

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: P627752 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5E-730-U-WR-VSR-XX**

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P627752 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-766-7)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 12/7/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GFLD-SA5E-730-U-WR-VSR-XX  
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, WIDE SYMMETRICAL ROUND N6 WITH VISOR  
Light Source: (80) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: -

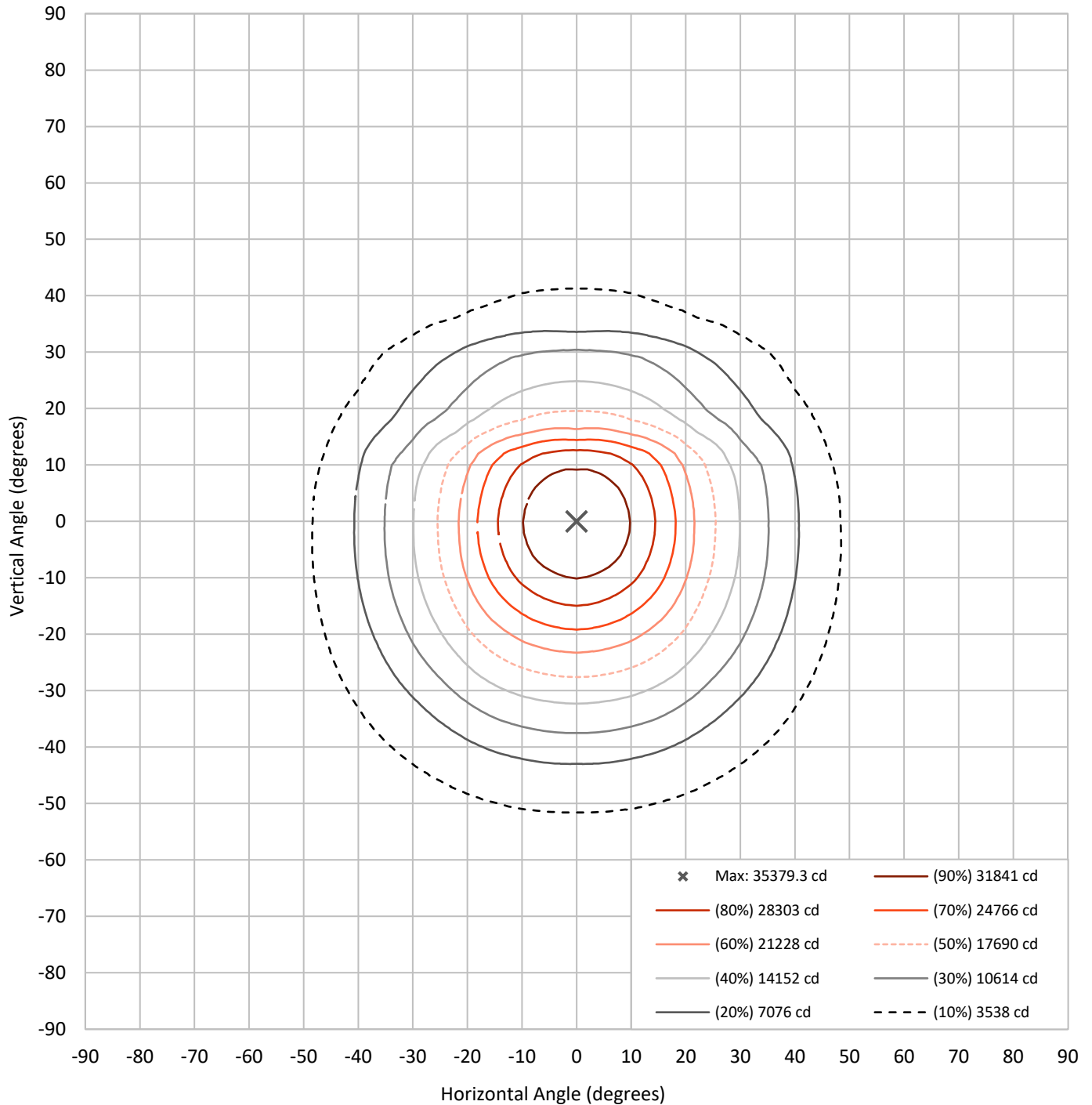
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	31212.2 lumens	Max Intensity:	35379.3 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	99.5 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	50.9°H x 47.1°V	Field Angle (10%):	96.7°H x 92.9°V
Beam Lumens:	15027.2 lumens	Field Lumens:	27945.5 lumens
Beam Efficiency:	48.1%	Field Efficiency:	89.5%
Input Watts (W):	313.7		
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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CATALOG NUMBER: GFLD-SA5E-730-U-WR-VSR-XX

### Iso-Candela Plot





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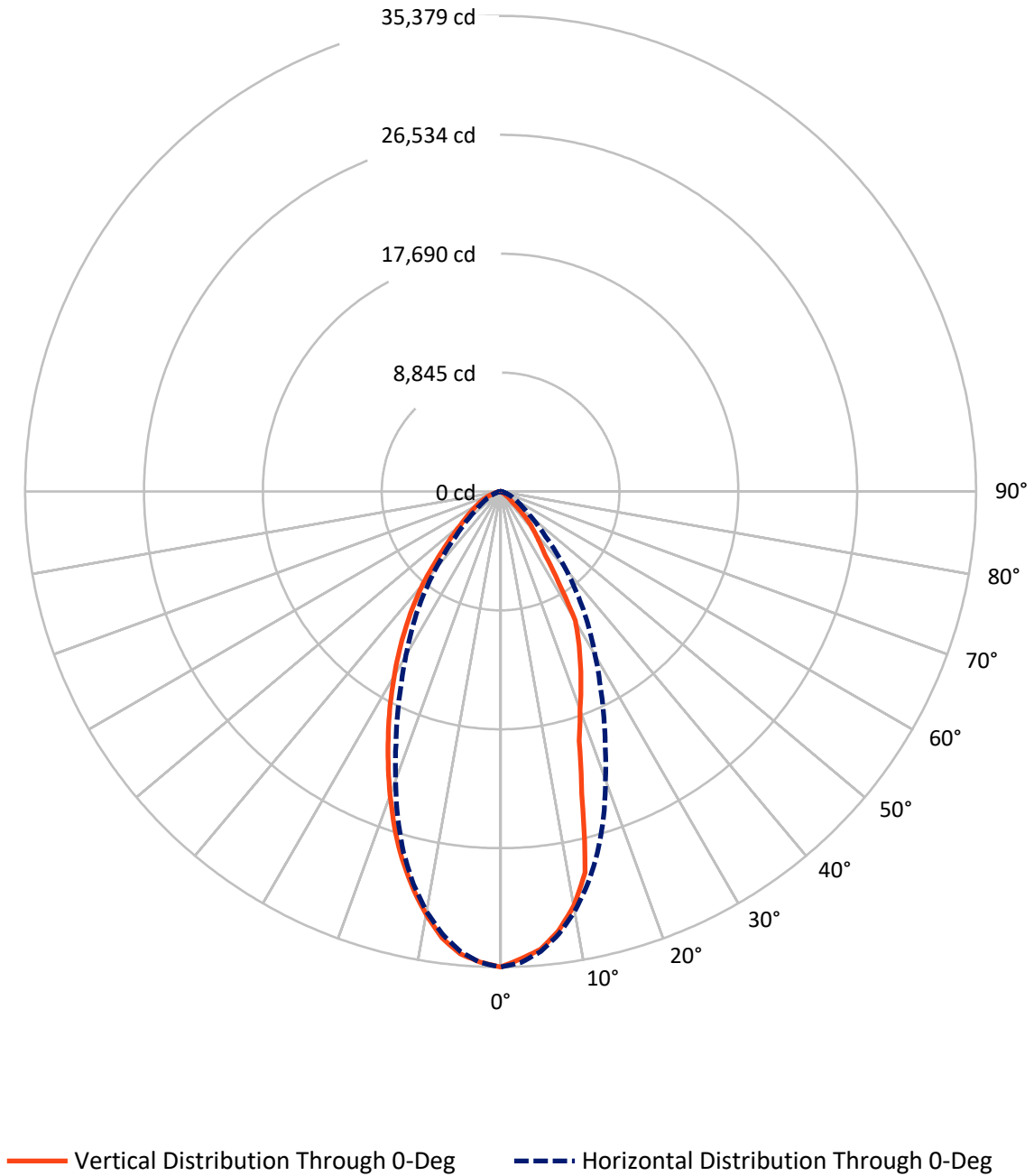
CATALOG NUMBER: GFLD-SA5E-730-U-WR-VSR-XX

### Lumen Table

90																			
80	0.0	0.1		0.2		0.0		0.0		0.0		0.2		0.1		0.0			
70																			
60	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1			
50		0.7	1.6	2.9	4.9	7.2	9.8	11.1	11.1	9.8	7.2	4.9	2.9	1.6	0.7				
40	1.3	2.4	6.1	12.7	23.2	38.1	55.0	67.4	67.4	55.0	38.1	23.2	12.7	6.1	2.4	1.3			
30		4.7	12.2	28.2	58.3	107.1	163.7	196.8	196.8	163.7	107.1	58.3	28.2	12.2	4.7				
20	3.4	7.4	19.8	51.3	121.2	227.6	346.5	417.5	417.5	346.5	227.6	121.2	51.3	19.8	7.4	3.4			
10		10.1	28.2	80.3	199.4	368.8	576.4	712.5	712.5	576.4	368.8	199.4	80.3	28.2	10.1				
0	4.8	11.8	35.4	104.0	261.9	488.1	783.8	993.8	993.8	783.8	488.1	261.9	104.0	35.4	11.8	4.8			
-10		12.3	36.8	107.3	265.7	495.2	791.8	1000.0	1000.0	791.8	495.2	265.7	107.3	36.8	12.3				
-20	5.2	12.1	34.9	95.6	235.4	434.9	670.3	827.1	827.1	670.3	434.9	235.4	95.6	34.9	12.1	5.2			
-30		11.2	30.2	74.8	175.6	327.8	488.6	585.8	585.8	488.6	327.8	175.6	74.8	30.2	11.2				
-40	4.4	9.8	24.5	54.0	110.6	203.4	306.9	365.3	365.3	306.9	203.4	110.6	54.0	24.5	9.8	4.4			
-50		8.1	18.9	37.3	66.4	106.5	152.7	181.8	181.8	152.7	106.5	66.4	37.3	18.9	8.1				
-60	2.8	6.3	13.8	24.9	40.6	58.4	75.5	85.4	85.4	75.5	58.4	40.6	24.9	13.8	6.3	2.8			
-70		4.4	9.2	15.3	23.5	32.1	39.3	42.8	42.8	39.3	32.1	23.5	15.3	9.2	4.4				
-80	0.7	8.9		22.9		41.0		37.4		41.0		22.9		8.9		0.7			
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

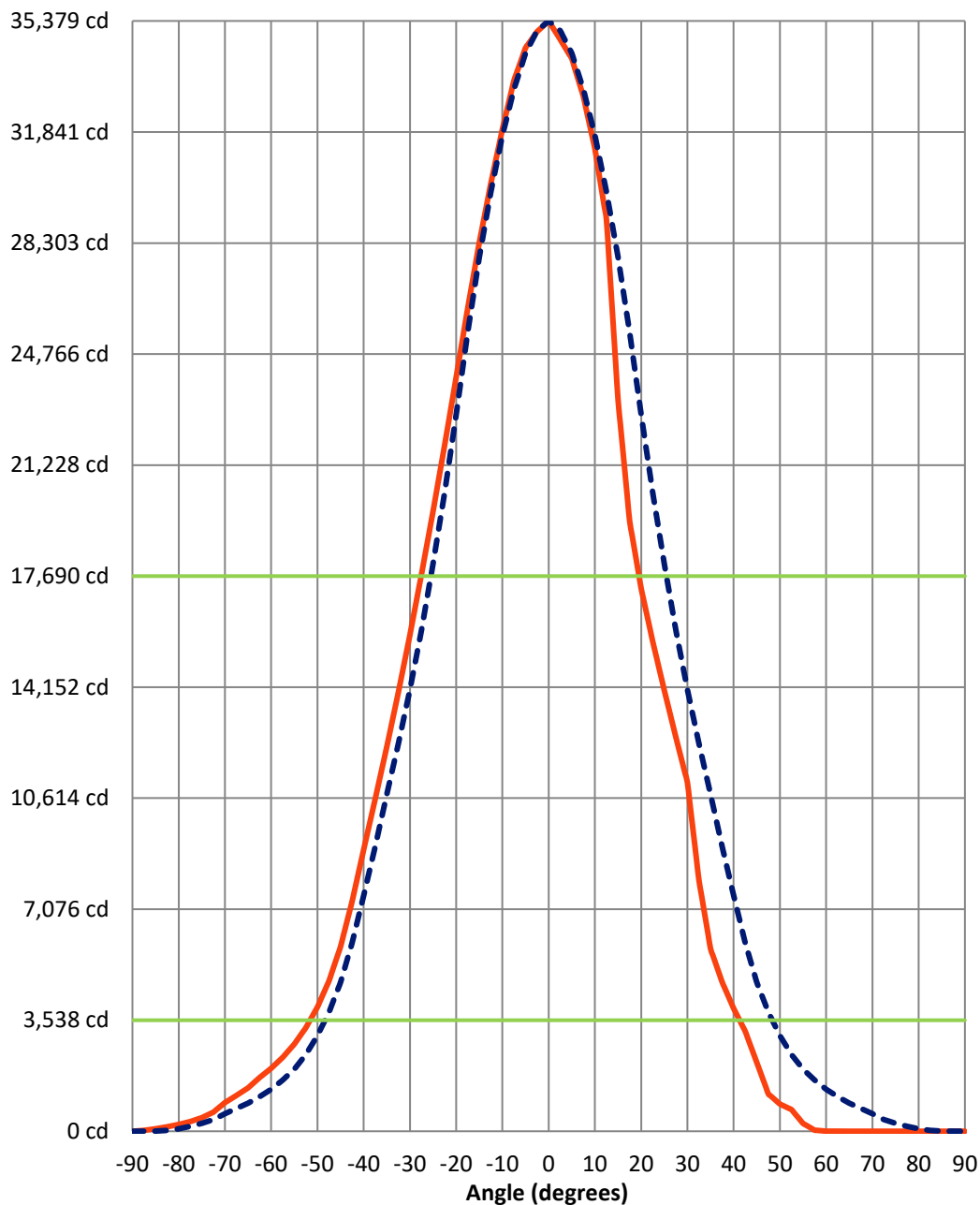
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 50.9°  
 V Angle: 47.1°  
 Lumens: 15027.2  
 Efficiency: 48.1%

**Field:**  
 H Angle: 96.7°  
 V Angle: 92.9°  
 Lumens: 27945.5  
 Efficiency: 89.5%

**Spill:**  
 Lumens: 3266.6  
 Efficiency: 10.5%

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

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FIELD  
BEAM

**CANDELA DISTRIBUTION:**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.8	0.9	1.0	1.1
85°	0.0	0.2	0.4	0.7	0.9	1.1	1.3	1.5	1.7	1.9	2.1
82.5°	0.0	0.3	0.7	1.0	1.3	1.6	1.9	2.2	2.5	2.5	2.5
80°	0.0	0.4	0.9	1.3	1.7	2.2	2.5	2.5	2.5	2.5	2.5
77.5°	0.0	0.5	1.1	1.6	2.2	2.5	2.5	2.5	2.5	2.5	2.5
75°	0.0	0.6	1.3	1.9	2.5	2.5	2.5	2.5	2.5	2.5	2.5
72.5°	0.0	0.8	1.5	2.2	2.5	2.5	2.5	2.5	2.5	2.5	2.5
70°	0.0	0.9	1.7	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.7
67.5°	0.0	1.0	1.9	2.5	2.5	2.5	2.7	2.5	2.5	3.3	3.1
65°	0.0	1.1	2.1	2.5	2.5	2.8	3.0	2.5	3.6	4.1	4.8
62.5°	0.0	1.2	2.3	2.5	2.5	3.4	3.4	3.4	4.8	6.8	10.5
60°	0.0	1.2	2.5	2.5	2.5	4.0	3.9	4.8	6.1	16.7	18.1
57.5°	0.0	1.3	2.5	2.5	3.2	4.7	6.8	6.5	16.5	28.2	31.0
55°	0.0	1.4	2.6	2.5	4.0	5.5	10.4	9.6	30.2	42.5	48.0
52.5°	0.0	1.5	2.6	2.5	4.8	7.0	14.6	23.8	45.1	63.1	68.0
50°	0.0	1.6	2.7	2.5	5.6	11.4	19.3	39.3	63.1	85.9	103.8
47.5°	0.0	1.7	2.7	2.7	6.5	16.0	25.7	55.0	86.6	111.0	140.9
45°	0.0	1.8	2.8	3.4	7.4	21.0	39.4	70.9	110.2	143.8	177.5
42.5°	0.0	1.8	2.9	4.1	8.4	26.3	53.0	89.5	133.8	176.2	218.1
40°	0.0	1.9	3.0	5.0	11.0	31.8	66.6	109.9	158.3	207.8	260.5
37.5°	0.0	2.0	3.1	6.1	15.3	37.6	80.1	130.1	184.8	240.3	303.9
35°	0.0	2.0	3.2	7.3	19.7	46.7	93.4	149.9	211.4	279.1	351.0
32.5°	0.0	2.1	3.3	8.5	24.1	57.2	107.5	169.5	238.1	319.0	404.0
30°	0.0	2.2	3.4	9.9	28.6	67.5	123.3	189.3	264.7	359.7	457.4
27.5°	0.0	2.2	3.6	11.3	33.7	77.5	138.6	211.1	294.0	401.1	511.1
25°	0.0	2.3	3.7	12.8	38.8	87.1	153.4	232.3	327.7	445.1	564.7
22.5°	0.0	2.3	3.9	14.4	43.7	96.4	167.5	253.0	361.1	489.7	619.1
20°	0.0	2.3	4.0	16.0	48.5	105.5	181.0	273.0	393.9	533.3	670.9
17.5°	0.0	2.4	4.1	17.6	53.1	114.1	193.5	292.2	425.9	575.6	720.0
15°	0.0	2.4	4.3	19.2	57.5	122.1	205.0	309.3	456.8	616.4	766.3
12.5°	0.0	2.4	4.4	20.8	61.7	129.5	215.5	323.5	482.4	655.4	809.7
10°	0.0	2.5	4.6	22.3	65.7	136.3	225.0	336.3	502.8	678.4	843.8
7.5°	0.0	2.5	4.7	23.8	69.3	142.5	233.5	347.5	520.8	696.0	861.6
5°	0.0	2.5	4.9	25.2	72.7	147.9	241.0	357.1	536.1	709.9	876.0
2.5°	0.0	2.5	5.0	26.6	75.7	152.7	247.4	365.1	548.8	720.5	887.0
0°	0.0	2.5	5.1	27.8	78.3	156.7	252.7	371.5	558.5	727.8	894.6
-2.5°	0.0	2.7	5.9	29.6	81.9	161.6	259.6	382.2	569.4	738.3	906.4
-5°	0.0	2.8	6.6	31.2	85.1	165.8	265.3	391.2	577.4	745.9	914.9
-7.5°	0.0	3.0	7.3	32.6	87.8	169.1	269.8	398.2	582.5	750.5	919.8
-10°	0.0	3.1	8.0	33.9	90.0	171.6	273.0	403.2	584.6	752.4	921.4
-12.5°	0.0	3.2	8.7	35.0	91.6	173.3	274.9	406.0	583.9	751.2	917.1
-15°	0.0	3.4	9.3	35.9	92.7	174.1	275.5	406.6	579.7	744.7	908.2
-17.5°	0.0	3.5	9.9	36.6	93.2	174.0	274.7	405.8	572.2	735.8	895.8
-20°	0.0	3.6	10.4	37.0	93.1	173.0	273.9	403.9	562.8	724.7	880.1

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CATALOG NUMBER: GFLD-SA5E-730-U-WR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	3.7	10.9	37.3	92.4	171.1	274.1	400.3	551.7	711.6	861.0
-25°	0.0	3.7	11.3	37.3	91.0	170.5	272.8	394.9	539.1	696.4	838.6
-27.5°	0.0	3.8	11.6	37.0	88.9	169.8	270.2	387.9	525.0	678.9	817.9
-30°	0.0	3.8	11.9	36.5	86.3	167.9	266.2	379.3	512.6	659.2	795.6
-32.5°	0.0	3.8	12.1	35.7	85.2	165.1	260.9	372.2	500.4	638.6	771.8
-35°	0.0	3.8	12.2	34.6	83.4	161.1	255.8	364.4	486.6	617.3	746.5
-37.5°	0.0	3.8	12.2	33.3	80.9	156.8	250.0	355.1	471.1	595.5	716.7
-40°	0.0	3.8	12.2	31.7	77.7	153.0	242.8	344.1	454.1	575.0	684.9
-42.5°	0.0	3.7	12.1	30.3	75.4	148.1	234.2	331.5	438.3	548.6	651.0
-45°	0.0	3.7	11.9	29.1	73.9	142.4	224.2	318.4	422.1	520.2	615.8
-47.5°	0.0	3.6	11.6	27.5	71.7	135.6	212.9	305.0	404.0	490.9	583.1
-50°	0.0	3.5	11.3	27.0	68.6	128.0	202.9	290.0	380.2	464.2	549.6
-52.5°	0.0	3.4	10.8	26.7	64.9	119.4	192.3	273.3	356.6	436.3	515.4
-55°	0.0	3.2	10.3	26.0	60.4	112.3	180.4	255.5	332.2	407.2	483.3
-57.5°	0.0	3.1	9.7	24.9	55.2	104.7	167.4	239.7	306.6	377.9	450.0
-60°	0.0	2.9	9.1	23.6	49.5	96.0	153.5	220.6	280.3	347.5	415.7
-62.5°	0.0	2.7	8.5	21.9	46.0	86.4	140.1	199.4	254.3	315.8	380.2
-65°	0.0	2.5	7.9	20.0	42.1	75.8	125.3	177.2	226.6	282.5	343.4
-67.5°	0.0	2.3	7.3	17.8	37.7	66.3	109.3	154.8	197.4	247.3	302.6
-70°	0.0	2.1	6.6	15.3	32.8	58.2	92.1	131.7	169.8	210.4	258.8
-72.5°	0.0	1.8	5.9	13.5	27.5	49.4	78.3	107.8	141.4	177.0	214.6
-75°	0.0	1.6	5.1	11.8	21.8	40.0	64.3	87.8	112.1	142.8	175.1
-77.5°	0.0	1.3	4.3	10.0	18.1	30.2	49.6	69.0	89.1	110.2	134.8
-80°	0.0	1.1	3.5	8.1	14.6	23.1	34.3	49.9	66.2	83.5	101.5
-82.5°	0.0	0.8	2.6	6.1	11.1	17.5	25.3	33.3	43.0	56.3	70.2
-85°	0.0	0.5	1.8	4.1	7.4	11.7	16.9	22.3	28.4	35.1	42.5
-87.5°	0.0	0.3	0.9	2.1	3.7	5.9	8.5	11.2	14.2	17.6	21.3
-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°	1.2	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.8	1.9	2.0
85°	2.3	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
82.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
80°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
77.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
75°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
72.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
70°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.4	2.1
67.5°	2.5	2.5	2.5	2.6	2.5	2.5	2.5	2.5	2.5	1.9	1.3
65°	2.5	2.5	3.4	3.7	2.6	2.5	2.5	2.5	2.6	2.3	2.3
62.5°	3.7	4.5	5.6	8.8	6.5	2.5	4.9	5.7	3.9	3.1	3.4
60°	11.0	7.6	19.4	26.9	17.6	9.3	11.5	22.9	18.9	5.2	13.4
57.5°	22.3	27.5	48.9	51.3	39.5	26.7	58.5	64.9	53.8	33.8	48.6
55°	46.5	65.3	82.6	81.6	82.1	103.2	121.4	119.1	105.0	144.8	182.4
52.5°	88.0	107.5	119.0	129.7	159.2	178.8	184.4	195.5	236.7	286.0	294.9
50°	129.1	149.3	164.4	202.8	233.1	248.5	262.9	300.7	363.0	396.8	402.2
47.5°	170.8	193.3	233.0	275.1	304.3	327.7	352.7	438.4	507.9	536.7	547.2
45°	214.3	253.2	302.8	346.0	379.8	411.5	492.8	609.8	658.7	702.9	815.3
42.5°	259.4	318.0	373.9	419.2	457.3	523.6	636.7	750.1	820.1	914.0	1049.7
40°	316.9	382.7	447.4	493.4	541.0	641.5	781.6	901.6	975.7	1101.7	1256.3
37.5°	375.4	452.2	522.2	570.6	637.6	773.6	938.1	1081.8	1173.7	1276.3	1524.8
35°	433.1	523.2	594.9	660.0	742.7	930.1	1132.9	1292.9	1406.4	1582.1	1896.6
32.5°	494.7	595.5	668.7	757.3	893.3	1102.8	1352.0	1529.5	1717.8	1970.6	2474.3
30°	560.3	663.1	747.4	853.9	1036.2	1280.7	1569.8	1792.9	2048.6	2459.1	3002.1
27.5°	625.7	730.5	834.3	969.7	1170.0	1434.1	1736.1	2087.9	2418.3	2877.3	3470.9
25°	688.6	799.2	919.5	1083.2	1299.7	1576.3	1905.8	2311.7	2742.9	3268.0	3964.9
22.5°	748.6	868.9	1009.8	1185.6	1409.3	1711.2	2104.2	2580.9	3099.1	3642.9	4443.9
20°	807.4	946.8	1108.4	1305.3	1510.1	1835.6	2298.3	2875.5	3524.9	4270.0	5054.9
17.5°	865.5	1023.7	1210.3	1429.1	1677.2	2010.4	2497.2	3184.4	3974.8	4944.6	5911.0
15°	922.5	1099.1	1308.8	1551.5	1845.8	2244.1	2797.0	3552.3	4507.2	5668.5	6813.3
12.5°	977.7	1172.3	1403.4	1671.0	2009.4	2464.1	3079.5	3894.4	4988.6	6376.0	7782.2
10°	1030.6	1242.4	1493.2	1786.3	2166.1	2668.8	3329.3	4190.3	5351.7	6781.5	8345.5
7.5°	1057.5	1289.9	1569.8	1896.0	2313.9	2856.7	3546.6	4440.4	5635.4	7107.7	8675.8
5°	1076.8	1311.7	1598.6	1939.8	2395.1	2984.5	3712.9	4644.9	5844.6	7353.1	8899.6
2.5°	1091.6	1327.3	1619.6	1964.5	2427.2	3027.1	3767.9	4716.2	5956.7	7481.1	9030.0
0°	1101.8	1336.8	1632.5	1978.7	2443.7	3047.7	3793.2	4745.9	6004.4	7510.5	9077.3
-2.5°	1112.6	1349.9	1646.1	2000.7	2466.9	3075.7	3821.1	4766.9	6040.1	7518.7	9103.0
-5°	1118.9	1356.9	1651.4	2011.4	2474.4	3081.0	3819.1	4746.9	6011.7	7459.7	9047.3
-7.5°	1120.6	1357.7	1648.5	2009.3	2464.9	3057.1	3778.7	4687.7	5913.7	7340.3	8910.7
-10°	1117.9	1351.7	1637.6	1991.0	2437.1	3007.5	3706.5	4585.0	5752.6	7143.1	8679.8
-12.5°	1109.7	1339.1	1618.1	1961.3	2392.5	2936.9	3604.8	4438.7	5528.8	6869.1	8354.4
-15°	1096.6	1320.2	1590.0	1920.1	2330.8	2846.1	3474.1	4248.7	5240.8	6520.7	7949.2
-17.5°	1078.5	1295.3	1553.1	1867.5	2252.0	2735.8	3316.1	4026.3	4930.2	6131.8	7498.6
-20°	1055.5	1264.2	1507.5	1803.7	2161.2	2619.6	3169.5	3829.3	4639.5	5686.5	6967.1

Classified

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

Scaled Data Report



REPORT NUMBER: P627752 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-730-U-WR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1027.5	1227.1	1459.3	1742.6	2080.6	2498.9	3005.5	3606.1	4313.4	5171.9	6386.8
-25°	998.7	1191.5	1412.4	1674.6	1988.6	2362.2	2818.0	3365.0	4005.6	4791.4	5795.9
-27.5°	970.3	1150.7	1358.2	1596.2	1885.5	2221.2	2641.6	3140.4	3711.2	4379.4	5197.4
-30°	938.4	1105.1	1298.4	1514.0	1786.6	2098.3	2461.7	2889.1	3396.7	4000.5	4711.5
-32.5°	903.5	1056.1	1240.5	1442.9	1680.8	1964.5	2278.8	2665.3	3107.0	3605.1	4219.6
-35°	868.7	1014.3	1181.2	1366.3	1567.1	1832.8	2121.6	2442.3	2818.0	3259.0	3750.5
-37.5°	835.3	968.8	1117.6	1290.2	1478.6	1699.1	1954.3	2243.9	2567.2	2918.1	3342.8
-40°	798.1	919.5	1060.4	1216.7	1383.3	1574.5	1804.6	2050.3	2328.7	2637.5	2965.4
-42.5°	757.6	874.3	1002.8	1137.6	1290.4	1461.2	1652.0	1876.8	2108.0	2366.8	2653.0
-45°	717.9	825.1	942.7	1065.7	1194.3	1345.2	1518.5	1705.5	1910.5	2121.6	2362.1
-47.5°	676.1	774.1	883.5	990.6	1104.6	1233.3	1380.4	1550.1	1721.1	1909.1	2095.5
-50°	634.3	726.2	818.2	918.2	1020.3	1127.4	1251.7	1398.1	1553.7	1709.7	1873.8
-52.5°	596.8	676.4	759.5	845.3	938.2	1033.6	1137.1	1257.8	1393.9	1531.3	1672.8
-55°	558.6	631.9	700.6	777.4	857.8	943.6	1035.9	1137.5	1240.2	1365.4	1487.1
-57.5°	521.2	586.2	645.9	711.4	783.0	855.9	939.1	1025.4	1118.6	1213.2	1312.8
-60°	483.7	538.9	593.1	649.8	709.8	774.6	841.6	917.4	997.4	1079.5	1165.8
-62.5°	445.0	489.7	537.5	589.4	642.2	692.1	748.2	810.2	876.2	946.7	1019.9
-65°	401.6	438.7	478.6	523.7	573.3	613.6	656.6	703.1	757.7	815.8	873.2
-67.5°	355.2	388.2	420.7	454.2	494.4	530.5	565.9	602.9	643.6	691.1	737.2
-70°	303.7	336.5	365.1	392.9	418.5	444.2	474.2	503.5	536.4	579.0	620.8
-72.5°	251.2	282.0	309.2	332.7	350.8	366.1	384.5	405.7	437.2	476.8	513.8
-75°	203.2	228.0	253.4	276.1	287.7	292.3	296.1	307.3	339.2	379.8	415.7
-77.5°	158.3	179.9	200.6	220.3	228.5	231.7	233.3	233.2	256.7	291.3	327.6
-80°	116.6	131.6	149.1	166.0	171.0	172.5	172.8	171.7	190.9	215.8	242.4
-82.5°	81.0	91.8	103.0	114.5	116.0	115.3	113.6	111.9	127.5	145.4	163.8
-85°	47.2	51.7	58.6	65.6	66.4	66.1	64.9	62.8	71.5	81.2	91.6
-87.5°	23.6	25.9	28.2	30.4	29.7	28.5	26.9	25.1	27.5	30.0	32.6
-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: P627752 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-730-U-WR-VSR-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°	2.0	1.6	1.1	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	2.5	1.9	1.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	2.5	1.9	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	2.5	2.0	1.3	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	2.5	2.0	1.4	0.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0
75°	2.5	2.1	1.5	0.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	2.5	2.2	1.5	0.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0
70°	1.4	0.7	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1.1	1.3	1.3	1.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0
65°	2.6	2.5	1.9	1.2	0.6	0.5	0.6	0.5	0.2	0.0	0.0
62.5°	3.3	3.1	2.2	2.1	2.3	2.5	2.0	1.8	1.7	1.8	2.0
60°	14.3	8.1	8.3	10.6	9.0	4.1	8.2	10.4	9.8	7.4	6.5
57.5°	72.5	60.7	42.4	71.1	73.2	51.1	55.4	72.2	70.0	54.1	53.9
55°	182.7	185.4	199.1	217.1	230.4	236.5	241.9	269.1	298.1	326.6	340.8
52.5°	301.9	337.2	381.1	410.2	430.5	472.1	530.4	557.1	583.1	612.7	634.0
50°	444.6	506.0	550.1	556.5	625.8	670.7	681.3	731.5	786.1	820.1	844.6
47.5°	661.5	739.1	777.5	802.0	886.3	978.7	978.8	1007.7	1144.5	1216.1	1250.6
45°	952.7	1017.4	1085.4	1261.9	1424.2	1475.7	1586.0	1735.3	1832.4	1965.9	2112.7
42.5°	1200.7	1322.2	1492.4	1686.8	1849.6	1985.0	2148.8	2328.3	2543.9	2746.7	2921.6
40°	1446.2	1596.6	1807.4	2018.9	2223.8	2411.5	2675.5	2906.3	3160.6	3439.6	3672.0
37.5°	1766.4	1959.0	2176.9	2443.5	2762.5	2970.8	3333.9	3665.6	3952.2	4289.0	4496.5
35°	2258.4	2509.4	2702.2	3241.3	3629.2	3872.9	4302.7	4847.9	5057.2	5481.4	5682.7
32.5°	2876.8	3210.3	3718.0	4431.8	4949.9	5398.5	6041.1	6594.2	7065.7	7491.7	7934.9
30°	3571.7	4086.4	4834.7	5783.2	6309.4	6937.7	7806.7	8462.6	9202.0	10013.6	10297.9
27.5°	4202.4	4973.3	5842.1	6610.3	7366.1	8148.7	9002.6	9845.2	10645.5	11320.8	11774.0
25°	4786.9	5720.5	6564.8	7385.8	8204.7	9086.2	10051.9	11007.5	11888.1	12583.0	13111.4
22.5°	5389.7	6376.1	7279.3	8112.4	9065.0	10063.8	11090.8	12186.8	13189.1	13910.0	14485.6
20°	5956.5	7053.6	8083.9	9032.4	9932.9	11085.9	12268.5	13431.1	14522.5	15381.3	16044.9
17.5°	6856.3	7808.6	9067.8	10300.0	11314.4	12373.6	13953.9	15153.8	16365.0	17393.5	18097.0
15°	7961.2	9008.3	10308.6	12000.8	13390.8	14604.4	16236.9	18189.0	19617.5	20930.5	21831.2
12.5°	9067.0	10251.4	11657.8	13562.2	15541.2	16970.7	18951.2	21424.8	23088.8	25121.5	26123.7
10°	9914.5	11401.9	12850.3	14588.1	16488.7	18524.3	20659.3	22973.5	25196.8	26942.3	28502.7
7.5°	10255.8	11840.0	13516.8	15289.9	17190.3	19291.2	21566.6	23974.7	26262.8	28212.5	29927.3
5°	10510.8	12134.1	13821.9	15635.0	17666.5	19860.4	22169.8	24698.0	27034.7	29124.3	30878.7
2.5°	10672.9	12311.5	13992.0	15835.3	17972.0	20230.9	22614.6	25209.7	27581.5	29732.7	31481.4
0°	10735.1	12349.9	14070.9	15968.7	18083.9	20348.2	22834.8	25460.5	27851.1	29930.9	31730.2
-2.5°	10743.5	12314.2	14076.1	15964.5	17988.5	20273.9	22790.6	25394.5	27736.5	29807.9	31623.2
-5°	10659.2	12229.2	13992.7	15852.6	17879.3	20147.6	22556.2	25072.3	27306.1	29322.0	31069.8
-7.5°	10488.3	12053.9	13778.4	15595.7	17567.7	19768.0	22081.4	24420.6	26611.9	28545.4	30213.3
-10°	10234.6	11767.3	13432.0	15202.8	17068.7	19161.5	21367.4	23602.4	25657.3	27445.4	28987.8
-12.5°	9891.1	11388.4	12978.1	14668.6	16405.5	18400.8	20483.6	22582.5	24455.4	26087.9	27471.8
-15°	9445.0	10907.3	12446.7	14045.3	15729.8	17534.1	19403.3	21328.5	23055.9	24503.5	25767.8
-17.5°	8919.4	10337.7	11799.7	13281.6	14879.8	16572.7	18307.8	20036.0	21509.3	22795.3	23951.5
-20°	8333.5	9700.0	11088.7	12470.3	13920.3	15485.9	17088.5	18606.4	19893.9	21062.5	22120.4



REPORT NUMBER: P627752 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-730-U-WR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	7676.7	8984.6	10315.6	11608.6	12916.1	14333.7	15765.0	17137.7	18342.0	19341.6	20260.9
-25°	6973.5	8182.0	9438.8	10651.1	11854.6	13125.0	14424.9	15688.0	16747.9	17615.8	18375.4
-27.5°	6264.9	7369.3	8476.6	9617.9	10730.3	11902.5	13079.4	14170.3	15121.9	15921.0	16559.4
-30°	5520.1	6507.4	7518.6	8551.2	9613.4	10686.2	11749.6	12704.8	13535.5	14238.3	14790.0
-32.5°	4901.1	5651.1	6543.9	7481.3	8477.0	9454.4	10379.5	11250.1	12032.9	12646.6	13114.4
-35°	4307.8	4943.0	5611.6	6441.3	7296.7	8196.2	9047.2	9824.2	10521.9	11058.2	11498.3
-37.5°	3797.8	4300.2	4865.6	5458.0	6175.1	6918.7	7686.7	8417.5	9039.7	9507.4	9900.6
-40°	3356.3	3753.0	4204.8	4674.4	5202.1	5736.3	6404.9	7021.7	7529.5	7966.7	8322.9
-42.5°	2957.2	3292.0	3625.6	4010.8	4408.9	4838.3	5307.6	5763.8	6153.5	6519.5	6822.0
-45°	2612.7	2880.1	3146.1	3443.5	3735.9	4085.1	4420.4	4719.5	5035.2	5309.2	5524.9
-47.5°	2311.5	2520.0	2748.0	2970.6	3205.3	3468.3	3717.8	3945.5	4176.8	4377.2	4537.9
-50°	2043.8	2216.5	2402.7	2577.7	2767.5	2959.8	3144.3	3325.4	3501.2	3653.6	3772.2
-52.5°	1809.5	1960.4	2105.4	2244.7	2395.7	2538.1	2671.7	2821.1	2958.5	3078.7	3159.9
-55°	1609.9	1733.2	1852.0	1968.3	2082.5	2190.4	2296.9	2413.0	2519.0	2614.5	2675.0
-57.5°	1422.5	1527.5	1628.1	1723.1	1813.7	1899.5	1989.1	2078.4	2160.1	2232.1	2278.9
-60°	1252.0	1337.8	1424.8	1502.4	1575.4	1644.0	1719.5	1790.9	1856.8	1912.3	1944.6
-62.5°	1095.9	1172.8	1237.0	1298.4	1360.5	1422.3	1475.9	1528.6	1579.5	1622.4	1650.6
-65°	932.6	997.8	1052.5	1101.7	1146.3	1194.1	1239.9	1281.2	1317.9	1345.8	1363.7
-67.5°	786.5	834.5	878.4	917.5	957.2	995.5	1030.7	1062.1	1089.7	1109.2	1122.0
-70°	659.6	696.3	732.1	767.8	803.1	833.0	858.5	881.9	903.2	912.1	916.0
-72.5°	548.2	580.6	612.1	643.6	673.0	696.3	715.1	732.3	747.8	734.5	711.1
-75°	447.1	475.7	505.1	532.8	558.8	576.6	590.5	603.4	615.0	586.2	546.4
-77.5°	364.3	389.5	411.3	432.9	454.3	465.6	474.5	483.1	491.4	459.1	418.4
-80°	270.3	290.6	309.0	327.2	345.1	351.9	355.8	358.4	359.9	332.3	300.4
-82.5°	182.6	193.1	203.3	213.8	224.7	230.4	234.7	238.0	240.3	220.7	198.6
-85°	102.4	105.5	108.0	110.1	111.9	115.4	118.8	122.0	124.8	115.5	105.3
-87.5°	35.2	35.2	35.0	34.8	34.4	34.4	34.4	34.4	34.2	32.7	31.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P627752 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-730-U-WR-VSR-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°	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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5
62.5°	2.2	2.4	2.5	2.5	2.5	2.4	2.2	2.0	1.8	1.7	1.8
60°	5.0	3.1	2.5	2.5	2.5	3.1	5.0	6.5	7.4	9.8	10.4
57.5°	50.3	43.9	39.4	35.4	39.4	43.9	50.3	53.9	54.1	70.0	72.2
55°	334.7	311.6	283.4	250.2	283.4	311.6	334.7	340.8	326.6	298.1	269.1
52.5°	656.5	678.4	691.0	689.9	691.0	678.4	656.5	634.0	612.7	583.1	557.1
50°	864.2	876.1	876.7	866.8	876.7	876.1	864.2	844.6	820.1	786.1	731.5
47.5°	1266.2	1249.6	1221.0	1190.3	1221.0	1249.6	1266.2	1250.6	1216.1	1144.5	1007.7
45°	2209.4	2262.6	2259.1	2191.0	2259.1	2262.6	2209.4	2112.7	1965.9	1832.4	1735.3
42.5°	3019.3	3099.0	3155.4	3184.1	3155.4	3099.0	3019.3	2921.6	2746.7	2543.9	2328.3
40°	3803.0	3880.0	3913.8	3911.9	3913.8	3880.0	3803.0	3672.0	3439.6	3160.6	2906.3
37.5°	4631.1	4730.7	4779.0	4756.0	4779.0	4730.7	4631.1	4496.5	4289.0	3952.2	3665.6
35°	5769.8	5863.0	5864.8	5817.4	5864.8	5863.0	5769.8	5682.7	5481.4	5057.2	4847.9
32.5°	8286.7	8317.9	8078.3	7993.2	8078.3	8317.9	8286.7	7934.9	7491.7	7065.7	6594.2
30°	10580.9	10802.1	11007.8	11111.6	11007.8	10802.1	10580.9	10297.9	10013.6	9202.0	8462.6
27.5°	12115.7	12381.8	12546.7	12557.1	12546.7	12381.8	12115.7	11774.0	11320.8	10645.5	9845.2
25°	13511.7	13809.3	13989.1	14050.6	13989.1	13809.3	13511.7	13111.4	12583.0	11888.1	11007.5
22.5°	14974.2	15324.9	15557.3	15604.8	15557.3	15324.9	14974.2	14485.6	13910.0	13189.1	12186.8
20°	16671.0	17079.3	17302.0	17292.9	17302.0	17079.3	16671.0	16044.9	15381.3	14522.5	13431.1
17.5°	18905.0	19342.8	19535.1	19451.0	19535.1	19342.8	18905.0	18097.0	17393.5	16365.0	15153.8
15°	22755.7	23671.5	23667.8	23302.3	23667.8	23671.5	22755.7	21831.2	20930.5	19617.5	18189.0
12.5°	27505.7	28188.1	28888.3	29038.8	28888.3	28188.1	27505.7	26123.7	25121.5	23088.8	21424.8
10°	29816.9	30723.2	31321.4	31305.6	31321.4	30723.2	29816.9	28502.7	26942.3	25196.8	22973.5
7.5°	31262.9	32264.2	32989.1	32973.5	32989.1	32264.2	31262.9	29927.3	28212.5	26262.8	23974.7
5°	32378.7	33489.4	34131.4	34179.0	34131.4	33489.4	32378.7	30878.7	29124.3	27034.7	24698.0
2.5°	32958.5	34117.7	34889.6	34788.0	34889.6	34117.7	32958.5	31481.4	29732.7	27581.5	25209.7
0°	33201.0	34348.3	35068.5	35379.3	35068.5	34348.3	33201.0	31730.2	29930.9	27851.1	25460.5
-2.5°	33095.1	34211.5	35007.4	35038.2	35007.4	34211.5	33095.1	31623.2	29807.9	27736.5	25394.5
-5°	32528.0	33706.1	34239.4	34522.6	34239.4	33706.1	32528.0	31069.8	29322.0	27306.1	25072.3
-7.5°	31613.6	32496.4	33173.8	33486.5	33173.8	32496.4	31613.6	30213.3	28545.4	26611.9	24420.6
-10°	30190.4	31104.3	31676.8	31934.9	31676.8	31104.3	30190.4	28987.8	27445.4	25657.3	23602.4
-12.5°	28613.7	29444.3	29988.5	30206.4	29988.5	29444.3	28613.7	27471.8	26087.9	24455.4	22582.5
-15°	26854.6	27608.8	28109.7	28318.6	28109.7	27608.8	26854.6	25767.8	24503.5	23055.9	21328.5
-17.5°	24918.2	25579.1	26078.2	26228.7	26078.2	25579.1	24918.2	23951.5	22795.3	21509.3	20036.0
-20°	22927.1	23524.5	23935.5	24025.1	23935.5	23524.5	22927.1	22120.4	21062.5	19893.9	18606.4



REPORT NUMBER: P627752 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-730-U-WR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	20920.8	21413.0	21746.9	21859.4	21746.9	21413.0	20920.8	20260.9	19341.6	18342.0	17137.7
-25°	18960.1	19384.9	19653.7	19754.3	19653.7	19384.9	18960.1	18375.4	17615.8	16747.9	15688.0
-27.5°	17074.4	17470.4	17717.3	17750.3	17717.3	17470.4	17074.4	16559.4	15921.0	15121.9	14170.3
-30°	15219.0	15546.1	15736.4	15817.1	15736.4	15546.1	15219.0	14790.0	14238.3	13535.5	12704.8
-32.5°	13485.0	13770.8	13941.8	13987.5	13941.8	13770.8	13485.0	13114.4	12646.6	12032.9	11250.1
-35°	11848.1	12112.0	12263.5	12251.4	12263.5	12112.0	11848.1	11498.3	11058.2	10521.9	9824.2
-37.5°	10225.5	10469.0	10606.4	10593.6	10606.4	10469.0	10225.5	9900.6	9507.4	9039.7	8417.5
-40°	8615.7	8825.8	8946.9	8976.2	8946.9	8825.8	8615.7	8322.9	7966.7	7529.5	7021.7
-42.5°	7073.4	7267.3	7364.2	7326.0	7364.2	7267.3	7073.4	6822.0	6519.5	6153.5	5763.8
-45°	5675.8	5776.0	5842.0	5883.1	5842.0	5776.0	5675.8	5524.9	5309.2	5035.2	4719.5
-47.5°	4655.5	4738.6	4783.6	4791.4	4783.6	4738.6	4655.5	4537.9	4377.2	4176.8	3945.5
-50°	3864.4	3935.2	3966.4	3957.4	3966.4	3935.2	3864.4	3772.2	3653.6	3501.2	3325.4
-52.5°	3218.3	3259.3	3286.9	3300.4	3286.9	3259.3	3218.3	3159.9	3078.7	2958.5	2821.1
-55°	2720.4	2752.3	2771.0	2777.3	2771.0	2752.3	2720.4	2675.0	2614.5	2519.0	2413.0
-57.5°	2317.8	2348.2	2359.2	2355.3	2359.2	2348.2	2317.8	2278.9	2232.1	2160.1	2078.4
-60°	1969.5	1986.9	1999.9	2006.5	1999.9	1986.9	1969.5	1944.6	1912.3	1856.8	1790.9
-62.5°	1673.1	1689.4	1703.0	1710.8	1703.0	1689.4	1673.1	1650.6	1622.4	1579.5	1528.6
-65°	1376.2	1383.4	1385.4	1382.3	1385.4	1383.4	1376.2	1363.7	1345.8	1317.9	1281.2
-67.5°	1131.5	1137.6	1141.6	1142.2	1141.6	1137.6	1131.5	1122.0	1109.2	1089.7	1062.1
-70°	919.9	922.4	919.5	912.3	919.5	922.4	919.9	916.0	912.1	903.2	881.9
-72.5°	687.2	662.0	636.8	609.0	636.8	662.0	687.2	711.1	734.5	747.8	732.3
-75°	505.2	462.6	447.1	432.1	447.1	462.6	505.2	546.4	586.2	615.0	603.4
-77.5°	375.7	331.3	319.5	308.3	319.5	331.3	375.7	418.4	459.1	491.4	483.1
-80°	267.0	232.4	224.7	217.3	224.7	232.4	267.0	300.4	332.3	359.9	358.4
-82.5°	175.4	151.2	146.4	141.5	146.4	151.2	175.4	198.6	220.7	240.3	238.0
-85°	94.4	83.1	80.8	78.3	80.8	83.1	94.4	105.3	115.5	124.8	122.0
-87.5°	29.5	27.7	27.8	27.8	27.8	27.7	29.5	31.1	32.7	34.2	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: P627752 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-730-U-WR-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°	0.0	0.0	0.0	0.6	1.1	1.6	2.0	2.0	1.9	1.8	1.8
85°	0.0	0.0	0.0	0.6	1.3	1.9	2.5	2.5	2.5	2.5	2.5
82.5°	0.0	0.0	0.0	0.7	1.3	1.9	2.5	2.5	2.5	2.5	2.5
80°	0.0	0.0	0.1	0.7	1.3	2.0	2.5	2.5	2.5	2.5	2.5
77.5°	0.0	0.0	0.1	0.8	1.4	2.0	2.5	2.5	2.5	2.5	2.5
75°	0.0	0.0	0.2	0.8	1.5	2.1	2.5	2.5	2.5	2.5	2.5
72.5°	0.0	0.0	0.2	0.7	1.5	2.2	2.5	2.5	2.5	2.5	2.5
70°	0.0	0.0	0.1	0.1	0.2	0.7	1.4	2.1	2.4	2.5	2.5
67.5°	0.0	0.0	0.4	1.0	1.3	1.3	1.1	1.3	1.9	2.5	2.5
65°	0.6	0.5	0.6	1.2	1.9	2.5	2.6	2.3	2.3	2.6	2.5
62.5°	2.0	2.5	2.3	2.1	2.2	3.1	3.3	3.4	3.1	3.9	5.7
60°	8.2	4.1	9.0	10.6	8.3	8.1	14.3	13.4	5.2	18.9	22.9
57.5°	55.4	51.1	73.2	71.1	42.4	60.7	72.5	48.6	33.8	53.8	64.9
55°	241.9	236.5	230.4	217.1	199.1	185.4	182.7	182.4	144.8	105.0	119.1
52.5°	530.4	472.1	430.5	410.2	381.1	337.2	301.9	294.9	286.0	236.7	195.5
50°	681.3	670.7	625.8	556.5	550.1	506.0	444.6	402.2	396.8	363.0	300.7
47.5°	978.8	978.7	886.3	802.0	777.5	739.1	661.5	547.2	536.7	507.9	438.4
45°	1586.0	1475.7	1424.2	1261.9	1085.4	1017.4	952.7	815.3	702.9	658.7	609.8
42.5°	2148.8	1985.0	1849.6	1686.8	1492.4	1322.2	1200.7	1049.7	914.0	820.1	750.1
40°	2675.5	2411.5	2223.8	2018.9	1807.4	1596.6	1446.2	1256.3	1101.7	975.7	901.6
37.5°	3333.9	2970.8	2762.5	2443.5	2176.9	1959.0	1766.4	1524.8	1276.3	1173.7	1081.8
35°	4302.7	3872.9	3629.2	3241.3	2702.2	2509.4	2258.4	1896.6	1582.1	1406.4	1292.9
32.5°	6041.1	5398.5	4949.9	4431.8	3718.0	3210.3	2876.8	2474.3	1970.6	1717.8	1529.5
30°	7806.7	6937.7	6309.4	5783.2	4834.7	4086.4	3571.7	3002.1	2459.1	2048.6	1792.9
27.5°	9002.6	8148.7	7366.1	6610.3	5842.1	4973.3	4202.4	3470.9	2877.3	2418.3	2087.9
25°	10051.9	9086.2	8204.7	7385.8	6564.8	5720.5	4786.9	3964.9	3268.0	2742.9	2311.7
22.5°	11090.8	10063.8	9065.0	8112.4	7279.3	6376.1	5389.7	4443.9	3642.9	3099.1	2580.9
20°	12268.5	11085.9	9932.9	9032.4	8083.9	7053.6	5956.5	5054.9	4270.0	3524.9	2875.5
17.5°	13953.9	12373.6	11314.4	10300.0	9067.8	7808.6	6856.3	5911.0	4944.6	3974.8	3184.4
15°	16236.9	14604.4	13390.8	12000.8	10308.6	9008.3	7961.2	6813.3	5668.5	4507.2	3552.3
12.5°	18951.2	16970.7	15541.2	13562.2	11657.8	10251.4	9067.0	7782.2	6376.0	4988.6	3894.4
10°	20659.3	18524.3	16488.7	14588.1	12850.3	11401.9	9914.5	8345.5	6781.5	5351.7	4190.3
7.5°	21566.6	19291.2	17190.3	15289.9	13516.8	11840.0	10255.8	8675.8	7107.7	5635.4	4440.4
5°	22169.8	19860.4	17666.5	15635.0	13821.9	12134.1	10510.8	8899.6	7353.1	5844.6	4644.9
2.5°	22614.6	20230.9	17972.0	15835.3	13992.0	12311.5	10672.9	9030.0	7481.1	5956.7	4716.2
0°	22834.8	20348.2	18083.9	15968.7	14070.9	12349.9	10735.1	9077.3	7510.5	6004.4	4745.9
-2.5°	22790.6	20273.9	17988.5	15964.5	14076.1	12314.2	10743.5	9103.0	7518.7	6040.1	4766.9
-5°	22556.2	20147.6	17879.3	15852.6	13992.7	12229.2	10659.2	9047.3	7459.7	6011.7	4746.9
-7.5°	22081.4	19768.0	17567.7	15595.7	13778.4	12053.9	10488.3	8910.7	7340.3	5913.7	4687.7
-10°	21367.4	19161.5	17068.7	15202.8	13432.0	11767.3	10234.6	8679.8	7143.1	5752.6	4585.0
-12.5°	20483.6	18400.8	16405.5	14668.6	12978.1	11388.4	9891.1	8354.4	6869.1	5528.8	4438.7
-15°	19403.3	17534.1	15729.8	14045.3	12446.7	10907.3	9445.0	7949.2	6520.7	5240.8	4248.7
-17.5°	18307.8	16572.7	14879.8	13281.6	11799.7	10337.7	8919.4	7498.6	6131.8	4930.2	4026.3
-20°	17088.5	15485.9	13920.3	12470.3	11088.7	9700.0	8333.5	6967.1	5686.5	4639.5	3829.3



REPORT NUMBER: P627752 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-730-U-WR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	15765.0	14333.7	12916.1	11608.6	10315.6	8984.6	7676.7	6386.8	5171.9	4313.4	3606.1
-25°	14424.9	13125.0	11854.6	10651.1	9438.8	8182.0	6973.5	5795.9	4791.4	4005.6	3365.0
-27.5°	13079.4	11902.5	10730.3	9617.9	8476.6	7369.3	6264.9	5197.4	4379.4	3711.2	3140.4
-30°	11749.6	10686.2	9613.4	8551.2	7518.6	6507.4	5520.1	4711.5	4000.5	3396.7	2889.1
-32.5°	10379.5	9454.4	8477.0	7481.3	6543.9	5651.1	4901.1	4219.6	3605.1	3107.0	2665.3
-35°	9047.2	8196.2	7296.7	6441.3	5611.6	4943.0	4307.8	3750.5	3259.0	2818.0	2442.3
-37.5°	7686.7	6918.7	6175.1	5458.0	4865.6	4300.2	3797.8	3342.8	2918.1	2567.2	2243.9
-40°	6404.9	5736.3	5202.1	4674.4	4204.8	3753.0	3356.3	2965.4	2637.5	2328.7	2050.3
-42.5°	5307.6	4838.3	4408.9	4010.8	3625.6	3292.0	2957.2	2653.0	2366.8	2108.0	1876.8
-45°	4420.4	4085.1	3735.9	3443.5	3146.1	2880.1	2612.7	2362.1	2121.6	1910.5	1705.5
-47.5°	3717.8	3468.3	3205.3	2970.6	2748.0	2520.0	2311.5	2095.5	1909.1	1721.1	1550.1
-50°	3144.3	2959.8	2767.5	2577.7	2402.7	2216.5	2043.8	1873.8	1709.7	1553.7	1398.1
-52.5°	2671.7	2538.1	2395.7	2244.7	2105.4	1960.4	1809.5	1672.8	1531.3	1393.9	1257.8
-55°	2296.9	2190.4	2082.5	1968.3	1852.0	1733.2	1609.9	1487.1	1365.4	1240.2	1137.5
-57.5°	1989.1	1899.5	1813.7	1723.1	1628.1	1527.5	1422.5	1312.8	1213.2	1118.6	1025.4
-60°	1719.5	1644.0	1575.4	1502.4	1424.8	1337.8	1252.0	1165.8	1079.5	997.4	917.4
-62.5°	1475.9	1422.3	1360.5	1298.4	1237.0	1172.8	1095.9	1019.9	946.7	876.2	810.2
-65°	1239.9	1194.1	1146.3	1101.7	1052.5	997.8	932.6	873.2	815.8	757.7	703.1
-67.5°	1030.7	995.5	957.2	917.5	878.4	834.5	786.5	737.2	691.1	643.6	602.9
-70°	858.5	833.0	803.1	767.8	732.1	696.3	659.6	620.8	579.0	536.4	503.5
-72.5°	715.1	696.3	673.0	643.6	612.1	580.6	548.2	513.8	476.8	437.2	405.7
-75°	590.5	576.6	558.8	532.8	505.1	475.7	447.1	415.7	379.8	339.2	307.3
-77.5°	474.5	465.6	454.3	432.9	411.3	389.5	364.3	327.6	291.3	256.7	233.2
-80°	355.8	351.9	345.1	327.2	309.0	290.6	270.3	242.4	215.8	190.9	171.7
-82.5°	234.7	230.4	224.7	213.8	203.3	193.1	182.6	163.8	145.4	127.5	111.9
-85°	118.8	115.4	111.9	110.1	108.0	105.5	102.4	91.6	81.2	71.5	62.8
-87.5°	34.4	34.4	34.4	34.8	35.0	35.2	35.2	32.6	30.0	27.5	25.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





REPORT NUMBER: P627752 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-730-U-WR-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°	1.7	1.6	1.5	1.4	1.3	1.2	1.2	1.1	1.0	0.9	0.8
85°	2.5	2.5	2.5	2.5	2.5	2.5	2.3	2.1	1.9	1.7	1.5
82.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.2
80°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
77.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
75°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
72.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
70°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.7	2.5	2.5	2.5
67.5°	2.5	2.5	2.5	2.6	2.5	2.5	2.5	3.1	3.3	2.5	2.5
65°	2.5	2.5	2.6	3.7	3.4	2.5	2.5	4.8	4.1	3.6	2.5
62.5°	4.9	2.5	6.5	8.8	5.6	4.5	3.7	10.5	6.8	4.8	3.4
60°	11.5	9.3	17.6	26.9	19.4	7.6	11.0	18.1	16.7	6.1	4.8
57.5°	58.5	26.7	39.5	51.3	48.9	27.5	22.3	31.0	28.2	16.5	6.5
55°	121.4	103.2	82.1	81.6	82.6	65.3	46.5	48.0	42.5	30.2	9.6
52.5°	184.4	178.8	159.2	129.7	119.0	107.5	88.0	68.0	63.1	45.1	23.8
50°	262.9	248.5	233.1	202.8	164.4	149.3	129.1	103.8	85.9	63.1	39.3
47.5°	352.7	327.7	304.3	275.1	233.0	193.3	170.8	140.9	111.0	86.6	55.0
45°	492.8	411.5	379.8	346.0	302.8	253.2	214.3	177.5	143.8	110.2	70.9
42.5°	636.7	523.6	457.3	419.2	373.9	318.0	259.4	218.1	176.2	133.8	89.5
40°	781.6	641.5	541.0	493.4	447.4	382.7	316.9	260.5	207.8	158.3	109.9
37.5°	938.1	773.6	637.6	570.6	522.2	452.2	375.4	303.9	240.3	184.8	130.1
35°	1132.9	930.1	742.7	660.0	594.9	523.2	433.1	351.0	279.1	211.4	149.9
32.5°	1352.0	1102.8	893.3	757.3	668.7	595.5	494.7	404.0	319.0	238.1	169.5
30°	1569.8	1280.7	1036.2	853.9	747.4	663.1	560.3	457.4	359.7	264.7	189.3
27.5°	1736.1	1434.1	1170.0	969.7	834.3	730.5	625.7	511.1	401.1	294.0	211.1
25°	1905.8	1576.3	1299.7	1083.2	919.5	799.2	688.6	564.7	445.1	327.7	232.3
22.5°	2104.2	1711.2	1409.3	1185.6	1009.8	868.9	748.6	619.1	489.7	361.1	253.0
20°	2298.3	1835.6	1510.1	1305.3	1108.4	946.8	807.4	670.9	533.3	393.9	273.0
17.5°	2497.2	2010.4	1677.2	1429.1	1210.3	1023.7	865.5	720.0	575.6	425.9	292.2
15°	2797.0	2244.1	1845.8	1551.5	1308.8	1099.1	922.5	766.3	616.4	456.8	309.3
12.5°	3079.5	2464.1	2009.4	1671.0	1403.4	1172.3	977.7	809.7	655.4	482.4	323.5
10°	3329.3	2668.8	2166.1	1786.3	1493.2	1242.4	1030.6	843.8	678.4	502.8	336.3
7.5°	3546.6	2856.7	2313.9	1896.0	1569.8	1289.9	1057.5	861.6	696.0	520.8	347.5
5°	3712.9	2984.5	2395.1	1939.8	1598.6	1311.7	1076.8	876.0	709.9	536.1	357.1
2.5°	3767.9	3027.1	2427.2	1964.5	1619.6	1327.3	1091.6	887.0	720.5	548.8	365.1
0°	3793.2	3047.7	2443.7	1978.7	1632.5	1336.8	1101.8	894.6	727.8	558.5	371.5
-2.5°	3821.1	3075.7	2466.9	2000.7	1646.1	1349.9	1112.6	906.4	738.3	569.4	382.2
-5°	3819.1	3081.0	2474.4	2011.4	1651.4	1356.9	1118.9	914.9	745.9	577.4	391.2
-7.5°	3778.7	3057.1	2464.9	2009.3	1648.5	1357.7	1120.6	919.8	750.5	582.5	398.2
-10°	3706.5	3007.5	2437.1	1991.0	1637.6	1351.7	1117.9	921.4	752.4	584.6	403.2
-12.5°	3604.8	2936.9	2392.5	1961.3	1618.1	1339.1	1109.7	917.1	751.2	583.9	406.0
-15°	3474.1	2846.1	2330.8	1920.1	1590.0	1320.2	1096.6	908.2	744.7	579.7	406.6
-17.5°	3316.1	2735.8	2252.0	1867.5	1553.1	1295.3	1078.5	895.8	735.8	572.2	405.8
-20°	3169.5	2619.6	2161.2	1803.7	1507.5	1264.2	1055.5	880.1	724.7	562.8	403.9

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1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



REPORT NUMBER: P627752 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-730-U-WR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	3005.5	2498.9	2080.6	1742.6	1459.3	1227.1	1027.5	861.0	711.6	551.7	400.3
-25°	2818.0	2362.2	1988.6	1674.6	1412.4	1191.5	998.7	838.6	696.4	539.1	394.9
-27.5°	2641.6	2221.2	1885.5	1596.2	1358.2	1150.7	970.3	817.9	678.9	525.0	387.9
-30°	2461.7	2098.3	1786.6	1514.0	1298.4	1105.1	938.4	795.6	659.2	512.6	379.3
-32.5°	2278.8	1964.5	1680.8	1442.9	1240.5	1056.1	903.5	771.8	638.6	500.4	372.2
-35°	2121.6	1832.8	1567.1	1366.3	1181.2	1014.3	868.7	746.5	617.3	486.6	364.4
-37.5°	1954.3	1699.1	1478.6	1290.2	1117.6	968.8	835.3	716.7	595.5	471.1	355.1
-40°	1804.6	1574.5	1383.3	1216.7	1060.4	919.5	798.1	684.9	575.0	454.1	344.1
-42.5°	1652.0	1461.2	1290.4	1137.6	1002.8	874.3	757.6	651.0	548.6	438.3	331.5
-45°	1518.5	1345.2	1194.3	1065.7	942.7	825.1	717.9	615.8	520.2	422.1	318.4
-47.5°	1380.4	1233.3	1104.6	990.6	883.5	774.1	676.1	583.1	490.9	404.0	305.0
-50°	1251.7	1127.4	1020.3	918.2	818.2	726.2	634.3	549.6	464.2	380.2	290.0
-52.5°	1137.1	1033.6	938.2	845.3	759.5	676.4	596.8	515.4	436.3	356.6	273.3
-55°	1035.9	943.6	857.8	777.4	700.6	631.9	558.6	483.3	407.2	332.2	255.5
-57.5°	939.1	855.9	783.0	711.4	645.9	586.2	521.2	450.0	377.9	306.6	239.7
-60°	841.6	774.6	709.8	649.8	593.1	538.9	483.7	415.7	347.5	280.3	220.6
-62.5°	748.2	692.1	642.2	589.4	537.5	489.7	445.0	380.2	315.8	254.3	199.4
-65°	656.6	613.6	573.3	523.7	478.6	438.7	401.6	343.4	282.5	226.6	177.2
-67.5°	565.9	530.5	494.4	454.2	420.7	388.2	355.2	302.6	247.3	197.4	154.8
-70°	474.2	444.2	418.5	392.9	365.1	336.5	303.7	258.8	210.4	169.8	131.7
-72.5°	384.5	366.1	350.8	332.7	309.2	282.0	251.2	214.6	177.0	141.4	107.8
-75°	296.1	292.3	287.7	276.1	253.4	228.0	203.2	175.1	142.8	112.1	87.8
-77.5°	233.3	231.7	228.5	220.3	200.6	179.9	158.3	134.8	110.2	89.1	69.0
-80°	172.8	172.5	171.0	166.0	149.1	131.6	116.6	101.5	83.5	66.2	49.9
-82.5°	113.6	115.3	116.0	114.5	103.0	91.8	81.0	70.2	56.3	43.0	33.3
-85°	64.9	66.1	66.4	65.6	58.6	51.7	47.2	42.5	35.1	28.4	22.3
-87.5°	26.9	28.5	29.7	30.4	28.2	25.9	23.6	21.3	17.6	14.2	11.2
-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: P627752 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-730-U-WR-VSR-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°	0.6	0.5	0.4	0.3	0.2	0.1	0.0
85°	1.3	1.1	0.9	0.7	0.4	0.2	0.0
82.5°	1.9	1.6	1.3	1.0	0.7	0.3	0.0
80°	2.5	2.2	1.7	1.3	0.9	0.4	0.0
77.5°	2.5	2.5	2.2	1.6	1.1	0.5	0.0
75°	2.5	2.5	2.5	1.9	1.3	0.6	0.0
72.5°	2.5	2.5	2.5	2.2	1.5	0.8	0.0
70°	2.5	2.5	2.5	2.5	1.7	0.9	0.0
67.5°	2.7	2.5	2.5	2.5	1.9	1.0	0.0
65°	3.0	2.8	2.5	2.5	2.1	1.1	0.0
62.5°	3.4	3.4	2.5	2.5	2.3	1.2	0.0
60°	3.9	4.0	2.5	2.5	2.5	1.2	0.0
57.5°	6.8	4.7	3.2	2.5	2.5	1.3	0.0
55°	10.4	5.5	4.0	2.5	2.6	1.4	0.0
52.5°	14.6	7.0	4.8	2.5	2.6	1.5	0.0
50°	19.3	11.4	5.6	2.5	2.7	1.6	0.0
47.5°	25.7	16.0	6.5	2.7	2.7	1.7	0.0
45°	39.4	21.0	7.4	3.4	2.8	1.8	0.0
42.5°	53.0	26.3	8.4	4.1	2.9	1.8	0.0
40°	66.6	31.8	11.0	5.0	3.0	1.9	0.0
37.5°	80.1	37.6	15.3	6.1	3.1	2.0	0.0
35°	93.4	46.7	19.7	7.3	3.2	2.0	0.0
32.5°	107.5	57.2	24.1	8.5	3.3	2.1	0.0
30°	123.3	67.5	28.6	9.9	3.4	2.2	0.0
27.5°	138.6	77.5	33.7	11.3	3.6	2.2	0.0
25°	153.4	87.1	38.8	12.8	3.7	2.3	0.0
22.5°	167.5	96.4	43.7	14.4	3.9	2.3	0.0
20°	181.0	105.5	48.5	16.0	4.0	2.3	0.0
17.5°	193.5	114.1	53.1	17.6	4.1	2.4	0.0
15°	205.0	122.1	57.5	19.2	4.3	2.4	0.0
12.5°	215.5	129.5	61.7	20.8	4.4	2.4	0.0
10°	225.0	136.3	65.7	22.3	4.6	2.5	0.0
7.5°	233.5	142.5	69.3	23.8	4.7	2.5	0.0
5°	241.0	147.9	72.7	25.2	4.9	2.5	0.0
2.5°	247.4	152.7	75.7	26.6	5.0	2.5	0.0
0°	252.7	156.7	78.3	27.8	5.1	2.5	0.0
-2.5°	259.6	161.6	81.9	29.6	5.9	2.7	0.0
-5°	265.3	165.8	85.1	31.2	6.6	2.8	0.0
-7.5°	269.8	169.1	87.8	32.6	7.3	3.0	0.0
-10°	273.0	171.6	90.0	33.9	8.0	3.1	0.0
-12.5°	274.9	173.3	91.6	35.0	8.7	3.2	0.0
-15°	275.5	174.1	92.7	35.9	9.3	3.4	0.0
-17.5°	274.7	174.0	93.2	36.6	9.9	3.5	0.0
-20°	273.9	173.0	93.1	37.0	10.4	3.6	0.0

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1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



REPORT NUMBER: P627752 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-730-U-WR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	274.1	171.1	92.4	37.3	10.9	3.7	0.0
-25°	272.8	170.5	91.0	37.3	11.3	3.7	0.0
-27.5°	270.2	169.8	88.9	37.0	11.6	3.8	0.0
-30°	266.2	167.9	86.3	36.5	11.9	3.8	0.0
-32.5°	260.9	165.1	85.2	35.7	12.1	3.8	0.0
-35°	255.8	161.1	83.4	34.6	12.2	3.8	0.0
-37.5°	250.0	156.8	80.9	33.3	12.2	3.8	0.0
-40°	242.8	153.0	77.7	31.7	12.2	3.8	0.0
-42.5°	234.2	148.1	75.4	30.3	12.1	3.7	0.0
-45°	224.2	142.4	73.9	29.1	11.9	3.7	0.0
-47.5°	212.9	135.6	71.7	27.5	11.6	3.6	0.0
-50°	202.9	128.0	68.6	27.0	11.3	3.5	0.0
-52.5°	192.3	119.4	64.9	26.7	10.8	3.4	0.0
-55°	180.4	112.3	60.4	26.0	10.3	3.2	0.0
-57.5°	167.4	104.7	55.2	24.9	9.7	3.1	0.0
-60°	153.5	96.0	49.5	23.6	9.1	2.9	0.0
-62.5°	140.1	86.4	46.0	21.9	8.5	2.7	0.0
-65°	125.3	75.8	42.1	20.0	7.9	2.5	0.0
-67.5°	109.3	66.3	37.7	17.8	7.3	2.3	0.0
-70°	92.1	58.2	32.8	15.3	6.6	2.1	0.0
-72.5°	78.3	49.4	27.5	13.5	5.9	1.8	0.0
-75°	64.3	40.0	21.8	11.8	5.1	1.6	0.0
-77.5°	49.6	30.2	18.1	10.0	4.3	1.3	0.0
-80°	34.3	23.1	14.6	8.1	3.5	1.1	0.0
-82.5°	25.3	17.5	11.1	6.1	2.6	0.8	0.0
-85°	16.9	11.7	7.4	4.1	1.8	0.5	0.0
-87.5°	8.5	5.9	3.7	2.1	0.9	0.3	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)