

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



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P627502 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA4E-727-U-WR-VSR-XX

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-2019
Report Number: P627502 (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: 5/9/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA4E-727-U-WR-VSR-XX
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, WIDE SYMMETRICAL ROUND N6 WITH VISOR
Light Source: (64) 2700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23366.7 lumens
Efficiency: N/A
Efficacy: 91.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')

NEMA Type: 5H x 5V
Max Intensity: 26486.4 candela
Max Intensity Angle: 0°H x 0°V

Beam Angle (50%): 50.9°H x 47.1°V
Beam Lumens: 11250 lumens
Beam Efficiency: 48.1%

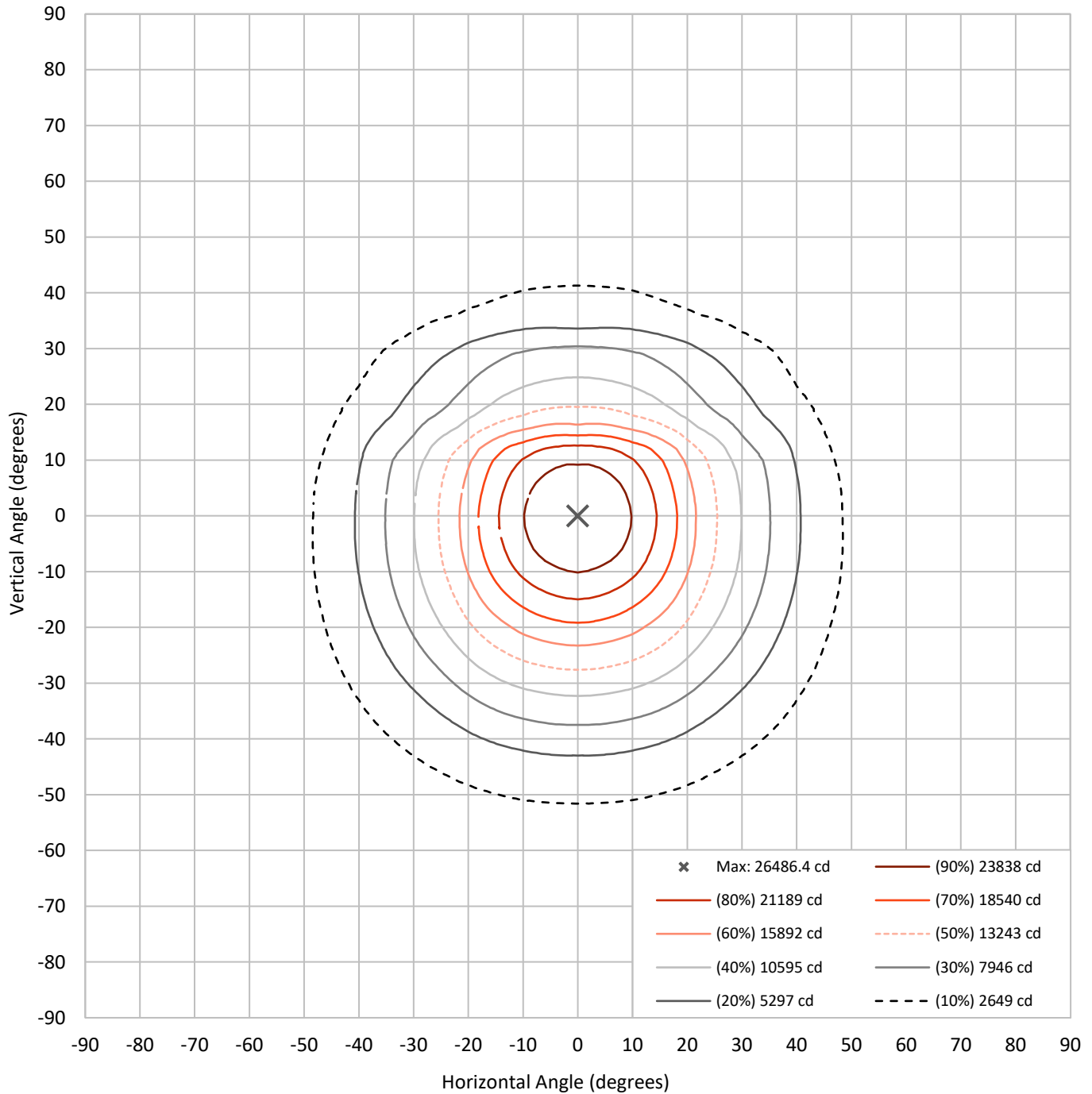
Field Angle (10%): 96.7°H x 92.9°V
Field Lumens: 20921.2 lumens
Field Efficiency: 89.5%

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



REPORT NUMBER: P627502 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4E-727-U-WR-VSR-XX

Iso-Candela Plot





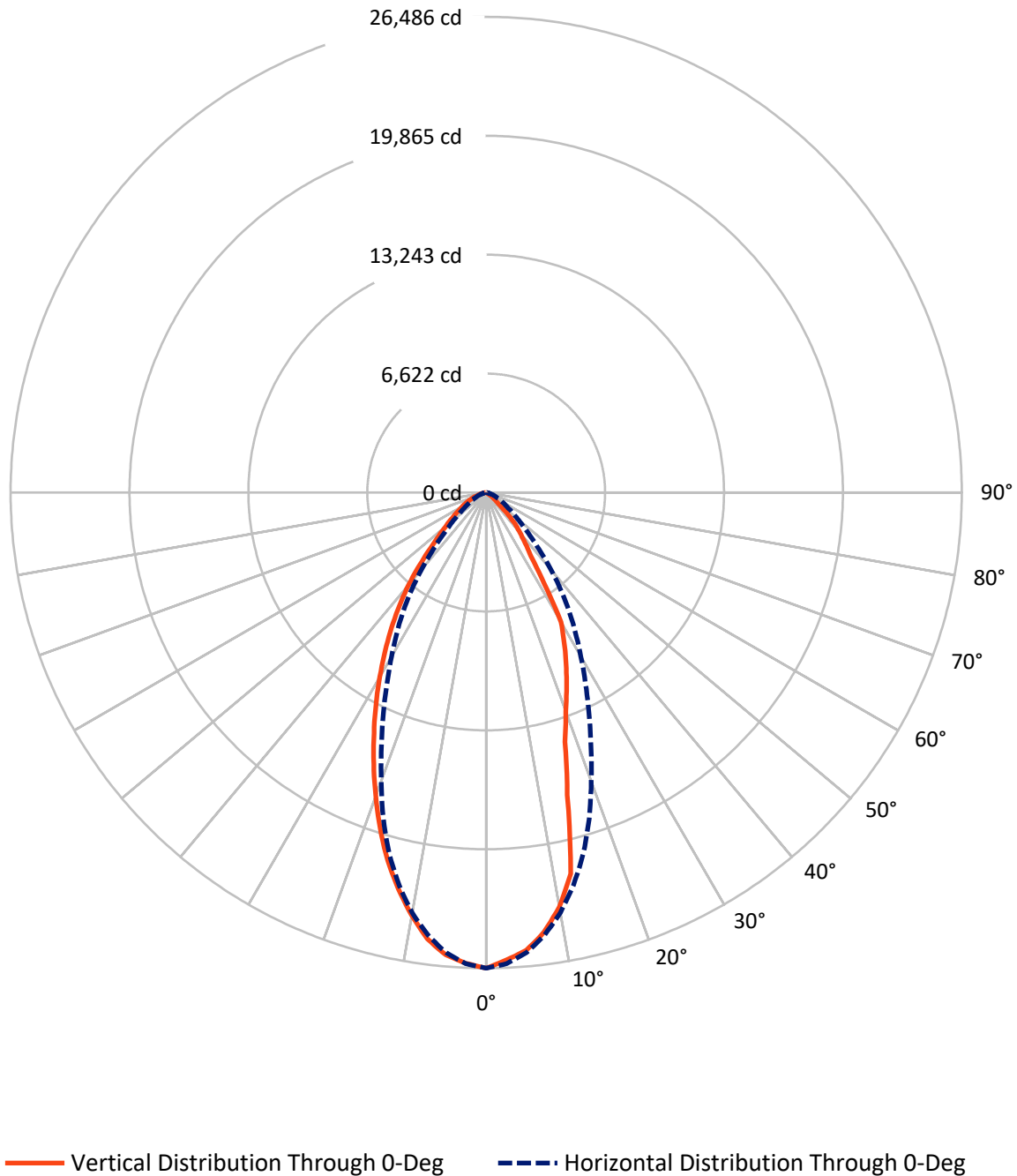
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Lumen Table

90																			
80	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0					
70																			
60	0.1	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.1			
50		0.5	1.2	2.2	3.7	5.4	7.3	8.3	8.3	7.3	5.4	3.7	2.2	1.2	0.5				
40	1.0	1.8	4.5	9.5	17.4	28.5	41.2	50.5	50.5	41.2	28.5	17.4	9.5	4.5	1.8	1.0			
30		3.5	9.1	21.1	43.6	80.2	122.6	147.4	147.4	122.6	80.2	43.6	21.1	9.1	3.5				
20	2.5	5.6	14.8	38.4	90.8	170.4	259.4	312.6	312.6	259.4	170.4	90.8	38.4	14.8	5.6	2.5			
10		7.6	21.1	60.1	149.3	276.1	431.5	533.4	533.4	431.5	276.1	149.3	60.1	21.1	7.6				
0	3.6	8.8	26.5	77.8	196.1	365.4	586.8	744.0	744.0	586.8	365.4	196.1	77.8	26.5	8.8	3.6			
-10		9.2	27.6	80.3	198.9	370.8	592.7	748.6	748.6	592.7	370.8	198.9	80.3	27.6	9.2				
-20	3.9	9.1	26.1	71.5	176.2	325.5	501.8	619.2	619.2	501.8	325.5	176.2	71.5	26.1	9.1	3.9			
-30		8.3	22.6	56.0	131.5	245.4	365.8	438.6	438.6	365.8	245.4	131.5	56.0	22.6	8.3				
-40	3.3	7.3	18.3	40.5	82.8	152.2	229.7	273.5	273.5	229.7	152.2	82.8	40.5	18.3	7.3	3.3			
-50		6.1	14.1	28.0	49.7	79.7	114.3	136.1	136.1	114.3	79.7	49.7	28.0	14.1	6.1				
-60	2.1	4.7	10.3	18.6	30.4	43.7	56.5	63.9	63.9	56.5	43.7	30.4	18.6	10.3	4.7	2.1			
-70		3.3	6.9	11.5	17.6	24.0	29.4	32.1	32.1	29.4	24.0	17.6	11.5	6.9	3.3				
-80	0.6	6.6	17.1	30.7	28.0	30.7	17.1	6.6	0.6										
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

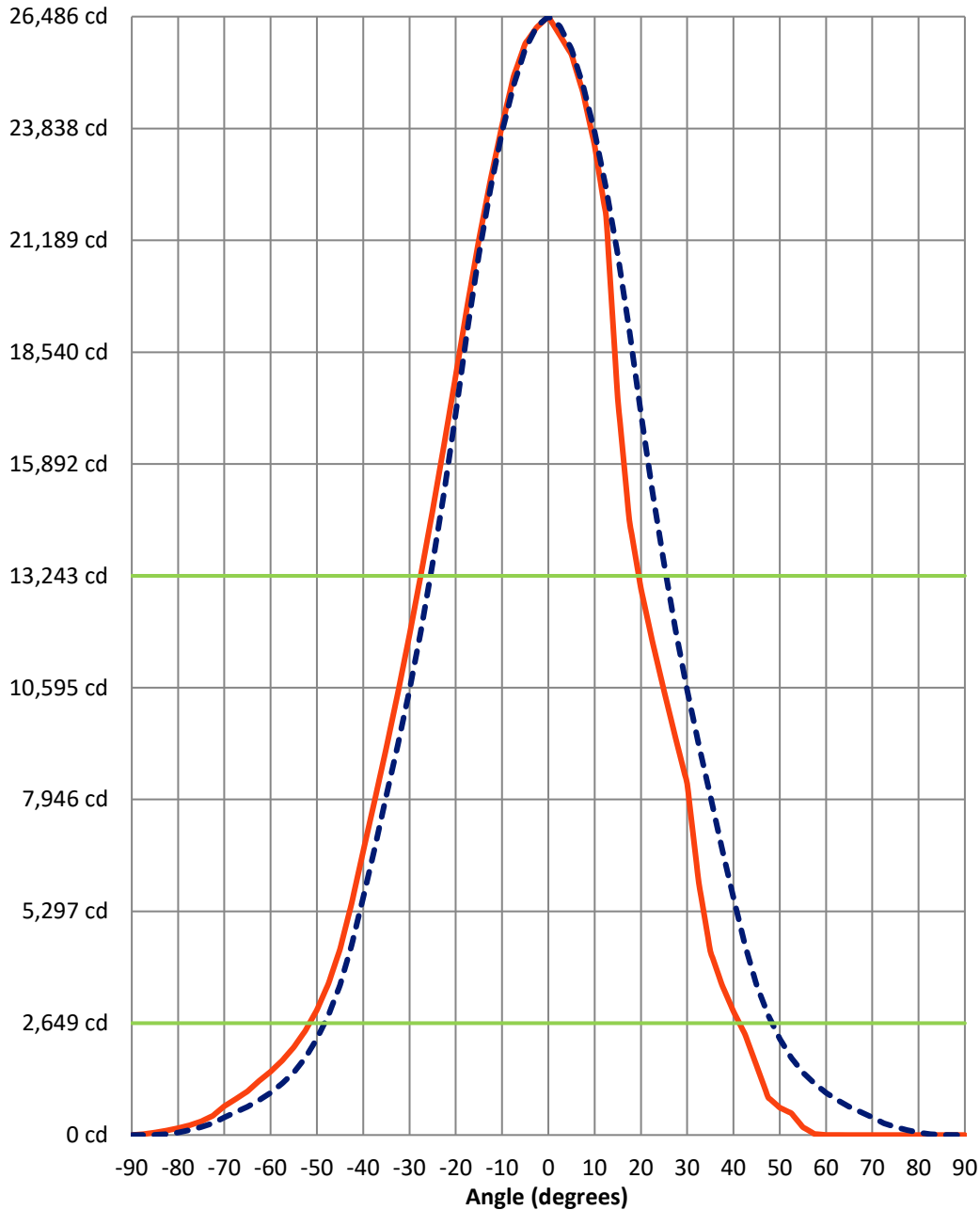
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
H Angle: 50.9°
V Angle: 47.1°
Lumens: 11250
Efficiency: 48.1%

Field:
H Angle: 96.7°
V Angle: 92.9°
Lumens: 20921.2
Efficiency: 89.5%

Spill:
Lumens: 2445.5
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	0.2	0.3	0.4	0.5	0.6	0.6	0.7	0.8
85°	0.0	0.2	0.3	0.5	0.7	0.8	1.0	1.1	1.3	1.5	1.6
82.5°	0.0	0.2	0.5	0.7	1.0	1.2	1.5	1.7	1.9	1.9	1.9
80°	0.0	0.3	0.7	1.0	1.3	1.6	1.9	1.9	1.9	1.9	1.9
77.5°	0.0	0.4	0.8	1.2	1.6	1.9	1.9	1.9	1.9	1.9	1.9
75°	0.0	0.5	1.0	1.5	1.9	1.9	1.9	1.9	1.9	1.9	1.9
72.5°	0.0	0.6	1.1	1.7	1.9	1.9	1.9	1.9	1.9	1.9	1.9
70°	0.0	0.6	1.3	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.1
67.5°	0.0	0.7	1.5	1.9	1.9	1.9	2.1	1.9	1.9	2.5	2.4
65°	0.0	0.8	1.6	1.9	1.9	2.1	2.3	1.9	2.7	3.1	3.7
62.5°	0.0	0.9	1.8	1.9	1.9	2.6	2.6	2.6	3.6	5.1	7.9
60°	0.0	0.9	1.9	1.9	1.9	3.0	3.0	3.6	4.6	12.5	13.6
57.5°	0.0	1.0	1.9	1.9	2.4	3.6	5.1	4.9	12.3	21.1	23.2
55°	0.0	1.1	2.0	1.9	3.0	4.2	7.8	7.2	22.6	31.8	36.0
52.5°	0.0	1.2	2.0	1.9	3.6	5.3	10.9	17.8	33.8	47.3	51.0
50°	0.0	1.2	2.0	1.9	4.2	8.5	14.5	29.4	47.2	64.3	77.8
47.5°	0.0	1.3	2.1	2.0	4.9	12.0	19.3	41.2	64.8	83.1	105.5
45°	0.0	1.3	2.1	2.6	5.6	15.7	29.5	53.0	82.5	107.7	132.9
42.5°	0.0	1.4	2.2	3.1	6.3	19.7	39.7	67.0	100.2	131.9	163.3
40°	0.0	1.5	2.3	3.8	8.3	23.8	49.8	82.3	118.5	155.6	195.0
37.5°	0.0	1.5	2.3	4.6	11.5	28.1	59.9	97.4	138.3	179.9	227.5
35°	0.0	1.6	2.4	5.5	14.8	35.0	69.9	112.3	158.3	209.0	262.7
32.5°	0.0	1.6	2.5	6.4	18.1	42.9	80.5	126.9	178.3	238.8	302.5
30°	0.0	1.6	2.6	7.4	21.4	50.5	92.3	141.8	198.2	269.3	342.5
27.5°	0.0	1.7	2.7	8.5	25.2	58.0	103.8	158.0	220.1	300.3	382.6
25°	0.0	1.7	2.8	9.6	29.0	65.2	114.8	173.9	245.3	333.3	422.8
22.5°	0.0	1.8	2.9	10.8	32.7	72.2	125.4	189.4	270.3	366.6	463.5
20°	0.0	1.8	3.0	12.0	36.3	79.0	135.5	204.4	294.9	399.3	502.3
17.5°	0.0	1.8	3.1	13.2	39.8	85.4	144.9	218.7	318.9	431.0	539.1
15°	0.0	1.8	3.2	14.4	43.1	91.4	153.5	231.5	342.0	461.5	573.7
12.5°	0.0	1.9	3.3	15.5	46.2	97.0	161.3	242.2	361.2	490.7	606.2
10°	0.0	1.9	3.4	16.7	49.1	102.1	168.5	251.7	376.5	508.0	631.7
7.5°	0.0	1.9	3.5	17.8	51.9	106.6	174.8	260.1	389.9	521.1	645.0
5°	0.0	1.9	3.6	18.9	54.4	110.7	180.4	267.3	401.4	531.5	655.8
2.5°	0.0	1.9	3.7	19.9	56.6	114.3	185.2	273.3	410.8	539.4	664.0
0°	0.0	1.9	3.8	20.8	58.6	117.3	189.2	278.1	418.1	544.9	669.7
-2.5°	0.0	2.0	4.4	22.1	61.3	121.0	194.3	286.1	426.3	552.8	678.6
-5°	0.0	2.1	4.9	23.3	63.7	124.1	198.6	292.8	432.3	558.4	684.9
-7.5°	0.0	2.3	5.5	24.4	65.7	126.6	202.0	298.1	436.1	561.9	688.6
-10°	0.0	2.4	6.0	25.4	67.3	128.5	204.4	301.8	437.7	563.3	689.7
-12.5°	0.0	2.5	6.5	26.2	68.6	129.7	205.8	304.0	437.2	562.4	686.5
-15°	0.0	2.5	7.0	26.9	69.4	130.3	206.2	304.4	434.0	557.6	679.9
-17.5°	0.0	2.6	7.4	27.4	69.8	130.2	205.6	303.8	428.4	550.9	670.7
-20°	0.0	2.7	7.8	27.7	69.7	129.5	205.0	302.4	421.4	542.6	658.9

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Scaled Data Report



REPORT NUMBER: P627502 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4E-727-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	2.8	8.1	27.9	69.1	128.1	205.1	299.7	413.1	532.7	644.6
-25°	0.0	2.8	8.4	27.9	68.1	127.6	204.2	295.7	403.6	521.3	627.8
-27.5°	0.0	2.9	8.7	27.7	66.5	127.1	202.3	290.4	393.1	508.2	612.3
-30°	0.0	2.9	8.9	27.3	64.6	125.7	199.3	284.0	383.8	493.5	595.6
-32.5°	0.0	2.9	9.0	26.7	63.8	123.5	195.3	278.6	374.7	478.1	577.8
-35°	0.0	2.9	9.1	25.9	62.4	120.6	191.5	272.8	364.3	462.2	558.8
-37.5°	0.0	2.9	9.2	24.9	60.6	117.4	187.1	265.8	352.7	445.8	536.5
-40°	0.0	2.9	9.1	23.8	58.2	114.5	181.7	257.6	340.0	430.5	512.7
-42.5°	0.0	2.8	9.1	22.7	56.4	110.9	175.3	248.2	328.1	410.7	487.4
-45°	0.0	2.8	8.9	21.8	55.3	106.6	167.8	238.4	316.0	389.5	461.0
-47.5°	0.0	2.7	8.7	20.6	53.6	101.5	159.4	228.3	302.4	367.5	436.6
-50°	0.0	2.6	8.4	20.2	51.4	95.8	151.9	217.1	284.6	347.5	411.4
-52.5°	0.0	2.5	8.1	20.0	48.6	89.3	143.9	204.6	266.9	326.6	385.9
-55°	0.0	2.4	7.7	19.4	45.2	84.1	135.0	191.3	248.7	304.8	361.8
-57.5°	0.0	2.3	7.3	18.7	41.3	78.4	125.3	179.4	229.5	282.9	336.9
-60°	0.0	2.2	6.8	17.7	37.0	71.9	114.9	165.1	209.8	260.1	311.2
-62.5°	0.0	2.0	6.4	16.4	34.5	64.7	104.9	149.2	190.4	236.5	284.6
-65°	0.0	1.9	6.0	15.0	31.5	56.8	93.8	132.6	169.7	211.5	257.1
-67.5°	0.0	1.7	5.5	13.3	28.2	49.7	81.8	115.9	147.8	185.2	226.6
-70°	0.0	1.6	5.0	11.5	24.5	43.6	69.0	98.6	127.1	157.5	193.8
-72.5°	0.0	1.4	4.4	10.1	20.6	37.0	58.6	80.7	105.8	132.5	160.7
-75°	0.0	1.2	3.8	8.8	16.4	30.0	48.1	65.8	84.0	106.9	131.1
-77.5°	0.0	1.0	3.2	7.5	13.5	22.6	37.1	51.7	66.7	82.5	100.9
-80°	0.0	0.8	2.6	6.1	11.0	17.3	25.6	37.3	49.6	62.5	76.0
-82.5°	0.0	0.6	2.0	4.6	8.3	13.1	18.9	24.9	32.2	42.2	52.5
-85°	0.0	0.4	1.3	3.1	5.6	8.8	12.7	16.7	21.3	26.3	31.8
-87.5°	0.0	0.2	0.7	1.5	2.8	4.4	6.4	8.4	10.7	13.2	16.0
-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: P627502 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	0.9	0.9	1.0	1.1	1.2	1.2	1.3	1.3	1.4	1.5	1.5
85°	1.8	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
82.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
80°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
77.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
75°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
72.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
70°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.6
67.5°	1.9	1.9	1.9	2.0	1.9	1.9	1.9	1.9	1.9	1.5	1.0
65°	1.9	1.9	2.6	2.8	2.0	1.9	1.9	1.9	2.0	1.7	1.8
62.5°	2.8	3.4	4.3	6.6	4.9	1.9	3.7	4.3	2.9	2.4	2.6
60°	8.3	5.7	14.6	20.2	13.2	7.0	8.6	17.2	14.2	3.9	10.0
57.5°	16.7	20.6	36.6	38.5	29.5	19.9	43.8	48.6	40.3	25.3	36.4
55°	34.8	48.9	61.9	61.1	61.5	77.3	90.9	89.2	78.7	108.5	136.6
52.5°	65.9	80.5	89.1	97.1	119.1	133.9	138.1	146.4	177.3	214.2	220.8
50°	96.7	111.8	123.1	151.8	174.5	186.1	196.9	225.1	271.7	297.0	301.1
47.5°	127.9	144.8	174.4	205.9	227.8	245.4	264.1	328.2	380.2	401.8	409.6
45°	160.4	189.6	226.6	259.0	284.4	308.1	369.0	456.5	493.2	526.2	610.3
42.5°	194.2	238.1	279.8	313.7	342.4	392.0	476.7	561.6	614.0	684.3	785.9
40°	237.3	286.5	334.9	369.4	405.1	480.3	585.1	675.0	730.4	824.8	940.5
37.5°	281.0	338.5	390.9	427.2	477.3	579.1	702.4	809.9	878.7	955.5	1141.5
35°	324.3	391.7	445.3	494.1	556.0	696.3	848.2	967.9	1052.9	1184.4	1419.8
32.5°	370.4	445.8	500.6	567.0	668.8	825.7	1012.2	1145.1	1286.0	1475.3	1852.4
30°	419.5	496.4	559.5	639.2	775.7	958.8	1175.2	1342.2	1533.7	1841.0	2247.5
27.5°	468.4	546.8	624.5	725.9	875.9	1073.7	1299.7	1563.1	1810.4	2154.1	2598.5
25°	515.5	598.3	688.3	810.9	973.1	1180.1	1426.8	1730.6	2053.4	2446.6	2968.3
22.5°	560.4	650.5	755.9	887.6	1055.1	1281.1	1575.3	1932.2	2320.1	2727.3	3326.9
20°	604.5	708.8	829.8	977.2	1130.5	1374.2	1720.6	2152.7	2638.9	3196.7	3784.3
17.5°	648.0	766.4	906.0	1069.9	1255.6	1505.1	1869.5	2384.0	2975.7	3701.7	4425.2
15°	690.6	822.8	979.8	1161.5	1381.9	1680.0	2094.0	2659.4	3374.3	4243.7	5100.7
12.5°	731.9	877.6	1050.6	1251.0	1504.3	1844.7	2305.5	2915.5	3734.7	4773.3	5826.1
10°	771.6	930.2	1117.8	1337.3	1621.6	1998.0	2492.4	3137.0	4006.5	5076.9	6247.8
7.5°	791.7	965.7	1175.2	1419.4	1732.2	2138.7	2655.1	3324.3	4218.9	5321.1	6495.1
5°	806.2	982.0	1196.8	1452.2	1793.0	2234.3	2779.6	3477.3	4375.5	5504.8	6662.6
2.5°	817.2	993.7	1212.5	1470.7	1817.1	2266.2	2820.8	3530.8	4459.4	5600.7	6760.2
0°	824.9	1000.8	1222.2	1481.3	1829.5	2281.6	2839.7	3553.0	4495.1	5622.7	6795.6
-2.5°	833.0	1010.6	1232.4	1497.8	1846.9	2302.6	2860.6	3568.7	4521.8	5628.8	6814.8
-5°	837.6	1015.8	1236.3	1505.8	1852.4	2306.5	2859.1	3553.7	4500.5	5584.6	6773.2
-7.5°	838.9	1016.4	1234.1	1504.2	1845.3	2288.7	2828.9	3509.4	4427.2	5495.2	6670.9
-10°	836.8	1011.9	1226.0	1490.6	1824.5	2251.5	2774.9	3432.5	4306.6	5347.6	6498.1
-12.5°	830.7	1002.5	1211.4	1468.3	1791.1	2198.7	2698.7	3323.0	4139.1	5142.4	6254.4
-15°	820.9	988.4	1190.3	1437.4	1744.9	2130.7	2600.9	3180.8	3923.5	4881.6	5951.0
-17.5°	807.4	969.7	1162.7	1398.1	1685.9	2048.1	2482.6	3014.2	3690.9	4590.5	5613.8
-20°	790.2	946.4	1128.6	1350.4	1617.9	1961.1	2372.8	2866.8	3473.3	4257.2	5215.9

Classified

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

Scaled Data Report



REPORT NUMBER: P627502 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4E-727-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°	769.2	918.6	1092.5	1304.6	1557.6	1870.8	2250.1	2699.7	3229.2	3871.9	4781.4
-25°	747.7	892.1	1057.4	1253.7	1488.7	1768.4	2109.6	2519.2	2998.8	3587.1	4339.0
-27.5°	726.5	861.5	1016.8	1195.0	1411.6	1662.8	1977.6	2351.0	2778.4	3278.6	3891.0
-30°	702.5	827.3	972.1	1133.5	1337.6	1570.9	1842.9	2162.9	2542.9	2994.9	3527.2
-32.5°	676.4	790.7	928.7	1080.2	1258.3	1470.7	1706.0	1995.4	2326.0	2698.9	3159.0
-35°	650.3	759.4	884.3	1022.9	1173.2	1372.1	1588.3	1828.4	2109.6	2439.8	2807.8
-37.5°	625.3	725.3	836.7	965.9	1107.0	1272.0	1463.1	1679.8	1921.9	2184.6	2502.5
-40°	597.4	688.4	793.9	910.9	1035.6	1178.7	1351.0	1534.9	1743.3	1974.5	2220.0
-42.5°	567.1	654.5	750.7	851.6	966.1	1093.9	1236.7	1405.0	1578.2	1771.9	1986.1
-45°	537.4	617.7	705.7	797.8	894.1	1007.0	1136.8	1276.8	1430.3	1588.4	1768.4
-47.5°	506.2	579.5	661.4	741.6	827.0	923.3	1033.4	1160.4	1288.5	1429.2	1568.8
-50°	474.9	543.7	612.5	687.4	763.8	844.0	937.0	1046.6	1163.1	1279.9	1402.8
-52.5°	446.8	506.4	568.5	632.8	702.4	773.8	851.3	941.6	1043.5	1146.4	1252.3
-55°	418.2	473.0	524.5	582.0	642.2	706.4	775.6	851.6	928.4	1022.2	1113.3
-57.5°	390.2	438.8	483.6	532.6	586.2	640.8	703.0	767.7	837.5	908.2	982.8
-60°	362.1	403.4	444.0	486.4	531.4	579.9	630.1	686.8	746.7	808.2	872.8
-62.5°	333.1	366.6	402.4	441.2	480.7	518.1	560.2	606.6	656.0	708.8	763.5
-65°	300.6	328.4	358.3	392.1	429.2	459.3	491.5	526.4	567.3	610.8	653.7
-67.5°	266.0	290.6	314.9	340.0	370.1	397.1	423.6	451.3	481.8	517.4	551.9
-70°	227.4	251.9	273.4	294.2	313.3	332.6	355.0	376.9	401.5	433.4	464.8
-72.5°	188.1	211.1	231.4	249.1	262.6	274.1	287.9	303.8	327.4	357.0	384.6
-75°	152.2	170.7	189.7	206.7	215.3	218.8	221.7	230.1	253.9	284.3	311.2
-77.5°	118.5	134.7	150.2	164.9	171.0	173.4	174.6	174.6	192.2	218.0	245.2
-80°	87.3	98.5	111.7	124.3	128.0	129.2	129.3	128.5	142.9	161.5	181.4
-82.5°	60.6	68.7	77.1	85.7	86.9	86.3	85.0	83.8	95.4	108.9	122.6
-85°	35.3	38.7	43.8	49.1	49.7	49.5	48.6	47.0	53.5	60.8	68.6
-87.5°	17.7	19.4	21.1	22.8	22.2	21.3	20.2	18.8	20.6	22.5	24.4
-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: P627502 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-727-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°	1.6	1.2	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	1.9	1.4	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	1.9	1.5	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	1.9	1.5	1.0	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	1.9	1.5	1.1	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0
75°	1.9	1.6	1.1	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1.9	1.7	1.1	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0
70°	1.1	0.5	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.9	1.0	1.0	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0
65°	2.0	1.9	1.4	0.9	0.4	0.4	0.5	0.4	0.2	0.0	0.0
62.5°	2.5	2.4	1.7	1.6	1.8	1.9	1.5	1.3	1.3	1.4	1.6
60°	10.7	6.1	6.2	7.9	6.8	3.1	6.2	7.8	7.3	5.6	4.9
57.5°	54.3	45.5	31.8	53.2	54.8	38.2	41.5	54.1	52.4	40.5	40.4
55°	136.8	138.8	149.0	162.5	172.5	177.1	181.1	201.5	223.2	244.5	255.1
52.5°	226.0	252.4	285.3	307.1	322.3	353.4	397.0	417.1	436.5	458.7	474.6
50°	332.8	378.8	411.8	416.6	468.4	502.1	510.0	547.6	588.5	614.0	632.3
47.5°	495.2	553.3	582.1	600.4	663.5	732.7	732.8	754.3	856.8	910.4	936.3
45°	713.2	761.7	812.6	944.7	1066.2	1104.8	1187.3	1299.1	1371.8	1471.8	1581.7
42.5°	898.9	989.9	1117.3	1262.8	1384.6	1486.1	1608.7	1743.1	1904.5	2056.3	2187.3
40°	1082.7	1195.3	1353.1	1511.4	1664.8	1805.3	2003.0	2175.8	2366.2	2575.0	2749.0
37.5°	1322.4	1466.6	1629.7	1829.3	2068.1	2224.0	2495.9	2744.2	2958.8	3210.9	3366.2
35°	1690.7	1878.6	2023.0	2426.5	2716.9	2899.4	3221.2	3629.4	3786.1	4103.6	4254.3
32.5°	2153.7	2403.4	2783.5	3317.8	3705.7	4041.5	4522.6	4936.7	5289.6	5608.6	5940.4
30°	2673.9	3059.3	3619.5	4329.5	4723.5	5193.9	5844.4	6335.4	6889.0	7496.6	7709.5
27.5°	3146.1	3723.2	4373.6	4948.8	5514.6	6100.5	6739.7	7370.5	7969.6	8475.2	8814.5
25°	3583.6	4282.6	4914.7	5529.3	6142.4	6802.3	7525.2	8240.6	8899.9	9420.2	9815.7
22.5°	4035.0	4773.4	5449.6	6073.3	6786.4	7534.2	8303.0	9123.5	9873.9	10413.6	10844.5
20°	4459.3	5280.6	6051.9	6762.0	7436.1	8299.3	9184.7	10055.0	10872.1	11515.0	12011.9
17.5°	5132.9	5845.8	6788.5	7711.0	8470.4	9263.4	10446.4	11344.7	12251.5	13021.5	13548.2
15°	5960.1	6744.0	7717.5	8984.3	10024.9	10933.5	12155.6	13617.0	14686.5	15669.4	16343.7
12.5°	6787.9	7674.6	8727.6	10153.2	11634.8	12704.9	14187.6	16039.5	17285.2	18807.0	19557.2
10°	7422.5	8535.9	9620.2	10921.3	12344.1	13868.0	15466.4	17198.9	18863.3	20170.1	21338.3
7.5°	7677.9	8863.9	10119.2	11446.6	12869.4	14442.2	16145.7	17948.4	19661.4	21121.0	22404.8
5°	7868.9	9084.1	10347.6	11705.0	13225.9	14868.3	16597.2	18489.9	20239.3	21803.6	23117.0
2.5°	7990.2	9216.9	10475.0	11854.9	13454.6	15145.7	16930.2	18873.0	20648.7	22259.1	23568.3
0°	8036.7	9245.6	10534.0	11954.8	13538.3	15233.5	17095.1	19060.7	20850.5	22407.5	23754.5
-2.5°	8043.1	9218.9	10537.8	11951.7	13466.9	15177.9	17062.0	19011.3	20764.6	22315.4	23674.4
-5°	7979.9	9155.3	10475.4	11867.9	13385.2	15083.2	16886.5	18770.2	20442.4	21951.6	23260.1
-7.5°	7851.9	9024.0	10315.0	11675.6	13151.9	14799.1	16531.0	18282.3	19922.7	21370.2	22619.0
-10°	7662.0	8809.5	10055.8	11381.4	12778.4	14345.1	15996.5	17669.7	19208.1	20546.7	21701.5
-12.5°	7404.9	8525.8	9716.0	10981.6	12281.9	13775.6	15334.9	16906.2	18308.4	19530.4	20566.5
-15°	7070.9	8165.6	9318.1	10515.0	11776.0	13126.7	14526.1	15967.3	17260.6	18344.3	19290.8
-17.5°	6677.5	7739.2	8833.7	9943.2	11139.7	12407.0	13706.0	14999.8	16102.7	17065.5	17931.0
-20°	6238.8	7261.9	8301.5	9335.7	10421.2	11593.4	12793.2	13929.6	14893.4	15768.2	16560.2



REPORT NUMBER: P627502 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-727-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°	5747.1	6726.3	7722.7	8690.7	9669.5	10730.8	11802.3	12830.0	13731.6	14479.9	15168.1
-25°	5220.6	6125.3	7066.3	7973.9	8874.8	9825.9	10799.1	11744.6	12538.1	13187.9	13756.6
-27.5°	4690.1	5516.9	6345.9	7200.3	8033.1	8910.7	9791.8	10608.5	11320.9	11919.2	12397.0
-30°	4132.5	4871.7	5628.7	6401.8	7197.0	8000.1	8796.2	9511.3	10133.2	10659.4	11072.4
-32.5°	3669.1	4230.6	4899.0	5600.8	6346.3	7078.0	7770.5	8422.3	9008.3	9467.7	9818.0
-35°	3225.0	3700.5	4201.1	4822.2	5462.7	6136.1	6773.1	7354.8	7877.2	8278.6	8608.1
-37.5°	2843.2	3219.2	3642.5	4086.0	4623.0	5179.7	5754.6	6301.7	6767.4	7117.6	7411.9
-40°	2512.7	2809.6	3147.8	3499.4	3894.5	4294.4	4795.0	5256.7	5636.9	5964.2	6230.8
-42.5°	2213.9	2464.5	2714.3	3002.6	3300.7	3622.2	3973.5	4315.0	4606.8	4880.7	5107.2
-45°	1956.0	2156.1	2355.3	2578.0	2796.9	3058.3	3309.3	3533.3	3769.6	3974.7	4136.2
-47.5°	1730.5	1886.6	2057.2	2223.9	2399.6	2596.5	2783.3	2953.7	3126.9	3276.9	3397.3
-50°	1530.1	1659.4	1798.8	1929.7	2071.9	2215.9	2354.1	2489.6	2621.1	2735.2	2824.0
-52.5°	1354.7	1467.6	1576.2	1680.5	1793.5	1900.1	2000.2	2112.0	2214.9	2304.8	2365.6
-55°	1205.2	1297.6	1386.5	1473.6	1559.1	1639.9	1719.6	1806.5	1885.9	1957.3	2002.6
-57.5°	1065.0	1143.6	1218.9	1290.0	1357.8	1422.0	1489.2	1556.0	1617.2	1671.1	1706.1
-60°	937.3	1001.6	1066.7	1124.8	1179.5	1230.8	1287.3	1340.7	1390.1	1431.6	1455.8
-62.5°	820.4	878.0	926.1	972.0	1018.5	1064.8	1104.9	1144.4	1182.5	1214.6	1235.7
-65°	698.2	746.9	787.9	824.8	858.1	893.9	928.2	959.2	986.7	1007.6	1020.9
-67.5°	588.8	624.7	657.5	686.8	716.6	745.3	771.6	795.1	815.8	830.4	840.0
-70°	493.8	521.2	548.1	574.7	601.2	623.6	642.7	660.3	676.2	682.8	685.7
-72.5°	410.4	434.7	458.3	481.8	503.8	521.3	535.4	548.2	559.8	549.9	532.4
-75°	334.7	356.1	378.1	398.9	418.3	431.7	442.1	451.7	460.4	438.8	409.0
-77.5°	272.7	291.5	307.8	324.0	340.1	348.6	355.2	361.7	367.9	343.7	313.2
-80°	202.3	217.5	231.3	245.0	258.3	263.4	266.3	268.3	269.5	248.8	224.9
-82.5°	136.7	144.6	152.2	160.1	168.3	172.5	175.7	178.2	179.9	165.3	148.7
-85°	76.6	79.0	80.9	82.4	83.8	86.4	89.0	91.3	93.5	86.5	78.8
-87.5°	26.4	26.4	26.2	26.0	25.7	25.8	25.8	25.7	25.6	24.5	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: P627502 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-727-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	0.4
62.5°	1.7	1.8	1.9	1.9	1.9	1.8	1.7	1.6	1.4	1.3	1.3
60°	3.7	2.3	1.9	1.9	1.9	2.3	3.7	4.9	5.6	7.3	7.8
57.5°	37.6	32.8	29.5	26.5	29.5	32.8	37.6	40.4	40.5	52.4	54.1
55°	250.6	233.3	212.2	187.3	212.2	233.3	250.6	255.1	244.5	223.2	201.5
52.5°	491.5	507.8	517.3	516.5	517.3	507.8	491.5	474.6	458.7	436.5	417.1
50°	647.0	655.9	656.3	648.9	656.3	655.9	647.0	632.3	614.0	588.5	547.6
47.5°	947.9	935.5	914.1	891.1	914.1	935.5	947.9	936.3	910.4	856.8	754.3
45°	1654.0	1693.8	1691.2	1640.3	1691.2	1693.8	1654.0	1581.7	1471.8	1371.8	1299.1
42.5°	2260.4	2320.1	2362.3	2383.8	2362.3	2320.1	2260.4	2187.3	2056.3	1904.5	1743.1
40°	2847.1	2904.7	2930.0	2928.6	2930.0	2904.7	2847.1	2749.0	2575.0	2366.2	2175.8
37.5°	3467.0	3541.6	3577.7	3560.5	3577.7	3541.6	3467.0	3366.2	3210.9	2958.8	2744.2
35°	4319.5	4389.3	4390.6	4355.1	4390.6	4389.3	4319.5	4254.3	4103.6	3786.1	3629.4
32.5°	6203.8	6227.1	6047.7	5984.0	6047.7	6227.1	6203.8	5940.4	5608.6	5289.6	4936.7
30°	7921.3	8086.9	8240.9	8318.6	8240.9	8086.9	7921.3	7709.5	7496.6	6889.0	6335.4
27.5°	9070.3	9269.5	9392.9	9400.8	9392.9	9269.5	9070.3	8814.5	8475.2	7969.6	7370.5
25°	10115.4	10338.2	10472.8	10518.9	10472.8	10338.2	10115.4	9815.7	9420.2	8899.9	8240.6
22.5°	11210.3	11472.8	11646.8	11682.4	11646.8	11472.8	11210.3	10844.5	10413.6	9873.9	9123.5
20°	12480.6	12786.2	12953.0	12946.2	12953.0	12786.2	12480.6	12011.9	11515.0	10872.1	10055.0
17.5°	14153.1	14480.8	14624.8	14561.8	14624.8	14480.8	14153.1	13548.2	13021.5	12251.5	11344.7
15°	17035.9	17721.5	17718.7	17445.1	17718.7	17721.5	17035.9	16343.7	15669.4	14686.5	13617.0
12.5°	20591.8	21102.8	21626.9	21739.6	21626.9	21102.8	20591.8	19557.2	18807.0	17285.2	16039.5
10°	22322.1	23000.7	23448.4	23436.7	23448.4	23000.7	22322.1	21338.3	20170.1	18863.3	17198.9
7.5°	23404.7	24154.3	24697.0	24685.3	24697.0	24154.3	23404.7	22404.8	21121.0	19661.4	17948.4
5°	24240.1	25071.5	25552.2	25587.7	25552.2	25071.5	24240.1	23117.0	21803.6	20239.3	18489.9
2.5°	24674.1	25541.9	26119.8	26043.7	26119.8	25541.9	24674.1	23568.3	22259.1	20648.7	18873.0
0°	24855.6	25714.5	26253.7	26486.4	26253.7	25714.5	24855.6	23754.5	22407.5	20850.5	19060.7
-2.5°	24776.3	25612.1	26208.0	26231.0	26208.0	25612.1	24776.3	23674.4	22315.4	20764.6	19011.3
-5°	24351.8	25233.8	25632.9	25845.0	25632.9	25233.8	24351.8	23260.1	21951.6	20442.4	18770.2
-7.5°	23667.2	24328.1	24835.2	25069.4	24835.2	24328.1	23667.2	22619.0	21370.2	19922.7	18282.3
-10°	22601.7	23285.9	23714.5	23907.7	23714.5	23285.9	22601.7	21701.5	20546.7	19208.1	17669.7
-12.5°	21421.4	22043.2	22450.6	22613.7	22450.6	22043.2	21421.4	20566.5	19530.4	18308.4	16906.2
-15°	20104.4	20669.0	21044.0	21200.5	21044.0	20669.0	20104.4	19290.8	18344.3	17260.6	15967.3
-17.5°	18654.8	19149.6	19523.2	19635.9	19523.2	19149.6	18654.8	17931.0	17065.5	16102.7	14999.8
-20°	17164.1	17611.4	17919.1	17986.1	17919.1	17611.4	17164.1	16560.2	15768.2	14893.4	13929.6



REPORT NUMBER: P627502 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-727-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°	15662.2	16030.6	16280.6	16364.8	16280.6	16030.6	15662.2	15168.1	14479.9	13731.6	12830.0
-25°	14194.3	14512.3	14713.5	14788.9	14713.5	14512.3	14194.3	13756.6	13187.9	12538.1	11744.6
-27.5°	12782.6	13079.0	13263.8	13288.6	13263.8	13079.0	12782.6	12397.0	11919.2	11320.9	10608.5
-30°	11393.5	11638.4	11780.9	11841.3	11780.9	11638.4	11393.5	11072.4	10659.4	10133.2	9511.3
-32.5°	10095.4	10309.3	10437.3	10471.6	10437.3	10309.3	10095.4	9818.0	9467.7	9008.3	8422.3
-35°	8870.0	9067.5	9181.0	9171.9	9181.0	9067.5	8870.0	8608.1	8278.6	7877.2	7354.8
-37.5°	7655.2	7837.4	7940.4	7930.8	7940.4	7837.4	7655.2	7411.9	7117.6	6767.4	6301.7
-40°	6450.1	6607.3	6698.0	6720.0	6698.0	6607.3	6450.1	6230.8	5964.2	5636.9	5256.7
-42.5°	5295.4	5440.6	5513.1	5484.6	5513.1	5440.6	5295.4	5107.2	4880.7	4606.8	4315.0
-45°	4249.1	4324.2	4373.6	4404.3	4373.6	4324.2	4249.1	4136.2	3974.7	3769.6	3533.3
-47.5°	3485.4	3547.6	3581.2	3587.0	3581.2	3547.6	3485.4	3397.3	3276.9	3126.9	2953.7
-50°	2893.1	2946.0	2969.4	2962.7	2969.4	2946.0	2893.1	2824.0	2735.2	2621.1	2489.6
-52.5°	2409.3	2440.0	2460.7	2470.8	2460.7	2440.0	2409.3	2365.6	2304.8	2214.9	2112.0
-55°	2036.6	2060.5	2074.5	2079.2	2074.5	2060.5	2036.6	2002.6	1957.3	1885.9	1806.5
-57.5°	1735.2	1758.0	1766.2	1763.2	1766.2	1758.0	1735.2	1706.1	1671.1	1617.2	1556.0
-60°	1474.5	1487.4	1497.2	1502.2	1497.2	1487.4	1474.5	1455.8	1431.6	1390.1	1340.7
-62.5°	1252.5	1264.7	1274.9	1280.8	1274.9	1264.7	1252.5	1235.7	1214.6	1182.5	1144.4
-65°	1030.3	1035.6	1037.2	1034.9	1037.2	1035.6	1030.3	1020.9	1007.6	986.7	959.2
-67.5°	847.1	851.6	854.6	855.1	854.6	851.6	847.1	840.0	830.4	815.8	795.1
-70°	688.6	690.5	688.3	683.0	688.3	690.5	688.6	685.7	682.8	676.2	660.3
-72.5°	514.5	495.6	476.8	455.9	476.8	495.6	514.5	532.4	549.9	559.8	548.2
-75°	378.2	346.3	334.7	323.5	334.7	346.3	378.2	409.0	438.8	460.4	451.7
-77.5°	281.3	248.0	239.2	230.8	239.2	248.0	281.3	313.2	343.7	367.9	361.7
-80°	199.9	174.0	168.3	162.7	168.3	174.0	199.9	224.9	248.8	269.5	268.3
-82.5°	131.3	113.2	109.6	105.9	109.6	113.2	131.3	148.7	165.3	179.9	178.2
-85°	70.7	62.2	60.4	58.6	60.4	62.2	70.7	78.8	86.5	93.5	91.3
-87.5°	22.0	20.7	20.8	20.8	20.8	20.7	22.0	23.3	24.5	25.6	25.7
-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):

	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	0.4	0.8	1.2	1.6	1.5	1.5	1.4	1.3
85°	0.0	0.0	0.0	0.5	1.0	1.4	1.9	1.9	1.9	1.9	1.9
82.5°	0.0	0.0	0.0	0.5	1.0	1.5	1.9	1.9	1.9	1.9	1.9
80°	0.0	0.0	0.1	0.5	1.0	1.5	1.9	1.9	1.9	1.9	1.9
77.5°	0.0	0.0	0.1	0.6	1.1	1.5	1.9	1.9	1.9	1.9	1.9
75°	0.0	0.0	0.1	0.6	1.1	1.6	1.9	1.9	1.9	1.9	1.9
72.5°	0.0	0.0	0.1	0.6	1.1	1.7	1.9	1.9	1.9	1.9	1.9
70°	0.0	0.0	0.1	0.0	0.1	0.5	1.1	1.6	1.9	1.9	1.9
67.5°	0.0	0.0	0.3	0.8	1.0	1.0	0.9	1.0	1.5	1.9	1.9
65°	0.5	0.4	0.4	0.9	1.4	1.9	2.0	1.8	1.7	2.0	1.9
62.5°	1.5	1.9	1.8	1.6	1.7	2.4	2.5	2.6	2.4	2.9	4.3
60°	6.2	3.1	6.8	7.9	6.2	6.1	10.7	10.0	3.9	14.2	17.2
57.5°	41.5	38.2	54.8	53.2	31.8	45.5	54.3	36.4	25.3	40.3	48.6
55°	181.1	177.1	172.5	162.5	149.0	138.8	136.8	136.6	108.5	78.7	89.2
52.5°	397.0	353.4	322.3	307.1	285.3	252.4	226.0	220.8	214.2	177.3	146.4
50°	510.0	502.1	468.4	416.6	411.8	378.8	332.8	301.1	297.0	271.7	225.1
47.5°	732.8	732.7	663.5	600.4	582.1	553.3	495.2	409.6	401.8	380.2	328.2
45°	1187.3	1104.8	1066.2	944.7	812.6	761.7	713.2	610.3	526.2	493.2	456.5
42.5°	1608.7	1486.1	1384.6	1262.8	1117.3	989.9	898.9	785.9	684.3	614.0	561.6
40°	2003.0	1805.3	1664.8	1511.4	1353.1	1195.3	1082.7	940.5	824.8	730.4	675.0
37.5°	2495.9	2224.0	2068.1	1829.3	1629.7	1466.6	1322.4	1141.5	955.5	878.7	809.9
35°	3221.2	2899.4	2716.9	2426.5	2023.0	1878.6	1690.7	1419.8	1184.4	1052.9	967.9
32.5°	4522.6	4041.5	3705.7	3317.8	2783.5	2403.4	2153.7	1852.4	1475.3	1286.0	1145.1
30°	5844.4	5193.9	4723.5	4329.5	3619.5	3059.3	2673.9	2247.5	1841.0	1533.7	1342.2
27.5°	6739.7	6100.5	5514.6	4948.8	4373.6	3723.2	3146.1	2598.5	2154.1	1810.4	1563.1
25°	7525.2	6802.3	6142.4	5529.3	4914.7	4282.6	3583.6	2968.3	2446.6	2053.4	1730.6
22.5°	8303.0	7534.2	6786.4	6073.3	5449.6	4773.4	4035.0	3326.9	2727.3	2320.1	1932.2
20°	9184.7	8299.3	7436.1	6762.0	6051.9	5280.6	4459.3	3784.3	3196.7	2638.9	2152.7
17.5°	10446.4	9263.4	8470.4	7711.0	6788.5	5845.8	5132.9	4425.2	3701.7	2975.7	2384.0
15°	12155.6	10933.5	10024.9	8984.3	7717.5	6744.0	5960.1	5100.7	4243.7	3374.3	2659.4
12.5°	14187.6	12704.9	11634.8	10153.2	8727.6	7674.6	6787.9	5826.1	4773.3	3734.7	2915.5
10°	15466.4	13868.0	12344.1	10921.3	9620.2	8535.9	7422.5	6247.8	5076.9	4006.5	3137.0
7.5°	16145.7	14442.2	12869.4	11446.6	10119.2	8863.9	7677.9	6495.1	5321.1	4218.9	3324.3
5°	16597.2	14868.3	13225.9	11705.0	10347.6	9084.1	7868.9	6662.6	5504.8	4375.5	3477.3
2.5°	16930.2	15145.7	13454.6	11854.9	10475.0	9216.9	7990.2	6760.2	5600.7	4459.4	3530.8
0°	17095.1	15233.5	13538.3	11954.8	10534.0	9245.6	8036.7	6795.6	5622.7	4495.1	3553.0
-2.5°	17062.0	15177.9	13466.9	11951.7	10537.8	9218.9	8043.1	6814.8	5628.8	4521.8	3568.7
-5°	16886.5	15083.2	13385.2	11867.9	10475.4	9155.3	7979.9	6773.2	5584.6	4500.5	3553.7
-7.5°	16531.0	14799.1	13151.9	11675.6	10315.0	9024.0	7851.9	6670.9	5495.2	4427.2	3509.4
-10°	15996.5	14345.1	12778.4	11381.4	10055.8	8809.5	7662.0	6498.1	5347.6	4306.6	3432.5
-12.5°	15334.9	13775.6	12281.9	10981.6	9716.0	8525.8	7404.9	6254.4	5142.4	4139.1	3323.0
-15°	14526.1	13126.7	11776.0	10515.0	9318.1	8165.6	7070.9	5951.0	4881.6	3923.5	3180.8
-17.5°	13706.0	12407.0	11139.7	9943.2	8833.7	7739.2	6677.5	5613.8	4590.5	3690.9	3014.2
-20°	12793.2	11593.4	10421.2	9335.7	8301.5	7261.9	6238.8	5215.9	4257.2	3473.3	2866.8



REPORT NUMBER: P627502 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-727-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°	11802.3	10730.8	9669.5	8690.7	7722.7	6726.3	5747.1	4781.4	3871.9	3229.2	2699.7
-25°	10799.1	9825.9	8874.8	7973.9	7066.3	6125.3	5220.6	4339.0	3587.1	2998.8	2519.2
-27.5°	9791.8	8910.7	8033.1	7200.3	6345.9	5516.9	4690.1	3891.0	3278.6	2778.4	2351.0
-30°	8796.2	8000.1	7197.0	6401.8	5628.7	4871.7	4132.5	3527.2	2994.9	2542.9	2162.9
-32.5°	7770.5	7078.0	6346.3	5600.8	4899.0	4230.6	3669.1	3159.0	2698.9	2326.0	1995.4
-35°	6773.1	6136.1	5462.7	4822.2	4201.1	3700.5	3225.0	2807.8	2439.8	2109.6	1828.4
-37.5°	5754.6	5179.7	4623.0	4086.0	3642.5	3219.2	2843.2	2502.5	2184.6	1921.9	1679.8
-40°	4795.0	4294.4	3894.5	3499.4	3147.8	2809.6	2512.7	2220.0	1974.5	1743.3	1534.9
-42.5°	3973.5	3622.2	3300.7	3002.6	2714.3	2464.5	2213.9	1986.1	1771.9	1578.2	1405.0
-45°	3309.3	3058.3	2796.9	2578.0	2355.3	2156.1	1956.0	1768.4	1588.4	1430.3	1276.8
-47.5°	2783.3	2596.5	2399.6	2223.9	2057.2	1886.6	1730.5	1568.8	1429.2	1288.5	1160.4
-50°	2354.1	2215.9	2071.9	1929.7	1798.8	1659.4	1530.1	1402.8	1279.9	1163.1	1046.6
-52.5°	2000.2	1900.1	1793.5	1680.5	1576.2	1467.6	1354.7	1252.3	1146.4	1043.5	941.6
-55°	1719.6	1639.9	1559.1	1473.6	1386.5	1297.6	1205.2	1113.3	1022.2	928.4	851.6
-57.5°	1489.2	1422.0	1357.8	1290.0	1218.9	1143.6	1065.0	982.8	908.2	837.5	767.7
-60°	1287.3	1230.8	1179.5	1124.8	1066.7	1001.6	937.3	872.8	808.2	746.7	686.8
-62.5°	1104.9	1064.8	1018.5	972.0	926.1	878.0	820.4	763.5	708.8	656.0	606.6
-65°	928.2	893.9	858.1	824.8	787.9	746.9	698.2	653.7	610.8	567.3	526.4
-67.5°	771.6	745.3	716.6	686.8	657.5	624.7	588.8	551.9	517.4	481.8	451.3
-70°	642.7	623.6	601.2	574.7	548.1	521.2	493.8	464.8	433.4	401.5	376.9
-72.5°	535.4	521.3	503.8	481.8	458.3	434.7	410.4	384.6	357.0	327.4	303.8
-75°	442.1	431.7	418.3	398.9	378.1	356.1	334.7	311.2	284.3	253.9	230.1
-77.5°	355.2	348.6	340.1	324.0	307.8	291.5	272.7	245.2	218.0	192.2	174.6
-80°	266.3	263.4	258.3	245.0	231.3	217.5	202.3	181.4	161.5	142.9	128.5
-82.5°	175.7	172.5	168.3	160.1	152.2	144.6	136.7	122.6	108.9	95.4	83.8
-85°	89.0	86.4	83.8	82.4	80.9	79.0	76.6	68.6	60.8	53.5	47.0
-87.5°	25.8	25.8	25.7	26.0	26.2	26.4	26.4	24.4	22.5	20.6	18.8
-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: P627502 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-727-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°	1.3	1.2	1.2	1.1	1.0	0.9	0.9	0.8	0.7	0.6	0.6
85°	1.9	1.9	1.9	1.9	1.9	1.9	1.8	1.6	1.5	1.3	1.1
82.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.7
80°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
77.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
75°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
72.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
70°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.1	1.9	1.9	1.9
67.5°	1.9	1.9	1.9	2.0	1.9	1.9	1.9	2.4	2.5	1.9	1.9
65°	1.9	1.9	2.0	2.8	2.6	1.9	1.9	3.7	3.1	2.7	1.9
62.5°	3.7	1.9	4.9	6.6	4.3	3.4	2.8	7.9	5.1	3.6	2.6
60°	8.6	7.0	13.2	20.2	14.6	5.7	8.3	13.6	12.5	4.6	3.6
57.5°	43.8	19.9	29.5	38.5	36.6	20.6	16.7	23.2	21.1	12.3	4.9
55°	90.9	77.3	61.5	61.1	61.9	48.9	34.8	36.0	31.8	22.6	7.2
52.5°	138.1	133.9	119.1	97.1	89.1	80.5	65.9	51.0	47.3	33.8	17.8
50°	196.9	186.1	174.5	151.8	123.1	111.8	96.7	77.8	64.3	47.2	29.4
47.5°	264.1	245.4	227.8	205.9	174.4	144.8	127.9	105.5	83.1	64.8	41.2
45°	369.0	308.1	284.4	259.0	226.6	189.6	160.4	132.9	107.7	82.5	53.0
42.5°	476.7	392.0	342.4	313.7	279.8	238.1	194.2	163.3	131.9	100.2	67.0
40°	585.1	480.3	405.1	369.4	334.9	286.5	237.3	195.0	155.6	118.5	82.3
37.5°	702.4	579.1	477.3	427.2	390.9	338.5	281.0	227.5	179.9	138.3	97.4
35°	848.2	696.3	556.0	494.1	445.3	391.7	324.3	262.7	209.0	158.3	112.3
32.5°	1012.2	825.7	668.8	567.0	500.6	445.8	370.4	302.5	238.8	178.3	126.9
30°	1175.2	958.8	775.7	639.2	559.5	496.4	419.5	342.5	269.3	198.2	141.8
27.5°	1299.7	1073.7	875.9	725.9	624.5	546.8	468.4	382.6	300.3	220.1	158.0
25°	1426.8	1180.1	973.1	810.9	688.3	598.3	515.5	422.8	333.3	245.3	173.9
22.5°	1575.3	1281.1	1055.1	887.6	755.9	650.5	560.4	463.5	366.6	270.3	189.4
20°	1720.6	1374.2	1130.5	977.2	829.8	708.8	604.5	502.3	399.3	294.9	204.4
17.5°	1869.5	1505.1	1255.6	1069.9	906.0	766.4	648.0	539.1	431.0	318.9	218.7
15°	2094.0	1680.0	1381.9	1161.5	979.8	822.8	690.6	573.7	461.5	342.0	231.5
12.5°	2305.5	1844.7	1504.3	1251.0	1050.6	877.6	731.9	606.2	490.7	361.2	242.2
10°	2492.4	1998.0	1621.6	1337.3	1117.8	930.2	771.6	631.7	508.0	376.5	251.7
7.5°	2655.1	2138.7	1732.2	1419.4	1175.2	965.7	791.7	645.0	521.1	389.9	260.1
5°	2779.6	2234.3	1793.0	1452.2	1196.8	982.0	806.2	655.8	531.5	401.4	267.3
2.5°	2820.8	2266.2	1817.1	1470.7	1212.5	993.7	817.2	664.0	539.4	410.8	273.3
0°	2839.7	2281.6	1829.5	1481.3	1222.2	1000.8	824.9	669.7	544.9	418.1	278.1
-2.5°	2860.6	2302.6	1846.9	1497.8	1232.4	1010.6	833.0	678.6	552.8	426.3	286.1
-5°	2859.1	2306.5	1852.4	1505.8	1236.3	1015.8	837.6	684.9	558.4	432.3	292.8
-7.5°	2828.9	2288.7	1845.3	1504.2	1234.1	1016.4	838.9	688.6	561.9	436.1	298.1
-10°	2774.9	2251.5	1824.5	1490.6	1226.0	1011.9	836.8	689.7	563.3	437.7	301.8
-12.5°	2698.7	2198.7	1791.1	1468.3	1211.4	1002.5	830.7	686.5	562.4	437.2	304.0
-15°	2600.9	2130.7	1744.9	1437.4	1190.3	988.4	820.9	679.9	557.6	434.0	304.4
-17.5°	2482.6	2048.1	1685.9	1398.1	1162.7	969.7	807.4	670.7	550.9	428.4	303.8
-20°	2372.8	1961.1	1617.9	1350.4	1128.6	946.4	790.2	658.9	542.6	421.4	302.4

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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	2250.1	1870.8	1557.6	1304.6	1092.5	918.6	769.2	644.6	532.7	413.1	299.7
-25°	2109.6	1768.4	1488.7	1253.7	1057.4	892.1	747.7	627.8	521.3	403.6	295.7
-27.5°	1977.6	1662.8	1411.6	1195.0	1016.8	861.5	726.5	612.3	508.2	393.1	290.4
-30°	1842.9	1570.9	1337.6	1133.5	972.1	827.3	702.5	595.6	493.5	383.8	284.0
-32.5°	1706.0	1470.7	1258.3	1080.2	928.7	790.7	676.4	577.8	478.1	374.7	278.6
-35°	1588.3	1372.1	1173.2	1022.9	884.3	759.4	650.3	558.8	462.2	364.3	272.8
-37.5°	1463.1	1272.0	1107.0	965.9	836.7	725.3	625.3	536.5	445.8	352.7	265.8
-40°	1351.0	1178.7	1035.6	910.9	793.9	688.4	597.4	512.7	430.5	340.0	257.6
-42.5°	1236.7	1093.9	966.1	851.6	750.7	654.5	567.1	487.4	410.7	328.1	248.2
-45°	1136.8	1007.0	894.1	797.8	705.7	617.7	537.4	461.0	389.5	316.0	238.4
-47.5°	1033.4	923.3	827.0	741.6	661.4	579.5	506.2	436.6	367.5	302.4	228.3
-50°	937.0	844.0	763.8	687.4	612.5	543.7	474.9	411.4	347.5	284.6	217.1
-52.5°	851.3	773.8	702.4	632.8	568.5	506.4	446.8	385.9	326.6	266.9	204.6
-55°	775.6	706.4	642.2	582.0	524.5	473.0	418.2	361.8	304.8	248.7	191.3
-57.5°	703.0	640.8	586.2	532.6	483.6	438.8	390.2	336.9	282.9	229.5	179.4
-60°	630.1	579.9	531.4	486.4	444.0	403.4	362.1	311.2	260.1	209.8	165.1
-62.5°	560.2	518.1	480.7	441.2	402.4	366.6	333.1	284.6	236.5	190.4	149.2
-65°	491.5	459.3	429.2	392.1	358.3	328.4	300.6	257.1	211.5	169.7	132.6
-67.5°	423.6	397.1	370.1	340.0	314.9	290.6	266.0	226.6	185.2	147.8	115.9
-70°	355.0	332.6	313.3	294.2	273.4	251.9	227.4	193.8	157.5	127.1	98.6
-72.5°	287.9	274.1	262.6	249.1	231.4	211.1	188.1	160.7	132.5	105.8	80.7
-75°	221.7	218.8	215.3	206.7	189.7	170.7	152.2	131.1	106.9	84.0	65.8
-77.5°	174.6	173.4	171.0	164.9	150.2	134.7	118.5	100.9	82.5	66.7	51.7
-80°	129.3	129.2	128.0	124.3	111.7	98.5	87.3	76.0	62.5	49.6	37.3
-82.5°	85.0	86.3	86.9	85.7	77.1	68.7	60.6	52.5	42.2	32.2	24.9
-85°	48.6	49.5	49.7	49.1	43.8	38.7	35.3	31.8	26.3	21.3	16.7
-87.5°	20.2	21.3	22.2	22.8	21.1	19.4	17.7	16.0	13.2	10.7	8.4
-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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REPORT NUMBER: P627502 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4E-727-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°	0.5	0.4	0.3	0.2	0.2	0.1	0.0
85°	1.0	0.8	0.7	0.5	0.3	0.2	0.0
82.5°	1.5	1.2	1.0	0.7	0.5	0.2	0.0
80°	1.9	1.6	1.3	1.0	0.7	0.3	0.0
77.5°	1.9	1.9	1.6	1.2	0.8	0.4	0.0
75°	1.9	1.9	1.9	1.5	1.0	0.5	0.0
72.5°	1.9	1.9	1.9	1.7	1.1	0.6	0.0
70°	1.9	1.9	1.9	1.9	1.3	0.6	0.0
67.5°	2.1	1.9	1.9	1.9	1.5	0.7	0.0
65°	2.3	2.1	1.9	1.9	1.6	0.8	0.0
62.5°	2.6	2.6	1.9	1.9	1.8	0.9	0.0
60°	3.0	3.0	1.9	1.9	1.9	0.9	0.0
57.5°	5.1	3.6	2.4	1.9	1.9	1.0	0.0
55°	7.8	4.2	3.0	1.9	2.0	1.1	0.0
52.5°	10.9	5.3	3.6	1.9	2.0	1.2	0.0
50°	14.5	8.5	4.2	1.9	2.0	1.2	0.0
47.5°	19.3	12.0	4.9	2.0	2.1	1.3	0.0
45°	29.5	15.7	5.6	2.6	2.1	1.3	0.0
42.5°	39.7	19.7	6.3	3.1	2.2	1.4	0.0
40°	49.8	23.8	8.3	3.8	2.3	1.5	0.0
37.5°	59.9	28.1	11.5	4.6	2.3	1.5	0.0
35°	69.9	35.0	14.8	5.5	2.4	1.6	0.0
32.5°	80.5	42.9	18.1	6.4	2.5	1.6	0.0
30°	92.3	50.5	21.4	7.4	2.6	1.6	0.0
27.5°	103.8	58.0	25.2	8.5	2.7	1.7	0.0
25°	114.8	65.2	29.0	9.6	2.8	1.7	0.0
22.5°	125.4	72.2	32.7	10.8	2.9	1.8	0.0
20°	135.5	79.0	36.3	12.0	3.0	1.8	0.0
17.5°	144.9	85.4	39.8	13.2	3.1	1.8	0.0
15°	153.5	91.4	43.1	14.4	3.2	1.8	0.0
12.5°	161.3	97.0	46.2	15.5	3.3	1.9	0.0
10°	168.5	102.1	49.1	16.7	3.4	1.9	0.0
7.5°	174.8	106.6	51.9	17.8	3.5	1.9	0.0
5°	180.4	110.7	54.4	18.9	3.6	1.9	0.0
2.5°	185.2	114.3	56.6	19.9	3.7	1.9	0.0
0°	189.2	117.3	58.6	20.8	3.8	1.9	0.0
-2.5°	194.3	121.0	61.3	22.1	4.4	2.0	0.0
-5°	198.6	124.1	63.7	23.3	4.9	2.1	0.0
-7.5°	202.0	126.6	65.7	24.4	5.5	2.3	0.0
-10°	204.4	128.5	67.3	25.4	6.0	2.4	0.0
-12.5°	205.8	129.7	68.6	26.2	6.5	2.5	0.0
-15°	206.2	130.3	69.4	26.9	7.0	2.5	0.0
-17.5°	205.6	130.2	69.8	27.4	7.4	2.6	0.0
-20°	205.0	129.5	69.7	27.7	7.8	2.7	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	205.1	128.1	69.1	27.9	8.1	2.8	0.0
-25°	204.2	127.6	68.1	27.9	8.4	2.8	0.0
-27.5°	202.3	127.1	66.5	27.7	8.7	2.9	0.0
-30°	199.3	125.7	64.6	27.3	8.9	2.9	0.0
-32.5°	195.3	123.5	63.8	26.7	9.0	2.9	0.0
-35°	191.5	120.6	62.4	25.9	9.1	2.9	0.0
-37.5°	187.1	117.4	60.6	24.9	9.2	2.9	0.0
-40°	181.7	114.5	58.2	23.8	9.1	2.9	0.0
-42.5°	175.3	110.9	56.4	22.7	9.1	2.8	0.0
-45°	167.8	106.6	55.3	21.8	8.9	2.8	0.0
-47.5°	159.4	101.5	53.6	20.6	8.7	2.7	0.0
-50°	151.9	95.8	51.4	20.2	8.4	2.6	0.0
-52.5°	143.9	89.3	48.6	20.0	8.1	2.5	0.0
-55°	135.0	84.1	45.2	19.4	7.7	2.4	0.0
-57.5°	125.3	78.4	41.3	18.7	7.3	2.3	0.0
-60°	114.9	71.9	37.0	17.7	6.8	2.2	0.0
-62.5°	104.9	64.7	34.5	16.4	6.4	2.0	0.0
-65°	93.8	56.8	31.5	15.0	6.0	1.9	0.0
-67.5°	81.8	49.7	28.2	13.3	5.5	1.7	0.0
-70°	69.0	43.6	24.5	11.5	5.0	1.6	0.0
-72.5°	58.6	37.0	20.6	10.1	4.4	1.4	0.0
-75°	48.1	30.0	16.4	8.8	3.8	1.2	0.0
-77.5°	37.1	22.6	13.5	7.5	3.2	1.0	0.0
-80°	25.6	17.3	11.0	6.1	2.6	0.8	0.0
-82.5°	18.9	13.1	8.3	4.6	2.0	0.6	0.0
-85°	12.7	8.8	5.6	3.1	1.3	0.4	0.0
-87.5°	6.4	4.4	2.8	1.5	0.7	0.2	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)