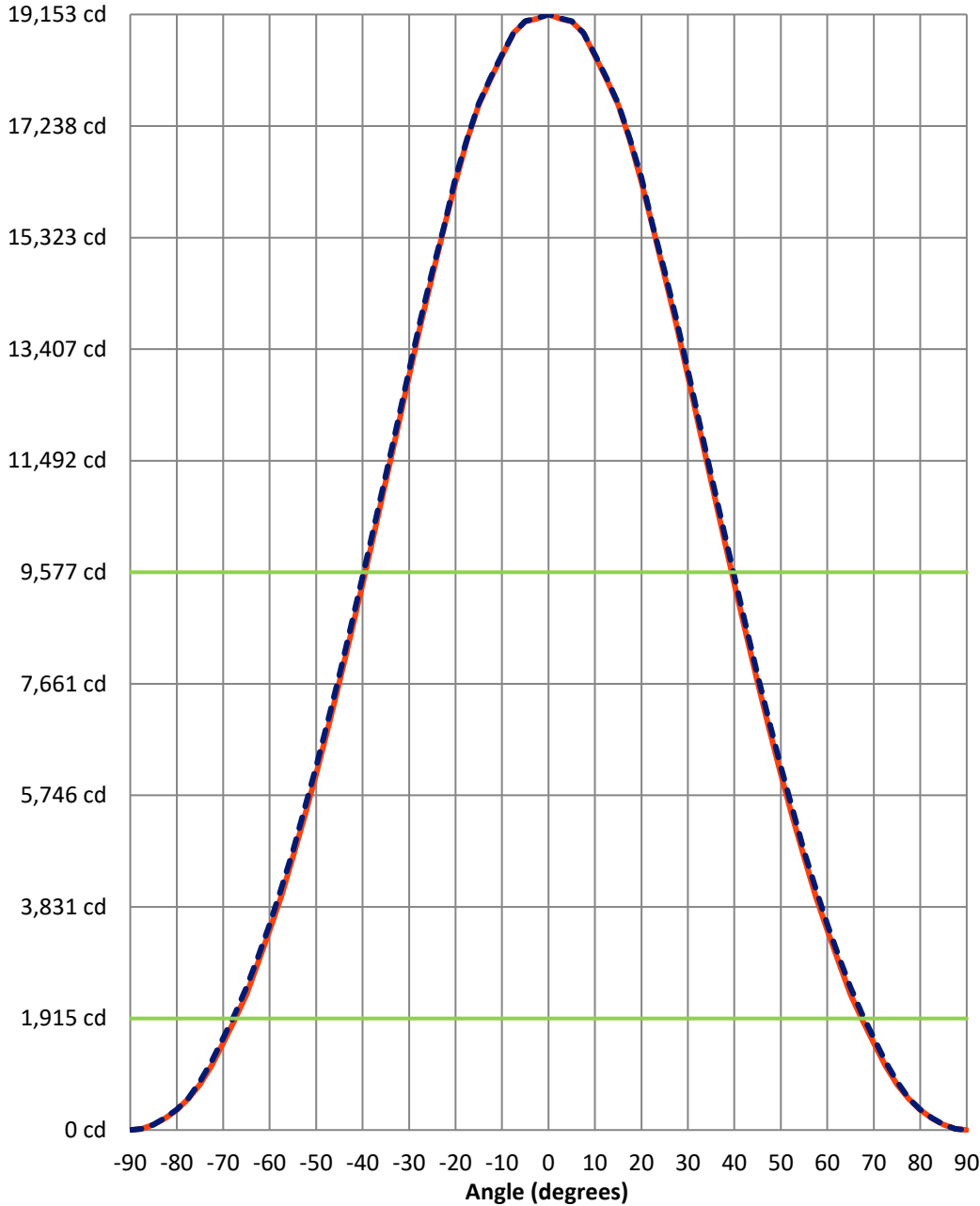
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 79.6°  
 V Angle: 78.9°  
 Lumens: 20303.6  
 Efficiency: 58.7%

**Field:**  
 H Angle: 135.9°  
 V Angle: 134.8°  
 Lumens: 33002.3  
 Efficiency: 95.3%

**Spill:**  
 Lumens: 1615.6  
 Efficiency: 4.7%

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

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Scaled Data Report



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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	1.1	2.5	3.7	5.0	6.2	7.4	8.6	9.8	11.0	12.1
85°	0.0	2.2	5.0	7.5	10.0	12.4	14.8	17.2	19.6	21.9	24.2
82.5°	0.0	3.3	7.5	11.2	14.9	18.6	22.2	25.8	32.3	50.9	68.7
80°	0.0	4.3	9.9	14.9	19.8	24.7	33.4	59.5	84.7	108.8	131.9
77.5°	0.0	5.4	12.3	18.6	24.7	38.8	72.9	105.8	136.7	166.4	203.2
75°	0.0	6.5	14.7	22.2	32.2	67.1	111.4	151.7	190.4	243.5	299.9
72.5°	0.0	7.5	17.0	25.8	51.4	94.6	148.7	201.0	261.7	326.4	394.9
70°	0.0	8.5	19.3	30.9	69.9	121.2	185.9	260.2	331.6	407.8	496.8
67.5°	0.0	9.5	21.5	42.4	87.7	146.6	230.7	318.0	400.0	496.2	598.3
65°	0.0	10.5	23.7	53.4	104.7	175.1	273.5	374.2	473.8	581.9	693.2
62.5°	0.0	11.4	25.7	63.9	120.8	206.2	314.1	432.9	545.1	663.9	778.1
60°	0.0	12.3	27.7	73.9	136.0	235.7	352.3	491.1	613.8	740.6	861.8
57.5°	0.0	13.2	33.3	83.2	156.1	263.4	392.6	545.4	681.5	816.1	941.2
55°	0.0	14.0	38.8	91.9	175.4	289.2	430.8	592.3	748.1	888.9	1017.4
52.5°	0.0	14.8	44.0	100.0	193.2	313.6	466.2	641.1	813.2	955.9	1091.6
50°	0.0	15.6	49.0	107.3	209.7	339.6	498.5	687.5	875.0	1020.9	1176.7
47.5°	0.0	16.3	53.8	115.0	224.7	363.3	528.9	730.5	930.9	1083.9	1260.1
45°	0.0	17.0	58.4	124.9	238.2	384.7	562.6	770.3	974.4	1155.1	1339.9
42.5°	0.0	17.6	62.7	134.0	250.2	403.7	593.6	806.8	1016.1	1223.3	1433.8
40°	0.0	18.2	66.7	143.2	262.2	420.4	621.7	841.3	1059.4	1287.2	1525.3
37.5°	0.0	18.8	70.5	152.3	274.1	434.5	646.8	874.1	1108.0	1347.8	1611.1
35°	0.0	19.3	74.1	160.8	284.3	450.9	668.9	905.0	1155.4	1417.6	1697.6
32.5°	0.0	19.8	77.3	168.7	292.9	467.4	689.5	933.9	1201.4	1484.6	1789.2
30°	0.0	20.2	80.3	175.8	299.8	481.4	710.8	962.8	1245.7	1548.7	1874.8
27.5°	0.0	20.5	82.9	182.3	310.0	493.0	729.9	996.4	1291.4	1609.6	1954.2
25°	0.0	20.9	85.3	188.2	319.6	502.2	746.8	1027.6	1339.0	1671.5	2027.7
22.5°	0.0	21.1	87.4	193.3	328.1	511.4	761.2	1056.2	1382.8	1730.1	2105.9
20°	0.0	21.4	89.3	197.7	335.4	524.1	773.1	1081.9	1422.6	1782.5	2176.1
17.5°	0.0	21.5	90.8	201.5	341.6	534.5	788.1	1104.5	1458.0	1828.5	2237.9
15°	0.0	21.7	92.0	204.5	346.5	542.6	803.6	1126.1	1488.9	1867.9	2291.3
12.5°	0.0	21.8	92.9	206.8	350.3	548.4	816.2	1146.4	1516.7	1900.6	2335.9
10°	0.0	21.8	93.6	208.5	352.9	552.0	825.8	1162.0	1540.8	1931.4	2373.5
7.5°	0.0	21.8	93.9	209.4	354.3	553.5	832.4	1172.9	1559.3	1956.1	2406.0
5°	0.0	21.7	94.0	209.7	354.6	552.9	835.8	1179.1	1572.1	1974.0	2429.3
2.5°	0.0	21.6	93.8	209.3	353.8	550.2	835.9	1180.6	1578.8	1984.9	2443.3
0°	0.0	21.5	93.3	208.2	351.8	545.6	832.8	1177.3	1579.4	1988.6	2448.0
-2.5°	0.0	21.6	93.8	209.3	353.8	550.2	835.9	1180.6	1578.8	1984.9	2443.3
-5°	0.0	21.7	94.0	209.7	354.6	552.9	835.8	1179.1	1572.1	1974.0	2429.3
-7.5°	0.0	21.8	93.9	209.4	354.3	553.5	832.4	1172.9	1559.3	1956.1	2406.0
-10°	0.0	21.8	93.6	208.5	352.9	552.0	825.8	1162.0	1540.8	1931.4	2373.5
-12.5°	0.0	21.8	92.9	206.8	350.3	548.4	816.2	1146.4	1516.7	1900.6	2335.9
-15°	0.0	21.7	92.0	204.5	346.5	542.6	803.6	1126.1	1488.9	1867.9	2291.3
-17.5°	0.0	21.5	90.8	201.5	341.6	534.5	788.1	1104.5	1458.0	1828.5	2237.9
-20°	0.0	21.4	89.3	197.7	335.4	524.1	773.1	1081.9	1422.6	1782.5	2176.1



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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	21.1	87.4	193.3	328.1	511.4	761.2	1056.2	1382.8	1730.1	2105.9
-25°	0.0	20.9	85.3	188.2	319.6	502.2	746.8	1027.6	1339.0	1671.5	2027.7
-27.5°	0.0	20.5	82.9	182.3	310.0	493.0	729.9	996.4	1291.4	1609.6	1954.2
-30°	0.0	20.2	80.3	175.8	299.8	481.4	710.8	962.8	1245.7	1548.7	1874.8
-32.5°	0.0	19.8	77.3	168.7	292.9	467.4	689.5	933.9	1201.4	1484.6	1789.2
-35°	0.0	19.3	74.1	160.8	284.3	450.9	668.9	905.0	1155.4	1417.6	1697.6
-37.5°	0.0	18.8	70.5	152.3	274.1	434.5	646.8	874.1	1108.0	1347.8	1611.1
-40°	0.0	18.2	66.7	143.2	262.2	420.4	621.7	841.3	1059.4	1287.2	1525.3
-42.5°	0.0	17.6	62.7	134.0	250.2	403.7	593.6	806.8	1016.1	1223.3	1433.8
-45°	0.0	17.0	58.4	124.9	238.2	384.7	562.6	770.3	974.4	1155.1	1339.9
-47.5°	0.0	16.3	53.8	115.0	224.7	363.3	528.9	730.5	930.9	1083.9	1260.1
-50°	0.0	15.6	49.0	107.3	209.7	339.6	498.5	687.5	875.0	1020.9	1176.7
-52.5°	0.0	14.8	44.0	100.0	193.2	313.6	466.2	641.1	813.2	955.9	1091.6
-55°	0.0	14.0	38.8	91.9	175.4	289.2	430.8	592.3	748.1	888.9	1017.4
-57.5°	0.0	13.2	33.3	83.2	156.1	263.4	392.6	545.4	681.5	816.1	941.2
-60°	0.0	12.3	27.7	73.9	136.0	235.7	352.3	491.1	613.8	740.6	861.8
-62.5°	0.0	11.4	25.7	63.9	120.8	206.2	314.1	432.9	545.1	663.9	778.1
-65°	0.0	10.5	23.7	53.4	104.7	175.1	273.5	374.2	473.8	581.9	693.2
-67.5°	0.0	9.5	21.5	42.4	87.7	146.6	230.7	318.0	400.0	496.2	598.3
-70°	0.0	8.5	19.3	30.9	69.9	121.2	185.9	260.2	331.6	407.8	496.8
-72.5°	0.0	7.5	17.0	25.8	51.4	94.6	148.7	201.0	261.7	326.4	394.9
-75°	0.0	6.5	14.7	22.2	32.2	67.1	111.4	151.7	190.4	243.5	299.9
-77.5°	0.0	5.4	12.3	18.6	24.7	38.8	72.9	105.8	136.7	166.4	203.2
-80°	0.0	4.3	9.9	14.9	19.8	24.7	33.4	59.5	84.7	108.8	131.9
-82.5°	0.0	3.3	7.5	11.2	14.9	18.6	22.2	25.8	32.3	50.9	68.7
-85°	0.0	2.2	5.0	7.5	10.0	12.4	14.8	17.2	19.6	21.9	24.2
-87.5°	0.0	1.1	2.5	3.7	5.0	6.2	7.4	8.6	9.8	11.0	12.1
-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):**

	-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°	14.1	16.1	18.3	20.6	20.8	20.8	20.6	20.3	21.2	22.0	22.8
85°	28.1	32.2	44.7	56.8	62.7	66.2	67.9	67.6	78.6	91.3	105.2
82.5°	87.3	105.3	122.5	138.9	143.1	143.2	141.7	142.2	168.0	197.6	228.0
80°	155.6	178.4	208.7	235.5	247.2	253.2	256.0	255.6	288.2	331.7	377.5
77.5°	246.8	285.2	318.6	347.1	362.4	376.0	387.0	395.5	437.5	492.5	547.1
75°	350.7	392.9	434.7	471.3	496.8	515.8	533.4	561.8	616.8	681.0	736.9
72.5°	460.3	514.2	560.9	600.5	636.4	674.5	717.1	763.7	821.8	885.8	944.3
70°	577.4	636.6	685.5	733.3	782.2	839.2	903.1	966.0	1030.7	1101.4	1169.5
67.5°	692.0	749.1	806.7	867.0	940.1	1016.4	1091.9	1178.7	1267.4	1346.0	1416.3
65°	791.5	858.5	930.5	1012.3	1102.6	1199.6	1300.4	1404.4	1517.0	1611.3	1697.3
62.5°	886.5	967.1	1054.6	1156.5	1271.7	1386.5	1515.2	1645.4	1772.1	1883.3	1986.0
60°	974.1	1071.6	1182.4	1307.3	1441.7	1594.4	1740.9	1889.0	2028.0	2153.9	2283.8
57.5°	1059.4	1182.1	1314.9	1464.9	1634.9	1806.4	1978.6	2137.9	2295.2	2448.6	2595.5
55°	1149.5	1297.4	1455.5	1639.5	1831.1	2033.9	2219.4	2397.2	2570.5	2756.7	2933.6
52.5°	1248.7	1413.9	1611.8	1817.8	2039.1	2256.8	2460.5	2663.1	2872.6	3083.2	3313.6
50°	1344.5	1550.5	1767.3	2006.8	2245.9	2479.1	2712.8	2946.1	3197.1	3455.4	3716.4
47.5°	1456.4	1681.1	1937.3	2194.1	2455.4	2715.0	2975.3	3257.3	3542.4	3842.0	4130.8
45°	1569.6	1822.3	2098.3	2388.7	2671.3	2958.6	3263.1	3574.7	3909.0	4238.6	4585.9
42.5°	1676.9	1962.5	2266.8	2580.4	2894.8	3215.8	3550.6	3914.6	4280.0	4660.0	5041.8
40°	1795.8	2095.9	2431.4	2776.9	3118.0	3473.8	3856.4	4250.7	4664.1	5082.0	5496.6
37.5°	1910.0	2240.0	2592.6	2964.5	3347.3	3738.4	4153.8	4601.4	5049.7	5499.4	5956.5
35°	2017.1	2376.6	2758.6	3153.4	3559.3	4004.1	4468.6	4946.3	5432.1	5918.5	6410.2
32.5°	2127.2	2505.4	2917.1	3339.7	3786.9	4264.0	4772.7	5290.4	5807.7	6327.1	6865.4
30°	2237.5	2640.5	3070.7	3515.8	4005.0	4524.8	5071.6	5619.9	6167.2	6738.8	7312.4
27.5°	2341.8	2768.7	3221.6	3697.9	4214.1	4766.4	5347.0	5934.4	6524.5	7132.2	7744.0
25°	2437.9	2890.1	3361.7	3873.1	4420.2	4998.8	5603.7	6216.7	6863.8	7514.0	8152.9
22.5°	2531.4	3001.5	3491.4	4034.5	4607.0	5214.6	5844.4	6491.8	7168.0	7866.3	8527.4
20°	2621.5	3107.7	3617.6	4180.8	4774.2	5408.9	6063.3	6741.1	7450.6	8167.6	8878.7
17.5°	2701.5	3202.1	3735.1	4317.5	4933.9	5586.5	6260.5	6960.6	7701.6	8444.9	9198.4
15°	2771.2	3284.2	3836.8	4436.9	5075.0	5748.0	6443.5	7163.6	7923.7	8697.6	9480.9
12.5°	2830.1	3353.8	3922.5	4538.3	5194.7	5886.4	6600.8	7346.1	8126.8	8922.3	9728.4
10°	2877.9	3410.5	3991.9	4621.2	5292.5	6000.9	6730.3	7496.7	8300.7	9113.6	9936.6
7.5°	2918.7	3457.8	4046.8	4685.2	5367.9	6090.5	6831.2	7614.1	8439.2	9262.7	10103.8
5°	2948.3	3496.0	4097.4	4738.7	5433.4	6160.5	6907.6	7697.8	8540.6	9368.8	10225.0
2.5°	2966.1	3520.9	4131.7	4773.5	5484.9	6213.0	6975.5	7771.7	8614.8	9453.1	10316.2
0°	2972.1	3532.0	4149.4	4788.3	5513.4	6238.5	7013.8	7810.6	8650.6	9504.9	10373.5
-2.5°	2966.1	3520.9	4131.7	4773.5	5484.9	6213.0	6975.5	7771.7	8614.8	9453.1	10316.2
-5°	2948.3	3496.0	4097.4	4738.7	5433.4	6160.5	6907.6	7697.8	8540.6	9368.8	10225.0
-7.5°	2918.7	3457.8	4046.8	4685.2	5367.9	6090.5	6831.2	7614.1	8439.2	9262.7	10103.8
-10°	2877.9	3410.5	3991.9	4621.2	5292.5	6000.9	6730.3	7496.7	8300.7	9113.6	9936.6
-12.5°	2830.1	3353.8	3922.5	4538.3	5194.7	5886.4	6600.8	7346.1	8126.8	8922.3	9728.4
-15°	2771.2	3284.2	3836.8	4436.9	5075.0	5748.0	6443.5	7163.6	7923.7	8697.6	9480.9
-17.5°	2701.5	3202.1	3735.1	4317.5	4933.9	5586.5	6260.5	6960.6	7701.6	8444.9	9198.4
-20°	2621.5	3107.7	3617.6	4180.8	4774.2	5408.9	6063.3	6741.1	7450.6	8167.6	8878.7



REPORT NUMBER: P627521 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-735-U-VWR-XX

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	2531.4	3001.5	3491.4	4034.5	4607.0	5214.6	5844.4	6491.8	7168.0	7866.3	8527.4
-25°	2437.9	2890.1	3361.7	3873.1	4420.2	4998.8	5603.7	6216.7	6863.8	7514.0	8152.9
-27.5°	2341.8	2768.7	3221.6	3697.9	4214.1	4766.4	5347.0	5934.4	6524.5	7132.2	7744.0
-30°	2237.5	2640.5	3070.7	3515.8	4005.0	4524.8	5071.6	5619.9	6167.2	6738.8	7312.4
-32.5°	2127.2	2505.4	2917.1	3339.7	3786.9	4264.0	4772.7	5290.4	5807.7	6327.1	6865.4
-35°	2017.1	2376.6	2758.6	3153.4	3559.3	4004.1	4468.6	4946.3	5432.1	5918.5	6410.2
-37.5°	1910.0	2240.0	2592.6	2964.5	3347.3	3738.4	4153.8	4601.4	5049.7	5499.4	5956.5
-40°	1795.8	2095.9	2431.4	2776.9	3118.0	3473.8	3856.4	4250.7	4664.1	5082.0	5496.6
-42.5°	1676.9	1962.5	2266.8	2580.4	2894.8	3215.8	3550.6	3914.6	4280.0	4660.0	5041.8
-45°	1569.6	1822.3	2098.3	2388.7	2671.3	2958.6	3263.1	3574.7	3909.0	4238.6	4585.9
-47.5°	1456.4	1681.1	1937.3	2194.1	2455.4	2715.0	2975.3	3257.3	3542.4	3842.0	4130.8
-50°	1344.5	1550.5	1767.3	2006.8	2245.9	2479.1	2712.8	2946.1	3197.1	3455.4	3716.4
-52.5°	1248.7	1413.9	1611.8	1817.8	2039.1	2256.8	2460.5	2663.1	2872.6	3083.2	3313.6
-55°	1149.5	1297.4	1455.5	1639.5	1831.1	2033.9	2219.4	2397.2	2570.5	2756.7	2933.6
-57.5°	1059.4	1182.1	1314.9	1464.9	1634.9	1806.4	1978.6	2137.9	2295.2	2448.6	2595.5
-60°	974.1	1071.6	1182.4	1307.3	1441.7	1594.4	1740.9	1889.0	2028.0	2153.9	2283.8
-62.5°	886.5	967.1	1054.6	1156.5	1271.7	1386.5	1515.2	1645.4	1772.1	1883.3	1986.0
-65°	791.5	858.5	930.5	1012.3	1102.6	1199.6	1300.4	1404.4	1517.0	1611.3	1697.3
-67.5°	692.0	749.1	806.7	867.0	940.1	1016.4	1091.9	1178.7	1267.4	1346.0	1416.3
-70°	577.4	636.6	685.5	733.3	782.2	839.2	903.1	966.0	1030.7	1101.4	1169.5
-72.5°	460.3	514.2	560.9	600.5	636.4	674.5	717.1	763.7	821.8	885.8	944.3
-75°	350.7	392.9	434.7	471.3	496.8	515.8	533.4	561.8	616.8	681.0	736.9
-77.5°	246.8	285.2	318.6	347.1	362.4	376.0	387.0	395.5	437.5	492.5	547.1
-80°	155.6	178.4	208.7	235.5	247.2	253.2	256.0	255.6	288.2	331.7	377.5
-82.5°	87.3	105.3	122.5	138.9	143.1	143.2	141.7	142.2	168.0	197.6	228.0
-85°	28.1	32.2	44.7	56.8	62.7	66.2	67.9	67.6	78.6	91.3	105.2
-87.5°	14.1	16.1	18.3	20.6	20.8	20.8	20.6	20.3	21.2	22.0	22.8
-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: P627521 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-735-U-VWR-XX

**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°	23.5	24.2	24.9	25.5	26.0	26.5	27.0	27.4	27.7	26.3	24.7
85°	119.9	128.4	136.3	143.9	151.1	158.0	164.4	170.4	175.9	160.6	143.8
82.5°	259.0	279.7	299.5	319.2	338.6	343.6	345.1	344.4	341.7	314.9	285.3
80°	422.7	457.9	491.1	524.0	556.5	560.1	556.4	549.7	540.2	505.1	465.3
77.5°	601.5	645.8	684.6	720.1	752.4	758.5	757.6	756.0	753.4	717.5	674.2
75°	784.7	828.0	869.8	905.4	935.0	948.6	955.3	960.0	962.6	936.9	903.2
72.5°	997.1	1042.2	1079.1	1113.6	1142.8	1163.9	1179.1	1190.6	1198.4	1190.6	1176.8
70°	1227.6	1276.0	1316.7	1355.7	1395.3	1427.0	1451.0	1468.4	1479.4	1486.7	1491.7
67.5°	1487.2	1552.2	1608.8	1657.2	1705.1	1750.0	1786.9	1817.0	1840.3	1860.0	1875.2
65°	1779.7	1862.7	1936.3	2003.8	2065.8	2130.9	2184.3	2229.2	2265.2	2295.1	2319.0
62.5°	2087.2	2188.9	2283.4	2375.0	2464.8	2553.2	2621.1	2683.0	2738.0	2785.2	2822.8
60°	2406.7	2522.3	2649.0	2770.0	2881.4	2983.1	3084.2	3171.7	3246.6	3308.7	3358.9
57.5°	2750.1	2899.8	3047.9	3198.2	3340.2	3473.1	3597.5	3707.3	3800.0	3876.1	3940.0
55°	3121.1	3308.3	3480.1	3669.7	3852.9	4019.7	4166.5	4295.6	4407.2	4500.7	4580.0
52.5°	3528.9	3756.4	3979.7	4195.4	4403.4	4596.8	4772.7	4923.0	5056.6	5171.2	5262.6
50°	3975.3	4235.6	4494.3	4734.3	4973.3	5196.2	5397.7	5572.1	5727.6	5862.3	5968.3
47.5°	4442.1	4738.3	5027.3	5302.0	5566.5	5814.3	6032.5	6231.2	6425.2	6583.4	6708.4
45°	4926.8	5259.1	5577.9	5892.0	6183.2	6460.9	6730.1	6977.7	7176.7	7351.0	7497.3
42.5°	5417.4	5788.1	6145.1	6487.7	6807.9	7129.1	7431.9	7702.6	7929.5	8127.6	8293.9
40°	5914.4	6320.2	6713.5	7087.1	7453.2	7803.4	8130.9	8416.3	8672.2	8907.5	9103.6
37.5°	6408.9	6855.4	7291.1	7709.6	8112.6	8492.1	8845.9	9168.4	9457.2	9725.3	9943.0
35°	6905.6	7395.4	7872.4	8332.9	8773.2	9191.9	9579.4	9946.3	10286.7	10558.2	10780.9
32.5°	7400.3	7926.9	8446.1	8953.1	9435.0	9886.3	10306.1	10711.6	11061.7	11360.1	11616.2
30°	7879.1	8449.5	9014.9	9564.6	10085.1	10574.2	11039.1	11467.8	11844.4	12170.8	12457.9
27.5°	8348.9	8961.8	9568.4	10155.6	10718.4	11249.9	11757.2	12222.1	12633.0	12987.7	13290.5
25°	8792.9	9451.7	10098.2	10720.8	11322.1	11908.3	12456.0	12963.4	13402.3	13791.7	14102.9
22.5°	9217.1	9919.6	10599.0	11254.0	11897.1	12529.0	13128.7	13658.4	14123.6	14530.7	14875.0
20°	9612.3	10365.1	11060.2	11752.9	12430.3	13105.0	13748.9	14307.8	14800.0	15233.4	15613.0
17.5°	9981.7	10753.9	11485.8	12223.3	12937.3	13645.0	14299.1	14898.3	15429.4	15889.5	16287.1
15°	10294.5	11074.3	11873.6	12661.0	13413.9	14130.6	14784.1	15409.9	15999.7	16497.3	16900.4
12.5°	10547.7	11358.7	12192.5	13028.5	13824.7	14540.5	15224.6	15859.5	16478.8	17037.8	17408.4
10°	10763.6	11598.6	12459.4	13312.0	14118.8	14876.2	15620.0	16291.2	16899.8	17400.5	17814.3
7.5°	10950.2	11810.4	12684.6	13538.5	14342.7	15125.3	15891.0	16603.8	17218.2	17689.9	18059.0
5°	11087.8	11968.4	12859.6	13721.3	14536.8	15321.8	16091.1	16794.9	17394.7	17874.6	18277.1
2.5°	11186.3	12075.1	12972.7	13835.7	14669.2	15456.2	16244.6	16956.5	17537.3	17977.0	18362.4
0°	11249.3	12139.5	13044.1	13927.1	14745.5	15506.4	16353.5	17021.2	17624.2	18062.1	18464.1
-2.5°	11186.3	12075.1	12972.7	13835.7	14669.2	15456.2	16244.6	16956.5	17537.3	17977.0	18362.4
-5°	11087.8	11968.4	12859.6	13721.3	14536.8	15321.8	16091.1	16794.9	17394.7	17874.6	18277.1
-7.5°	10950.2	11810.4	12684.6	13538.5	14342.7	15125.3	15891.0	16603.8	17218.2	17689.9	18059.0
-10°	10763.6	11598.6	12459.4	13312.0	14118.8	14876.2	15620.0	16291.2	16899.8	17400.5	17814.3
-12.5°	10547.7	11358.7	12192.5	13028.5	13824.7	14540.5	15224.6	15859.5	16478.8	17037.8	17408.4
-15°	10294.5	11074.3	11873.6	12661.0	13413.9	14130.6	14784.1	15409.9	15999.7	16497.3	16900.4
-17.5°	9981.7	10753.9	11485.8	12223.3	12937.3	13645.0	14299.1	14898.3	15429.4	15889.5	16287.1
-20°	9612.3	10365.1	11060.2	11752.9	12430.3	13105.0	13748.9	14307.8	14800.0	15233.4	15613.0

Classified

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

Scaled Data Report



REPORT NUMBER: P627521 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-735-U-VWR-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	9217.1	9919.6	10599.0	11254.0	11897.1	12529.0	13128.7	13658.4	14123.6	14530.7	14875.0
-25°	8792.9	9451.7	10098.2	10720.8	11322.1	11908.3	12456.0	12963.4	13402.3	13791.7	14102.9
-27.5°	8348.9	8961.8	9568.4	10155.6	10718.4	11249.9	11757.2	12222.1	12633.0	12987.7	13290.5
-30°	7879.1	8449.5	9014.9	9564.6	10085.1	10574.2	11039.1	11467.8	11844.4	12170.8	12457.9
-32.5°	7400.3	7926.9	8446.1	8953.1	9435.0	9886.3	10306.1	10711.6	11061.7	11360.1	11616.2
-35°	6905.6	7395.4	7872.4	8332.9	8773.2	9191.9	9579.4	9946.3	10286.7	10558.2	10780.9
-37.5°	6408.9	6855.4	7291.1	7709.6	8112.6	8492.1	8845.9	9168.4	9457.2	9725.3	9943.0
-40°	5914.4	6320.2	6713.5	7087.1	7453.2	7803.4	8130.9	8416.3	8672.2	8907.5	9103.6
-42.5°	5417.4	5788.1	6145.1	6487.7	6807.9	7129.1	7431.9	7702.6	7929.5	8127.6	8293.9
-45°	4926.8	5259.1	5577.9	5892.0	6183.2	6460.9	6730.1	6977.7	7176.7	7351.0	7497.3
-47.5°	4442.1	4738.3	5027.3	5302.0	5566.5	5814.3	6032.5	6231.2	6425.2	6583.4	6708.4
-50°	3975.3	4235.6	4494.3	4734.3	4973.3	5196.2	5397.7	5572.1	5727.6	5862.3	5968.3
-52.5°	3528.9	3756.4	3979.7	4195.4	4403.4	4596.8	4772.7	4923.0	5056.6	5171.2	5262.6
-55°	3121.1	3308.3	3480.1	3669.7	3852.9	4019.7	4166.5	4295.6	4407.2	4500.7	4580.0
-57.5°	2750.1	2899.8	3047.9	3198.2	3340.2	3473.1	3597.5	3707.3	3800.0	3876.1	3940.0
-60°	2406.7	2522.3	2649.0	2770.0	2881.4	2983.1	3084.2	3171.7	3246.6	3308.7	3358.9
-62.5°	2087.2	2188.9	2283.4	2375.0	2464.8	2553.2	2621.1	2683.0	2738.0	2785.2	2822.8
-65°	1779.7	1862.7	1936.3	2003.8	2065.8	2130.9	2184.3	2229.2	2265.2	2295.1	2319.0
-67.5°	1487.2	1552.2	1608.8	1657.2	1705.1	1750.0	1786.9	1817.0	1840.3	1860.0	1875.2
-70°	1227.6	1276.0	1316.7	1355.7	1395.3	1427.0	1451.0	1468.4	1479.4	1486.7	1491.7
-72.5°	997.1	1042.2	1079.1	1113.6	1142.8	1163.9	1179.1	1190.6	1198.4	1190.6	1176.8
-75°	784.7	828.0	869.8	905.4	935.0	948.6	955.3	960.0	962.6	936.9	903.2
-77.5°	601.5	645.8	684.6	720.1	752.4	758.5	757.6	756.0	753.4	717.5	674.2
-80°	422.7	457.9	491.1	524.0	556.5	560.1	556.4	549.7	540.2	505.1	465.3
-82.5°	259.0	279.7	299.5	319.2	338.6	343.6	345.1	344.4	341.7	314.9	285.3
-85°	119.9	128.4	136.3	143.9	151.1	158.0	164.4	170.4	175.9	160.6	143.8
-87.5°	23.5	24.2	24.9	25.5	26.0	26.5	27.0	27.4	27.7	26.3	24.7
-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: P627521 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-735-U-VWR-XX

**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°	23.1	21.4	21.5	21.5	21.5	21.4	23.1	24.7	26.3	27.7	27.4
85°	125.9	107.2	100.4	93.3	100.4	107.2	125.9	143.8	160.6	175.9	170.4
82.5°	254.1	221.8	211.5	201.0	211.5	221.8	254.1	285.3	314.9	341.7	344.4
80°	423.4	379.5	362.2	344.6	362.2	379.5	423.4	465.3	505.1	540.2	549.7
77.5°	628.3	580.1	559.5	538.4	559.5	580.1	628.3	674.2	717.5	753.4	756.0
75°	867.7	830.0	807.1	782.5	807.1	830.0	867.7	903.2	936.9	962.6	960.0
72.5°	1161.0	1142.6	1125.9	1105.6	1125.9	1142.6	1161.0	1176.8	1190.6	1198.4	1190.6
70°	1493.5	1491.1	1494.1	1493.2	1494.1	1491.1	1493.5	1491.7	1486.7	1479.4	1468.4
67.5°	1883.1	1883.6	1891.6	1895.2	1891.6	1883.6	1883.1	1875.2	1860.0	1840.3	1817.0
65°	2333.8	2339.3	2337.3	2326.0	2337.3	2339.3	2333.8	2319.0	2295.1	2265.2	2229.2
62.5°	2849.6	2865.0	2873.6	2871.6	2873.6	2865.0	2849.6	2822.8	2785.2	2738.0	2683.0
60°	3396.3	3420.5	3432.8	3431.5	3432.8	3420.5	3396.3	3358.9	3308.7	3246.6	3171.7
57.5°	3987.6	4018.7	4026.0	4013.0	4026.0	4018.7	3987.6	3940.0	3876.1	3800.0	3707.3
55°	4639.9	4679.7	4695.1	4687.8	4695.1	4679.7	4639.9	4580.0	4500.7	4407.2	4295.6
52.5°	5329.6	5372.7	5388.0	5377.0	5388.0	5372.7	5329.6	5262.6	5171.2	5056.6	4923.0
50°	6046.0	6098.2	6119.2	6109.2	6119.2	6098.2	6046.0	5968.3	5862.3	5727.6	5572.1
47.5°	6806.5	6875.9	6902.9	6884.6	6902.9	6875.9	6806.5	6708.4	6583.4	6425.2	6231.2
45°	7606.7	7678.7	7706.6	7688.6	7706.6	7678.7	7606.7	7497.3	7351.0	7176.7	6977.7
42.5°	8421.1	8514.7	8554.2	8521.4	8554.2	8514.7	8421.1	8293.9	8127.6	7929.5	7702.6
40°	9249.9	9351.5	9398.4	9375.6	9398.4	9351.5	9249.9	9103.6	8907.5	8672.2	8416.3
37.5°	10100.1	10201.2	10250.8	10251.5	10250.8	10201.2	10100.1	9943.0	9725.3	9457.2	9168.4
35°	10953.4	11075.7	11145.0	11141.7	11145.0	11075.7	10953.4	10780.9	10558.2	10286.7	9946.3
32.5°	11818.6	11951.1	12021.9	12031.8	12021.9	11951.1	11818.6	11616.2	11360.1	11061.7	10711.6
30°	12682.3	12828.1	12910.0	12943.6	12910.0	12828.1	12682.3	12457.9	12170.8	11844.4	11467.8
27.5°	13520.0	13699.3	13823.0	13833.7	13823.0	13699.3	13520.0	13290.5	12987.7	12633.0	12222.1
25°	14331.3	14513.8	14640.6	14666.5	14640.6	14513.8	14331.3	14102.9	13791.7	13402.3	12963.4
22.5°	15130.9	15321.6	15438.8	15484.9	15438.8	15321.6	15130.9	14875.0	14530.7	14123.6	13658.4
20°	15894.2	16100.9	16225.1	16274.6	16225.1	16100.9	15894.2	15613.0	15233.4	14800.0	14307.8
17.5°	16584.7	16803.2	16956.5	16999.6	16956.5	16803.2	16584.7	16287.1	15889.5	15429.4	14898.3
15°	17192.4	17399.6	17545.2	17602.7	17545.2	17399.6	17192.4	16900.4	16497.3	15999.7	15409.9
12.5°	17687.0	17872.4	17986.4	18040.6	17986.4	17872.4	17687.0	17408.4	17037.8	16478.8	15859.5
10°	18073.5	18259.4	18368.3	18442.6	18368.3	18259.4	18073.5	17814.3	17400.5	16899.8	16291.2
7.5°	18408.9	18599.4	18732.7	18837.4	18732.7	18599.4	18408.9	18059.0	17689.9	17218.2	16603.8
5°	18594.0	18912.2	18960.0	19031.3	18960.0	18912.2	18594.0	18277.1	17874.6	17394.7	16794.9
2.5°	18735.3	18960.8	19096.5	19081.5	19096.5	18960.8	18735.3	18362.4	17977.0	17537.3	16956.5
0°	18837.4	19038.4	19088.7	19153.3	19088.7	19038.4	18837.4	18464.1	18062.1	17624.2	17021.2
-2.5°	18735.3	18960.8	19096.5	19081.5	19096.5	18960.8	18735.3	18362.4	17977.0	17537.3	16956.5
-5°	18594.0	18912.2	18960.0	19031.3	18960.0	18912.2	18594.0	18277.1	17874.6	17394.7	16794.9
-7.5°	18408.9	18599.4	18732.7	18837.4	18732.7	18599.4	18408.9	18059.0	17689.9	17218.2	16603.8
-10°	18073.5	18259.4	18368.3	18442.6	18368.3	18259.4	18073.5	17814.3	17400.5	16899.8	16291.2
-12.5°	17687.0	17872.4	17986.4	18040.6	17986.4	17872.4	17687.0	17408.4	17037.8	16478.8	15859.5
-15°	17192.4	17399.6	17545.2	17602.7	17545.2	17399.6	17192.4	16900.4	16497.3	15999.7	15409.9
-17.5°	16584.7	16803.2	16956.5	16999.6	16956.5	16803.2	16584.7	16287.1	15889.5	15429.4	14898.3
-20°	15894.2	16100.9	16225.1	16274.6	16225.1	16100.9	15894.2	15613.0	15233.4	14800.0	14307.8



REPORT NUMBER: P627521 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4E-735-U-VWR-XX

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	15130.9	15321.6	15438.8	15484.9	15438.8	15321.6	15130.9	14875.0	14530.7	14123.6	13658.4
-25°	14331.3	14513.8	14640.6	14666.5	14640.6	14513.8	14331.3	14102.9	13791.7	13402.3	12963.4
-27.5°	13520.0	13699.3	13823.0	13833.7	13823.0	13699.3	13520.0	13290.5	12987.7	12633.0	12222.1
-30°	12682.3	12828.1	12910.0	12943.6	12910.0	12828.1	12682.3	12457.9	12170.8	11844.4	11467.8
-32.5°	11818.6	11951.1	12021.9	12031.8	12021.9	11951.1	11818.6	11616.2	11360.1	11061.7	10711.6
-35°	10953.4	11075.7	11145.0	11141.7	11145.0	11075.7	10953.4	10780.9	10558.2	10286.7	9946.3
-37.5°	10100.1	10201.2	10250.8	10251.5	10250.8	10201.2	10100.1	9943.0	9725.3	9457.2	9168.4
-40°	9249.9	9351.5	9398.4	9375.6	9398.4	9351.5	9249.9	9103.6	8907.5	8672.2	8416.3
-42.5°	8421.1	8514.7	8554.2	8521.4	8554.2	8514.7	8421.1	8293.9	8127.6	7929.5	7702.6
-45°	7606.7	7678.7	7706.6	7688.6	7706.6	7678.7	7606.7	7497.3	7351.0	7176.7	6977.7
-47.5°	6806.5	6875.9	6902.9	6884.6	6902.9	6875.9	6806.5	6708.4	6583.4	6425.2	6231.2
-50°	6046.0	6098.2	6119.2	6109.2	6119.2	6098.2	6046.0	5968.3	5862.3	5727.6	5572.1
-52.5°	5329.6	5372.7	5388.0	5377.0	5388.0	5372.7	5329.6	5262.6	5171.2	5056.6	4923.0
-55°	4639.9	4679.7	4695.1	4687.8	4695.1	4679.7	4639.9	4580.0	4500.7	4407.2	4295.6
-57.5°	3987.6	4018.7	4026.0	4013.0	4026.0	4018.7	3987.6	3940.0	3876.1	3800.0	3707.3
-60°	3396.3	3420.5	3432.8	3431.5	3432.8	3420.5	3396.3	3358.9	3308.7	3246.6	3171.7
-62.5°	2849.6	2865.0	2873.6	2871.6	2873.6	2865.0	2849.6	2822.8	2785.2	2738.0	2683.0
-65°	2333.8	2339.3	2337.3	2326.0	2337.3	2339.3	2333.8	2319.0	2295.1	2265.2	2229.2
-67.5°	1883.1	1883.6	1891.6	1895.2	1891.6	1883.6	1883.1	1875.2	1860.0	1840.3	1817.0
-70°	1493.5	1491.1	1494.1	1493.2	1494.1	1491.1	1493.5	1491.7	1486.7	1479.4	1468.4
-72.5°	1161.0	1142.6	1125.9	1105.6	1125.9	1142.6	1161.0	1176.8	1190.6	1198.4	1190.6
-75°	867.7	830.0	807.1	782.5	807.1	830.0	867.7	903.2	936.9	962.6	960.0
-77.5°	628.3	580.1	559.5	538.4	559.5	580.1	628.3	674.2	717.5	753.4	756.0
-80°	423.4	379.5	362.2	344.6	362.2	379.5	423.4	465.3	505.1	540.2	549.7
-82.5°	254.1	221.8	211.5	201.0	211.5	221.8	254.1	285.3	314.9	341.7	344.4
-85°	125.9	107.2	100.4	93.3	100.4	107.2	125.9	143.8	160.6	175.9	170.4
-87.5°	23.1	21.4	21.5	21.5	21.5	21.4	23.1	24.7	26.3	27.7	27.4
-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: P627521 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-735-U-VWR-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°	27.0	26.5	26.0	25.5	24.9	24.2	23.5	22.8	22.0	21.2	20.3
85°	164.4	158.0	151.1	143.9	136.3	128.4	119.9	105.2	91.3	78.6	67.6
82.5°	345.1	343.6	338.6	319.2	299.5	279.7	259.0	228.0	197.6	168.0	142.2
80°	556.4	560.1	556.5	524.0	491.1	457.9	422.7	377.5	331.7	288.2	255.6
77.5°	757.6	758.5	752.4	720.1	684.6	645.8	601.5	547.1	492.5	437.5	395.5
75°	955.3	948.6	935.0	905.4	869.8	828.0	784.7	736.9	681.0	616.8	561.8
72.5°	1179.1	1163.9	1142.8	1113.6	1079.1	1042.2	997.1	944.3	885.8	821.8	763.7
70°	1451.0	1427.0	1395.3	1355.7	1316.7	1276.0	1227.6	1169.5	1101.4	1030.7	966.0
67.5°	1786.9	1750.0	1705.1	1657.2	1608.8	1552.2	1487.2	1416.3	1346.0	1267.4	1178.7
65°	2184.3	2130.9	2065.8	2003.8	1936.3	1862.7	1779.7	1697.3	1611.3	1517.0	1404.4
62.5°	2621.1	2553.2	2464.8	2375.0	2283.4	2188.9	2087.2	1986.0	1883.3	1772.1	1645.4
60°	3084.2	2983.1	2881.4	2770.0	2649.0	2522.3	2406.7	2283.8	2153.9	2028.0	1889.0
57.5°	3597.5	3473.1	3340.2	3198.2	3047.9	2899.8	2750.1	2595.5	2448.6	2295.2	2137.9
55°	4166.5	4019.7	3852.9	3669.7	3480.1	3308.3	3121.1	2933.6	2756.7	2570.5	2397.2
52.5°	4772.7	4596.8	4403.4	4195.4	3979.7	3756.4	3528.9	3313.6	3083.2	2872.6	2663.1
50°	5397.7	5196.2	4973.3	4734.3	4494.3	4235.6	3975.3	3716.4	3455.4	3197.1	2946.1
47.5°	6032.5	5814.3	5566.5	5302.0	5027.3	4738.3	4442.1	4130.8	3842.0	3542.4	3257.3
45°	6730.1	6460.9	6183.2	5892.0	5577.9	5259.1	4926.8	4585.9	4238.6	3909.0	3574.7
42.5°	7431.9	7129.1	6807.9	6487.7	6145.1	5788.1	5417.4	5041.8	4660.0	4280.0	3914.6
40°	8130.9	7803.4	7453.2	7087.1	6713.5	6320.2	5914.4	5496.6	5082.0	4664.1	4250.7
37.5°	8845.9	8492.1	8112.6	7709.6	7291.1	6855.4	6408.9	5956.5	5499.4	5049.7	4601.4
35°	9579.4	9191.9	8773.2	8332.9	7872.4	7395.4	6905.6	6410.2	5918.5	5432.1	4946.3
32.5°	10306.1	9886.3	9435.0	8953.1	8446.1	7926.9	7400.3	6865.4	6327.1	5807.7	5290.4
30°	11039.1	10574.2	10085.1	9564.6	9014.9	8449.5	7879.1	7312.4	6738.8	6167.2	5619.9
27.5°	11757.2	11249.9	10718.4	10155.6	9568.4	8961.8	8348.9	7744.0	7132.2	6524.5	5934.4
25°	12456.0	11908.3	11322.1	10720.8	10098.2	9451.7	8792.9	8152.9	7514.0	6863.8	6216.7
22.5°	13128.7	12529.0	11897.1	11254.0	10599.0	9919.6	9217.1	8527.4	7866.3	7168.0	6491.8
20°	13748.9	13105.0	12430.3	11752.9	11060.2	10365.1	9612.3	8878.7	8167.6	7450.6	6741.1
17.5°	14299.1	13645.0	12937.3	12223.3	11485.8	10753.9	9981.7	9198.4	8444.9	7701.6	6960.6
15°	14784.1	14130.6	13413.9	12661.0	11873.6	11074.3	10294.5	9480.9	8697.6	7923.7	7163.6
12.5°	15224.6	14540.5	13824.7	13028.5	12192.5	11358.7	10547.7	9728.4	8922.3	8126.8	7346.1
10°	15620.0	14876.2	14118.8	13312.0	12459.4	11598.6	10763.6	9936.6	9113.6	8300.7	7496.7
7.5°	15891.0	15125.3	14342.7	13538.5	12684.6	11810.4	10950.2	10103.8	9262.7	8439.2	7614.1
5°	16091.1	15321.8	14536.8	13721.3	12859.6	11968.4	11087.8	10225.0	9368.8	8540.6	7697.8
2.5°	16244.6	15456.2	14669.2	13835.7	12972.7	12075.1	11186.3	10316.2	9453.1	8614.8	7771.7
0°	16353.5	15506.4	14745.5	13927.1	13044.1	12139.5	11249.3	10373.5	9504.9	8650.6	7810.6
-2.5°	16244.6	15456.2	14669.2	13835.7	12972.7	12075.1	11186.3	10316.2	9453.1	8614.8	7771.7
-5°	16091.1	15321.8	14536.8	13721.3	12859.6	11968.4	11087.8	10225.0	9368.8	8540.6	7697.8
-7.5°	15891.0	15125.3	14342.7	13538.5	12684.6	11810.4	10950.2	10103.8	9262.7	8439.2	7614.1
-10°	15620.0	14876.2	14118.8	13312.0	12459.4	11598.6	10763.6	9936.6	9113.6	8300.7	7496.7
-12.5°	15224.6	14540.5	13824.7	13028.5	12192.5	11358.7	10547.7	9728.4	8922.3	8126.8	7346.1
-15°	14784.1	14130.6	13413.9	12661.0	11873.6	11074.3	10294.5	9480.9	8697.6	7923.7	7163.6
-17.5°	14299.1	13645.0	12937.3	12223.3	11485.8	10753.9	9981.7	9198.4	8444.9	7701.6	6960.6
-20°	13748.9	13105.0	12430.3	11752.9	11060.2	10365.1	9612.3	8878.7	8167.6	7450.6	6741.1



REPORT NUMBER: P627521 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4E-735-U-VWR-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	13128.7	12529.0	11897.1	11254.0	10599.0	9919.6	9217.1	8527.4	7866.3	7168.0	6491.8
-25°	12456.0	11908.3	11322.1	10720.8	10098.2	9451.7	8792.9	8152.9	7514.0	6863.8	6216.7
-27.5°	11757.2	11249.9	10718.4	10155.6	9568.4	8961.8	8348.9	7744.0	7132.2	6524.5	5934.4
-30°	11039.1	10574.2	10085.1	9564.6	9014.9	8449.5	7879.1	7312.4	6738.8	6167.2	5619.9
-32.5°	10306.1	9886.3	9435.0	8953.1	8446.1	7926.9	7400.3	6865.4	6327.1	5807.7	5290.4
-35°	9579.4	9191.9	8773.2	8332.9	7872.4	7395.4	6905.6	6410.2	5918.5	5432.1	4946.3
-37.5°	8845.9	8492.1	8112.6	7709.6	7291.1	6855.4	6408.9	5956.5	5499.4	5049.7	4601.4
-40°	8130.9	7803.4	7453.2	7087.1	6713.5	6320.2	5914.4	5496.6	5082.0	4664.1	4250.7
-42.5°	7431.9	7129.1	6807.9	6487.7	6145.1	5788.1	5417.4	5041.8	4660.0	4280.0	3914.6
-45°	6730.1	6460.9	6183.2	5892.0	5577.9	5259.1	4926.8	4585.9	4238.6	3909.0	3574.7
-47.5°	6032.5	5814.3	5566.5	5302.0	5027.3	4738.3	4442.1	4130.8	3842.0	3542.4	3257.3
-50°	5397.7	5196.2	4973.3	4734.3	4494.3	4235.6	3975.3	3716.4	3455.4	3197.1	2946.1
-52.5°	4772.7	4596.8	4403.4	4195.4	3979.7	3756.4	3528.9	3313.6	3083.2	2872.6	2663.1
-55°	4166.5	4019.7	3852.9	3669.7	3480.1	3308.3	3121.1	2933.6	2756.7	2570.5	2397.2
-57.5°	3597.5	3473.1	3340.2	3198.2	3047.9	2899.8	2750.1	2595.5	2448.6	2295.2	2137.9
-60°	3084.2	2983.1	2881.4	2770.0	2649.0	2522.3	2406.7	2283.8	2153.9	2028.0	1889.0
-62.5°	2621.1	2553.2	2464.8	2375.0	2283.4	2188.9	2087.2	1986.0	1883.3	1772.1	1645.4
-65°	2184.3	2130.9	2065.8	2003.8	1936.3	1862.7	1779.7	1697.3	1611.3	1517.0	1404.4
-67.5°	1786.9	1750.0	1705.1	1657.2	1608.8	1552.2	1487.2	1416.3	1346.0	1267.4	1178.7
-70°	1451.0	1427.0	1395.3	1355.7	1316.7	1276.0	1227.6	1169.5	1101.4	1030.7	966.0
-72.5°	1179.1	1163.9	1142.8	1113.6	1079.1	1042.2	997.1	944.3	885.8	821.8	763.7
-75°	955.3	948.6	935.0	905.4	869.8	828.0	784.7	736.9	681.0	616.8	561.8
-77.5°	757.6	758.5	752.4	720.1	684.6	645.8	601.5	547.1	492.5	437.5	395.5
-80°	556.4	560.1	556.5	524.0	491.1	457.9	422.7	377.5	331.7	288.2	255.6
-82.5°	345.1	343.6	338.6	319.2	299.5	279.7	259.0	228.0	197.6	168.0	142.2
-85°	164.4	158.0	151.1	143.9	136.3	128.4	119.9	105.2	91.3	78.6	67.6
-87.5°	27.0	26.5	26.0	25.5	24.9	24.2	23.5	22.8	22.0	21.2	20.3
-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: P627521 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4E-735-U-VWR-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°	20.6	20.8	20.8	20.6	18.3	16.1	14.1	12.1	11.0	9.8	8.6
85°	67.9	66.2	62.7	56.8	44.7	32.2	28.1	24.2	21.9	19.6	17.2
82.5°	141.7	143.2	143.1	138.9	122.5	105.3	87.3	68.7	50.9	32.3	25.8
80°	256.0	253.2	247.2	235.5	208.7	178.4	155.6	131.9	108.8	84.7	59.5
77.5°	387.0	376.0	362.4	347.1	318.6	285.2	246.8	203.2	166.4	136.7	105.8
75°	533.4	515.8	496.8	471.3	434.7	392.9	350.7	299.9	243.5	190.4	151.7
72.5°	717.1	674.5	636.4	600.5	560.9	514.2	460.3	394.9	326.4	261.7	201.0
70°	903.1	839.2	782.2	733.3	685.5	636.6	577.4	496.8	407.8	331.6	260.2
67.5°	1091.9	1016.4	940.1	867.0	806.7	749.1	692.0	598.3	496.2	400.0	318.0
65°	1300.4	1199.6	1102.6	1012.3	930.5	858.5	791.5	693.2	581.9	473.8	374.2
62.5°	1515.2	1386.5	1271.7	1156.5	1054.6	967.1	886.5	778.1	663.9	545.1	432.9
60°	1740.9	1594.4	1441.7	1307.3	1182.4	1071.6	974.1	861.8	740.6	613.8	491.1
57.5°	1978.6	1806.4	1634.9	1464.9	1314.9	1182.1	1059.4	941.2	816.1	681.5	545.4
55°	2219.4	2033.9	1831.1	1639.5	1455.5	1297.4	1149.5	1017.4	888.9	748.1	592.3
52.5°	2460.5	2256.8	2039.1	1817.8	1611.8	1413.9	1248.7	1091.6	955.9	813.2	641.1
50°	2712.8	2479.1	2245.9	2006.8	1767.3	1550.5	1344.5	1176.7	1020.9	875.0	687.5
47.5°	2975.3	2715.0	2455.4	2194.1	1937.3	1681.1	1456.4	1260.1	1083.9	930.9	730.5
45°	3263.1	2958.6	2671.3	2388.7	2098.3	1822.3	1569.6	1339.9	1155.1	974.4	770.3
42.5°	3550.6	3215.8	2894.8	2580.4	2266.8	1962.5	1676.9	1433.8	1223.3	1016.1	806.8
40°	3856.4	3473.8	3118.0	2776.9	2431.4	2095.9	1795.8	1525.3	1287.2	1059.4	841.3
37.5°	4153.8	3738.4	3347.3	2964.5	2592.6	2240.0	1910.0	1611.1	1347.8	1108.0	874.1
35°	4468.6	4004.1	3559.3	3153.4	2758.6	2376.6	2017.1	1697.6	1417.6	1155.4	905.0
32.5°	4772.7	4264.0	3786.9	3339.7	2917.1	2505.4	2127.2	1789.2	1484.6	1201.4	933.9
30°	5071.6	4524.8	4005.0	3515.8	3070.7	2640.5	2237.5	1874.8	1548.7	1245.7	962.8
27.5°	5347.0	4766.4	4214.1	3697.9	3221.6	2768.7	2341.8	1954.2	1609.6	1291.4	996.4
25°	5603.7	4998.8	4420.2	3873.1	3361.7	2890.1	2437.9	2027.7	1671.5	1339.0	1027.6
22.5°	5844.4	5214.6	4607.0	4034.5	3491.4	3001.5	2531.4	2105.9	1730.1	1382.8	1056.2
20°	6063.3	5408.9	4774.2	4180.8	3617.6	3107.7	2621.5	2176.1	1782.5	1422.6	1081.9
17.5°	6260.5	5586.5	4933.9	4317.5	3735.1	3202.1	2701.5	2237.9	1828.5	1458.0	1104.5
15°	6443.5	5748.0	5075.0	4436.9	3836.8	3284.2	2771.2	2291.3	1867.9	1488.9	1126.1
12.5°	6600.8	5886.4	5194.7	4538.3	3922.5	3353.8	2830.1	2335.9	1900.6	1516.7	1146.4
10°	6730.3	6000.9	5292.5	4621.2	3991.9	3410.5	2877.9	2373.5	1931.4	1540.8	1162.0
7.5°	6831.2	6090.5	5367.9	4685.2	4046.8	3457.8	2918.7	2406.0	1956.1	1559.3	1172.9
5°	6907.6	6160.5	5433.4	4738.7	4097.4	3496.0	2948.3	2429.3	1974.0	1572.1	1179.1
2.5°	6975.5	6213.0	5484.9	4773.5	4131.7	3520.9	2966.1	2443.3	1984.9	1578.8	1180.6
0°	7013.8	6238.5	5513.4	4788.3	4149.4	3532.0	2972.1	2448.0	1988.6	1579.4	1177.3
-2.5°	6975.5	6213.0	5484.9	4773.5	4131.7	3520.9	2966.1	2443.3	1984.9	1578.8	1180.6
-5°	6907.6	6160.5	5433.4	4738.7	4097.4	3496.0	2948.3	2429.3	1974.0	1572.1	1179.1
-7.5°	6831.2	6090.5	5367.9	4685.2	4046.8	3457.8	2918.7	2406.0	1956.1	1559.3	1172.9
-10°	6730.3	6000.9	5292.5	4621.2	3991.9	3410.5	2877.9	2373.5	1931.4	1540.8	1162.0
-12.5°	6600.8	5886.4	5194.7	4538.3	3922.5	3353.8	2830.1	2335.9	1900.6	1516.7	1146.4
-15°	6443.5	5748.0	5075.0	4436.9	3836.8	3284.2	2771.2	2291.3	1867.9	1488.9	1126.1
-17.5°	6260.5	5586.5	4933.9	4317.5	3735.1	3202.1	2701.5	2237.9	1828.5	1458.0	1104.5
-20°	6063.3	5408.9	4774.2	4180.8	3617.6	3107.7	2621.5	2176.1	1782.5	1422.6	1081.9



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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°	5844.4	5214.6	4607.0	4034.5	3491.4	3001.5	2531.4	2105.9	1730.1	1382.8	1056.2
-25°	5603.7	4998.8	4420.2	3873.1	3361.7	2890.1	2437.9	2027.7	1671.5	1339.0	1027.6
-27.5°	5347.0	4766.4	4214.1	3697.9	3221.6	2768.7	2341.8	1954.2	1609.6	1291.4	996.4
-30°	5071.6	4524.8	4005.0	3515.8	3070.7	2640.5	2237.5	1874.8	1548.7	1245.7	962.8
-32.5°	4772.7	4264.0	3786.9	3339.7	2917.1	2505.4	2127.2	1789.2	1484.6	1201.4	933.9
-35°	4468.6	4004.1	3559.3	3153.4	2758.6	2376.6	2017.1	1697.6	1417.6	1155.4	905.0
-37.5°	4153.8	3738.4	3347.3	2964.5	2592.6	2240.0	1910.0	1611.1	1347.8	1108.0	874.1
-40°	3856.4	3473.8	3118.0	2776.9	2431.4	2095.9	1795.8	1525.3	1287.2	1059.4	841.3
-42.5°	3550.6	3215.8	2894.8	2580.4	2266.8	1962.5	1676.9	1433.8	1223.3	1016.1	806.8
-45°	3263.1	2958.6	2671.3	2388.7	2098.3	1822.3	1569.6	1339.9	1155.1	974.4	770.3
-47.5°	2975.3	2715.0	2455.4	2194.1	1937.3	1681.1	1456.4	1260.1	1083.9	930.9	730.5
-50°	2712.8	2479.1	2245.9	2006.8	1767.3	1550.5	1344.5	1176.7	1020.9	875.0	687.5
-52.5°	2460.5	2256.8	2039.1	1817.8	1611.8	1413.9	1248.7	1091.6	955.9	813.2	641.1
-55°	2219.4	2033.9	1831.1	1639.5	1455.5	1297.4	1149.5	1017.4	888.9	748.1	592.3
-57.5°	1978.6	1806.4	1634.9	1464.9	1314.9	1182.1	1059.4	941.2	816.1	681.5	545.4
-60°	1740.9	1594.4	1441.7	1307.3	1182.4	1071.6	974.1	861.8	740.6	613.8	491.1
-62.5°	1515.2	1386.5	1271.7	1156.5	1054.6	967.1	886.5	778.1	663.9	545.1	432.9
-65°	1300.4	1199.6	1102.6	1012.3	930.5	858.5	791.5	693.2	581.9	473.8	374.2
-67.5°	1091.9	1016.4	940.1	867.0	806.7	749.1	692.0	598.3	496.2	400.0	318.0
-70°	903.1	839.2	782.2	733.3	685.5	636.6	577.4	496.8	407.8	331.6	260.2
-72.5°	717.1	674.5	636.4	600.5	560.9	514.2	460.3	394.9	326.4	261.7	201.0
-75°	533.4	515.8	496.8	471.3	434.7	392.9	350.7	299.9	243.5	190.4	151.7
-77.5°	387.0	376.0	362.4	347.1	318.6	285.2	246.8	203.2	166.4	136.7	105.8
-80°	256.0	253.2	247.2	235.5	208.7	178.4	155.6	131.9	108.8	84.7	59.5
-82.5°	141.7	143.2	143.1	138.9	122.5	105.3	87.3	68.7	50.9	32.3	25.8
-85°	67.9	66.2	62.7	56.8	44.7	32.2	28.1	24.2	21.9	19.6	17.2
-87.5°	20.6	20.8	20.8	20.6	18.3	16.1	14.1	12.1	11.0	9.8	8.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CATALOG NUMBER: GFLD-SA4E-735-U-VWR-XX

**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°	7.4	6.2	5.0	3.7	2.5	1.1	0.0
85°	14.8	12.4	10.0	7.5	5.0	2.2	0.0
82.5°	22.2	18.6	14.9	11.2	7.5	3.3	0.0
80°	33.4	24.7	19.8	14.9	9.9	4.3	0.0
77.5°	72.9	38.8	24.7	18.6	12.3	5.4	0.0
75°	111.4	67.1	32.2	22.2	14.7	6.5	0.0
72.5°	148.7	94.6	51.4	25.8	17.0	7.5	0.0
70°	185.9	121.2	69.9	30.9	19.3	8.5	0.0
67.5°	230.7	146.6	87.7	42.4	21.5	9.5	0.0
65°	273.5	175.1	104.7	53.4	23.7	10.5	0.0
62.5°	314.1	206.2	120.8	63.9	25.7	11.4	0.0
60°	352.3	235.7	136.0	73.9	27.7	12.3	0.0
57.5°	392.6	263.4	156.1	83.2	33.3	13.2	0.0
55°	430.8	289.2	175.4	91.9	38.8	14.0	0.0
52.5°	466.2	313.6	193.2	100.0	44.0	14.8	0.0
50°	498.5	339.6	209.7	107.3	49.0	15.6	0.0
47.5°	528.9	363.3	224.7	115.0	53.8	16.3	0.0
45°	562.6	384.7	238.2	124.9	58.4	17.0	0.0
42.5°	593.6	403.7	250.2	134.0	62.7	17.6	0.0
40°	621.7	420.4	262.2	143.2	66.7	18.2	0.0
37.5°	646.8	434.5	274.1	152.3	70.5	18.8	0.0
35°	668.9	450.9	284.3	160.8	74.1	19.3	0.0
32.5°	689.5	467.4	292.9	168.7	77.3	19.8	0.0
30°	710.8	481.4	299.8	175.8	80.3	20.2	0.0
27.5°	729.9	493.0	310.0	182.3	82.9	20.5	0.0
25°	746.8	502.2	319.6	188.2	85.3	20.9	0.0
22.5°	761.2	511.4	328.1	193.3	87.4	21.1	0.0
20°	773.1	524.1	335.4	197.7	89.3	21.4	0.0
17.5°	788.1	534.5	341.6	201.5	90.8	21.5	0.0
15°	803.6	542.6	346.5	204.5	92.0	21.7	0.0
12.5°	816.2	548.4	350.3	206.8	92.9	21.8	0.0
10°	825.8	552.0	352.9	208.5	93.6	21.8	0.0
7.5°	832.4	553.5	354.3	209.4	93.9	21.8	0.0
5°	835.8	552.9	354.6	209.7	94.0	21.7	0.0
2.5°	835.9	550.2	353.8	209.3	93.8	21.6	0.0
0°	832.8	545.6	351.8	208.2	93.3	21.5	0.0
-2.5°	835.9	550.2	353.8	209.3	93.8	21.6	0.0
-5°	835.8	552.9	354.6	209.7	94.0	21.7	0.0
-7.5°	832.4	553.5	354.3	209.4	93.9	21.8	0.0
-10°	825.8	552.0	352.9	208.5	93.6	21.8	0.0
-12.5°	816.2	548.4	350.3	206.8	92.9	21.8	0.0
-15°	803.6	542.6	346.5	204.5	92.0	21.7	0.0
-17.5°	788.1	534.5	341.6	201.5	90.8	21.5	0.0
-20°	773.1	524.1	335.4	197.7	89.3	21.4	0.0

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CATALOG NUMBER: GFLD-SA4E-735-U-VWR-XX

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	761.2	511.4	328.1	193.3	87.4	21.1	0.0
-25°	746.8	502.2	319.6	188.2	85.3	20.9	0.0
-27.5°	729.9	493.0	310.0	182.3	82.9	20.5	0.0
-30°	710.8	481.4	299.8	175.8	80.3	20.2	0.0
-32.5°	689.5	467.4	292.9	168.7	77.3	19.8	0.0
-35°	668.9	450.9	284.3	160.8	74.1	19.3	0.0
-37.5°	646.8	434.5	274.1	152.3	70.5	18.8	0.0
-40°	621.7	420.4	262.2	143.2	66.7	18.2	0.0
-42.5°	593.6	403.7	250.2	134.0	62.7	17.6	0.0
-45°	562.6	384.7	238.2	124.9	58.4	17.0	0.0
-47.5°	528.9	363.3	224.7	115.0	53.8	16.3	0.0
-50°	498.5	339.6	209.7	107.3	49.0	15.6	0.0
-52.5°	466.2	313.6	193.2	100.0	44.0	14.8	0.0
-55°	430.8	289.2	175.4	91.9	38.8	14.0	0.0
-57.5°	392.6	263.4	156.1	83.2	33.3	13.2	0.0
-60°	352.3	235.7	136.0	73.9	27.7	12.3	0.0
-62.5°	314.1	206.2	120.8	63.9	25.7	11.4	0.0
-65°	273.5	175.1	104.7	53.4	23.7	10.5	0.0
-67.5°	230.7	146.6	87.7	42.4	21.5	9.5	0.0
-70°	185.9	121.2	69.9	30.9	19.3	8.5	0.0
-72.5°	148.7	94.6	51.4	25.8	17.0	7.5	0.0
-75°	111.4	67.1	32.2	22.2	14.7	6.5	0.0
-77.5°	72.9	38.8	24.7	18.6	12.3	5.4	0.0
-80°	33.4	24.7	19.8	14.9	9.9	4.3	0.0
-82.5°	22.2	18.6	14.9	11.2	7.5	3.3	0.0
-85°	14.8	12.4	10.0	7.5	5.0	2.2	0.0
-87.5°	7.4	6.2	5.0	3.7	2.5	1.1	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)