

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: P627540 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA4E-750-U-VWR-VSR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P627540 (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-SA4E-750-U-VWR-VSR-XX
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N7 WITH VISOR
Light Source: (64) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

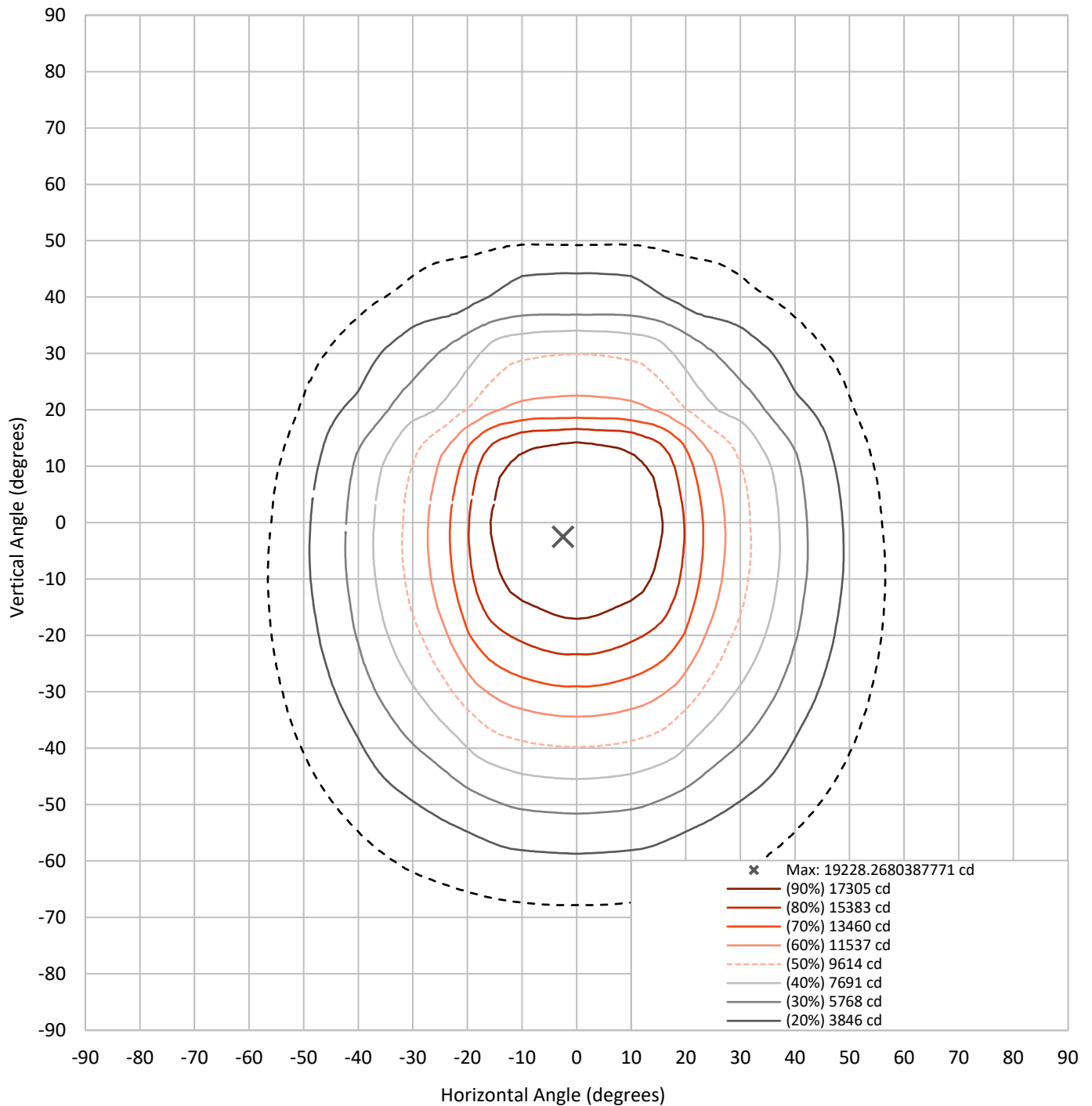
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	25660.8 lumens	Max Intensity:	19228.3 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x -2.5°V
Efficacy:	100.3 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')		
Beam Angle (50%):	63.9°H x 69.6°V	Field Angle (10%):	112.5°H x 117.1°V
Beam Lumens:	14846.5 lumens	Field Lumens:	24350.4 lumens
Beam Efficiency:	57.9%	Field Efficiency:	94.9%
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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CATALOG NUMBER: GFLD-SA4E-750-U-VWR-VSR-XX

Iso-Candela Plot





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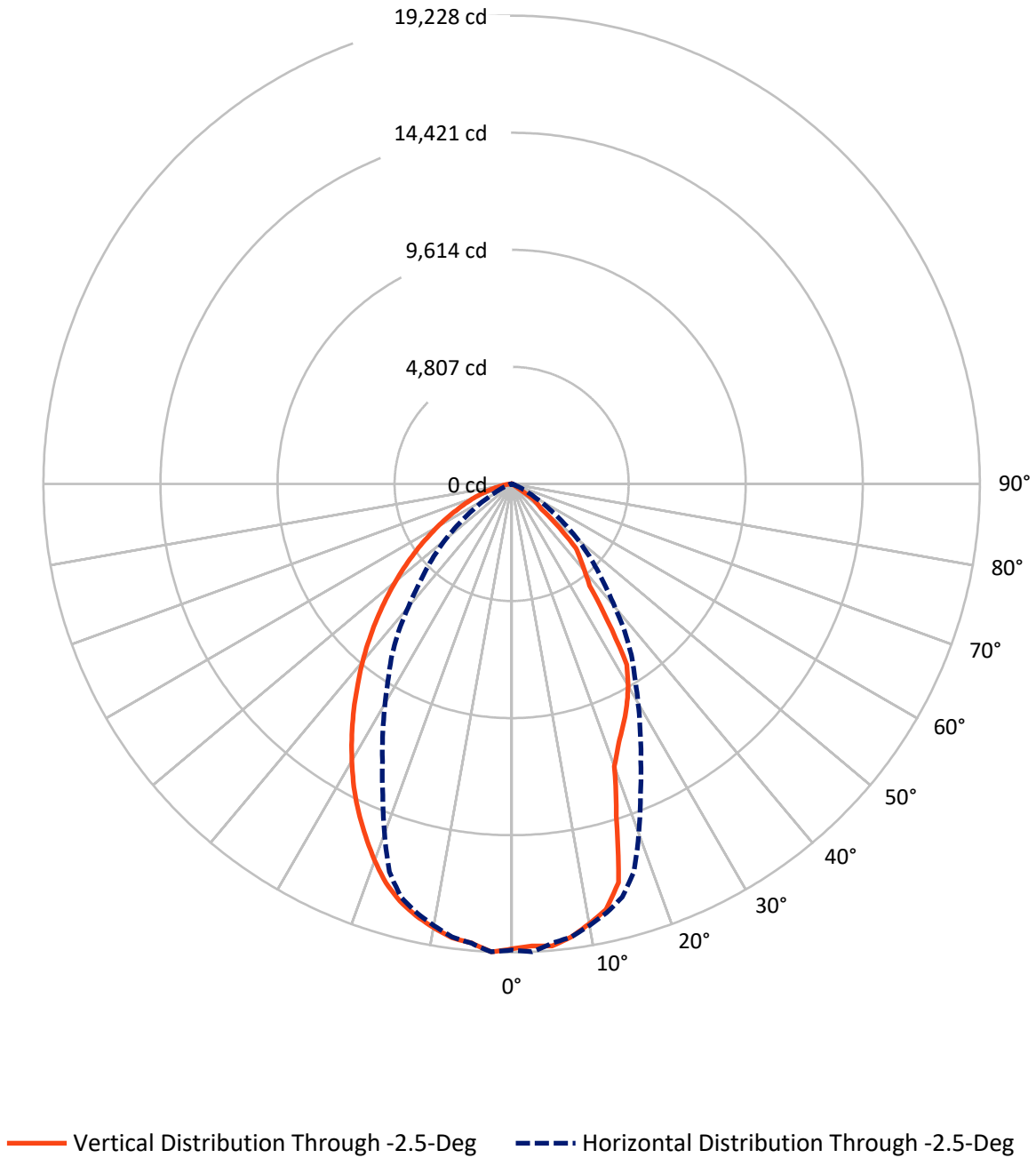
CATALOG NUMBER: GFLD-SA4E-750-U-VWR-VSR-XX

Lumen Table

90																			
80	0.1	0.2		0.2		0.3		0.3		0.3		0.2		0.2		0.1			
70																			
60	0.2	0.1	0.1	0.2	0.2	0.2	0.3	0.2	0.2	0.3	0.2	0.2	0.2	0.1	0.1	0.2			
50		0.2	0.5	2.4	7.0	13.5	20.0	24.9	24.9	20.0	13.5	7.0	2.4	0.5	0.2				
40	0.4	0.5	2.9	13.1	31.8	57.3	84.6	103.6	103.6	84.6	57.3	31.8	13.1	2.9	0.5	0.4			
30		1.2	9.5	33.3	74.3	120.6	180.8	211.4	211.4	180.8	120.6	74.3	33.3	9.5	1.2				
20	0.8	2.8	18.5	59.0	119.8	190.0	285.0	327.6	327.6	285.0	190.0	119.8	59.0	18.5	2.8	0.8			
10		4.9	28.3	87.4	172.6	284.1	423.0	485.1	485.1	423.0	284.1	172.6	87.4	28.3	4.9				
0	1.3	6.6	36.7	103.8	206.5	339.5	499.4	566.8	566.8	499.4	339.5	206.5	103.8	36.7	6.6	1.3			
-10		7.9	40.6	107.8	212.0	347.3	503.1	568.9	568.9	503.1	347.3	212.0	107.8	40.6	7.9				
-20	1.6	8.3	39.6	102.0	199.9	325.2	467.0	527.6	527.6	467.0	325.2	199.9	102.0	39.6	8.3	1.6			
-30		7.5	34.7	89.0	172.7	276.4	391.5	443.4	443.4	391.5	276.4	172.7	89.0	34.7	7.5				
-40	1.6	6.3	27.7	70.0	135.8	213.2	299.0	338.5	338.5	299.0	213.2	135.8	70.0	27.7	6.3	1.6			
-50		5.0	20.4	49.9	97.3	150.0	206.9	234.9	234.9	206.9	150.0	97.3	49.9	20.4	5.0				
-60	1.2	3.8	13.4	32.0	60.5	93.1	126.5	144.2	144.2	126.5	93.1	60.5	32.0	13.4	3.8	1.2			
-70		2.7	8.1	18.7	33.2	49.4	65.4	74.1	74.1	65.4	49.4	33.2	18.7	8.1	2.7				
-80	0.5	6.0		27.7		60.3		67.4		60.3		27.7		6.0		0.5			
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

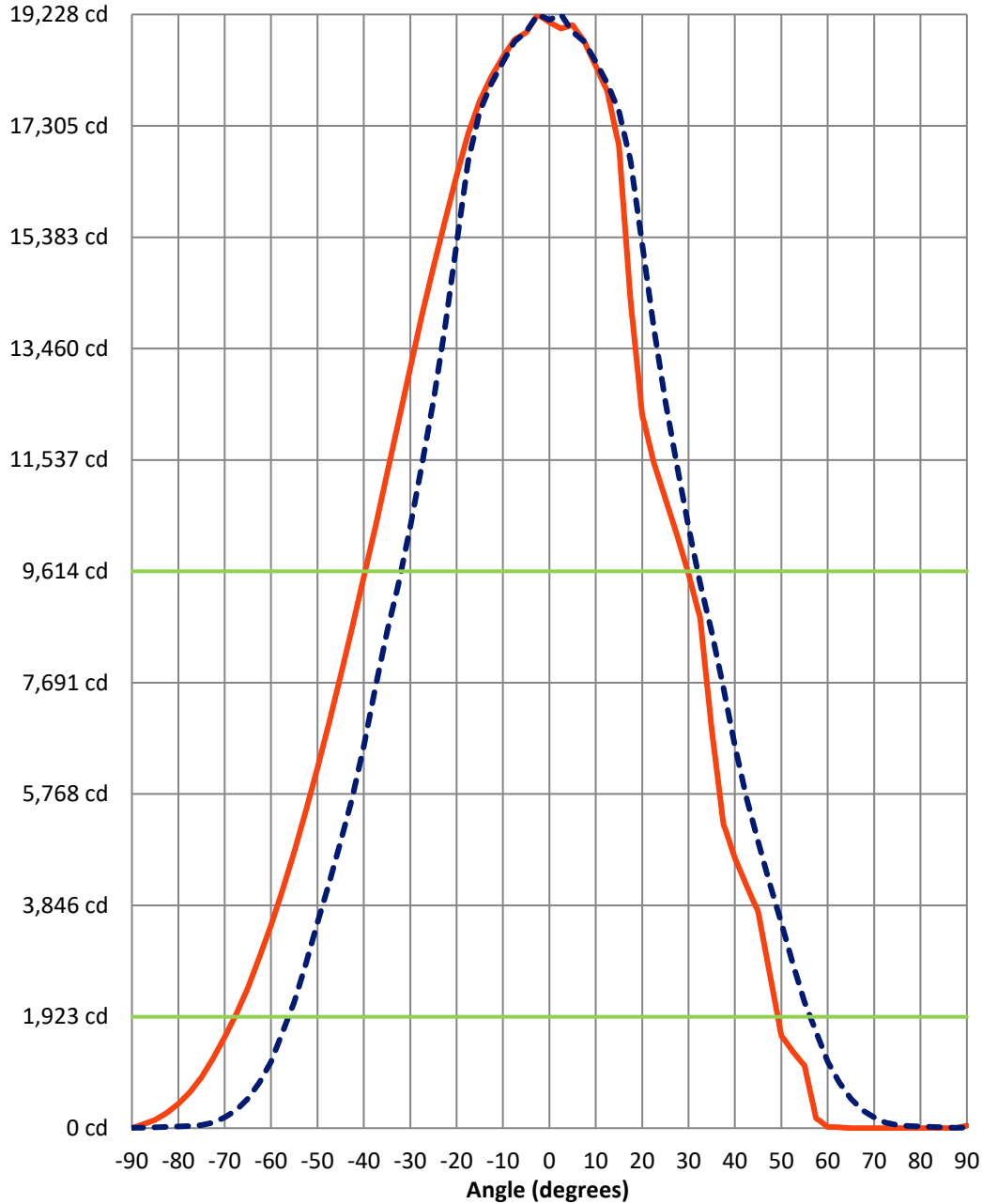
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 63.9°
 V Angle: 69.6°
 Lumens: 14846.5
 Efficiency: 57.9%

Field:
 H Angle: 112.5°
 V Angle: 117.1°
 Lumens: 24350.4
 Efficiency: 94.9%

Spill:
 Lumens: 1310.3
 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°	7.2	7.2	7.2	9.0	10.8	12.6	14.4	16.2	18.0	19.7	21.5
87.5°	7.2	7.2	7.2	7.0	6.6	6.0	5.3	3.8	2.4	1.1	0.0
85°	7.2	7.2	7.2	6.7	6.0	4.9	3.5	2.2	1.2	0.4	0.0
82.5°	7.2	7.2	7.2	6.5	5.4	3.8	1.7	0.6	0.2	1.0	1.9
80°	7.2	7.2	7.2	6.3	4.8	2.7	0.4	1.4	2.6	3.8	4.9
77.5°	7.2	7.2	7.2	6.1	4.2	2.4	2.2	3.5	5.0	6.5	6.5
75°	7.2	7.2	7.2	5.9	3.9	3.5	4.0	5.7	7.1	5.9	3.8
72.5°	7.2	7.2	7.2	5.8	4.6	4.7	5.8	7.1	6.1	4.2	1.3
70°	7.2	7.2	7.2	5.8	5.2	5.7	7.2	6.8	5.3	2.7	3.3
67.5°	7.2	7.2	7.2	6.0	5.7	6.7	7.4	6.6	4.7	5.6	6.4
65°	7.2	7.2	7.2	6.2	6.3	7.5	7.7	6.6	7.2	8.4	8.9
62.5°	7.2	7.2	7.2	6.5	6.8	8.0	8.1	8.1	9.7	10.9	9.9
60°	7.2	7.2	7.2	6.7	7.2	8.6	8.6	10.3	12.2	12.5	11.2
57.5°	7.2	7.2	7.3	6.8	7.9	9.3	10.2	12.5	14.2	14.4	14.0
55°	7.2	7.2	7.4	7.0	8.6	10.1	12.1	14.6	16.4	16.7	17.5
52.5°	7.2	7.2	7.5	7.1	9.4	11.0	13.8	16.6	18.7	19.7	20.9
50°	7.2	7.2	7.7	7.2	10.2	12.5	15.6	18.7	21.2	22.8	24.2
47.5°	7.2	7.2	7.9	7.4	11.0	13.9	17.3	20.7	23.9	25.8	27.6
45°	7.2	7.2	8.1	8.0	11.9	15.3	19.0	22.6	26.5	28.8	30.9
42.5°	7.2	7.2	8.3	8.7	12.8	16.7	20.6	24.8	29.1	31.8	37.5
40°	7.2	7.2	8.6	9.6	13.8	18.0	22.2	27.2	32.0	34.8	44.8
37.5°	7.2	7.2	8.8	10.5	14.8	19.3	23.8	29.8	35.0	39.5	52.1
35°	7.2	7.2	9.2	11.5	15.8	20.5	25.3	32.4	38.1	48.6	66.4
32.5°	7.2	7.2	9.5	12.4	16.7	21.7	26.9	35.1	41.4	59.2	94.7
30°	7.2	7.2	9.8	13.3	17.6	22.9	29.1	37.8	44.8	71.3	122.3
27.5°	7.2	7.2	10.2	14.1	18.8	24.0	31.2	40.6	50.8	84.7	149.0
25°	7.2	7.2	10.6	15.0	19.9	25.0	33.3	43.4	61.2	104.3	175.1
22.5°	7.2	7.2	11.0	15.8	21.0	26.1	35.4	46.3	72.1	125.9	209.7
20°	7.2	7.2	11.4	16.5	22.0	27.5	37.5	49.1	83.5	146.4	244.0
17.5°	7.2	7.2	11.8	17.3	23.0	28.7	39.6	51.8	95.0	165.7	277.8
15°	7.2	7.2	12.2	18.0	24.0	29.9	41.6	55.5	106.6	183.8	310.5
12.5°	7.2	7.2	12.6	18.7	24.9	31.1	43.4	60.4	119.6	200.6	342.0
10°	7.2	7.2	13.0	19.3	25.7	32.2	45.1	65.7	133.2	220.1	373.4
7.5°	7.2	7.2	13.4	19.9	26.6	33.2	46.6	71.0	146.3	239.1	406.6
5°	7.2	7.2	13.7	20.5	27.3	34.2	48.0	76.3	158.4	256.7	437.0
2.5°	7.2	7.2	14.1	21.0	28.0	35.1	49.2	81.4	169.6	272.8	464.4
0°	7.2	7.2	14.4	21.5	28.7	35.9	50.2	86.1	179.4	287.1	488.1
-2.5°	7.2	7.2	14.4	21.5	28.7	35.9	50.2	86.1	179.4	287.1	488.1
-5°	7.2	7.2	14.3	21.4	29.8	37.4	55.6	102.9	192.3	329.7	527.0
-7.5°	7.2	7.2	14.3	21.3	30.3	38.0	57.8	109.9	196.8	345.9	540.7
-10°	7.2	7.2	14.2	21.2	30.6	38.5	59.7	115.7	200.1	357.6	550.7
-12.5°	7.2	7.2	14.1	21.0	30.9	39.0	61.1	120.1	202.4	363.8	558.5
-15°	7.2	7.2	13.9	20.8	31.0	39.4	62.0	122.7	206.6	363.1	561.4
-17.5°	7.2	7.2	13.7	20.5	30.9	39.7	62.3	125.3	212.8	359.4	557.9
-20°	7.2	7.2	13.5	20.2	30.7	39.9	63.9	127.9	216.8	352.8	547.7

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Scaled Data Report



REPORT NUMBER: P627540 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-750-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	7.2	7.2	13.3	19.9	30.3	40.1	68.0	129.0	218.6	343.4	530.3
-25°	7.2	7.2	13.0	19.5	29.8	42.7	71.4	128.6	217.9	331.2	505.4
-27.5°	7.2	7.2	12.8	19.1	29.1	46.1	74.0	126.7	214.9	320.8	487.3
-30°	7.2	7.2	12.5	18.6	28.4	49.0	75.8	123.1	210.8	316.2	466.9
-32.5°	7.2	7.2	12.1	18.1	29.4	51.3	76.7	123.3	205.7	308.3	443.9
-35°	7.2	7.2	11.8	17.6	30.2	53.2	78.8	124.0	198.6	297.2	418.3
-37.5°	7.2	7.2	11.4	17.1	30.7	54.4	80.9	123.6	189.4	282.7	406.9
-40°	7.2	7.2	11.0	16.5	30.9	54.8	82.2	121.9	178.2	268.9	394.1
-42.5°	7.2	7.2	10.6	16.2	31.1	54.8	82.6	119.1	171.8	257.8	374.6
-45°	7.2	7.2	10.2	16.3	31.3	54.4	82.2	116.6	167.2	244.1	350.0
-47.5°	7.2	7.2	9.7	16.2	31.1	53.6	80.9	114.9	161.2	227.6	330.7
-50°	7.2	7.2	9.2	16.0	30.5	52.4	79.2	112.1	156.4	221.7	307.6
-52.5°	7.2	7.2	8.8	15.6	29.6	50.7	77.0	108.1	152.4	213.9	282.9
-55°	7.2	7.2	8.3	15.2	28.3	48.6	74.3	103.2	147.4	204.2	271.1
-57.5°	7.2	7.2	7.7	14.7	26.7	46.0	71.0	98.9	140.5	194.0	257.1
-60°	7.2	7.2	7.2	14.0	24.9	42.9	67.1	94.0	131.7	181.9	241.0
-62.5°	7.2	7.2	7.2	13.2	23.5	39.3	61.7	87.6	120.7	167.5	222.2
-65°	7.2	7.2	7.2	12.4	22.0	35.2	55.6	79.4	107.5	148.7	200.9
-67.5°	7.2	7.2	7.2	11.4	20.3	31.6	48.9	69.7	92.3	126.6	172.6
-70°	7.2	7.2	7.2	10.4	18.4	28.7	41.7	59.4	79.1	102.1	139.5
-72.5°	7.2	7.2	7.2	10.1	16.4	25.6	36.8	48.6	65.2	84.6	106.7
-75°	7.2	7.2	7.2	10.1	14.3	22.3	32.0	40.9	50.8	66.7	84.9
-77.5°	7.2	7.2	7.2	9.9	13.5	18.8	27.0	34.4	42.1	50.5	62.2
-80°	7.2	7.2	7.2	9.8	13.1	16.9	21.8	27.7	33.9	40.7	47.9
-82.5°	7.2	7.2	7.2	9.6	12.6	15.9	19.7	22.5	25.6	30.7	36.1
-85°	7.2	7.2	7.2	9.4	12.0	14.9	18.0	20.4	22.8	25.2	27.5
-87.5°	7.2	7.2	7.2	9.2	11.4	13.7	16.2	18.3	20.4	22.5	24.5
-90°	7.2	7.2	7.2	7.2	7.2	7.2	7.2	5.4	3.6	1.8	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°	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	23.3	25.1	26.9
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°	2.1	1.9	1.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	4.8	3.8	1.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	4.1	2.1	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	1.5	0.1	0.5	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1.2	2.0	1.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	4.1	4.4	2.9	1.2	0.0	0.4	1.1	0.8	0.0	0.4	0.9
67.5°	6.7	5.0	3.3	2.0	2.7	3.6	3.4	3.6	3.9	4.3	3.7
65°	7.0	5.3	5.4	6.3	7.1	7.8	8.4	8.9	7.5	6.5	6.6
62.5°	7.5	8.1	9.4	10.5	11.6	12.5	12.6	11.2	8.5	10.6	12.2
60°	10.7	11.8	13.3	14.7	16.1	16.9	16.1	16.3	18.1	21.0	40.3
57.5°	14.4	15.4	17.1	19.4	21.4	21.7	22.3	24.3	56.9	92.9	102.6
55°	18.1	18.9	21.9	25.5	27.6	27.4	39.4	83.0	125.2	173.5	191.3
52.5°	21.8	23.4	28.5	32.8	35.5	55.3	99.7	158.9	221.3	276.8	348.4
50°	25.5	30.7	36.1	42.3	67.5	119.2	184.1	264.9	359.0	447.5	538.3
47.5°	31.9	38.5	46.6	66.8	133.2	204.9	294.7	424.7	540.7	647.9	772.2
45°	39.5	53.1	62.1	132.2	209.3	301.9	453.9	612.9	718.2	861.6	1081.7
42.5°	47.3	73.5	118.6	199.8	293.7	443.0	631.5	767.0	907.1	1139.5	1370.9
40°	68.0	98.5	178.9	275.5	394.5	612.3	805.7	959.1	1150.3	1408.1	1649.7
37.5°	93.2	150.3	240.4	356.2	552.6	791.3	998.5	1217.6	1437.4	1680.4	2128.5
35°	121.3	198.4	318.4	474.6	710.9	989.9	1236.9	1481.7	1735.0	2213.6	2658.2
32.5°	157.8	242.7	399.9	612.3	881.9	1188.2	1474.9	1757.9	2164.2	2705.8	3151.9
30°	197.0	313.9	493.6	739.7	1042.9	1369.8	1714.5	2057.2	2594.9	3043.1	3527.5
27.5°	238.1	389.0	603.6	872.8	1193.7	1541.2	1930.2	2419.1	2898.7	3341.5	3873.8
25°	280.2	467.4	704.2	1000.0	1342.1	1726.4	2173.9	2769.3	3144.5	3633.8	4189.1
22.5°	334.5	542.3	803.8	1115.4	1479.6	1916.7	2487.4	3085.4	3526.9	3938.5	4480.9
20°	397.1	626.6	912.2	1259.9	1614.3	2102.6	2799.2	3428.1	3947.4	4418.7	4917.0
17.5°	455.7	705.5	1028.1	1407.6	1810.3	2340.9	3105.2	3801.1	4372.6	4897.8	5519.8
15°	509.9	778.4	1141.6	1547.2	2003.0	2613.8	3379.5	4143.8	4796.4	5387.3	6094.1
12.5°	559.4	845.1	1250.9	1678.0	2184.4	2849.2	3609.8	4355.8	5073.1	5843.1	6645.3
10°	604.0	905.0	1354.2	1798.7	2352.5	3048.2	3800.1	4532.6	5256.4	6071.2	6962.5
7.5°	651.9	961.0	1447.9	1908.3	2505.5	3212.6	3952.1	4674.5	5404.4	6253.6	7168.6
5°	696.2	1012.5	1522.4	1986.9	2623.8	3340.9	4066.5	4782.2	5516.8	6389.5	7324.7
2.5°	735.0	1055.9	1583.1	2048.6	2711.5	3435.3	4140.8	4872.0	5600.2	6499.9	7443.9
0°	768.0	1091.0	1629.4	2095.9	2777.8	3502.8	4184.6	4931.1	5648.9	6574.8	7522.3
-2.5°	789.1	1148.6	1661.2	2178.5	2835.7	3547.0	4223.8	4947.6	5701.4	6598.5	7610.3
-5°	803.9	1195.3	1680.3	2242.1	2873.5	3566.5	4236.7	4934.8	5715.4	6592.6	7623.3
-7.5°	812.6	1228.3	1689.3	2278.3	2886.9	3554.8	4214.9	4910.5	5692.5	6570.0	7566.3
-10°	817.6	1238.6	1701.5	2267.3	2869.3	3516.3	4166.3	4853.6	5627.4	6496.6	7458.0
-12.5°	831.1	1232.0	1699.4	2243.3	2831.6	3458.2	4094.3	4763.2	5518.9	6371.4	7308.3
-15°	834.5	1217.2	1679.0	2207.7	2773.9	3382.2	4000.0	4639.4	5385.1	6249.4	7142.7
-17.5°	826.9	1194.9	1639.2	2162.4	2696.6	3290.0	3889.0	4527.9	5259.6	6108.7	6968.9
-20°	807.7	1165.9	1579.1	2108.9	2605.0	3187.6	3777.9	4411.0	5115.3	5913.5	6774.3

Classified

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

Scaled Data Report



REPORT NUMBER: P627540 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-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°
-22.5°	776.2	1130.9	1514.1	2034.2	2525.8	3069.9	3647.6	4251.6	4934.5	5660.3	6512.7
-25°	743.8	1091.4	1462.9	1931.5	2430.5	2932.6	3497.9	4056.8	4722.1	5434.9	6191.4
-27.5°	712.9	1036.2	1409.7	1819.0	2318.4	2785.9	3328.6	3873.8	4483.3	5181.8	5878.3
-30°	672.6	976.6	1344.7	1710.9	2184.3	2647.8	3139.8	3676.4	4224.5	4887.4	5572.6
-32.5°	637.0	914.7	1270.7	1628.4	2040.1	2492.2	2936.3	3447.7	3982.6	4547.7	5224.9
-35°	613.3	878.0	1192.4	1533.3	1893.0	2323.0	2745.4	3189.7	3707.7	4238.1	4832.7
-37.5°	594.0	835.9	1109.8	1434.1	1776.6	2145.6	2541.0	2949.8	3401.8	3936.5	4495.5
-40°	563.7	788.5	1048.7	1339.6	1641.7	1977.3	2344.3	2714.3	3106.2	3628.5	4180.1
-42.5°	524.9	742.6	991.0	1236.7	1512.7	1819.1	2145.3	2493.8	2870.4	3324.1	3831.1
-45°	495.0	683.9	927.0	1147.0	1375.5	1655.7	1962.0	2277.7	2632.9	3022.4	3477.8
-47.5°	457.0	620.1	843.2	1048.8	1250.1	1489.2	1769.4	2068.2	2382.8	2733.9	3107.1
-50°	416.4	566.9	740.6	940.8	1132.8	1331.7	1570.6	1847.0	2132.4	2438.4	2771.4
-52.5°	385.6	504.6	663.2	829.8	1012.8	1193.2	1396.7	1633.6	1888.6	2144.2	2437.1
-55°	350.8	458.8	589.5	738.9	894.7	1061.6	1246.8	1454.4	1662.2	1897.1	2130.8
-57.5°	326.2	414.7	528.0	657.8	797.7	939.6	1114.4	1289.8	1482.3	1676.6	1870.6
-60°	307.1	376.6	470.6	584.9	709.6	842.3	985.7	1147.7	1313.4	1472.0	1639.6
-62.5°	285.1	345.6	419.1	512.3	625.0	740.4	866.8	1005.6	1155.5	1289.0	1418.9
-65°	256.7	309.3	372.4	448.3	536.7	634.3	742.0	859.0	988.5	1096.9	1203.1
-67.5°	224.1	268.4	321.3	383.3	457.1	533.2	612.2	711.2	816.4	904.8	991.3
-70°	183.2	224.1	267.4	317.9	375.8	440.3	509.9	581.7	653.6	725.9	805.0
-72.5°	140.2	177.5	214.2	250.2	296.3	349.2	405.9	466.1	529.0	590.8	650.8
-75°	106.9	131.0	163.1	195.6	227.6	262.0	300.4	348.3	406.7	466.6	521.6
-77.5°	80.7	101.0	122.3	144.7	164.9	190.3	218.0	247.8	296.0	351.3	407.1
-80°	58.2	70.4	87.4	105.3	119.5	133.5	148.1	163.2	199.0	243.6	291.2
-82.5°	43.2	51.5	60.9	71.4	78.6	85.5	93.3	103.3	129.8	160.0	191.7
-85°	29.7	32.2	37.3	43.1	47.1	51.2	55.3	59.6	73.9	90.0	107.2
-87.5°	25.6	26.9	28.3	29.7	30.3	30.8	31.2	31.7	36.5	41.6	46.8
-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: P627540 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-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°	28.7	30.5	32.3	34.1	35.9	37.7	39.5	41.3	43.1	43.1	43.1
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°	0.6	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	3.3	3.7	3.7	3.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0
65°	7.6	7.3	5.4	3.5	1.7	2.7	4.4	5.2	5.3	4.7	3.6
62.5°	11.4	10.5	9.5	10.9	13.1	15.1	14.5	13.7	12.8	12.2	12.6
60°	42.5	28.3	32.7	41.1	38.4	26.3	43.2	48.9	41.7	28.5	27.6
57.5°	107.6	103.8	118.9	173.8	191.3	174.3	208.2	252.8	251.5	216.6	215.4
55°	229.2	307.6	402.1	417.4	483.2	615.1	717.8	672.8	672.5	706.3	815.4
52.5°	435.4	509.3	536.9	610.3	747.8	847.7	911.8	978.2	1050.9	1125.2	1200.4
50°	639.0	710.7	792.2	867.4	1057.8	1160.2	1143.1	1280.7	1456.6	1566.6	1623.1
47.5°	937.2	1050.3	1222.5	1492.4	1634.5	1737.2	1864.9	2020.6	2222.3	2495.7	2706.4
45°	1288.5	1466.4	1732.8	2019.4	2239.9	2340.3	2486.5	2727.7	3049.2	3362.2	3590.8
42.5°	1575.5	1819.6	2120.1	2393.9	2573.8	2738.7	2928.0	3131.4	3499.7	3834.1	4098.3
40°	1950.1	2140.2	2477.4	2735.6	2896.5	3060.1	3360.0	3664.5	4010.8	4322.3	4538.7
37.5°	2424.9	2638.8	2989.5	3281.5	3436.5	3494.4	4004.4	4428.2	4709.7	5107.3	5237.4
35°	2935.0	3287.0	3733.9	4112.5	4264.5	4567.9	5093.3	5684.7	6325.5	6561.1	6762.0
32.5°	3504.0	3938.4	4544.8	4951.1	5168.0	5628.3	6293.3	6924.5	7762.4	8217.1	8353.0
30°	4024.6	4523.1	5044.3	5439.2	5810.0	6364.4	6970.8	7749.2	8523.9	9105.3	9285.8
27.5°	4406.7	4958.2	5459.3	5829.1	6247.5	6845.3	7601.4	8389.6	9150.0	9743.2	9954.0
25°	4771.4	5394.8	5791.6	6221.5	6712.8	7364.2	8202.2	9077.9	9826.9	10328.3	10586.8
22.5°	5186.2	5800.9	6226.8	6591.0	7233.3	7984.0	8761.8	9751.3	10544.9	10945.0	11225.2
20°	5614.3	6309.8	6967.7	7306.5	7862.3	8812.7	9683.4	10617.6	11384.0	11800.8	12096.0
17.5°	6211.7	7098.0	7904.9	8384.6	8979.8	10116.2	11202.6	12147.7	13213.8	13590.3	13951.0
15°	6841.6	7867.4	8812.6	9572.6	10341.4	11467.4	12866.0	14006.4	15222.8	15766.1	16380.2
12.5°	7469.5	8440.2	9296.5	10276.9	11360.5	12356.6	13688.0	15108.2	16212.0	16904.8	17318.3
10°	7938.8	8840.3	9664.4	10647.2	11728.7	12855.5	14178.5	15634.3	16789.8	17381.0	17718.4
7.5°	8192.2	9055.0	9924.2	10920.2	11996.8	13196.8	14560.1	16004.3	17185.8	17758.6	18091.9
5°	8380.3	9209.0	10109.1	11157.4	12246.1	13462.9	14824.2	16251.3	17328.6	17937.3	18358.7
2.5°	8494.2	9306.6	10226.8	11310.8	12402.1	13669.4	15096.5	16575.8	17518.4	18008.1	18395.6
0°	8527.2	9345.5	10292.9	11391.1	12510.9	13788.5	15202.5	16666.8	17621.4	18095.2	18490.0
-2.5°	8564.4	9406.9	10380.3	11443.2	12553.4	13827.5	15270.8	16697.6	17556.4	18034.4	18410.0
-5°	8538.5	9411.6	10382.1	11400.1	12517.7	13781.5	15167.2	16501.2	17399.6	17916.4	18289.8
-7.5°	8461.2	9346.8	10307.2	11285.6	12381.9	13660.1	15039.9	16324.5	17234.6	17779.5	18188.2
-10°	8348.7	9208.5	10175.6	11166.5	12249.6	13466.3	14824.9	16101.9	16972.8	17551.5	18027.8
-12.5°	8224.1	9066.1	9998.2	10948.7	12019.9	13221.6	14537.9	15746.7	16612.5	17243.7	17584.0
-15°	8039.5	8881.0	9772.1	10691.4	11735.5	12901.4	14158.8	15318.5	16168.8	16682.3	17058.4
-17.5°	7804.7	8630.3	9475.1	10347.1	11330.7	12478.9	13744.0	14887.7	15580.8	16039.5	16409.1
-20°	7553.1	8316.6	9117.0	9939.8	10893.2	12030.5	13273.0	14270.6	14923.8	15364.6	15713.6



REPORT NUMBER: P627540 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-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°	7265.8	8001.0	8733.6	9520.2	10455.1	11497.8	12595.2	13559.4	14261.7	14663.1	14985.6
-25°	6937.8	7653.0	8348.7	9108.4	9967.6	10904.9	11925.3	12872.7	13501.8	13928.2	14248.0
-27.5°	6584.6	7256.5	7936.1	8618.3	9390.8	10324.7	11269.6	12149.8	12686.7	13116.5	13438.2
-30°	6232.0	6836.4	7465.2	8111.0	8836.0	9678.0	10561.9	11302.0	11868.3	12285.8	12584.6
-32.5°	5849.9	6423.4	6980.5	7584.2	8266.8	9008.8	9784.5	10488.5	11093.6	11476.1	11727.8
-35°	5458.5	6013.7	6523.7	7071.6	7673.6	8314.0	9030.1	9724.4	10321.9	10624.5	10869.9
-37.5°	5050.9	5604.5	6087.9	6545.7	7064.3	7657.4	8354.8	9017.3	9533.5	9793.6	10014.8
-40°	4696.5	5183.9	5619.0	6057.0	6478.6	7005.3	7656.1	8297.5	8711.7	8965.2	9170.7
-42.5°	4352.3	4763.5	5119.9	5512.5	5934.5	6453.7	6978.8	7516.6	7849.6	8130.9	8347.3
-45°	3951.6	4319.1	4653.2	4979.8	5364.7	5838.7	6315.7	6746.5	7058.3	7330.3	7541.0
-47.5°	3508.4	3863.2	4187.6	4479.6	4837.3	5232.7	5634.3	5992.8	6300.7	6569.4	6757.4
-50°	3095.4	3412.3	3729.1	4024.5	4334.5	4654.3	4980.2	5294.8	5587.1	5848.2	6008.2
-52.5°	2725.3	3017.8	3294.6	3553.0	3824.2	4094.4	4364.2	4652.4	4921.3	5168.5	5296.2
-55°	2390.4	2654.2	2904.0	3121.7	3339.3	3553.6	3784.9	4050.9	4298.6	4527.5	4619.2
-57.5°	2089.9	2315.5	2536.7	2720.7	2898.4	3068.9	3271.9	3496.5	3713.3	3909.5	3984.5
-60°	1813.4	1992.5	2177.4	2340.7	2495.5	2641.7	2818.8	2999.7	3175.5	3323.4	3387.3
-62.5°	1559.1	1712.3	1852.4	1985.1	2116.3	2247.9	2390.8	2534.3	2676.3	2790.2	2847.9
-65°	1313.9	1435.9	1548.5	1657.6	1763.5	1874.1	1986.0	2095.0	2200.1	2281.5	2331.5
-67.5°	1083.8	1176.5	1265.8	1350.9	1439.5	1529.1	1616.6	1700.1	1779.1	1842.0	1889.8
-70°	879.8	951.6	1021.5	1091.9	1165.9	1235.5	1301.4	1363.9	1422.7	1468.0	1504.8
-72.5°	709.2	767.4	827.7	891.2	950.9	1003.0	1050.4	1096.1	1139.8	1165.4	1184.6
-75°	571.8	620.8	673.3	724.5	774.5	814.1	848.8	882.5	914.9	916.6	910.1
-77.5°	461.9	505.7	546.3	586.6	626.5	650.9	672.2	694.1	716.3	703.5	683.2
-80°	339.0	375.5	410.0	444.7	479.4	493.8	503.9	512.6	520.0	503.2	482.5
-82.5°	225.0	248.0	270.4	293.3	316.4	325.6	332.5	338.2	342.7	327.6	310.1
-85°	125.5	136.6	147.4	158.4	169.3	175.8	181.7	187.2	192.1	183.1	172.9
-87.5°	52.2	54.7	57.1	59.5	61.9	64.2	66.5	68.7	70.8	71.1	71.4
-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: P627540 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-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°	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	41.3
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°	2.1	0.4	0.0	0.0	0.0	0.4	2.1	3.6	4.7	5.3	5.2
62.5°	13.2	13.8	14.2	14.4	14.2	13.8	13.2	12.6	12.2	12.8	13.7
60°	25.4	22.2	21.4	21.5	21.4	22.2	25.4	27.6	28.5	41.7	48.9
57.5°	199.0	170.3	174.6	193.8	174.6	170.3	199.0	215.4	216.6	251.5	252.8
55°	929.9	1038.1	1076.2	1055.1	1076.2	1038.1	929.9	815.4	706.3	672.5	672.8
52.5°	1259.9	1304.2	1321.3	1320.7	1321.3	1304.2	1259.9	1200.4	1125.2	1050.9	978.2
50°	1640.2	1625.2	1602.1	1579.1	1602.1	1625.2	1640.2	1623.1	1566.6	1456.6	1280.7
47.5°	2737.2	2689.8	2669.8	2706.0	2669.8	2689.8	2737.2	2706.4	2495.7	2222.3	2020.6
45°	3637.4	3693.0	3734.5	3732.4	3734.5	3693.0	3637.4	3590.8	3362.2	3049.2	2727.7
42.5°	4150.1	4179.7	4188.3	4177.5	4188.3	4179.7	4150.1	4098.3	3834.1	3499.7	3131.4
40°	4606.8	4642.1	4662.0	4679.9	4662.0	4642.1	4606.8	4538.7	4322.3	4010.8	3664.5
37.5°	5280.2	5293.2	5265.0	5247.0	5265.0	5293.2	5280.2	5237.4	5107.3	4709.7	4428.2
35°	6931.4	6965.2	6886.9	6969.6	6886.9	6965.2	6931.4	6762.0	6561.1	6325.5	5684.7
32.5°	8514.9	8673.4	8801.6	8907.6	8801.6	8673.4	8514.9	8353.0	8217.1	7762.4	6924.5
30°	9411.9	9514.1	9569.1	9582.3	9569.1	9514.1	9411.9	9285.8	9105.3	8523.9	7749.2
27.5°	10070.5	10177.6	10244.4	10292.9	10244.4	10177.6	10070.5	9954.0	9743.2	9150.0	8389.6
25°	10705.2	10803.3	10869.9	10895.9	10869.9	10803.3	10705.2	10586.8	10328.3	9826.9	9077.9
22.5°	11363.9	11432.0	11496.0	11527.5	11496.0	11432.0	11363.9	11225.2	10945.0	10544.9	9751.3
20°	12308.1	12271.1	12329.5	12309.9	12329.5	12271.1	12308.1	12096.0	11800.8	11384.0	10617.6
17.5°	14232.3	14252.3	14291.3	14355.6	14291.3	14252.3	14232.3	13951.0	13590.3	13213.8	12147.7
15°	16652.2	16701.0	16948.5	17169.2	16948.5	16701.0	16652.2	16380.2	15766.1	15222.8	14006.4
12.5°	17702.0	17870.4	17896.6	17958.8	17896.6	17870.4	17702.0	17318.3	16904.8	16212.0	15108.2
10°	18052.2	18344.1	18337.8	18411.0	18337.8	18344.1	18052.2	17718.4	17381.0	16789.8	15634.3
7.5°	18317.9	18631.4	18763.8	18820.1	18763.8	18631.4	18317.9	18091.9	17758.6	17185.8	16004.3
5°	18642.5	18814.8	19043.4	18978.0	19043.4	18814.8	18642.5	18358.7	17937.3	17328.6	16251.3
2.5°	18778.5	19048.5	18986.2	19049.8	18986.2	19048.5	18778.5	18395.6	18008.1	17518.4	16575.8
0°	18870.4	19064.2	19092.9	19157.5	19092.9	19064.2	18870.4	18490.0	18095.2	17621.4	16666.8
-2.5°	18759.1	18929.6	19228.3	19136.0	19228.3	18929.6	18759.1	18410.0	18034.4	17556.4	16697.6
-5°	18661.5	19081.2	18918.2	19121.6	18918.2	19081.2	18661.5	18289.8	17916.4	17399.6	16501.2
-7.5°	18611.1	18686.2	18794.4	18949.3	18794.4	18686.2	18611.1	18188.2	17779.5	17234.6	16324.5
-10°	18221.5	18298.3	18497.1	18604.8	18497.1	18298.3	18221.5	18027.8	17551.5	16972.8	16101.9
-12.5°	17799.0	17947.6	18156.5	18224.4	18156.5	17947.6	17799.0	17584.0	17243.7	16612.5	15746.7
-15°	17312.3	17533.1	17736.6	17779.4	17736.6	17533.1	17312.3	17058.4	16682.3	16168.8	15318.5
-17.5°	16693.4	16958.2	17172.0	17219.5	17172.0	16958.2	16693.4	16409.1	16039.5	15580.8	14887.7
-20°	16011.4	16265.0	16446.9	16501.7	16446.9	16265.0	16011.4	15713.6	15364.6	14923.8	14270.6



REPORT NUMBER: P627540 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-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°	15281.3	15509.6	15663.4	15640.4	15663.4	15509.6	15281.3	14985.6	14663.1	14261.7	13559.4
-25°	14506.1	14718.0	14864.5	14843.6	14864.5	14718.0	14506.1	14248.0	13928.2	13501.8	12872.7
-27.5°	13686.5	13887.3	14028.0	14032.6	14028.0	13887.3	13686.5	13438.2	13116.5	12686.7	12149.8
-30°	12825.4	13007.7	13122.1	13077.9	13122.1	13007.7	12825.4	12584.6	12285.8	11868.3	11302.0
-32.5°	11937.2	12102.1	12206.9	12238.1	12206.9	12102.1	11937.2	11727.8	11476.1	11093.6	10488.5
-35°	11061.1	11206.5	11297.0	11319.4	11297.0	11206.5	11061.1	10869.9	10624.5	10321.9	9724.4
-37.5°	10190.7	10315.8	10379.0	10350.4	10379.0	10315.8	10190.7	10014.8	9793.6	9533.5	9017.3
-40°	9330.5	9449.6	9522.0	9539.3	9522.0	9449.6	9330.5	9170.7	8965.2	8711.7	8297.5
-42.5°	8484.8	8583.9	8647.4	8677.9	8647.4	8583.9	8484.8	8347.3	8130.9	7849.6	7516.6
-45°	7664.0	7752.6	7812.2	7845.3	7812.2	7752.6	7664.0	7541.0	7330.3	7058.3	6746.5
-47.5°	6865.4	6943.1	6994.6	7019.9	6994.6	6943.1	6865.4	6757.4	6569.4	6300.7	5992.8
-50°	6101.8	6169.1	6217.0	6244.7	6217.0	6169.1	6101.8	6008.2	5848.2	5587.1	5294.8
-52.5°	5377.6	5436.4	5477.3	5498.2	5477.3	5436.4	5377.6	5296.2	5168.5	4921.3	4652.4
-55°	4686.1	4733.8	4771.6	4794.8	4771.6	4733.8	4686.1	4619.2	4527.5	4298.6	4050.9
-57.5°	4041.3	4080.2	4116.1	4141.6	4116.1	4080.2	4041.3	3984.5	3909.5	3713.3	3496.5
-60°	3437.7	3474.4	3504.9	3524.3	3504.9	3474.4	3437.7	3387.3	3323.4	3175.5	2999.7
-62.5°	2893.0	2925.5	2953.4	2971.6	2953.4	2925.5	2893.0	2847.9	2790.2	2676.3	2534.3
-65°	2370.8	2399.9	2420.8	2433.3	2420.8	2399.9	2370.8	2331.5	2281.5	2200.1	2095.0
-67.5°	1930.6	1964.2	1970.9	1966.7	1970.9	1964.2	1930.6	1889.8	1842.0	1779.1	1700.1
-70°	1537.7	1566.1	1572.8	1571.9	1572.8	1566.1	1537.7	1504.8	1468.0	1422.7	1363.9
-72.5°	1202.4	1217.9	1204.6	1184.3	1204.6	1217.9	1202.4	1184.6	1165.4	1139.8	1096.1
-75°	902.2	892.3	878.4	861.3	878.4	892.3	902.2	910.1	916.6	914.9	882.5
-77.5°	660.8	636.3	620.3	602.9	620.3	636.3	660.8	683.2	703.5	716.3	694.1
-80°	460.1	436.1	419.6	402.0	419.6	436.1	460.1	482.5	503.2	520.0	512.6
-82.5°	291.5	271.8	261.8	251.2	261.8	271.8	291.5	310.1	327.6	342.7	338.2
-85°	161.8	150.2	143.4	136.4	143.4	150.2	161.8	172.9	183.1	192.1	187.2
-87.5°	71.6	71.7	68.2	64.6	68.2	71.7	71.6	71.4	71.1	70.8	68.7
-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: P627540 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-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°	39.5	37.7	35.9	34.1	32.3	30.5	28.7	26.9	25.1	23.3	21.5
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	0.2	0.0	0.0	0.6	0.9	0.4	0.0	0.8
67.5°	0.0	0.0	1.3	3.0	3.7	3.7	3.3	3.7	4.3	3.9	3.6
65°	4.4	2.7	1.7	3.5	5.4	7.3	7.6	6.6	6.5	7.5	8.9
62.5°	14.5	15.1	13.1	10.9	9.5	10.5	11.4	12.2	10.6	8.5	11.2
60°	43.2	26.3	38.4	41.1	32.7	28.3	42.5	40.3	21.0	18.1	16.3
57.5°	208.2	174.3	191.3	173.8	118.9	103.8	107.6	102.6	92.9	56.9	24.3
55°	717.8	615.1	483.2	417.4	402.1	307.6	229.2	191.3	173.5	125.2	83.0
52.5°	911.8	847.7	747.8	610.3	536.9	509.3	435.4	348.4	276.8	221.3	158.9
50°	1143.1	1160.2	1057.8	867.4	792.2	710.7	639.0	538.3	447.5	359.0	264.9
47.5°	1864.9	1737.2	1634.5	1492.4	1222.5	1050.3	937.2	772.2	647.9	540.7	424.7
45°	2486.5	2340.3	2239.9	2019.4	1732.8	1466.4	1288.5	1081.7	861.6	718.2	612.9
42.5°	2928.0	2738.7	2573.8	2393.9	2120.1	1819.6	1575.5	1370.9	1139.5	907.1	767.0
40°	3360.0	3060.1	2896.5	2735.6	2477.4	2140.2	1950.1	1649.7	1408.1	1150.3	959.1
37.5°	4004.4	3494.4	3436.5	3281.5	2989.5	2638.8	2424.9	2128.5	1680.4	1437.4	1217.6
35°	5093.3	4567.9	4264.5	4112.5	3733.9	3287.0	2935.0	2658.2	2213.6	1735.0	1481.7
32.5°	6293.3	5628.3	5168.0	4951.1	4544.8	3938.4	3504.0	3151.9	2705.8	2164.2	1757.9
30°	6970.8	6364.4	5810.0	5439.2	5044.3	4523.1	4024.6	3527.5	3043.1	2594.9	2057.2
27.5°	7601.4	6845.3	6247.5	5829.1	5459.3	4958.2	4406.7	3873.8	3341.5	2898.7	2419.1
25°	8202.2	7364.2	6712.8	6221.5	5791.6	5394.8	4771.4	4189.1	3633.8	3144.5	2769.3
22.5°	8761.8	7984.0	7233.3	6591.0	6226.8	5800.9	5186.2	4480.9	3938.5	3526.9	3085.4
20°	9683.4	8812.7	7862.3	7306.5	6967.7	6309.8	5614.3	4917.0	4418.7	3947.4	3428.1
17.5°	11202.6	10116.2	8979.8	8384.6	7904.9	7098.0	6211.7	5519.8	4897.8	4372.6	3801.1
15°	12866.0	11467.4	10341.4	9572.6	8812.6	7867.4	6841.6	6094.1	5387.3	4796.4	4143.8
12.5°	13688.0	12356.6	11360.5	10276.9	9296.5	8440.2	7469.5	6645.3	5843.1	5073.1	4355.8
10°	14178.5	12855.5	11728.7	10647.2	9664.4	8840.3	7938.8	6962.5	6071.2	5256.4	4532.6
7.5°	14560.1	13196.8	11996.8	10920.2	9924.2	9055.0	8192.2	7168.6	6253.6	5404.4	4674.5
5°	14824.2	13462.9	12246.1	11157.4	10109.1	9209.0	8380.3	7324.7	6389.5	5516.8	4782.2
2.5°	15096.5	13669.4	12402.1	11310.8	10226.8	9306.6	8494.2	7443.9	6499.9	5600.2	4872.0
0°	15202.5	13788.5	12510.9	11391.1	10292.9	9345.5	8527.2	7522.3	6574.8	5648.9	4931.1
-2.5°	15270.8	13827.5	12553.4	11443.2	10380.3	9406.9	8564.4	7610.3	6598.5	5701.4	4947.6
-5°	15167.2	13781.5	12517.7	11400.1	10382.1	9411.6	8538.5	7623.3	6592.6	5715.4	4934.8
-7.5°	15039.9	13660.1	12381.9	11285.6	10307.2	9346.8	8461.2	7566.3	6570.0	5692.5	4910.5
-10°	14824.9	13466.3	12249.6	11166.5	10175.6	9208.5	8348.7	7458.0	6496.6	5627.4	4853.6
-12.5°	14537.9	13221.6	12019.9	10948.7	9998.2	9066.1	8224.1	7308.3	6371.4	5518.9	4763.2
-15°	14158.8	12901.4	11735.5	10691.4	9772.1	8881.0	8039.5	7142.7	6249.4	5385.1	4639.4
-17.5°	13744.0	12478.9	11330.7	10347.1	9475.1	8630.3	7804.7	6968.9	6108.7	5259.6	4527.9
-20°	13273.0	12030.5	10893.2	9939.8	9117.0	8316.6	7553.1	6774.3	5913.5	5115.3	4411.0



REPORT NUMBER: P627540 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-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°	12595.2	11497.8	10455.1	9520.2	8733.6	8001.0	7265.8	6512.7	5660.3	4934.5	4251.6
-25°	11925.3	10904.9	9967.6	9108.4	8348.7	7653.0	6937.8	6191.4	5434.9	4722.1	4056.8
-27.5°	11269.6	10324.7	9390.8	8618.3	7936.1	7256.5	6584.6	5878.3	5181.8	4483.3	3873.8
-30°	10561.9	9678.0	8836.0	8111.0	7465.2	6836.4	6232.0	5572.6	4887.4	4224.5	3676.4
-32.5°	9784.5	9008.8	8266.8	7584.2	6980.5	6423.4	5849.9	5224.9	4547.7	3982.6	3447.7
-35°	9030.1	8314.0	7673.6	7071.6	6523.7	6013.7	5458.5	4832.7	4238.1	3707.7	3189.7
-37.5°	8354.8	7657.4	7064.3	6545.7	6087.9	5604.5	5050.9	4495.5	3936.5	3401.8	2949.8
-40°	7656.1	7005.3	6478.6	6057.0	5619.0	5183.9	4696.5	4180.1	3628.5	3106.2	2714.3
-42.5°	6978.8	6453.7	5934.5	5512.5	5119.9	4763.5	4352.3	3831.1	3324.1	2870.4	2493.8
-45°	6315.7	5838.7	5364.7	4979.8	4653.2	4319.1	3951.6	3477.8	3022.4	2632.9	2277.7
-47.5°	5634.3	5232.7	4837.3	4479.6	4187.6	3863.2	3508.4	3107.1	2733.9	2382.8	2068.2
-50°	4980.2	4654.3	4334.5	4024.5	3729.1	3412.3	3095.4	2771.4	2438.4	2132.4	1847.0
-52.5°	4364.2	4094.4	3824.2	3553.0	3294.6	3017.8	2725.3	2437.1	2144.2	1888.6	1633.6
-55°	3784.9	3553.6	3339.3	3121.7	2904.0	2654.2	2390.4	2130.8	1897.1	1662.2	1454.4
-57.5°	3271.9	3068.9	2898.4	2720.7	2536.7	2315.5	2089.9	1870.6	1676.6	1482.3	1289.8
-60°	2818.8	2641.7	2495.5	2340.7	2177.4	1992.5	1813.4	1639.6	1472.0	1313.4	1147.7
-62.5°	2390.8	2247.9	2116.3	1985.1	1852.4	1712.3	1559.1	1418.9	1289.0	1155.5	1005.6
-65°	1986.0	1874.1	1763.5	1657.6	1548.5	1435.9	1313.9	1203.1	1096.9	988.5	859.0
-67.5°	1616.6	1529.1	1439.5	1350.9	1265.8	1176.5	1083.8	991.3	904.8	816.4	711.2
-70°	1301.4	1235.5	1165.9	1091.9	1021.5	951.6	879.8	805.0	725.9	653.6	581.7
-72.5°	1050.4	1003.0	950.9	891.2	827.7	767.4	709.2	650.8	590.8	529.0	466.1
-75°	848.8	814.1	774.5	724.5	673.3	620.8	571.8	521.6	466.6	406.7	348.3
-77.5°	672.2	650.9	626.5	586.6	546.3	505.7	461.9	407.1	351.3	296.0	247.8
-80°	503.9	493.8	479.4	444.7	410.0	375.5	339.0	291.2	243.6	199.0	163.2
-82.5°	332.5	325.6	316.4	293.3	270.4	248.0	225.0	191.7	160.0	129.8	103.3
-85°	181.7	175.8	169.3	158.4	147.4	136.6	125.5	107.2	90.0	73.9	59.6
-87.5°	66.5	64.2	61.9	59.5	57.1	54.7	52.2	46.8	41.6	36.5	31.7
-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: P627540 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-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°	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	19.7	18.0	16.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.4	3.8
85°	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.4	1.2	2.2
82.5°	0.0	0.0	0.0	0.1	1.2	1.9	2.1	1.9	1.0	0.2	0.6
80°	0.0	0.0	0.0	0.2	1.8	3.8	4.8	4.9	3.8	2.6	1.4
77.5°	0.0	0.0	0.0	0.1	0.7	2.1	4.1	6.5	6.5	5.0	3.5
75°	0.0	0.0	0.0	0.3	0.5	0.1	1.5	3.8	5.9	7.1	5.7
72.5°	0.0	0.0	0.0	0.9	1.9	2.0	1.2	1.3	4.2	6.1	7.1
70°	1.1	0.4	0.0	1.2	2.9	4.4	4.1	3.3	2.7	5.3	6.8
67.5°	3.4	3.6	2.7	2.0	3.3	5.0	6.7	6.4	5.6	4.7	6.6
65°	8.4	7.8	7.1	6.3	5.4	5.3	7.0	8.9	8.4	7.2	6.6
62.5°	12.6	12.5	11.6	10.5	9.4	8.1	7.5	9.9	10.9	9.7	8.1
60°	16.1	16.9	16.1	14.7	13.3	11.8	10.7	11.2	12.5	12.2	10.3
57.5°	22.3	21.7	21.4	19.4	17.1	15.4	14.4	14.0	14.4	14.2	12.5
55°	39.4	27.4	27.6	25.5	21.9	18.9	18.1	17.5	16.7	16.4	14.6
52.5°	99.7	55.3	35.5	32.8	28.5	23.4	21.8	20.9	19.7	18.7	16.6
50°	184.1	119.2	67.5	42.3	36.1	30.7	25.5	24.2	22.8	21.2	18.7
47.5°	294.7	204.9	133.2	66.8	46.6	38.5	31.9	27.6	25.8	23.9	20.7
45°	453.9	301.9	209.3	132.2	62.1	53.1	39.5	30.9	28.8	26.5	22.6
42.5°	631.5	443.0	293.7	199.8	118.6	73.5	47.3	37.5	31.8	29.1	24.8
40°	805.7	612.3	394.5	275.5	178.9	98.5	68.0	44.8	34.8	32.0	27.2
37.5°	998.5	791.3	552.6	356.2	240.4	150.3	93.2	52.1	39.5	35.0	29.8
35°	1236.9	989.9	710.9	474.6	318.4	198.4	121.3	66.4	48.6	38.1	32.4
32.5°	1474.9	1188.2	881.9	612.3	399.9	242.7	157.8	94.7	59.2	41.4	35.1
30°	1714.5	1369.8	1042.9	739.7	493.6	313.9	197.0	122.3	71.3	44.8	37.8
27.5°	1930.2	1541.2	1193.7	872.8	603.6	389.0	238.1	149.0	84.7	50.8	40.6
25°	2173.9	1726.4	1342.1	1000.0	704.2	467.4	280.2	175.1	104.3	61.2	43.4
22.5°	2487.4	1916.7	1479.6	1115.4	803.8	542.3	334.5	209.7	125.9	72.1	46.3
20°	2799.2	2102.6	1614.3	1259.9	912.2	626.6	397.1	244.0	146.4	83.5	49.1
17.5°	3105.2	2340.9	1810.3	1407.6	1028.1	705.5	455.7	277.8	165.7	95.0	51.8
15°	3379.5	2613.8	2003.0	1547.2	1141.6	778.4	509.9	310.5	183.8	106.6	55.5
12.5°	3609.8	2849.2	2184.4	1678.0	1250.9	845.1	559.4	342.0	200.6	119.6	60.4
10°	3800.1	3048.2	2352.5	1798.7	1354.2	905.0	604.0	373.4	220.1	133.2	65.7
7.5°	3952.1	3212.6	2505.5	1908.3	1447.9	961.0	651.9	406.6	239.1	146.3	71.0
5°	4066.5	3340.9	2623.8	1986.9	1522.4	1012.5	696.2	437.0	256.7	158.4	76.3
2.5°	4140.8	3435.3	2711.5	2048.6	1583.1	1055.9	735.0	464.4	272.8	169.6	81.4
0°	4184.6	3502.8	2777.8	2095.9	1629.4	1091.0	768.0	488.1	287.1	179.4	86.1
-2.5°	4223.8	3547.0	2835.7	2178.5	1661.2	1148.6	789.1	509.5	309.8	186.5	94.9
-5°	4236.7	3566.5	2873.5	2242.1	1680.3	1195.3	803.9	527.0	329.7	192.3	102.9
-7.5°	4214.9	3554.8	2886.9	2278.3	1689.3	1228.3	812.6	540.7	345.9	196.8	109.9
-10°	4166.3	3516.3	2869.3	2267.3	1701.5	1238.6	817.6	550.7	357.6	200.1	115.7
-12.5°	4094.3	3458.2	2831.6	2243.3	1699.4	1232.0	831.1	558.5	363.8	202.4	120.1
-15°	4000.0	3382.2	2773.9	2207.7	1679.0	1217.2	834.5	561.4	363.1	206.6	122.7
-17.5°	3889.0	3290.0	2696.6	2162.4	1639.2	1194.9	826.9	557.9	359.4	212.8	125.3
-20°	3777.9	3187.6	2605.0	2108.9	1579.1	1165.9	807.7	547.7	352.8	216.8	127.9



REPORT NUMBER: P627540 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-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°	3647.6	3069.9	2525.8	2034.2	1514.1	1130.9	776.2	530.3	343.4	218.6	129.0
-25°	3497.9	2932.6	2430.5	1931.5	1462.9	1091.4	743.8	505.4	331.2	217.9	128.6
-27.5°	3328.6	2785.9	2318.4	1819.0	1409.7	1036.2	712.9	487.3	320.8	214.9	126.7
-30°	3139.8	2647.8	2184.3	1710.9	1344.7	976.6	672.6	466.9	316.2	210.8	123.1
-32.5°	2936.3	2492.2	2040.1	1628.4	1270.7	914.7	637.0	443.9	308.3	205.7	123.3
-35°	2745.4	2323.0	1893.0	1533.3	1192.4	878.0	613.3	418.3	297.2	198.6	124.0
-37.5°	2541.0	2145.6	1776.6	1434.1	1109.8	835.9	594.0	406.9	282.7	189.4	123.6
-40°	2344.3	1977.3	1641.7	1339.6	1048.7	788.5	563.7	394.1	268.9	178.2	121.9
-42.5°	2145.3	1819.1	1512.7	1236.7	991.0	742.6	524.9	374.6	257.8	171.8	119.1
-45°	1962.0	1655.7	1375.5	1147.0	927.0	683.9	495.0	350.0	244.1	167.2	116.6
-47.5°	1769.4	1489.2	1250.1	1048.8	843.2	620.1	457.0	330.7	227.6	161.2	114.9
-50°	1570.6	1331.7	1132.8	940.8	740.6	566.9	416.4	307.6	221.7	156.4	112.1
-52.5°	1396.7	1193.2	1012.8	829.8	663.2	504.6	385.6	282.9	213.9	152.4	108.1
-55°	1246.8	1061.6	894.7	738.9	589.5	458.8	350.8	271.1	204.2	147.4	103.2
-57.5°	1114.4	939.6	797.7	657.8	528.0	414.7	326.2	257.1	194.0	140.5	98.9
-60°	985.7	842.3	709.6	584.9	470.6	376.6	307.1	241.0	181.9	131.7	94.0
-62.5°	866.8	740.4	625.0	512.3	419.1	345.6	285.1	222.2	167.5	120.7	87.6
-65°	742.0	634.3	536.7	448.3	372.4	309.3	256.7	200.9	148.7	107.5	79.4
-67.5°	612.2	533.2	457.1	383.3	321.3	268.4	224.1	172.6	126.6	92.3	69.7
-70°	509.9	440.3	375.8	317.9	267.4	224.1	183.2	139.5	102.1	79.1	59.4
-72.5°	405.9	349.2	296.3	250.2	214.2	177.5	140.2	106.7	84.6	65.2	48.6
-75°	300.4	262.0	227.6	195.6	163.1	131.0	106.9	84.9	66.7	50.8	40.9
-77.5°	218.0	190.3	164.9	144.7	122.3	101.0	80.7	62.2	50.5	42.1	34.4
-80°	148.1	133.5	119.5	105.3	87.4	70.4	58.2	47.9	40.7	33.9	27.7
-82.5°	93.3	85.5	78.6	71.4	60.9	51.5	43.2	36.1	30.7	25.6	22.5
-85°	55.3	51.2	47.1	43.1	37.3	32.2	29.7	27.5	25.2	22.8	20.4
-87.5°	31.2	30.8	30.3	29.7	28.3	26.9	25.6	24.5	22.5	20.4	18.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	3.6	5.4

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REPORT NUMBER: P627540 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-750-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	14.4	12.6	10.8	9.0	7.2	7.2	7.2
87.5°	5.3	6.0	6.6	7.0	7.2	7.2	7.2
85°	3.5	4.9	6.0	6.7	7.2	7.2	7.2
82.5°	1.7	3.8	5.4	6.5	7.2	7.2	7.2
80°	0.4	2.7	4.8	6.3	7.2	7.2	7.2
77.5°	2.2	2.4	4.2	6.1	7.2	7.2	7.2
75°	4.0	3.5	3.9	5.9	7.2	7.2	7.2
72.5°	5.8	4.7	4.6	5.8	7.2	7.2	7.2
70°	7.2	5.7	5.2	5.8	7.2	7.2	7.2
67.5°	7.4	6.7	5.7	6.0	7.2	7.2	7.2
65°	7.7	7.5	6.3	6.2	7.2	7.2	7.2
62.5°	8.1	8.0	6.8	6.5	7.2	7.2	7.2
60°	8.6	8.6	7.2	6.7	7.2	7.2	7.2
57.5°	10.2	9.3	7.9	6.8	7.3	7.2	7.2
55°	12.1	10.1	8.6	7.0	7.4	7.2	7.2
52.5°	13.8	11.0	9.4	7.1	7.5	7.2	7.2
50°	15.6	12.5	10.2	7.2	7.7	7.2	7.2
47.5°	17.3	13.9	11.0	7.4	7.9	7.2	7.2
45°	19.0	15.3	11.9	8.0	8.1	7.2	7.2
42.5°	20.6	16.7	12.8	8.7	8.3	7.2	7.2
40°	22.2	18.0	13.8	9.6	8.6	7.2	7.2
37.5°	23.8	19.3	14.8	10.5	8.8	7.2	7.2
35°	25.3	20.5	15.8	11.5	9.2	7.2	7.2
32.5°	26.9	21.7	16.7	12.4	9.5	7.2	7.2
30°	29.1	22.9	17.6	13.3	9.8	7.2	7.2
27.5°	31.2	24.0	18.8	14.1	10.2	7.2	7.2
25°	33.3	25.0	19.9	15.0	10.6	7.2	7.2
22.5°	35.4	26.1	21.0	15.8	11.0	7.2	7.2
20°	37.5	27.5	22.0	16.5	11.4	7.2	7.2
17.5°	39.6	28.7	23.0	17.3	11.8	7.2	7.2
15°	41.6	29.9	24.0	18.0	12.2	7.2	7.2
12.5°	43.4	31.1	24.9	18.7	12.6	7.2	7.2
10°	45.1	32.2	25.7	19.3	13.0	7.2	7.2
7.5°	46.6	33.2	26.6	19.9	13.4	7.2	7.2
5°	48.0	34.2	27.3	20.5	13.7	7.2	7.2
2.5°	49.2	35.1	28.0	21.0	14.1	7.2	7.2
0°	50.2	35.9	28.7	21.5	14.4	7.2	7.2
-2.5°	53.0	36.7	29.3	21.5	14.4	7.2	7.2
-5°	55.6	37.4	29.8	21.4	14.3	7.2	7.2
-7.5°	57.8	38.0	30.3	21.3	14.3	7.2	7.2
-10°	59.7	38.5	30.6	21.2	14.2	7.2	7.2
-12.5°	61.1	39.0	30.9	21.0	14.1	7.2	7.2
-15°	62.0	39.4	31.0	20.8	13.9	7.2	7.2
-17.5°	62.3	39.7	30.9	20.5	13.7	7.2	7.2
-20°	63.9	39.9	30.7	20.2	13.5	7.2	7.2

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REPORT NUMBER: P627540 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-750-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	68.0	40.1	30.3	19.9	13.3	7.2	7.2
-25°	71.4	42.7	29.8	19.5	13.0	7.2	7.2
-27.5°	74.0	46.1	29.1	19.1	12.8	7.2	7.2
-30°	75.8	49.0	28.4	18.6	12.5	7.2	7.2
-32.5°	76.7	51.3	29.4	18.1	12.1	7.2	7.2
-35°	78.8	53.2	30.2	17.6	11.8	7.2	7.2
-37.5°	80.9	54.4	30.7	17.1	11.4	7.2	7.2
-40°	82.2	54.8	30.9	16.5	11.0	7.2	7.2
-42.5°	82.6	54.8	31.1	16.2	10.6	7.2	7.2
-45°	82.2	54.4	31.3	16.3	10.2	7.2	7.2
-47.5°	80.9	53.6	31.1	16.2	9.7	7.2	7.2
-50°	79.2	52.4	30.5	16.0	9.2	7.2	7.2
-52.5°	77.0	50.7	29.6	15.6	8.8	7.2	7.2
-55°	74.3	48.6	28.3	15.2	8.3	7.2	7.2
-57.5°	71.0	46.0	26.7	14.7	7.7	7.2	7.2
-60°	67.1	42.9	24.9	14.0	7.2	7.2	7.2
-62.5°	61.7	39.3	23.5	13.2	7.2	7.2	7.2
-65°	55.6	35.2	22.0	12.4	7.2	7.2	7.2
-67.5°	48.9	31.6	20.3	11.4	7.2	7.2	7.2
-70°	41.7	28.7	18.4	10.4	7.2	7.2	7.2
-72.5°	36.8	25.6	16.4	10.1	7.2	7.2	7.2
-75°	32.0	22.3	14.3	10.1	7.2	7.2	7.2
-77.5°	27.0	18.8	13.5	9.9	7.2	7.2	7.2
-80°	21.8	16.9	13.1	9.8	7.2	7.2	7.2
-82.5°	19.7	15.9	12.6	9.6	7.2	7.2	7.2
-85°	18.0	14.9	12.0	9.4	7.2	7.2	7.2
-87.5°	16.2	13.7	11.4	9.2	7.2	7.2	7.2
-90°	7.2	7.2	7.2	7.2	7.2	7.2	7.2

(END OF REPORT)