

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: P627600 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5B-750-U-VWR-VSR-XX**

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P627600 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-18)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 12/7/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GFLD-SA5B-750-U-VWR-VSR-XX  
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N7 WITH VISOR  
Light Source: (80) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

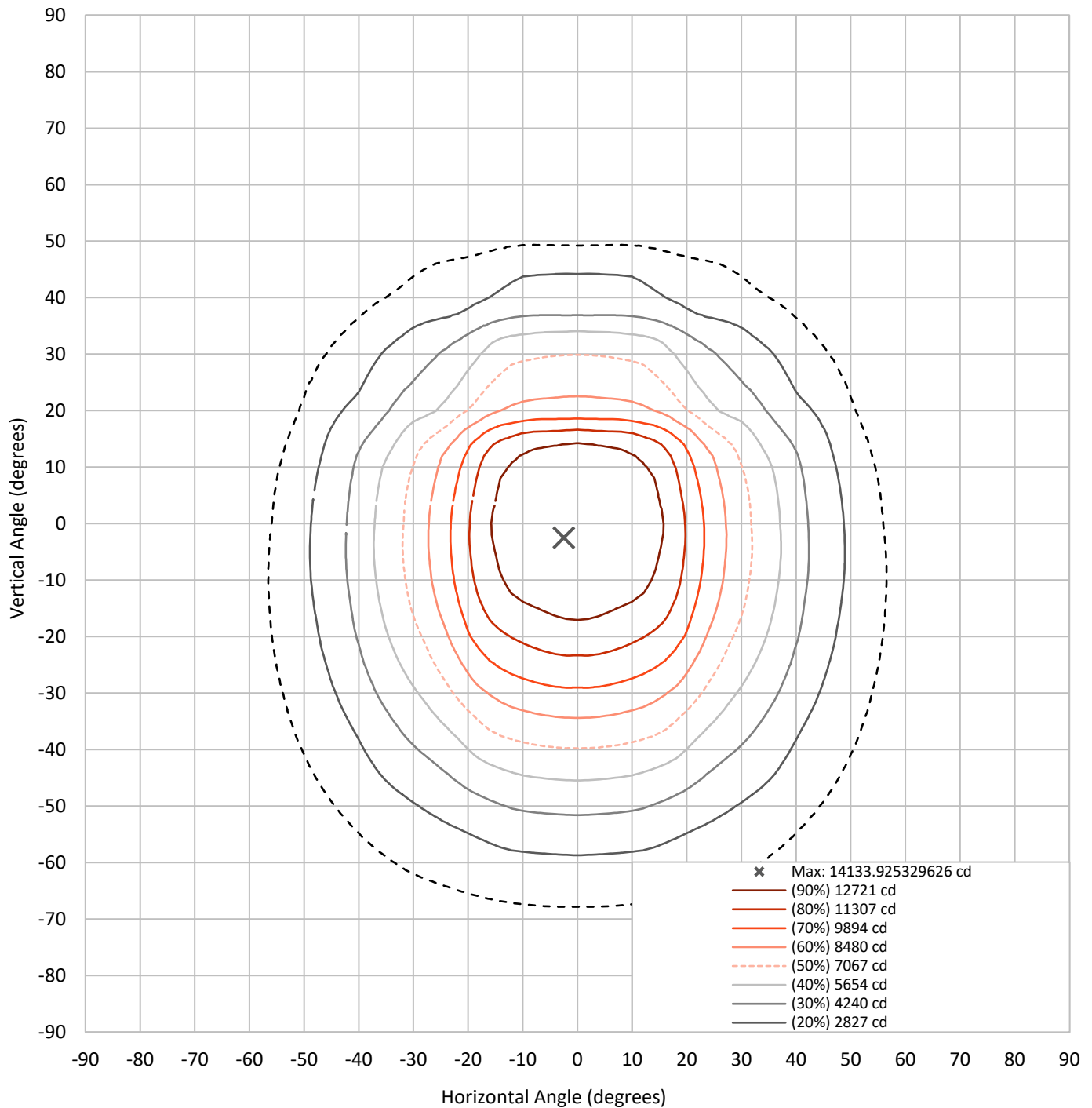
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	18862.2 lumens	Max Intensity:	14133.9 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x -2.5°V
Efficacy:	118.9 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	63.9°H x 69.6°V	Field Angle (10%):	112.5°H x 117.1°V
Beam Lumens:	10913 lumens	Field Lumens:	17899 lumens
Beam Efficiency:	57.9%	Field Efficiency:	94.9%
Input Watts (W):	158.7		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		



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### Iso-Candela Plot

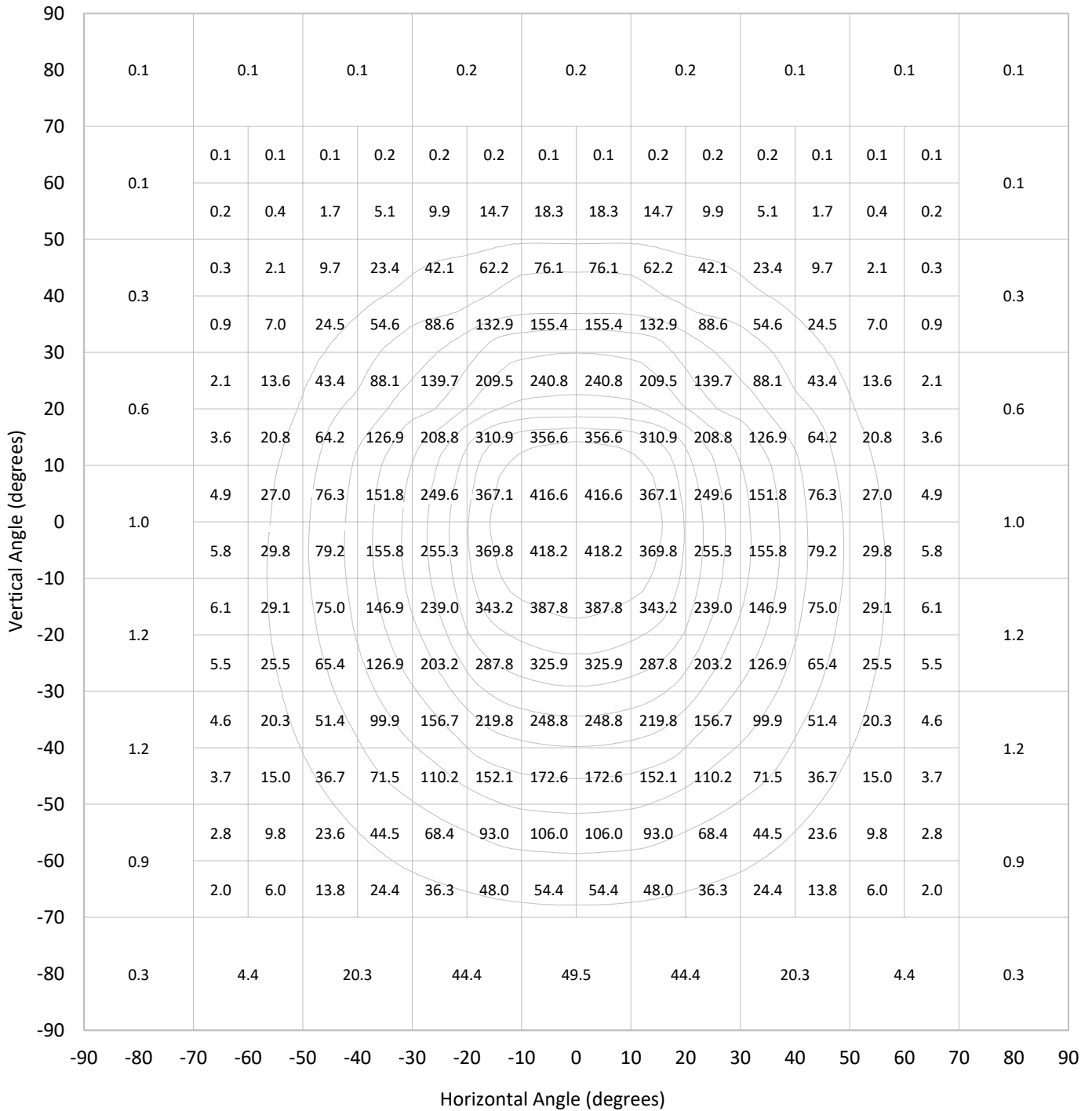




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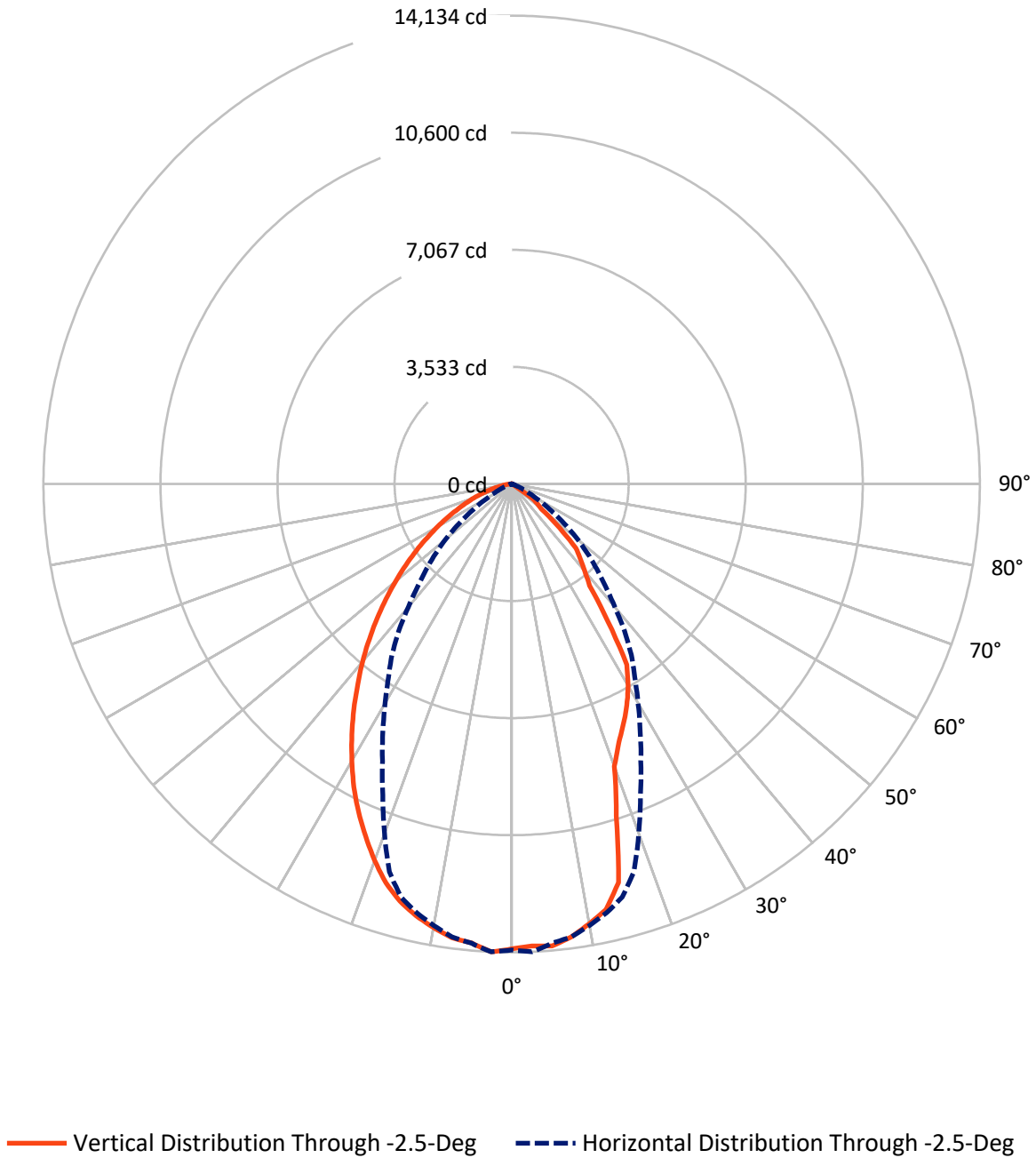
CATALOG NUMBER: GFLD-SA5B-750-U-VWR-VSR-XX

### Lumen Table



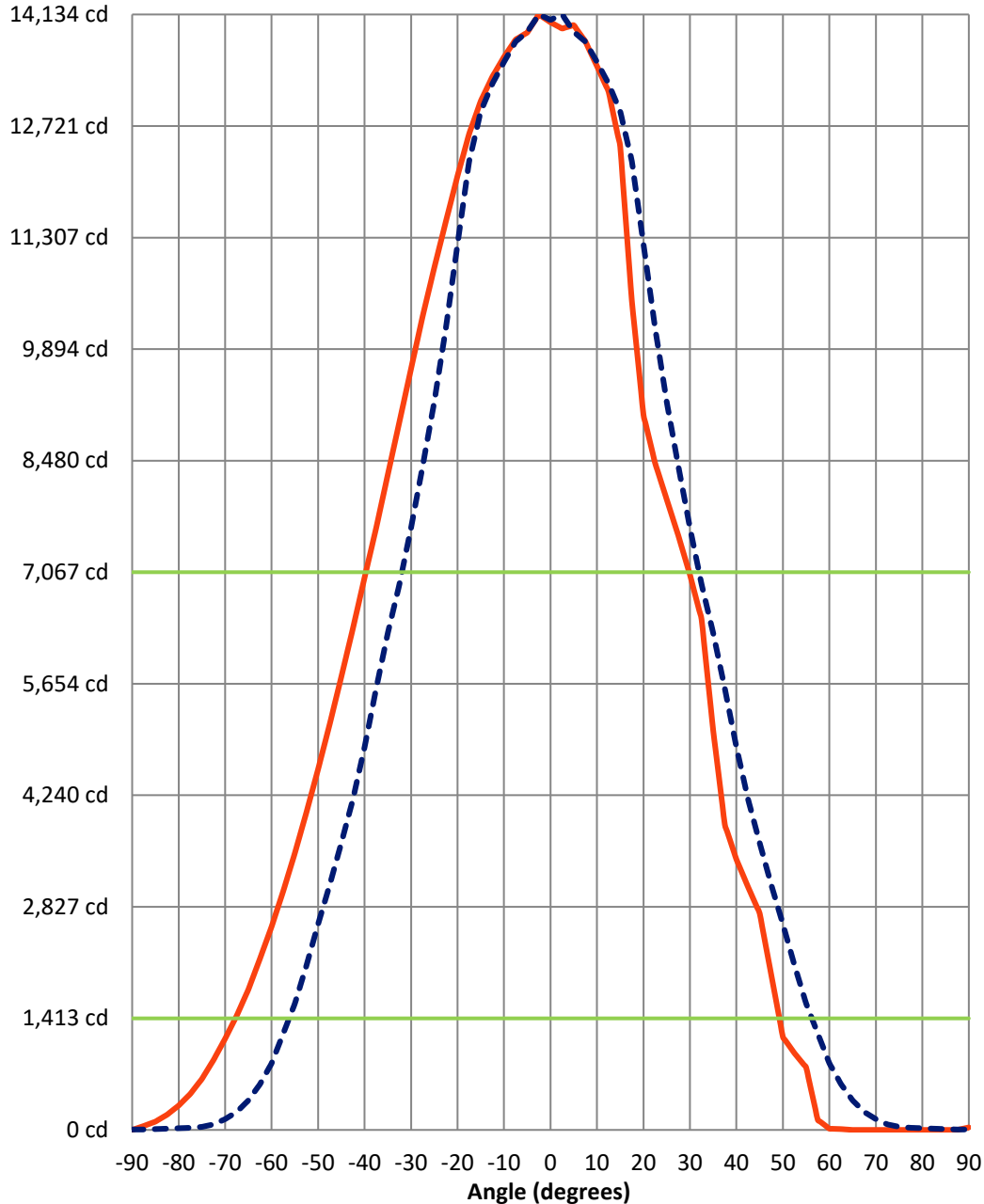
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 63.9°  
 V Angle: 69.6°  
 Lumens: 10913  
 Efficiency: 57.9%

**Field:**  
 H Angle: 112.5°  
 V Angle: 117.1°  
 Lumens: 17899  
 Efficiency: 94.9%

**Spill:**  
 Lumens: 963.2  
 Efficiency: 5.1%

— Vertical Distribution through -2.5-Deg  
 - - Horizontal Distribution through -2.5-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°	5.3	5.3	5.3	6.6	8.0	9.3	10.6	11.9	13.2	14.5	15.8
87.5°	5.3	5.3	5.3	5.1	4.8	4.4	3.9	2.8	1.8	0.8	0.0
85°	5.3	5.3	5.3	5.0	4.4	3.6	2.6	1.6	0.9	0.3	0.0
82.5°	5.3	5.3	5.3	4.8	3.9	2.8	1.2	0.4	0.1	0.8	1.4
80°	5.3	5.3	5.3	4.6	3.5	2.0	0.3	1.0	1.9	2.8	3.6
77.5°	5.3	5.3	5.3	4.5	3.1	1.8	1.6	2.6	3.7	4.8	4.8
75°	5.3	5.3	5.3	4.4	2.9	2.6	3.0	4.2	5.2	4.3	2.8
72.5°	5.3	5.3	5.3	4.3	3.4	3.4	4.2	5.2	4.5	3.1	0.9
70°	5.3	5.3	5.3	4.2	3.8	4.2	5.3	5.0	3.9	2.0	2.4
67.5°	5.3	5.3	5.3	4.4	4.2	5.0	5.5	4.9	3.4	4.1	4.7
65°	5.3	5.3	5.3	4.6	4.6	5.5	5.7	4.8	5.3	6.2	6.5
62.5°	5.3	5.3	5.3	4.8	5.0	5.9	5.9	6.0	7.1	8.0	7.3
60°	5.3	5.3	5.3	4.9	5.3	6.4	6.3	7.6	9.0	9.2	8.3
57.5°	5.3	5.3	5.4	5.0	5.8	6.9	7.5	9.2	10.5	10.6	10.3
55°	5.3	5.3	5.4	5.1	6.3	7.4	8.9	10.7	12.0	12.3	12.8
52.5°	5.3	5.3	5.5	5.2	6.9	8.1	10.2	12.2	13.7	14.5	15.3
50°	5.3	5.3	5.7	5.3	7.5	9.2	11.5	13.7	15.6	16.8	17.8
47.5°	5.3	5.3	5.8	5.4	8.1	10.2	12.7	15.2	17.6	19.0	20.3
45°	5.3	5.3	5.9	5.9	8.7	11.3	14.0	16.6	19.5	21.2	22.7
42.5°	5.3	5.3	6.1	6.4	9.4	12.3	15.2	18.2	21.4	23.4	27.6
40°	5.3	5.3	6.3	7.0	10.1	13.2	16.3	20.0	23.5	25.6	32.9
37.5°	5.3	5.3	6.5	7.7	10.9	14.2	17.5	21.9	25.7	29.1	38.3
35°	5.3	5.3	6.7	8.4	11.6	15.1	18.6	23.8	28.0	35.7	48.8
32.5°	5.3	5.3	7.0	9.1	12.3	16.0	19.8	25.8	30.5	43.5	69.6
30°	5.3	5.3	7.2	9.8	13.0	16.8	21.4	27.8	33.0	52.4	89.9
27.5°	5.3	5.3	7.5	10.4	13.8	17.6	22.9	29.9	37.3	62.3	109.5
25°	5.3	5.3	7.8	11.0	14.6	18.4	24.5	31.9	45.0	76.7	128.7
22.5°	5.3	5.3	8.1	11.6	15.4	19.2	26.1	34.0	53.0	92.6	154.1
20°	5.3	5.3	8.4	12.2	16.2	20.2	27.6	36.1	61.4	107.6	179.4
17.5°	5.3	5.3	8.7	12.7	16.9	21.1	29.1	38.1	69.9	121.9	204.2
15°	5.3	5.3	9.0	13.2	17.6	22.0	30.6	40.8	78.4	135.2	228.3
12.5°	5.3	5.3	9.3	13.7	18.3	22.9	31.9	44.4	87.9	147.5	251.4
10°	5.3	5.3	9.5	14.2	18.9	23.7	33.1	48.3	98.0	161.9	274.5
7.5°	5.3	5.3	9.8	14.6	19.5	24.4	34.3	52.2	107.5	175.8	298.9
5°	5.3	5.3	10.1	15.1	20.1	25.1	35.3	56.1	116.5	188.7	321.3
2.5°	5.3	5.3	10.4	15.4	20.6	25.8	36.1	59.8	124.7	200.5	341.4
0°	5.3	5.3	10.6	15.8	21.1	26.4	36.9	63.3	131.9	211.0	358.8
-2.5°	5.3	5.3	10.6	15.8	21.1	26.4	36.9	63.3	131.9	211.0	358.8
-5°	5.3	5.3	10.6	15.7	21.9	27.5	40.8	75.6	141.4	242.3	387.3
-7.5°	5.3	5.3	10.5	15.7	22.3	27.9	42.5	80.8	144.7	254.2	397.4
-10°	5.3	5.3	10.4	15.6	22.5	28.3	43.9	85.0	147.1	262.9	404.8
-12.5°	5.3	5.3	10.3	15.4	22.7	28.7	44.9	88.2	148.8	267.4	410.5
-15°	5.3	5.3	10.2	15.3	22.8	29.0	45.6	90.2	151.9	266.9	412.6
-17.5°	5.3	5.3	10.1	15.1	22.7	29.2	45.8	92.1	156.4	264.2	410.1
-20°	5.3	5.3	10.0	14.9	22.6	29.4	47.0	94.0	159.4	259.4	402.6

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**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	5.3	5.3	9.8	14.6	22.3	29.5	50.0	94.8	160.6	252.4	389.8
-25°	5.3	5.3	9.6	14.3	21.9	31.4	52.5	94.5	160.2	243.5	371.5
-27.5°	5.3	5.3	9.4	14.0	21.4	33.9	54.4	93.1	157.9	235.9	358.2
-30°	5.3	5.3	9.2	13.7	20.9	36.0	55.7	90.5	155.0	232.4	343.2
-32.5°	5.3	5.3	8.9	13.3	21.6	37.7	56.4	90.7	151.2	226.6	326.3
-35°	5.3	5.3	8.7	13.0	22.2	39.1	57.9	91.2	146.0	218.4	307.5
-37.5°	5.3	5.3	8.4	12.6	22.5	40.0	59.4	90.8	139.2	207.8	299.1
-40°	5.3	5.3	8.1	12.1	22.7	40.3	60.4	89.6	131.0	197.7	289.7
-42.5°	5.3	5.3	7.8	11.9	22.8	40.3	60.7	87.5	126.3	189.5	275.3
-45°	5.3	5.3	7.5	12.0	23.0	40.0	60.4	85.7	122.9	179.4	257.2
-47.5°	5.3	5.3	7.2	11.9	22.8	39.4	59.5	84.4	118.5	167.3	243.0
-50°	5.3	5.3	6.8	11.7	22.4	38.5	58.2	82.3	115.0	163.0	226.1
-52.5°	5.3	5.3	6.4	11.5	21.7	37.2	56.6	79.4	112.0	157.2	208.0
-55°	5.3	5.3	6.1	11.2	20.8	35.7	54.6	75.8	108.3	150.0	199.3
-57.5°	5.3	5.3	5.7	10.8	19.7	33.8	52.1	72.6	103.2	142.5	189.0
-60°	5.3	5.3	5.3	10.3	18.3	31.5	49.3	69.1	96.8	133.7	177.1
-62.5°	5.3	5.3	5.3	9.7	17.3	28.9	45.3	64.3	88.7	123.1	163.3
-65°	5.3	5.3	5.3	9.1	16.2	25.9	40.9	58.3	79.0	109.3	147.7
-67.5°	5.3	5.3	5.3	8.4	14.9	23.3	36.0	51.2	67.8	93.0	126.9
-70°	5.3	5.3	5.3	7.6	13.5	21.1	30.6	43.6	58.1	75.0	102.5
-72.5°	5.3	5.3	5.3	7.5	12.1	18.8	27.0	35.7	47.9	62.2	78.5
-75°	5.3	5.3	5.3	7.4	10.5	16.4	23.5	30.1	37.3	49.0	62.4
-77.5°	5.3	5.3	5.3	7.3	10.0	13.8	19.9	25.3	31.0	37.1	45.8
-80°	5.3	5.3	5.3	7.2	9.6	12.5	16.0	20.4	24.9	29.9	35.2
-82.5°	5.3	5.3	5.3	7.1	9.2	11.7	14.5	16.5	18.8	22.5	26.6
-85°	5.3	5.3	5.3	6.9	8.8	10.9	13.2	15.0	16.8	18.5	20.2
-87.5°	5.3	5.3	5.3	6.8	8.4	10.1	11.9	13.5	15.0	16.5	18.0
-90°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	4.0	2.6	1.3	0.0





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 CATALOG NUMBER: GFLD-SA5B-750-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	17.1	18.5	19.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	1.6	1.4	0.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	3.5	2.8	1.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	3.0	1.5	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	1.1	0.1	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.9	1.5	1.4	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	3.0	3.2	2.2	0.9	0.0	0.3	0.8	0.6	0.0	0.3	0.7
67.5°	4.9	3.7	2.4	1.5	2.0	2.7	2.5	2.7	2.9	3.1	2.7
65°	5.2	3.9	4.0	4.6	5.2	5.7	6.2	6.6	5.5	4.8	4.9
62.5°	5.5	6.0	6.9	7.7	8.5	9.2	9.3	8.2	6.3	7.8	9.0
60°	7.9	8.7	9.8	10.8	11.9	12.4	11.8	12.0	13.3	15.4	29.6
57.5°	10.6	11.3	12.6	14.3	15.7	15.9	16.4	17.8	41.8	68.3	75.5
55°	13.3	13.9	16.1	18.7	20.3	20.1	28.9	61.0	92.1	127.6	140.6
52.5°	16.1	17.2	21.0	24.1	26.1	40.7	73.3	116.8	162.7	203.4	256.1
50°	18.8	22.6	26.5	31.1	49.6	87.6	135.3	194.7	263.8	329.0	395.7
47.5°	23.5	28.3	34.3	49.1	97.9	150.6	216.6	312.2	397.4	476.2	567.6
45°	29.0	39.0	45.6	97.2	153.9	221.9	333.6	450.5	527.9	633.3	795.1
42.5°	34.8	54.0	87.2	146.8	215.9	325.6	464.2	563.8	666.7	837.6	1007.7
40°	50.0	72.4	131.5	202.5	290.0	450.0	592.2	705.0	845.5	1035.0	1212.6
37.5°	68.5	110.5	176.7	261.8	406.2	581.6	733.9	895.0	1056.5	1235.2	1564.6
35°	89.1	145.8	234.0	348.8	522.5	727.6	909.2	1089.1	1275.3	1627.1	1953.9
32.5°	115.9	178.4	293.9	450.0	648.2	873.3	1084.1	1292.1	1590.8	1988.9	2316.8
30°	144.8	230.7	362.9	543.7	766.6	1006.8	1260.3	1512.1	1907.4	2236.8	2592.9
27.5°	175.0	285.9	443.7	641.5	877.4	1132.8	1418.8	1778.2	2130.7	2456.2	2847.5
25°	206.0	343.5	517.6	735.1	986.5	1269.0	1597.9	2035.6	2311.4	2671.1	3079.3
22.5°	245.8	398.6	590.9	819.8	1087.6	1408.9	1828.4	2267.9	2592.5	2895.0	3293.7
20°	291.9	460.6	670.5	926.1	1186.6	1545.6	2057.6	2519.8	2901.6	3248.0	3614.2
17.5°	335.0	518.5	755.7	1034.6	1330.7	1720.7	2282.4	2794.0	3214.1	3600.2	4057.4
15°	374.8	572.2	839.1	1137.3	1472.3	1921.3	2484.1	3045.9	3525.6	3960.0	4479.5
12.5°	411.2	621.1	919.5	1233.4	1605.6	2094.3	2653.4	3201.8	3729.0	4295.0	4884.7
10°	444.0	665.2	995.4	1322.1	1729.3	2240.6	2793.3	3331.7	3863.7	4462.7	5117.8
7.5°	479.2	706.4	1064.3	1402.7	1841.7	2361.4	2905.1	3436.1	3972.6	4596.8	5269.3
5°	511.7	744.3	1119.1	1460.5	1928.6	2455.7	2989.2	3515.2	4055.2	4696.7	5384.1
2.5°	540.3	776.1	1163.7	1505.8	1993.1	2525.1	3043.8	3581.3	4116.5	4777.9	5471.7
0°	564.5	802.0	1197.7	1540.6	2041.8	2574.7	3076.0	3624.7	4152.3	4832.9	5529.3
-2.5°	580.0	844.3	1221.1	1601.3	2084.4	2607.2	3104.8	3636.9	4190.9	4850.3	5594.0
-5°	590.9	878.6	1235.2	1648.1	2112.2	2621.6	3114.2	3627.5	4201.1	4845.9	5603.5
-7.5°	597.3	902.8	1241.8	1674.7	2122.0	2613.0	3098.2	3609.6	4184.3	4829.3	5561.6
-10°	600.9	910.4	1250.7	1666.7	2109.1	2584.7	3062.5	3567.7	4136.4	4775.4	5482.1
-12.5°	610.9	905.5	1249.1	1648.9	2081.4	2542.0	3009.6	3501.3	4056.7	4683.3	5372.1
-15°	613.4	894.6	1234.1	1622.8	2039.0	2486.1	2940.3	3410.3	3958.3	4593.6	5250.3
-17.5°	607.8	878.3	1204.9	1589.5	1982.2	2418.3	2858.7	3328.3	3866.1	4490.2	5122.5
-20°	593.7	857.0	1160.7	1550.1	1914.8	2343.0	2777.0	3242.4	3760.0	4346.7	4979.5

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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°	570.6	831.3	1112.9	1495.2	1856.6	2256.6	2681.2	3125.3	3627.2	4160.6	4787.2
-25°	546.7	802.2	1075.3	1419.7	1786.5	2155.6	2571.1	2982.1	3471.1	3994.9	4551.0
-27.5°	524.0	761.7	1036.2	1337.0	1704.1	2047.8	2446.7	2847.5	3295.5	3809.0	4320.9
-30°	494.4	717.8	988.4	1257.6	1605.5	1946.3	2307.9	2702.3	3105.2	3592.5	4096.2
-32.5°	468.3	672.3	934.1	1197.0	1499.6	1831.9	2158.3	2534.2	2927.4	3342.8	3840.5
-35°	450.8	645.4	876.4	1127.0	1391.5	1707.5	2018.0	2344.6	2725.4	3115.2	3552.3
-37.5°	436.6	614.4	815.8	1054.1	1305.8	1577.1	1867.7	2168.2	2500.5	2893.6	3304.5
-40°	414.4	579.6	770.8	984.6	1206.7	1453.4	1723.2	1995.2	2283.2	2667.2	3072.6
-42.5°	385.8	545.9	728.4	909.0	1111.9	1337.1	1576.9	1833.1	2109.9	2443.4	2816.1
-45°	363.8	502.7	681.3	843.1	1011.1	1217.0	1442.1	1674.2	1935.3	2221.7	2556.4
-47.5°	335.9	455.8	619.8	770.9	918.9	1094.7	1300.6	1520.2	1751.5	2009.5	2283.8
-50°	306.1	416.7	544.4	691.6	832.6	978.9	1154.5	1357.6	1567.4	1792.3	2037.1
-52.5°	283.4	370.9	487.5	610.0	744.5	877.1	1026.6	1200.8	1388.2	1576.1	1791.4
-55°	257.8	337.2	433.3	543.2	657.6	780.3	916.5	1069.1	1221.8	1394.4	1566.3
-57.5°	239.8	304.8	388.1	483.5	586.4	690.7	819.2	948.1	1089.5	1232.4	1374.9
-60°	225.7	276.8	345.9	429.9	521.6	619.1	724.6	843.7	965.4	1082.1	1205.2
-62.5°	209.6	254.0	308.1	376.6	459.4	544.2	637.1	739.2	849.3	947.5	1043.0
-65°	188.7	227.4	273.7	329.5	394.6	466.3	545.4	631.4	726.6	806.3	884.3
-67.5°	164.8	197.3	236.2	281.8	336.0	392.0	450.1	522.8	600.1	665.1	728.6
-70°	134.7	164.8	196.5	233.7	276.2	323.6	374.8	427.6	480.5	533.6	591.7
-72.5°	103.1	130.5	157.4	183.9	217.8	256.6	298.3	342.6	388.8	434.2	478.4
-75°	78.6	96.3	119.9	143.8	167.3	192.6	220.8	256.0	298.9	343.0	383.4
-77.5°	59.3	74.2	89.9	106.4	121.2	139.9	160.2	182.1	217.5	258.2	299.3
-80°	42.8	51.7	64.2	77.4	87.9	98.2	108.9	120.0	146.3	179.1	214.0
-82.5°	31.8	37.9	44.8	52.5	57.8	62.9	68.6	75.9	95.5	117.6	140.9
-85°	21.9	23.7	27.4	31.7	34.7	37.6	40.7	43.8	54.3	66.1	78.8
-87.5°	18.9	19.8	20.8	21.9	22.3	22.6	23.0	23.3	26.8	30.6	34.4
-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: P627600 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5B-750-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	21.1	22.4	23.8	25.1	26.4	27.7	29.1	30.4	31.7	31.7	31.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.5	0.0	0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	2.4	2.7	2.8	2.2	0.9	0.0	0.0	0.0	0.0	0.0	0.0
65°	5.6	5.3	4.0	2.6	1.3	2.0	3.2	3.8	3.9	3.5	2.7
62.5°	8.4	7.7	7.0	8.1	9.6	11.1	10.7	10.1	9.4	9.0	9.3
60°	31.2	20.9	24.1	30.2	28.2	19.3	31.8	36.0	30.7	21.0	20.3
57.5°	79.1	76.3	87.5	127.8	140.6	128.1	153.1	185.9	184.8	159.2	158.3
55°	168.5	226.1	295.6	306.8	355.2	452.1	527.6	494.5	494.3	519.2	599.3
52.5°	320.1	374.4	394.6	448.6	549.7	623.0	670.2	719.0	772.5	827.1	882.4
50°	469.7	522.4	582.3	637.6	777.5	852.8	840.2	941.4	1070.7	1151.5	1193.0
47.5°	688.9	772.1	898.6	1097.0	1201.4	1276.9	1370.8	1485.3	1633.5	1834.5	1989.4
45°	947.1	1077.8	1273.7	1484.4	1646.5	1720.3	1827.7	2005.0	2241.4	2471.5	2639.5
42.5°	1158.1	1337.5	1558.4	1759.7	1891.9	2013.2	2152.3	2301.8	2572.5	2818.3	3012.5
40°	1433.5	1573.2	1821.0	2010.8	2129.1	2249.4	2469.8	2693.6	2948.2	3177.1	3336.3
37.5°	1782.5	1939.7	2197.5	2412.1	2526.1	2568.6	2943.5	3255.0	3461.9	3754.2	3849.8
35°	2157.4	2416.2	2744.7	3023.0	3134.7	3357.7	3743.9	4178.6	4649.6	4822.8	4970.5
32.5°	2575.7	2895.0	3340.7	3639.3	3798.7	4137.1	4625.9	5089.9	5705.8	6040.0	6140.0
30°	2958.3	3324.8	3707.9	3998.1	4270.7	4678.2	5124.0	5696.1	6265.5	6692.9	6825.6
27.5°	3239.2	3644.6	4012.9	4284.7	4592.3	5031.7	5587.4	6166.8	6725.8	7161.8	7316.7
25°	3507.2	3965.5	4257.2	4573.2	4934.3	5413.1	6029.1	6672.8	7223.4	7591.9	7781.9
22.5°	3812.1	4264.0	4577.1	4844.7	5316.9	5868.7	6440.4	7167.8	7751.2	8045.2	8251.2
20°	4126.8	4638.1	5121.7	5370.7	5779.3	6477.9	7117.9	7804.6	8367.9	8674.3	8891.2
17.5°	4565.9	5217.4	5810.6	6163.2	6600.7	7436.1	8234.6	8929.3	9712.9	9989.6	10254.8
15°	5028.9	5783.0	6477.8	7036.4	7601.6	8429.2	9457.2	10295.5	11189.6	11589.0	12040.4
12.5°	5490.5	6204.0	6833.5	7554.2	8350.6	9082.8	10061.5	11105.4	11916.7	12426.0	12729.9
10°	5835.5	6498.2	7103.9	7826.3	8621.3	9449.5	10422.1	11492.1	12341.4	12776.0	13024.1
7.5°	6021.7	6656.0	7294.9	8027.0	8818.4	9700.5	10702.5	11764.1	12632.6	13053.6	13298.6
5°	6160.0	6769.2	7430.8	8201.4	9001.6	9896.0	10896.6	11945.7	12737.5	13185.0	13494.7
2.5°	6243.7	6840.9	7517.3	8314.1	9116.3	10047.8	11096.8	12184.2	12877.0	13237.0	13521.9
0°	6268.0	6869.5	7565.9	8373.1	9196.2	10135.4	11174.7	12251.1	12952.8	13301.0	13591.2
-2.5°	6295.3	6914.6	7630.1	8411.4	9227.5	10164.0	11225.0	12273.7	12905.0	13256.4	13532.4
-5°	6276.3	6918.1	7631.4	8379.7	9201.2	10130.2	11148.7	12129.4	12789.7	13169.6	13444.1
-7.5°	6219.5	6870.4	7576.4	8295.6	9101.4	10041.0	11055.2	11999.5	12668.4	13069.0	13369.4
-10°	6136.8	6768.7	7479.7	8208.0	9004.1	9898.5	10897.2	11835.8	12476.0	12901.3	13251.4
-12.5°	6045.2	6664.1	7349.3	8047.9	8835.3	9718.6	10686.2	11574.8	12211.2	12675.1	12925.3
-15°	5909.5	6528.0	7183.0	7858.8	8626.3	9483.2	10407.5	11260.0	11885.0	12262.5	12538.9
-17.5°	5736.9	6343.7	6964.7	7605.7	8328.8	9172.7	10102.6	10943.3	11452.8	11790.0	12061.6
-20°	5552.0	6113.1	6701.5	7306.4	8007.2	8843.2	9756.4	10489.7	10969.9	11293.9	11550.4



REPORT NUMBER: P627600 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5B-750-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	5340.7	5881.2	6419.7	6997.9	7685.1	8451.6	9258.2	9966.9	10483.1	10778.2	11015.3
-25°	5099.7	5625.4	6136.8	6695.2	7326.8	8015.7	8765.8	9462.2	9924.5	10238.0	10473.1
-27.5°	4840.0	5333.9	5833.5	6335.0	6902.8	7589.2	8283.8	8930.7	9325.4	9641.4	9877.9
-30°	4580.9	5025.1	5487.4	5962.1	6495.0	7113.9	7763.6	8307.6	8723.8	9030.8	9250.4
-32.5°	4300.0	4721.6	5131.1	5574.8	6076.5	6622.0	7192.2	7709.7	8154.4	8435.6	8620.6
-35°	4012.3	4420.5	4795.2	5198.0	5640.6	6111.3	6637.6	7148.0	7587.2	7809.6	7990.0
-37.5°	3712.7	4119.7	4475.0	4811.4	5192.7	5628.6	6141.3	6628.2	7007.7	7198.9	7361.5
-40°	3452.2	3810.5	4130.3	4452.2	4762.1	5149.3	5627.7	6099.2	6403.6	6590.0	6741.0
-42.5°	3199.3	3501.5	3763.4	4052.0	4362.2	4743.8	5129.8	5525.2	5769.9	5976.7	6135.7
-45°	2904.7	3174.8	3420.4	3660.4	3943.3	4291.8	4642.4	4959.1	5188.3	5388.2	5543.1
-47.5°	2578.9	2839.7	3078.2	3292.7	3555.7	3846.3	4141.6	4405.1	4631.4	4829.0	4967.2
-50°	2275.2	2508.2	2741.1	2958.3	3186.1	3421.2	3660.7	3892.0	4106.8	4298.8	4416.4
-52.5°	2003.2	2218.2	2421.7	2611.6	2811.0	3009.6	3208.0	3419.8	3617.5	3799.1	3893.0
-55°	1757.1	1951.0	2134.6	2294.6	2454.5	2612.1	2782.1	2977.6	3159.7	3328.0	3395.4
-57.5°	1536.2	1702.0	1864.6	1999.9	2130.5	2255.8	2405.0	2570.1	2729.4	2873.7	2928.8
-60°	1333.0	1464.6	1600.5	1720.6	1834.4	1941.9	2072.0	2204.9	2334.2	2442.9	2489.9
-62.5°	1146.1	1258.7	1361.6	1459.2	1555.6	1652.4	1757.4	1862.8	1967.2	2051.0	2093.4
-65°	965.8	1055.5	1138.2	1218.4	1296.3	1377.5	1459.8	1539.9	1617.2	1677.0	1713.8
-67.5°	796.6	864.8	930.4	993.0	1058.1	1124.0	1188.3	1249.7	1307.7	1354.0	1389.1
-70°	646.7	699.4	750.8	802.6	857.0	908.2	956.6	1002.5	1045.7	1079.1	1106.1
-72.5°	521.3	564.1	608.4	655.0	699.0	737.3	772.1	805.7	837.8	856.7	870.7
-75°	420.2	456.3	494.9	532.6	569.3	598.4	624.0	648.7	672.5	673.8	669.0
-77.5°	339.5	371.7	401.6	431.2	460.5	478.5	494.1	510.2	526.5	517.1	502.2
-80°	249.2	276.0	301.4	326.9	352.4	363.0	370.4	376.8	382.2	369.9	354.6
-82.5°	165.3	182.3	198.8	215.6	232.6	239.4	244.4	248.6	251.9	240.8	228.0
-85°	92.2	100.4	108.4	116.4	124.5	129.3	133.6	137.6	141.2	134.6	127.1
-87.5°	38.3	40.2	42.0	43.8	45.5	47.2	48.9	50.5	52.1	52.3	52.5
-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: P627600 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5B-750-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	30.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1.6	0.3	0.0	0.0	0.0	0.3	1.6	2.7	3.5	3.9	3.8
62.5°	9.7	10.1	10.5	10.6	10.5	10.1	9.7	9.3	9.0	9.4	10.1
60°	18.6	16.3	15.7	15.8	15.7	16.3	18.6	20.3	21.0	30.7	36.0
57.5°	146.2	125.1	128.3	142.5	128.3	125.1	146.2	158.3	159.2	184.8	185.9
55°	683.5	763.0	791.1	775.6	791.1	763.0	683.5	599.3	519.2	494.3	494.5
52.5°	926.1	958.7	971.3	970.8	971.3	958.7	926.1	882.4	827.1	772.5	719.0
50°	1205.6	1194.6	1177.6	1160.7	1177.6	1194.6	1205.6	1193.0	1151.5	1070.7	941.4
47.5°	2012.1	1977.2	1962.5	1989.1	1962.5	1977.2	2012.1	1989.4	1834.5	1633.5	1485.3
45°	2673.7	2714.6	2745.1	2743.6	2745.1	2714.6	2673.7	2639.5	2471.5	2241.4	2005.0
42.5°	3050.5	3072.3	3078.6	3070.7	3078.6	3072.3	3050.5	3012.5	2818.3	2572.5	2301.8
40°	3386.3	3412.2	3426.8	3440.0	3426.8	3412.2	3386.3	3336.3	3177.1	2948.2	2693.6
37.5°	3881.3	3890.8	3870.1	3856.8	3870.1	3890.8	3881.3	3849.8	3754.2	3461.9	3255.0
35°	5095.0	5119.9	5062.3	5123.1	5062.3	5119.9	5095.0	4970.5	4822.8	4649.6	4178.6
32.5°	6259.0	6375.5	6469.7	6547.6	6469.7	6375.5	6259.0	6140.0	6040.0	5705.8	5089.9
30°	6918.3	6993.4	7033.8	7043.6	7033.8	6993.4	6918.3	6825.6	6692.9	6265.5	5696.1
27.5°	7402.4	7481.2	7530.2	7565.9	7530.2	7481.2	7402.4	7316.7	7161.8	6725.8	6166.8
25°	7869.0	7941.0	7990.0	8009.1	7990.0	7941.0	7869.0	7781.9	7591.9	7223.4	6672.8
22.5°	8353.1	8403.2	8450.2	8473.4	8450.2	8403.2	8353.1	8251.2	8045.2	7751.2	7167.8
20°	9047.1	9020.0	9062.9	9048.5	9062.9	9020.0	9047.1	8891.2	8674.3	8367.9	7804.6
17.5°	10461.6	10476.3	10505.0	10552.2	10505.0	10476.3	10461.6	10254.8	9989.6	9712.9	8929.3
15°	12240.4	12276.2	12458.1	12620.4	12458.1	12276.2	12240.4	12040.4	11589.0	11189.6	10295.5
12.5°	13012.0	13135.8	13155.1	13200.8	13155.1	13135.8	13012.0	12729.9	12426.0	11916.7	11105.4
10°	13269.4	13484.0	13479.3	13533.2	13479.3	13484.0	13269.4	13024.1	12776.0	12341.4	11492.1
7.5°	13464.8	13695.1	13792.5	13833.9	13792.5	13695.1	13464.8	13298.6	13053.6	12632.6	11764.1
5°	13703.3	13830.0	13998.0	13950.0	13998.0	13830.0	13703.3	13494.7	13185.0	12737.5	11945.7
2.5°	13803.3	14001.8	13955.9	14002.7	13955.9	14001.8	13803.3	13521.9	13237.0	12877.0	12184.2
0°	13870.8	14013.3	14034.4	14081.9	14034.4	14013.3	13870.8	13591.2	13301.0	12952.8	12251.1
-2.5°	13789.0	13914.4	14133.9	14066.0	14133.9	13914.4	13789.0	13532.4	13256.4	12905.0	12273.7
-5°	13717.3	14025.8	13906.0	14055.5	13906.0	14025.8	13717.3	13444.1	13169.6	12789.7	12129.4
-7.5°	13680.2	13735.4	13815.0	13928.9	13815.0	13735.4	13680.2	13369.4	13069.0	12668.4	11999.5
-10°	13393.9	13450.3	13596.5	13675.6	13596.5	13450.3	13393.9	13251.4	12901.3	12476.0	11835.8
-12.5°	13083.3	13192.6	13346.0	13396.0	13346.0	13192.6	13083.3	12925.3	12675.1	12211.2	11574.8
-15°	12725.5	12887.8	13037.4	13068.9	13037.4	12887.8	12725.5	12538.9	12262.5	11885.0	11260.0
-17.5°	12270.6	12465.2	12622.4	12657.3	12622.4	12465.2	12270.6	12061.6	11790.0	11452.8	10943.3
-20°	11769.3	11955.7	12089.4	12129.7	12089.4	11955.7	11769.3	11550.4	11293.9	10969.9	10489.7



REPORT NUMBER: P627600 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5B-750-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	11232.6	11400.5	11513.5	11496.6	11513.5	11400.5	11232.6	11015.3	10778.2	10483.1	9966.9
-25°	10662.8	10818.6	10926.2	10910.9	10926.2	10818.6	10662.8	10473.1	10238.0	9924.5	9462.2
-27.5°	10060.4	10208.0	10311.4	10314.7	10311.4	10208.0	10060.4	9877.9	9641.4	9325.4	8930.7
-30°	9427.4	9561.4	9645.5	9613.0	9645.5	9561.4	9427.4	9250.4	9030.8	8723.8	8307.6
-32.5°	8774.5	8895.7	8972.8	8995.7	8972.8	8895.7	8774.5	8620.6	8435.6	8154.4	7709.7
-35°	8130.6	8237.4	8304.0	8320.4	8304.0	8237.4	8130.6	7990.0	7809.6	7587.2	7148.0
-37.5°	7490.8	7582.7	7629.2	7608.1	7629.2	7582.7	7490.8	7361.5	7198.9	7007.7	6628.2
-40°	6858.5	6946.0	6999.3	7011.9	6999.3	6946.0	6858.5	6741.0	6590.0	6403.6	6099.2
-42.5°	6236.8	6309.6	6356.3	6378.8	6356.3	6309.6	6236.8	6135.7	5976.7	5769.9	5525.2
-45°	5633.5	5698.6	5742.4	5766.8	5742.4	5698.6	5633.5	5543.1	5388.2	5188.3	4959.1
-47.5°	5046.5	5103.6	5141.4	5160.0	5141.4	5103.6	5046.5	4967.2	4829.0	4631.4	4405.1
-50°	4485.2	4534.7	4569.9	4590.2	4569.9	4534.7	4485.2	4416.4	4298.8	4106.8	3892.0
-52.5°	3952.9	3996.0	4026.1	4041.5	4026.1	3996.0	3952.9	3893.0	3799.1	3617.5	3419.8
-55°	3444.6	3479.6	3507.4	3524.4	3507.4	3479.6	3444.6	3395.4	3328.0	3159.7	2977.6
-57.5°	2970.6	2999.2	3025.5	3044.3	3025.5	2999.2	2970.6	2928.8	2873.7	2729.4	2570.1
-60°	2526.9	2553.9	2576.3	2590.6	2576.3	2553.9	2526.9	2489.9	2442.9	2334.2	2204.9
-62.5°	2126.5	2150.4	2170.9	2184.3	2170.9	2150.4	2126.5	2093.4	2051.0	1967.2	1862.8
-65°	1742.7	1764.1	1779.4	1788.6	1779.4	1764.1	1742.7	1713.8	1677.0	1617.2	1539.9
-67.5°	1419.1	1443.8	1448.7	1445.6	1448.7	1443.8	1419.1	1389.1	1354.0	1307.7	1249.7
-70°	1130.3	1151.2	1156.1	1155.5	1156.1	1151.2	1130.3	1106.1	1079.1	1045.7	1002.5
-72.5°	883.8	895.2	885.5	870.6	885.5	895.2	883.8	870.7	856.7	837.8	805.7
-75°	663.2	655.9	645.7	633.1	645.7	655.9	663.2	669.0	673.8	672.5	648.7
-77.5°	485.7	467.8	456.0	443.2	456.0	467.8	485.7	502.2	517.1	526.5	510.2
-80°	338.2	320.5	308.4	295.5	308.4	320.5	338.2	354.6	369.9	382.2	376.8
-82.5°	214.2	199.7	192.4	184.7	192.4	199.7	214.2	228.0	240.8	251.9	248.6
-85°	119.0	110.4	105.4	100.2	105.4	110.4	119.0	127.1	134.6	141.2	137.6
-87.5°	52.6	52.7	50.1	47.5	50.1	52.7	52.6	52.5	52.3	52.1	50.5
-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: P627600 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5B-750-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	29.1	27.7	26.4	25.1	23.8	22.4	21.1	19.8	18.5	17.1	15.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.2	0.1	0.0	0.0	0.5	0.7	0.3	0.0	0.6
67.5°	0.0	0.0	0.9	2.2	2.8	2.7	2.4	2.7	3.1	2.9	2.7
65°	3.2	2.0	1.3	2.6	4.0	5.3	5.6	4.9	4.8	5.5	6.6
62.5°	10.7	11.1	9.6	8.1	7.0	7.7	8.4	9.0	7.8	6.3	8.2
60°	31.8	19.3	28.2	30.2	24.1	20.9	31.2	29.6	15.4	13.3	12.0
57.5°	153.1	128.1	140.6	127.8	87.5	76.3	79.1	75.5	68.3	41.8	17.8
55°	527.6	452.1	355.2	306.8	295.6	226.1	168.5	140.6	127.6	92.1	61.0
52.5°	670.2	623.0	549.7	448.6	394.6	374.4	320.1	256.1	203.4	162.7	116.8
50°	840.2	852.8	777.5	637.6	582.3	522.4	469.7	395.7	329.0	263.8	194.7
47.5°	1370.8	1276.9	1201.4	1097.0	898.6	772.1	688.9	567.6	476.2	397.4	312.2
45°	1827.7	1720.3	1646.5	1484.4	1273.7	1077.8	947.1	795.1	633.3	527.9	450.5
42.5°	2152.3	2013.2	1891.9	1759.7	1558.4	1337.5	1158.1	1007.7	837.6	666.7	563.8
40°	2469.8	2249.4	2129.1	2010.8	1821.0	1573.2	1433.5	1212.6	1035.0	845.5	705.0
37.5°	2943.5	2568.6	2526.1	2412.1	2197.5	1939.7	1782.5	1564.6	1235.2	1056.5	895.0
35°	3743.9	3357.7	3134.7	3023.0	2744.7	2416.2	2157.4	1953.9	1627.1	1275.3	1089.1
32.5°	4625.9	4137.1	3798.7	3639.3	3340.7	2895.0	2575.7	2316.8	1988.9	1590.8	1292.1
30°	5124.0	4678.2	4270.7	3998.1	3707.9	3324.8	2958.3	2592.9	2236.8	1907.4	1512.1
27.5°	5587.4	5031.7	4592.3	4284.7	4012.9	3644.6	3239.2	2847.5	2456.2	2130.7	1778.2
25°	6029.1	5413.1	4934.3	4573.2	4257.2	3965.5	3507.2	3079.3	2671.1	2311.4	2035.6
22.5°	6440.4	5868.7	5316.9	4844.7	4577.1	4264.0	3812.1	3293.7	2895.0	2592.5	2267.9
20°	7117.9	6477.9	5779.3	5370.7	5121.7	4638.1	4126.8	3614.2	3248.0	2901.6	2519.8
17.5°	8234.6	7436.1	6600.7	6163.2	5810.6	5217.4	4565.9	4057.4	3600.2	3214.1	2794.0
15°	9457.2	8429.2	7601.6	7036.4	6477.8	5783.0	5028.9	4479.5	3960.0	3525.6	3045.9
12.5°	10061.5	9082.8	8350.6	7554.2	6833.5	6204.0	5490.5	4884.7	4295.0	3729.0	3201.8
10°	10422.1	9449.5	8621.3	7826.3	7103.9	6498.2	5835.5	5117.8	4462.7	3863.7	3331.7
7.5°	10702.5	9700.5	8818.4	8027.0	7294.9	6656.0	6021.7	5269.3	4596.8	3972.6	3436.1
5°	10896.6	9896.0	9001.6	8201.4	7430.8	6769.2	6160.0	5384.1	4696.7	4055.2	3515.2
2.5°	11096.8	10047.8	9116.3	8314.1	7517.3	6840.9	6243.7	5471.7	4777.9	4116.5	3581.3
0°	11174.7	10135.4	9196.2	8373.1	7565.9	6869.5	6268.0	5529.3	4832.9	4152.3	3624.7
-2.5°	11225.0	10164.0	9227.5	8411.4	7630.1	6914.6	6295.3	5594.0	4850.3	4190.9	3636.9
-5°	11148.7	10130.2	9201.2	8379.7	7631.4	6918.1	6276.3	5603.5	4845.9	4201.1	3627.5
-7.5°	11055.2	10041.0	9101.4	8295.6	7576.4	6870.4	6219.5	5561.6	4829.3	4184.3	3609.6
-10°	10897.2	9898.5	9004.1	8208.0	7479.7	6768.7	6136.8	5482.1	4775.4	4136.4	3567.7
-12.5°	10686.2	9718.6	8835.3	8047.9	7349.3	6664.1	6045.2	5372.1	4683.3	4056.7	3501.3
-15°	10407.5	9483.2	8626.3	7858.8	7183.0	6528.0	5909.5	5250.3	4593.6	3958.3	3410.3
-17.5°	10102.6	9172.7	8328.8	7605.7	6964.7	6343.7	5736.9	5122.5	4490.2	3866.1	3328.3
-20°	9756.4	8843.2	8007.2	7306.4	6701.5	6113.1	5552.0	4979.5	4346.7	3760.0	3242.4



REPORT NUMBER: P627600 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5B-750-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	9258.2	8451.6	7685.1	6997.9	6419.7	5881.2	5340.7	4787.2	4160.6	3627.2	3125.3
-25°	8765.8	8015.7	7326.8	6695.2	6136.8	5625.4	5099.7	4551.0	3994.9	3471.1	2982.1
-27.5°	8283.8	7589.2	6902.8	6335.0	5833.5	5333.9	4840.0	4320.9	3809.0	3295.5	2847.5
-30°	7763.6	7113.9	6495.0	5962.1	5487.4	5025.1	4580.9	4096.2	3592.5	3105.2	2702.3
-32.5°	7192.2	6622.0	6076.5	5574.8	5131.1	4721.6	4300.0	3840.5	3342.8	2927.4	2534.2
-35°	6637.6	6111.3	5640.6	5198.0	4795.2	4420.5	4012.3	3552.3	3115.2	2725.4	2344.6
-37.5°	6141.3	5628.6	5192.7	4811.4	4475.0	4119.7	3712.7	3304.5	2893.6	2500.5	2168.2
-40°	5627.7	5149.3	4762.1	4452.2	4130.3	3810.5	3452.2	3072.6	2667.2	2283.2	1995.2
-42.5°	5129.8	4743.8	4362.2	4052.0	3763.4	3501.5	3199.3	2816.1	2443.4	2109.9	1833.1
-45°	4642.4	4291.8	3943.3	3660.4	3420.4	3174.8	2904.7	2556.4	2221.7	1935.3	1674.2
-47.5°	4141.6	3846.3	3555.7	3292.7	3078.2	2839.7	2578.9	2283.8	2009.5	1751.5	1520.2
-50°	3660.7	3421.2	3186.1	2958.3	2741.1	2508.2	2275.2	2037.1	1792.3	1567.4	1357.6
-52.5°	3208.0	3009.6	2811.0	2611.6	2421.7	2218.2	2003.2	1791.4	1576.1	1388.2	1200.8
-55°	2782.1	2612.1	2454.5	2294.6	2134.6	1951.0	1757.1	1566.3	1394.4	1221.8	1069.1
-57.5°	2405.0	2255.8	2130.5	1999.9	1864.6	1702.0	1536.2	1374.9	1232.4	1089.5	948.1
-60°	2072.0	1941.9	1834.4	1720.6	1600.5	1464.6	1333.0	1205.2	1082.1	965.4	843.7
-62.5°	1757.4	1652.4	1555.6	1459.2	1361.6	1258.7	1146.1	1043.0	947.5	849.3	739.2
-65°	1459.8	1377.5	1296.3	1218.4	1138.2	1055.5	965.8	884.3	806.3	726.6	631.4
-67.5°	1188.3	1124.0	1058.1	993.0	930.4	864.8	796.6	728.6	665.1	600.1	522.8
-70°	956.6	908.2	857.0	802.6	750.8	699.4	646.7	591.7	533.6	480.5	427.6
-72.5°	772.1	737.3	699.0	655.0	608.4	564.1	521.3	478.4	434.2	388.8	342.6
-75°	624.0	598.4	569.3	532.6	494.9	456.3	420.2	383.4	343.0	298.9	256.0
-77.5°	494.1	478.5	460.5	431.2	401.6	371.7	339.5	299.3	258.2	217.5	182.1
-80°	370.4	363.0	352.4	326.9	301.4	276.0	249.2	214.0	179.1	146.3	120.0
-82.5°	244.4	239.4	232.6	215.6	198.8	182.3	165.3	140.9	117.6	95.5	75.9
-85°	133.6	129.3	124.5	116.4	108.4	100.4	92.2	78.8	66.1	54.3	43.8
-87.5°	48.9	47.2	45.5	43.8	42.0	40.2	38.3	34.4	30.6	26.8	23.3
-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: P627600 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5B-750-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	14.5	13.2	11.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.8	2.8
85°	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.3	0.9	1.6
82.5°	0.0	0.0	0.0	0.1	0.9	1.4	1.6	1.4	0.8	0.1	0.4
80°	0.0	0.0	0.0	0.2	1.3	2.8	3.5	3.6	2.8	1.9	1.0
77.5°	0.0	0.0	0.0	0.1	0.5	1.5	3.0	4.8	4.8	3.7	2.6
75°	0.0	0.0	0.0	0.2	0.4	0.1	1.1	2.8	4.3	5.2	4.2
72.5°	0.0	0.0	0.0	0.7	1.4	1.5	0.9	0.9	3.1	4.5	5.2
70°	0.8	0.3	0.0	0.9	2.2	3.2	3.0	2.4	2.0	3.9	5.0
67.5°	2.5	2.7	2.0	1.5	2.4	3.7	4.9	4.7	4.1	3.4	4.9
65°	6.2	5.7	5.2	4.6	4.0	3.9	5.2	6.5	6.2	5.3	4.8
62.5°	9.3	9.2	8.5	7.7	6.9	6.0	5.5	7.3	8.0	7.1	6.0
60°	11.8	12.4	11.9	10.8	9.8	8.7	7.9	8.3	9.2	9.0	7.6
57.5°	16.4	15.9	15.7	14.3	12.6	11.3	10.6	10.3	10.6	10.5	9.2
55°	28.9	20.1	20.3	18.7	16.1	13.9	13.3	12.8	12.3	12.0	10.7
52.5°	73.3	40.7	26.1	24.1	21.0	17.2	16.1	15.3	14.5	13.7	12.2
50°	135.3	87.6	49.6	31.1	26.5	22.6	18.8	17.8	16.8	15.6	13.7
47.5°	216.6	150.6	97.9	49.1	34.3	28.3	23.5	20.3	19.0	17.6	15.2
45°	333.6	221.9	153.9	97.2	45.6	39.0	29.0	22.7	21.2	19.5	16.6
42.5°	464.2	325.6	215.9	146.8	87.2	54.0	34.8	27.6	23.4	21.4	18.2
40°	592.2	450.0	290.0	202.5	131.5	72.4	50.0	32.9	25.6	23.5	20.0
37.5°	733.9	581.6	406.2	261.8	176.7	110.5	68.5	38.3	29.1	25.7	21.9
35°	909.2	727.6	522.5	348.8	234.0	145.8	89.1	48.8	35.7	28.0	23.8
32.5°	1084.1	873.3	648.2	450.0	293.9	178.4	115.9	69.6	43.5	30.5	25.8
30°	1260.3	1006.8	766.6	543.7	362.9	230.7	144.8	89.9	52.4	33.0	27.8
27.5°	1418.8	1132.8	877.4	641.5	443.7	285.9	175.0	109.5	62.3	37.3	29.9
25°	1597.9	1269.0	986.5	735.1	517.6	343.5	206.0	128.7	76.7	45.0	31.9
22.5°	1828.4	1408.9	1087.6	819.8	590.9	398.6	245.8	154.1	92.6	53.0	34.0
20°	2057.6	1545.6	1186.6	926.1	670.5	460.6	291.9	179.4	107.6	61.4	36.1
17.5°	2282.4	1720.7	1330.7	1034.6	755.7	518.5	335.0	204.2	121.9	69.9	38.1
15°	2484.1	1921.3	1472.3	1137.3	839.1	572.2	374.8	228.3	135.2	78.4	40.8
12.5°	2653.4	2094.3	1605.6	1233.4	919.5	621.1	411.2	251.4	147.5	87.9	44.4
10°	2793.3	2240.6	1729.3	1322.1	995.4	665.2	444.0	274.5	161.9	98.0	48.3
7.5°	2905.1	2361.4	1841.7	1402.7	1064.3	706.4	479.2	298.9	175.8	107.5	52.2
5°	2989.2	2455.7	1928.6	1460.5	1119.1	744.3	511.7	321.3	188.7	116.5	56.1
2.5°	3043.8	2525.1	1993.1	1505.8	1163.7	776.1	540.3	341.4	200.5	124.7	59.8
0°	3076.0	2574.7	2041.8	1540.6	1197.7	802.0	564.5	358.8	211.0	131.9	63.3
-2.5°	3104.8	2607.2	2084.4	1601.3	1221.1	844.3	580.0	374.5	227.7	137.1	69.7
-5°	3114.2	2621.6	2112.2	1648.1	1235.2	878.6	590.9	387.3	242.3	141.4	75.6
-7.5°	3098.2	2613.0	2122.0	1674.7	1241.8	902.8	597.3	397.4	254.2	144.7	80.8
-10°	3062.5	2584.7	2109.1	1666.7	1250.7	910.4	600.9	404.8	262.9	147.1	85.0
-12.5°	3009.6	2542.0	2081.4	1648.9	1249.1	905.5	610.9	410.5	267.4	148.8	88.2
-15°	2940.3	2486.1	2039.0	1622.8	1234.1	894.6	613.4	412.6	266.9	151.9	90.2
-17.5°	2858.7	2418.3	1982.2	1589.5	1204.9	878.3	607.8	410.1	264.2	156.4	92.1
-20°	2777.0	2343.0	1914.8	1550.1	1160.7	857.0	593.7	402.6	259.4	159.4	94.0

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Peachtree City, GA 30269

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REPORT NUMBER: P627600 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5B-750-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	2681.2	2256.6	1856.6	1495.2	1112.9	831.3	570.6	389.8	252.4	160.6	94.8
-25°	2571.1	2155.6	1786.5	1419.7	1075.3	802.2	546.7	371.5	243.5	160.2	94.5
-27.5°	2446.7	2047.8	1704.1	1337.0	1036.2	761.7	524.0	358.2	235.9	157.9	93.1
-30°	2307.9	1946.3	1605.5	1257.6	988.4	717.8	494.4	343.2	232.4	155.0	90.5
-32.5°	2158.3	1831.9	1499.6	1197.0	934.1	672.3	468.3	326.3	226.6	151.2	90.7
-35°	2018.0	1707.5	1391.5	1127.0	876.4	645.4	450.8	307.5	218.4	146.0	91.2
-37.5°	1867.7	1577.1	1305.8	1054.1	815.8	614.4	436.6	299.1	207.8	139.2	90.8
-40°	1723.2	1453.4	1206.7	984.6	770.8	579.6	414.4	289.7	197.7	131.0	89.6
-42.5°	1576.9	1337.1	1111.9	909.0	728.4	545.9	385.8	275.3	189.5	126.3	87.5
-45°	1442.1	1217.0	1011.1	843.1	681.3	502.7	363.8	257.2	179.4	122.9	85.7
-47.5°	1300.6	1094.7	918.9	770.9	619.8	455.8	335.9	243.0	167.3	118.5	84.4
-50°	1154.5	978.9	832.6	691.6	544.4	416.7	306.1	226.1	163.0	115.0	82.3
-52.5°	1026.6	877.1	744.5	610.0	487.5	370.9	283.4	208.0	157.2	112.0	79.4
-55°	916.5	780.3	657.6	543.2	433.3	337.2	257.8	199.3	150.0	108.3	75.8
-57.5°	819.2	690.7	586.4	483.5	388.1	304.8	239.8	189.0	142.5	103.2	72.6
-60°	724.6	619.1	521.6	429.9	345.9	276.8	225.7	177.1	133.7	96.8	69.1
-62.5°	637.1	544.2	459.4	376.6	308.1	254.0	209.6	163.3	123.1	88.7	64.3
-65°	545.4	466.3	394.6	329.5	273.7	227.4	188.7	147.7	109.3	79.0	58.3
-67.5°	450.1	392.0	336.0	281.8	236.2	197.3	164.8	126.9	93.0	67.8	51.2
-70°	374.8	323.6	276.2	233.7	196.5	164.8	134.7	102.5	75.0	58.1	43.6
-72.5°	298.3	256.6	217.8	183.9	157.4	130.5	103.1	78.5	62.2	47.9	35.7
-75°	220.8	192.6	167.3	143.8	119.9	96.3	78.6	62.4	49.0	37.3	30.1
-77.5°	160.2	139.9	121.2	106.4	89.9	74.2	59.3	45.8	37.1	31.0	25.3
-80°	108.9	98.2	87.9	77.4	64.2	51.7	42.8	35.2	29.9	24.9	20.4
-82.5°	68.6	62.9	57.8	52.5	44.8	37.9	31.8	26.6	22.5	18.8	16.5
-85°	40.7	37.6	34.7	31.7	27.4	23.7	21.9	20.2	18.5	16.8	15.0
-87.5°	23.0	22.6	22.3	21.9	20.8	19.8	18.9	18.0	16.5	15.0	13.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.6	4.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	10.6	9.3	8.0	6.6	5.3	5.3	5.3
87.5°	3.9	4.4	4.8	5.1	5.3	5.3	5.3
85°	2.6	3.6	4.4	5.0	5.3	5.3	5.3
82.5°	1.2	2.8	3.9	4.8	5.3	5.3	5.3
80°	0.3	2.0	3.5	4.6	5.3	5.3	5.3
77.5°	1.6	1.8	3.1	4.5	5.3	5.3	5.3
75°	3.0	2.6	2.9	4.4	5.3	5.3	5.3
72.5°	4.2	3.4	3.4	4.3	5.3	5.3	5.3
70°	5.3	4.2	3.8	4.2	5.3	5.3	5.3
67.5°	5.5	5.0	4.2	4.4	5.3	5.3	5.3
65°	5.7	5.5	4.6	4.6	5.3	5.3	5.3
62.5°	5.9	5.9	5.0	4.8	5.3	5.3	5.3
60°	6.3	6.4	5.3	4.9	5.3	5.3	5.3
57.5°	7.5	6.9	5.8	5.0	5.4	5.3	5.3
55°	8.9	7.4	6.3	5.1	5.4	5.3	5.3
52.5°	10.2	8.1	6.9	5.2	5.5	5.3	5.3
50°	11.5	9.2	7.5	5.3	5.7	5.3	5.3
47.5°	12.7	10.2	8.1	5.4	5.8	5.3	5.3
45°	14.0	11.3	8.7	5.9	5.9	5.3	5.3
42.5°	15.2	12.3	9.4	6.4	6.1	5.3	5.3
40°	16.3	13.2	10.1	7.0	6.3	5.3	5.3
37.5°	17.5	14.2	10.9	7.7	6.5	5.3	5.3
35°	18.6	15.1	11.6	8.4	6.7	5.3	5.3
32.5°	19.8	16.0	12.3	9.1	7.0	5.3	5.3
30°	21.4	16.8	13.0	9.8	7.2	5.3	5.3
27.5°	22.9	17.6	13.8	10.4	7.5	5.3	5.3
25°	24.5	18.4	14.6	11.0	7.8	5.3	5.3
22.5°	26.1	19.2	15.4	11.6	8.1	5.3	5.3
20°	27.6	20.2	16.2	12.2	8.4	5.3	5.3
17.5°	29.1	21.1	16.9	12.7	8.7	5.3	5.3
15°	30.6	22.0	17.6	13.2	9.0	5.3	5.3
12.5°	31.9	22.9	18.3	13.7	9.3	5.3	5.3
10°	33.1	23.7	18.9	14.2	9.5	5.3	5.3
7.5°	34.3	24.4	19.5	14.6	9.8	5.3	5.3
5°	35.3	25.1	20.1	15.1	10.1	5.3	5.3
2.5°	36.1	25.8	20.6	15.4	10.4	5.3	5.3
0°	36.9	26.4	21.1	15.8	10.6	5.3	5.3
-2.5°	39.0	27.0	21.5	15.8	10.6	5.3	5.3
-5°	40.8	27.5	21.9	15.7	10.6	5.3	5.3
-7.5°	42.5	27.9	22.3	15.7	10.5	5.3	5.3
-10°	43.9	28.3	22.5	15.6	10.4	5.3	5.3
-12.5°	44.9	28.7	22.7	15.4	10.3	5.3	5.3
-15°	45.6	29.0	22.8	15.3	10.2	5.3	5.3
-17.5°	45.8	29.2	22.7	15.1	10.1	5.3	5.3
-20°	47.0	29.4	22.6	14.9	10.0	5.3	5.3

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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	50.0	29.5	22.3	14.6	9.8	5.3	5.3
-25°	52.5	31.4	21.9	14.3	9.6	5.3	5.3
-27.5°	54.4	33.9	21.4	14.0	9.4	5.3	5.3
-30°	55.7	36.0	20.9	13.7	9.2	5.3	5.3
-32.5°	56.4	37.7	21.6	13.3	8.9	5.3	5.3
-35°	57.9	39.1	22.2	13.0	8.7	5.3	5.3
-37.5°	59.4	40.0	22.5	12.6	8.4	5.3	5.3
-40°	60.4	40.3	22.7	12.1	8.1	5.3	5.3
-42.5°	60.7	40.3	22.8	11.9	7.8	5.3	5.3
-45°	60.4	40.0	23.0	12.0	7.5	5.3	5.3
-47.5°	59.5	39.4	22.8	11.9	7.2	5.3	5.3
-50°	58.2	38.5	22.4	11.7	6.8	5.3	5.3
-52.5°	56.6	37.2	21.7	11.5	6.4	5.3	5.3
-55°	54.6	35.7	20.8	11.2	6.1	5.3	5.3
-57.5°	52.1	33.8	19.7	10.8	5.7	5.3	5.3
-60°	49.3	31.5	18.3	10.3	5.3	5.3	5.3
-62.5°	45.3	28.9	17.3	9.7	5.3	5.3	5.3
-65°	40.9	25.9	16.2	9.1	5.3	5.3	5.3
-67.5°	36.0	23.3	14.9	8.4	5.3	5.3	5.3
-70°	30.6	21.1	13.5	7.6	5.3	5.3	5.3
-72.5°	27.0	18.8	12.1	7.5	5.3	5.3	5.3
-75°	23.5	16.4	10.5	7.4	5.3	5.3	5.3
-77.5°	19.9	13.8	10.0	7.3	5.3	5.3	5.3
-80°	16.0	12.5	9.6	7.2	5.3	5.3	5.3
-82.5°	14.5	11.7	9.2	7.1	5.3	5.3	5.3
-85°	13.2	10.9	8.8	6.9	5.3	5.3	5.3
-87.5°	11.9	10.1	8.4	6.8	5.3	5.3	5.3
-90°	5.3	5.3	5.3	5.3	5.3	5.3	5.3

(END OF REPORT)