

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: P627492 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA4E-722-U-WR-VSR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P627492 (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-SA4E-722-U-WR-VSR-XX
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, WIDE SYMMETRICAL ROUND N6 WITH VISOR
Light Source: (64) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

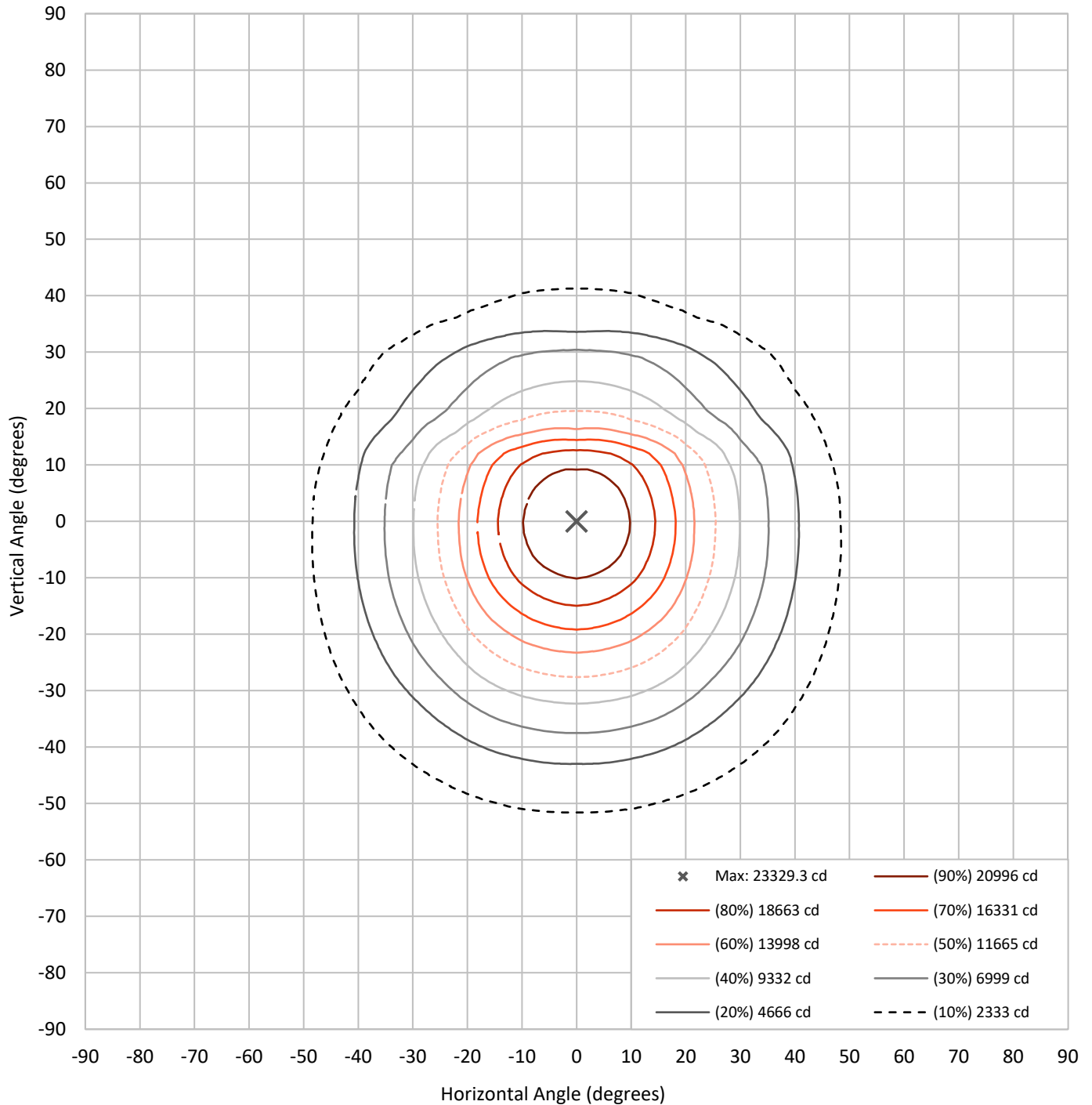
Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	20581.5 lumens	Max Intensity:	23329.3 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	80.4 lumens/watt		
Luminous Opening:	Rectangular (W 1' 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:	9909 lumens	Field Lumens:	18427.4 lumens
Beam Efficiency:	48.1%	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		



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Iso-Candela Plot





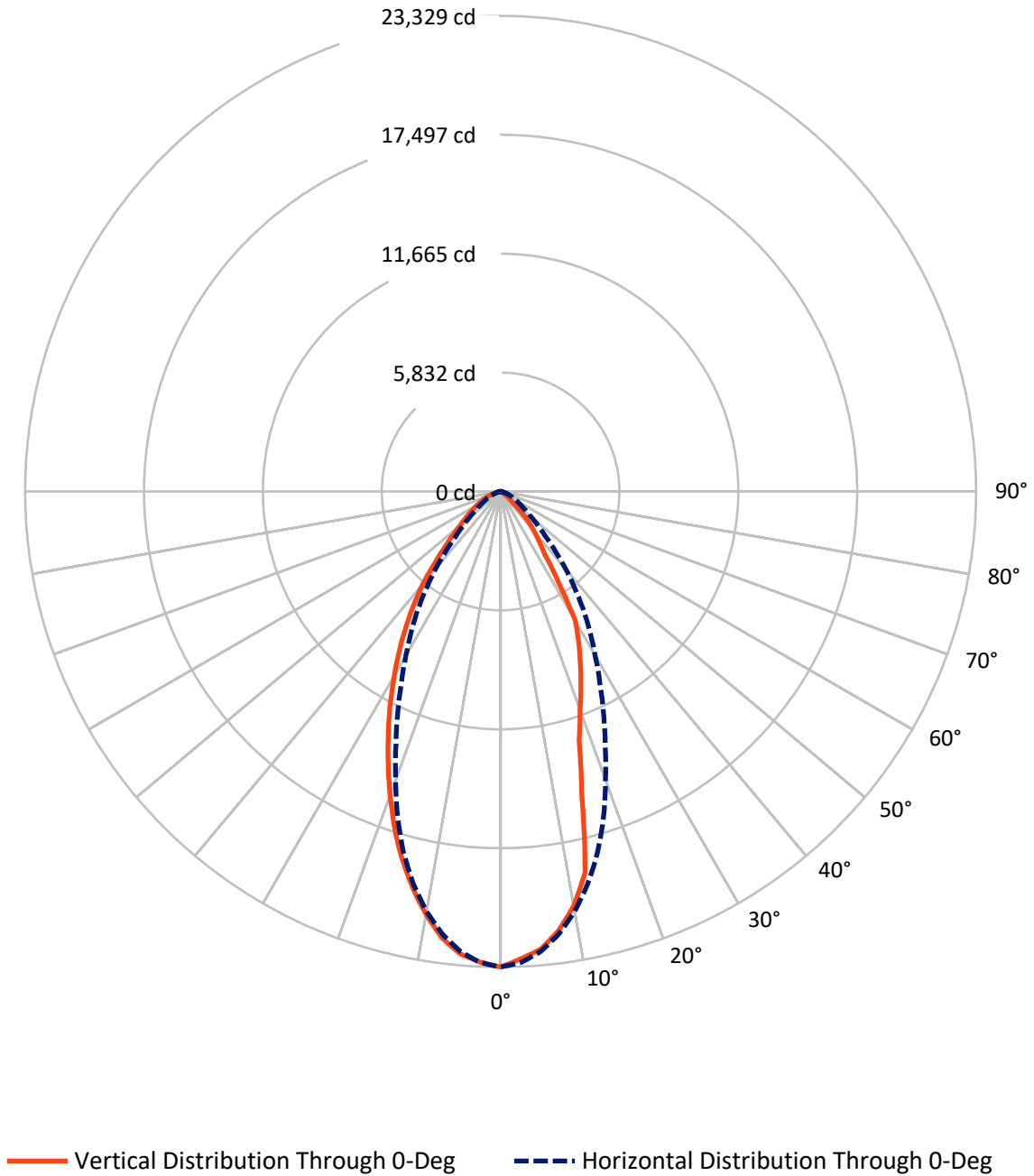
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Lumen Table

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	0.1	0.1	0.1	0.0	0.1				
50		0.4	1.1	1.9	3.2	4.7	6.5	7.3	7.3	6.5	4.7	3.2	1.9	1.1		0.4			
40	0.9	1.6	4.0	8.4	15.3	25.1	36.3	44.5	44.5	36.3	25.1	15.3	8.4	4.0	1.6	0.9			
30		3.1	8.0	18.6	38.4	70.6	108.0	129.8	129.8	108.0	70.6	38.4	18.6	8.0	3.1				
20	2.2	4.9	13.0	33.8	80.0	150.1	228.5	275.3	275.3	228.5	150.1	80.0	33.8	13.0	4.9	2.2			
10		6.7	18.6	53.0	131.5	243.2	380.1	469.8	469.8	380.1	243.2	131.5	53.0	18.6	6.7				
0	3.2	7.8	23.3	68.5	172.7	321.9	516.9	655.3	655.3	516.9	321.9	172.7	68.5	23.3	7.8	3.2			
-10		8.1	24.3	70.7	175.2	326.6	522.1	659.4	659.4	522.1	326.6	175.2	70.7	24.3	8.1				
-20	3.4	8.0	23.0	63.0	155.2	286.7	442.0	545.4	545.4	442.0	286.7	155.2	63.0	23.0	8.0	3.4			
-30		7.4	19.9	49.3	115.8	216.2	322.2	386.3	386.3	322.2	216.2	115.8	49.3	19.9	7.4				
-40	2.9	6.4	16.1	35.6	72.9	134.1	202.3	240.9	240.9	202.3	134.1	72.9	35.6	16.1	6.4	2.9			
-50		5.3	12.5	24.6	43.8	70.2	100.7	119.9	119.9	100.7	70.2	43.8	24.6	12.5	5.3				
-60	1.8	4.2	9.1	16.4	26.8	38.5	49.8	56.3	56.3	49.8	38.5	26.8	16.4	9.1	4.2	1.8			
-70		2.9	6.1	10.1	15.5	21.2	25.9	28.2	28.2	25.9	21.2	15.5	10.1	6.1	2.9				
-80	0.5	5.9	15.1	27.0	24.6	27.0	15.1	5.9	0.5										
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

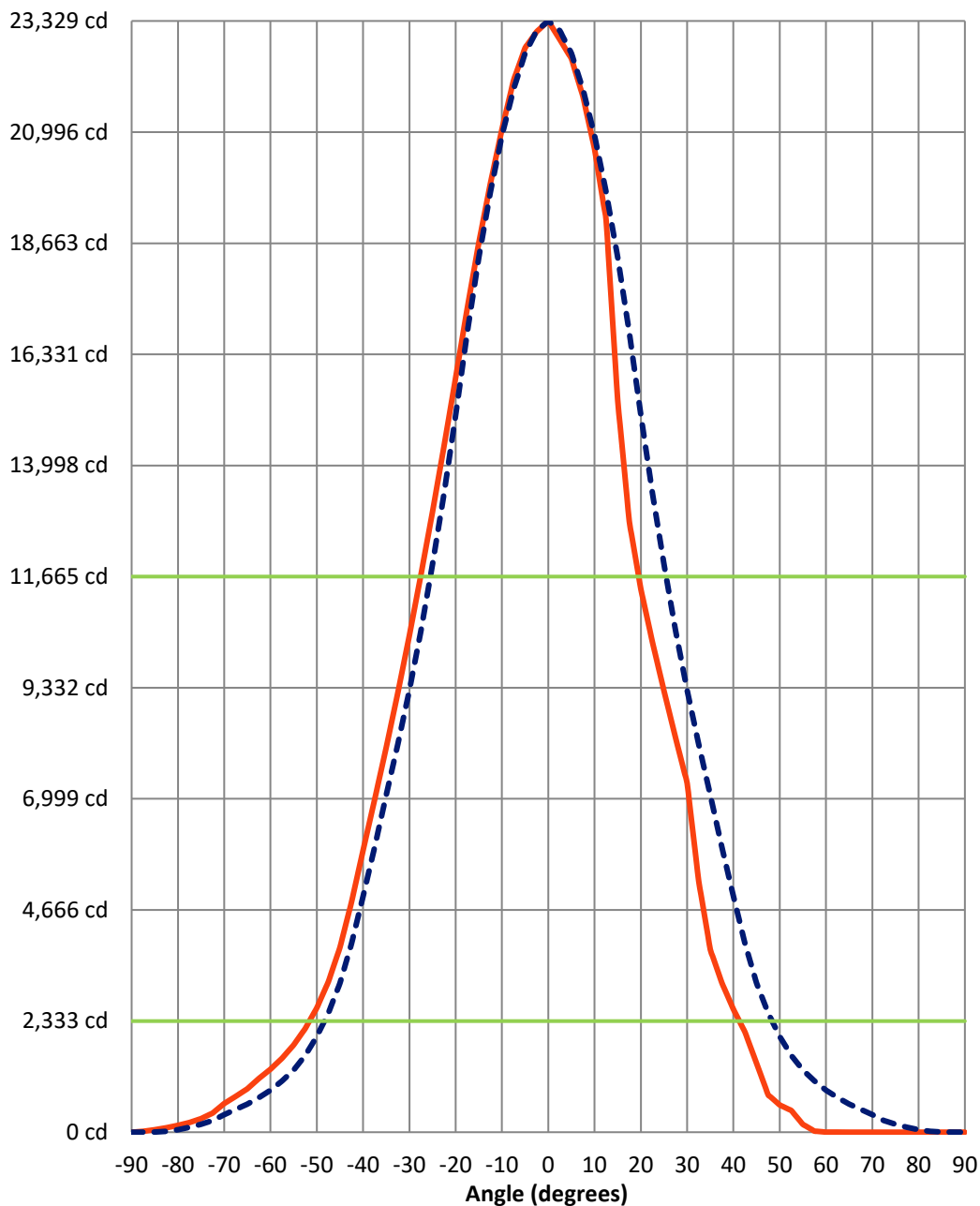
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 50.9°
 V Angle: 47.1°
 Lumens: 9909
 Efficiency: 48.1%

Field:
 H Angle: 96.7°
 V Angle: 92.9°
 Lumens: 18427.4
 Efficiency: 89.5%

Spill:
 Lumens: 2154.1
 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	0.1	0.2	0.3	0.4	0.4	0.5	0.6	0.7	0.7
85°	0.0	0.1	0.3	0.4	0.6	0.7	0.9	1.0	1.2	1.3	1.4
82.5°	0.0	0.2	0.4	0.7	0.9	1.1	1.3	1.5	1.7	1.7	1.7
80°	0.0	0.3	0.6	0.9	1.2	1.5	1.7	1.7	1.7	1.7	1.7
77.5°	0.0	0.4	0.7	1.1	1.5	1.7	1.7	1.7	1.7	1.7	1.7
75°	0.0	0.4	0.9	1.3	1.7	1.7	1.7	1.7	1.7	1.7	1.7
72.5°	0.0	0.5	1.0	1.5	1.7	1.7	1.7	1.7	1.7	1.7	1.7
70°	0.0	0.6	1.2	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.8
67.5°	0.0	0.7	1.3	1.7	1.7	1.7	1.8	1.7	1.7	2.2	2.1
65°	0.0	0.7	1.4	1.7	1.7	1.9	2.0	1.7	2.4	2.8	3.2
62.5°	0.0	0.8	1.6	1.7	1.7	2.3	2.3	2.3	3.2	4.5	7.0
60°	0.0	0.8	1.7	1.7	1.7	2.7	2.6	3.2	4.0	11.0	12.0
57.5°	0.0	0.9	1.7	1.7	2.2	3.2	4.5	4.3	10.9	18.6	20.4
55°	0.0	1.0	1.7	1.7	2.7	3.7	6.9	6.3	19.9	28.0	31.7
52.5°	0.0	1.0	1.8	1.7	3.2	4.6	9.6	15.7	29.8	41.6	44.9
50°	0.0	1.1	1.8	1.7	3.8	7.5	12.7	25.9	41.6	56.7	68.5
47.5°	0.0	1.1	1.8	1.8	4.3	10.6	17.0	36.3	57.1	73.2	92.9
45°	0.0	1.2	1.9	2.3	4.9	13.9	26.0	46.7	72.7	94.8	117.0
42.5°	0.0	1.3	1.9	2.7	5.6	17.3	35.0	59.0	88.2	116.2	143.8
40°	0.0	1.3	2.0	3.3	7.3	21.0	43.9	72.5	104.3	137.0	171.7
37.5°	0.0	1.3	2.1	4.0	10.2	24.8	52.8	85.8	121.8	158.4	200.3
35°	0.0	1.4	2.1	4.8	13.0	30.8	61.6	98.9	139.4	184.0	231.4
32.5°	0.0	1.4	2.2	5.7	15.9	37.8	70.9	111.8	157.0	210.3	266.4
30°	0.0	1.5	2.3	6.5	18.9	44.5	81.3	124.8	174.5	237.2	301.6
27.5°	0.0	1.5	2.4	7.5	22.2	51.1	91.4	139.2	193.8	264.5	337.0
25°	0.0	1.5	2.4	8.5	25.6	57.5	101.2	153.2	216.1	293.5	372.3
22.5°	0.0	1.6	2.5	9.5	28.8	63.6	110.5	166.8	238.1	322.9	408.2
20°	0.0	1.6	2.6	10.5	32.0	69.6	119.4	180.0	259.7	351.7	442.4
17.5°	0.0	1.6	2.7	11.6	35.1	75.3	127.6	192.7	280.8	379.6	474.8
15°	0.0	1.6	2.8	12.6	38.0	80.6	135.2	203.9	301.2	406.5	505.3
12.5°	0.0	1.7	2.9	13.7	40.7	85.4	142.1	213.3	318.1	432.2	533.9
10°	0.0	1.7	3.0	14.7	43.3	89.9	148.4	221.7	331.6	447.4	556.4
7.5°	0.0	1.7	3.1	15.7	45.8	93.9	154.0	229.1	343.4	458.9	568.1
5°	0.0	1.7	3.1	16.6	48.0	97.5	158.9	235.5	353.6	468.1	577.6
2.5°	0.0	1.7	3.2	17.5	50.0	100.7	163.1	240.8	361.9	475.1	584.9
0°	0.0	1.7	3.3	18.3	51.7	103.3	166.6	245.0	368.3	479.9	589.9
-2.5°	0.0	1.8	3.8	19.5	54.1	106.6	171.1	252.1	375.5	486.8	597.7
-5°	0.0	1.9	4.3	20.5	56.1	109.3	174.9	257.9	380.8	491.8	603.3
-7.5°	0.0	2.0	4.8	21.5	57.9	111.5	177.9	262.6	384.1	494.9	606.5
-10°	0.0	2.1	5.3	22.4	59.4	113.2	180.0	265.9	385.5	496.1	607.5
-12.5°	0.0	2.2	5.7	23.1	60.5	114.3	181.3	267.7	385.1	495.4	604.7
-15°	0.0	2.3	6.1	23.7	61.2	114.8	181.7	268.1	382.3	491.1	598.8
-17.5°	0.0	2.3	6.5	24.1	61.5	114.8	181.1	267.6	377.3	485.2	590.7
-20°	0.0	2.4	6.8	24.4	61.4	114.1	180.6	266.3	371.1	477.9	580.3

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Scaled Data Report



REPORT NUMBER: P627492 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-722-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	2.5	7.2	24.6	60.9	112.9	180.7	263.9	363.8	469.2	567.7
-25°	0.0	2.5	7.4	24.6	60.0	112.4	179.9	260.4	355.5	459.2	552.9
-27.5°	0.0	2.5	7.6	24.4	58.6	112.0	178.2	255.8	346.2	447.7	539.3
-30°	0.0	2.6	7.8	24.1	56.9	110.8	175.6	250.1	338.0	434.6	524.6
-32.5°	0.0	2.6	8.0	23.6	56.2	108.9	172.0	245.4	330.0	421.1	508.9
-35°	0.0	2.6	8.0	22.9	55.0	106.2	168.7	240.3	320.8	407.0	492.2
-37.5°	0.0	2.6	8.1	22.0	53.4	103.4	164.9	234.1	310.6	392.6	472.5
-40°	0.0	2.5	8.1	21.0	51.3	100.9	160.1	226.9	299.4	379.2	451.6
-42.5°	0.0	2.5	8.0	20.0	49.7	97.7	154.4	218.6	289.0	361.7	429.2
-45°	0.0	2.5	7.9	19.2	48.8	93.9	147.9	210.0	278.3	343.1	406.0
-47.5°	0.0	2.4	7.7	18.2	47.3	89.5	140.4	201.2	266.4	323.7	384.5
-50°	0.0	2.3	7.5	17.9	45.3	84.4	133.9	191.2	250.7	306.1	362.4
-52.5°	0.0	2.2	7.2	17.6	42.8	78.7	126.8	180.3	235.1	287.7	339.9
-55°	0.0	2.1	6.8	17.1	39.8	74.1	119.0	168.6	219.1	268.5	318.7
-57.5°	0.0	2.0	6.5	16.5	36.4	69.1	110.4	158.1	202.2	249.2	296.7
-60°	0.0	1.9	6.0	15.6	32.6	63.3	101.3	145.5	184.9	229.1	274.1
-62.5°	0.0	1.8	5.7	14.5	30.4	57.0	92.4	131.5	167.7	208.3	250.7
-65°	0.0	1.7	5.3	13.2	27.8	50.0	82.6	116.8	149.5	186.4	226.5
-67.5°	0.0	1.5	4.8	11.7	24.9	43.8	72.1	102.1	130.2	163.1	199.6
-70°	0.0	1.4	4.4	10.1	21.6	38.4	60.7	86.8	112.0	138.8	170.7
-72.5°	0.0	1.2	3.9	8.9	18.1	32.6	51.6	71.1	93.2	116.7	141.5
-75°	0.0	1.1	3.4	7.8	14.4	26.4	42.4	57.9	73.9	94.1	115.5
-77.5°	0.0	0.9	2.8	6.6	11.9	19.9	32.7	45.5	58.7	72.6	88.8
-80°	0.0	0.7	2.3	5.3	9.7	15.2	22.6	32.9	43.7	55.0	66.9
-82.5°	0.0	0.5	1.7	4.0	7.3	11.5	16.7	22.0	28.4	37.1	46.3
-85°	0.0	0.4	1.2	2.7	4.9	7.7	11.2	14.7	18.7	23.2	28.0
-87.5°	0.0	0.2	0.6	1.4	2.5	3.9	5.6	7.4	9.4	11.6	14.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.8	0.8	0.9	1.0	1.0	1.1	1.1	1.2	1.3	1.3	1.3
85°	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
82.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
80°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
77.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
75°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
72.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
70°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.4
67.5°	1.7	1.7	1.7	1.8	1.7	1.7	1.7	1.7	1.7	1.3	0.9
65°	1.7	1.7	2.3	2.5	1.8	1.7	1.7	1.7	1.8	1.5	1.6
62.5°	2.5	3.0	3.8	5.8	4.4	1.7	3.3	3.8	2.6	2.1	2.3
60°	7.3	5.0	12.8	17.8	11.6	6.2	7.6	15.1	12.5	3.4	8.8
57.5°	14.7	18.2	32.3	33.9	26.0	17.6	38.6	42.7	35.5	22.3	32.1
55°	30.7	43.1	54.5	53.8	54.2	68.1	80.0	78.6	69.3	95.5	120.3
52.5°	58.0	70.9	78.5	85.5	104.9	117.9	121.6	129.0	156.1	188.6	194.5
50°	85.1	98.4	108.4	133.7	153.7	163.9	173.4	198.3	239.3	261.6	265.2
47.5°	112.6	127.5	153.6	181.4	200.7	216.1	232.6	289.1	334.9	353.9	360.8
45°	141.3	166.9	199.6	228.1	250.5	271.4	325.0	402.1	434.4	463.5	537.5
42.5°	171.0	209.7	246.5	276.4	301.6	345.3	419.9	494.6	540.8	602.7	692.2
40°	208.9	252.3	295.0	325.4	356.8	423.0	515.4	594.5	643.3	726.5	828.5
37.5°	247.5	298.2	344.3	376.3	420.4	510.1	618.6	713.3	773.9	841.6	1005.5
35°	285.6	345.0	392.3	435.2	489.8	613.3	747.0	852.5	927.4	1043.3	1250.6
32.5°	326.2	392.7	441.0	499.4	589.1	727.2	891.5	1008.6	1132.8	1299.5	1631.6
30°	369.5	437.3	492.8	563.0	683.3	844.5	1035.1	1182.3	1350.9	1621.5	1979.6
27.5°	412.6	481.7	550.1	639.5	771.5	945.7	1144.8	1376.8	1594.6	1897.3	2288.7
25°	454.1	527.0	606.3	714.3	857.1	1039.4	1256.7	1524.3	1808.7	2154.9	2614.5
22.5°	493.6	573.0	665.8	781.9	929.3	1128.4	1387.6	1701.9	2043.6	2402.2	2930.3
20°	532.4	624.3	730.9	860.8	995.7	1210.4	1515.5	1896.2	2324.4	2815.7	3333.2
17.5°	570.7	675.0	798.1	942.4	1105.9	1325.7	1646.7	2099.9	2621.0	3260.5	3897.7
15°	608.2	724.7	863.0	1023.1	1217.1	1479.8	1844.4	2342.5	2972.1	3737.9	4492.6
12.5°	644.6	773.0	925.4	1101.9	1325.0	1624.8	2030.7	2568.0	3289.5	4204.3	5131.6
10°	679.5	819.2	984.6	1177.9	1428.3	1759.8	2195.4	2763.1	3529.0	4471.8	5503.0
7.5°	697.3	850.6	1035.1	1250.2	1525.8	1883.8	2338.6	2928.1	3716.0	4686.8	5720.9
5°	710.0	864.9	1054.1	1279.1	1579.3	1968.0	2448.3	3062.9	3853.9	4848.6	5868.4
2.5°	719.8	875.2	1067.9	1295.5	1600.5	1996.1	2484.5	3109.9	3927.9	4933.1	5954.4
0°	726.5	881.5	1076.5	1304.8	1611.4	2009.6	2501.2	3129.5	3959.3	4952.5	5985.6
-2.5°	733.7	890.1	1085.4	1319.3	1626.7	2028.1	2519.6	3143.3	3982.8	4957.8	6002.5
-5°	737.8	894.7	1088.9	1326.3	1631.6	2031.6	2518.3	3130.1	3964.1	4918.9	5965.8
-7.5°	738.9	895.3	1087.0	1324.9	1625.3	2015.9	2491.7	3091.0	3899.5	4840.2	5875.7
-10°	737.1	891.4	1079.8	1312.9	1607.0	1983.1	2444.1	3023.4	3793.2	4710.2	5723.5
-12.5°	731.7	883.0	1067.0	1293.3	1577.6	1936.6	2377.0	2926.9	3645.7	4529.5	5508.9
-15°	723.1	870.6	1048.4	1266.1	1536.9	1876.7	2290.8	2801.6	3455.8	4299.7	5241.7
-17.5°	711.2	854.1	1024.1	1231.4	1485.0	1804.0	2186.7	2654.9	3251.0	4043.3	4944.6
-20°	696.0	833.6	994.1	1189.4	1425.1	1727.3	2090.0	2525.1	3059.3	3749.7	4594.1

Classified

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

Scaled Data Report



REPORT NUMBER: P627492 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-722-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°	677.5	809.2	962.3	1149.1	1372.0	1647.8	1981.8	2377.9	2844.3	3410.4	4211.4
-25°	658.6	785.8	931.4	1104.3	1311.3	1557.6	1858.2	2218.9	2641.3	3159.5	3821.8
-27.5°	639.8	758.8	895.6	1052.6	1243.3	1464.6	1741.9	2070.8	2447.2	2887.8	3427.2
-30°	618.8	728.7	856.2	998.4	1178.1	1383.6	1623.2	1905.1	2239.8	2637.9	3106.8
-32.5°	595.7	696.4	818.0	951.5	1108.3	1295.4	1502.6	1757.5	2048.7	2377.2	2782.4
-35°	572.8	668.9	778.9	901.0	1033.4	1208.5	1399.0	1610.4	1858.2	2149.0	2473.1
-37.5°	550.8	638.8	737.0	850.8	975.0	1120.4	1288.7	1479.6	1692.8	1924.2	2204.2
-40°	526.2	606.3	699.2	802.3	912.2	1038.2	1189.9	1352.0	1535.5	1739.1	1955.3
-42.5°	499.5	576.5	661.2	750.1	850.9	963.5	1089.3	1237.5	1390.0	1560.6	1749.4
-45°	473.3	544.1	621.6	702.7	787.5	887.0	1001.3	1124.6	1259.8	1399.0	1557.5
-47.5°	445.8	510.4	582.6	653.2	728.4	813.3	910.2	1022.1	1134.8	1258.8	1381.7
-50°	418.2	478.8	539.5	605.4	672.8	743.4	825.3	921.9	1024.5	1127.3	1235.5
-52.5°	393.5	445.9	500.8	557.4	618.7	681.6	749.8	829.4	919.2	1009.8	1103.0
-55°	368.3	416.6	461.9	512.6	565.6	622.2	683.1	750.1	817.8	900.4	980.6
-57.5°	343.7	386.5	425.9	469.1	516.3	564.4	619.2	676.1	737.6	800.0	865.7
-60°	318.9	355.4	391.1	428.5	468.1	510.8	554.9	604.9	657.7	711.8	768.8
-62.5°	293.4	322.9	354.4	388.6	423.5	456.4	493.4	534.3	577.8	624.3	672.5
-65°	264.8	289.3	315.5	345.3	378.1	404.6	433.0	463.7	499.6	537.9	575.8
-67.5°	234.3	256.0	277.4	299.5	326.0	349.8	373.1	397.5	424.4	455.7	486.1
-70°	200.3	221.9	240.8	259.1	276.0	292.9	312.7	332.0	353.7	381.7	409.4
-72.5°	165.7	186.0	203.9	219.4	231.3	241.4	253.6	267.6	288.3	314.4	338.7
-75°	134.0	150.4	167.1	182.1	189.7	192.8	195.3	202.7	223.7	250.4	274.1
-77.5°	104.4	118.6	132.3	145.3	150.7	152.8	153.8	153.8	169.3	192.0	216.0
-80°	76.8	86.8	98.4	109.5	112.8	113.8	113.9	113.2	125.8	142.2	159.8
-82.5°	53.4	60.5	67.9	75.5	76.5	76.0	74.9	73.8	84.1	95.9	108.0
-85°	31.1	34.1	38.6	43.3	43.8	43.6	42.8	41.4	47.1	53.6	60.4
-87.5°	15.6	17.1	18.6	20.1	19.5	18.8	17.7	16.5	18.1	19.8	21.4
-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: P627492 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-722-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°	1.4	1.1	0.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	1.7	1.3	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	1.7	1.3	0.9	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	1.7	1.3	0.9	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	1.7	1.4	1.0	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0
75°	1.7	1.4	1.0	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1.7	1.5	1.0	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0
70°	1.0	0.5	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.8	0.9	0.9	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0
65°	1.7	1.7	1.3	0.8	0.4	0.3	0.4	0.4	0.2	0.0	0.0
62.5°	2.2	2.1	1.5	1.4	1.6	1.7	1.4	1.2	1.1	1.2	1.4
60°	9.4	5.4	5.5	7.0	6.0	2.8	5.5	6.9	6.5	4.9	4.3
57.5°	47.8	40.0	28.0	46.9	48.3	33.6	36.5	47.6	46.2	35.7	35.6
55°	120.5	122.3	131.3	143.1	151.9	155.9	159.5	177.5	196.6	215.4	224.8
52.5°	199.0	222.4	251.3	270.5	283.9	311.3	349.7	367.3	384.5	404.0	418.1
50°	293.2	333.6	362.7	367.0	412.6	442.3	449.2	482.3	518.4	540.8	556.9
47.5°	436.2	487.4	512.7	528.8	584.4	645.4	645.5	664.5	754.7	801.9	824.6
45°	628.2	670.9	715.7	832.1	939.2	973.1	1045.8	1144.3	1208.3	1296.3	1393.1
42.5°	791.8	871.9	984.1	1112.3	1219.6	1308.9	1417.0	1535.3	1677.5	1811.2	1926.5
40°	953.6	1052.8	1191.8	1331.2	1466.3	1590.1	1764.2	1916.4	2084.1	2268.0	2421.3
37.5°	1164.8	1291.8	1435.4	1611.2	1821.5	1958.9	2198.4	2417.1	2606.1	2828.2	2965.0
35°	1489.2	1654.7	1781.8	2137.3	2393.1	2553.8	2837.3	3196.8	3334.8	3614.5	3747.2
32.5°	1897.0	2116.9	2451.6	2922.3	3264.0	3559.8	3983.6	4348.3	4659.2	4940.1	5232.3
30°	2355.2	2694.6	3188.0	3813.4	4160.4	4574.8	5147.8	5580.3	6067.9	6603.1	6790.5
27.5°	2771.0	3279.4	3852.3	4358.9	4857.3	5373.4	5936.4	6492.0	7019.7	7465.0	7763.9
25°	3156.5	3772.1	4328.9	4870.2	5410.3	5991.4	6628.2	7258.4	7839.1	8297.3	8645.7
22.5°	3554.0	4204.4	4800.1	5349.4	5977.5	6636.1	7313.3	8036.1	8696.9	9172.3	9551.8
20°	3927.8	4651.2	5330.6	5956.0	6549.8	7310.1	8089.9	8856.5	9576.2	10142.5	10580.1
17.5°	4521.1	5149.0	5979.4	6791.9	7460.8	8159.2	9201.2	9992.5	10791.1	11469.3	11933.2
15°	5249.6	5940.1	6797.6	7913.4	8830.0	9630.2	10706.7	11993.9	12935.9	13801.6	14395.5
12.5°	5978.8	6759.8	7687.2	8943.0	10247.9	11190.5	12496.5	14127.6	15224.8	16565.2	17226.0
10°	6537.7	7518.4	8473.5	9619.5	10872.7	12214.9	13622.8	15148.8	16614.9	17765.8	18794.8
7.5°	6762.7	7807.4	8913.0	10082.2	11335.3	12720.6	14221.1	15809.0	17317.8	18603.4	19734.1
5°	6930.9	8001.3	9114.2	10309.7	11649.3	13096.0	14618.8	16286.0	17826.8	19204.7	20361.5
2.5°	7037.8	8118.3	9226.3	10441.8	11850.7	13340.4	14912.1	16623.4	18187.4	19605.9	20759.0
0°	7078.8	8143.6	9278.4	10529.8	11924.6	13417.7	15057.4	16788.7	18365.1	19736.5	20923.0
-2.5°	7084.4	8120.0	9281.8	10527.1	11861.6	13368.7	15028.3	16745.2	18289.5	19655.4	20852.5
-5°	7028.8	8064.0	9226.8	10453.3	11789.7	13285.4	14873.6	16532.8	18005.7	19335.0	20487.5
-7.5°	6916.0	7948.4	9085.5	10283.9	11584.2	13035.1	14560.5	16103.0	17548.0	18822.9	19922.9
-10°	6748.7	7759.4	8857.1	10024.8	11255.2	12635.2	14089.7	15563.5	16918.5	18097.6	19114.7
-12.5°	6522.2	7509.5	8557.8	9672.6	10817.9	12133.5	13507.0	14890.9	16126.0	17202.4	18115.0
-15°	6228.0	7192.3	8207.4	9261.6	10372.3	11562.1	12794.6	14064.0	15203.1	16157.7	16991.4
-17.5°	5881.5	6816.7	7780.7	8758.0	9811.9	10928.1	12072.3	13211.8	14183.3	15031.3	15793.6
-20°	5495.1	6396.2	7311.9	8222.9	9179.1	10211.5	11268.2	12269.1	13118.2	13888.7	14586.3

Classified

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

Scaled Data Report



REPORT NUMBER: P627492 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-722-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°	5062.0	5924.5	6802.2	7654.8	8516.9	9451.7	10395.5	11300.7	12094.8	12753.9	13360.1
-25°	4598.3	5395.3	6224.0	7023.4	7817.0	8654.6	9511.8	10344.7	11043.6	11615.9	12116.8
-27.5°	4131.1	4859.3	5589.5	6342.0	7075.5	7848.6	8624.6	9344.0	9971.5	10498.4	10919.3
-30°	3639.9	4291.0	4957.8	5638.7	6339.1	7046.5	7747.7	8377.6	8925.3	9388.7	9752.5
-32.5°	3231.8	3726.4	4315.1	4933.2	5589.8	6234.3	6844.3	7418.4	7934.5	8339.2	8647.7
-35°	2840.6	3259.4	3700.4	4247.4	4811.5	5404.7	5965.8	6478.1	6938.2	7291.8	7582.0
-37.5°	2504.2	2835.5	3208.4	3599.0	4071.9	4562.2	5068.7	5550.5	5960.8	6269.3	6528.5
-40°	2213.1	2474.7	2772.6	3082.3	3430.2	3782.4	4223.4	4630.1	4965.0	5253.3	5488.2
-42.5°	1950.0	2170.7	2390.7	2644.7	2907.2	3190.4	3499.9	3800.6	4057.6	4299.0	4498.4
-45°	1722.8	1899.1	2074.5	2270.7	2463.5	2693.7	2914.8	3112.1	3320.3	3501.0	3643.2
-47.5°	1524.2	1661.7	1812.0	1958.8	2113.6	2287.0	2451.5	2601.6	2754.2	2886.3	2992.3
-50°	1347.7	1461.6	1584.4	1699.7	1824.9	1951.7	2073.4	2192.8	2308.7	2409.2	2487.4
-52.5°	1193.1	1292.7	1388.3	1480.2	1579.8	1673.7	1761.8	1860.3	1950.9	2030.1	2083.6
-55°	1061.6	1142.9	1221.2	1297.9	1373.2	1444.4	1514.6	1591.1	1661.0	1724.0	1763.8
-57.5°	938.0	1007.2	1073.6	1136.2	1196.0	1252.5	1311.7	1370.5	1424.4	1471.9	1502.7
-60°	825.6	882.2	939.6	990.7	1038.9	1084.1	1133.8	1180.9	1224.4	1261.0	1282.3
-62.5°	722.6	773.3	815.7	856.2	897.1	937.9	973.2	1008.0	1041.5	1069.8	1088.4
-65°	615.0	658.0	694.0	726.5	755.9	787.4	817.6	844.8	869.1	887.5	899.2
-67.5°	518.6	550.3	579.2	605.0	631.2	656.5	679.7	700.4	718.6	731.4	739.9
-70°	434.9	459.1	482.7	506.2	529.6	549.3	566.1	581.6	595.6	601.4	604.0
-72.5°	361.4	382.8	403.6	424.4	443.8	459.1	471.5	482.9	493.1	484.3	468.9
-75°	294.7	313.6	333.0	351.3	368.4	380.2	389.4	397.9	405.6	386.5	360.3
-77.5°	240.2	256.8	271.1	285.4	299.5	307.0	312.8	318.6	324.0	302.8	275.9
-80°	178.2	191.6	203.8	215.8	227.5	232.0	234.6	236.4	237.3	219.1	198.1
-82.5°	120.4	127.3	134.0	141.0	148.2	151.9	154.7	156.9	158.5	145.5	131.0
-85°	67.5	69.6	71.2	72.6	73.8	76.1	78.4	80.5	82.4	76.2	69.4
-87.5°	23.2	23.2	23.1	22.9	22.7	22.7	22.7	22.6	22.5	21.5	20.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P627492 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-722-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°	1.5	1.6	1.7	1.7	1.7	1.6	1.5	1.4	1.2	1.1	1.2
60°	3.3	2.1	1.7	1.7	1.7	2.1	3.3	4.3	4.9	6.5	6.9
57.5°	33.2	28.9	25.9	23.3	25.9	28.9	33.2	35.6	35.7	46.2	47.6
55°	220.7	205.5	186.9	165.0	186.9	205.5	220.7	224.8	215.4	196.6	177.5
52.5°	433.0	447.4	455.7	454.9	455.7	447.4	433.0	418.1	404.0	384.5	367.3
50°	569.9	577.7	578.1	571.6	578.1	577.7	569.9	556.9	540.8	518.4	482.3
47.5°	834.9	823.9	805.1	784.9	805.1	823.9	834.9	824.6	801.9	754.7	664.5
45°	1456.8	1491.9	1489.6	1444.7	1489.6	1491.9	1456.8	1393.1	1296.3	1208.3	1144.3
42.5°	1991.0	2043.5	2080.7	2099.6	2080.7	2043.5	1991.0	1926.5	1811.2	1677.5	1535.3
40°	2507.7	2558.5	2580.8	2579.5	2580.8	2558.5	2507.7	2421.3	2268.0	2084.1	1916.4
37.5°	3053.7	3119.4	3151.2	3136.1	3151.2	3119.4	3053.7	2965.0	2828.2	2606.1	2417.1
35°	3804.6	3866.1	3867.3	3836.0	3867.3	3866.1	3804.6	3747.2	3614.5	3334.8	3196.8
32.5°	5464.3	5484.9	5326.8	5270.7	5326.8	5484.9	5464.3	5232.3	4940.1	4659.2	4348.3
30°	6977.1	7122.9	7258.6	7327.1	7258.6	7122.9	6977.1	6790.5	6603.1	6067.9	5580.3
27.5°	7989.2	8164.6	8273.3	8280.2	8273.3	8164.6	7989.2	7763.9	7465.0	7019.7	6492.0
25°	8909.7	9105.9	9224.4	9265.0	9224.4	9105.9	8909.7	8645.7	8297.3	7839.1	7258.4
22.5°	9874.0	10105.3	10258.5	10289.9	10258.5	10105.3	9874.0	9551.8	9172.3	8696.9	8036.1
20°	10992.9	11262.1	11409.0	11403.0	11409.0	11262.1	10992.9	10580.1	10142.5	9576.2	8856.5
17.5°	12466.0	12754.7	12881.5	12826.1	12881.5	12754.7	12466.0	11933.2	11469.3	10791.1	9992.5
15°	15005.2	15609.1	15606.6	15365.6	15606.6	15609.1	15005.2	14395.5	13801.6	12935.9	11993.9
12.5°	18137.3	18587.4	19049.1	19148.3	19049.1	18587.4	18137.3	17226.0	16565.2	15224.8	14127.6
10°	19661.3	20259.0	20653.5	20643.1	20653.5	20259.0	19661.3	18794.8	17765.8	16614.9	15148.8
7.5°	20614.9	21275.1	21753.1	21742.9	21753.1	21275.1	20614.9	19734.1	18603.4	17317.8	15809.0
5°	21350.6	22083.0	22506.4	22537.7	22506.4	22083.0	21350.6	20361.5	19204.7	17826.8	16286.0
2.5°	21733.0	22497.3	23006.3	22939.3	23006.3	22497.3	21733.0	20759.0	19605.9	18187.4	16623.4
0°	21892.8	22649.4	23124.3	23329.3	23124.3	22649.4	21892.8	20923.0	19736.5	18365.1	16788.7
-2.5°	21823.1	22559.2	23084.0	23104.3	23084.0	22559.2	21823.1	20852.5	19655.4	18289.5	16745.2
-5°	21449.1	22225.9	22577.6	22764.4	22577.6	22225.9	21449.1	20487.5	19335.0	18005.7	16532.8
-7.5°	20846.1	21428.2	21874.9	22081.1	21874.9	21428.2	20846.1	19922.9	18822.9	17548.0	16103.0
-10°	19907.6	20510.3	20887.8	21058.0	20887.8	20510.3	19907.6	19114.7	18097.6	16918.5	15563.5
-12.5°	18868.0	19415.7	19774.5	19918.2	19774.5	19415.7	18868.0	18115.0	17202.4	16126.0	14890.9
-15°	17708.0	18205.3	18535.6	18673.4	18535.6	18205.3	17708.0	16991.4	16157.7	15203.1	14064.0
-17.5°	16431.1	16866.9	17196.1	17295.3	17196.1	16866.9	16431.1	15793.6	15031.3	14183.3	13211.8
-20°	15118.2	15512.1	15783.2	15842.2	15783.2	15512.1	15118.2	14586.3	13888.7	13118.2	12269.1



REPORT NUMBER: P627492 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-722-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°	13795.3	14119.8	14339.9	14414.1	14339.9	14119.8	13795.3	13360.1	12753.9	12094.8	11300.7
-25°	12502.4	12782.5	12959.7	13026.1	12959.7	12782.5	12502.4	12116.8	11615.9	11043.6	10344.7
-27.5°	11259.0	11520.0	11682.8	11704.6	11682.8	11520.0	11259.0	10919.3	10498.4	9971.5	9344.0
-30°	10035.4	10251.2	10376.6	10429.8	10376.6	10251.2	10035.4	9752.5	9388.7	8925.3	8377.6
-32.5°	8892.1	9080.5	9193.2	9223.4	9193.2	9080.5	8892.1	8647.7	8339.2	7934.5	7418.4
-35°	7812.7	7986.7	8086.6	8078.6	8086.6	7986.7	7812.7	7582.0	7291.8	6938.2	6478.1
-37.5°	6742.7	6903.3	6993.9	6985.4	6993.9	6903.3	6742.7	6528.5	6269.3	5960.8	5550.5
-40°	5681.3	5819.8	5899.6	5919.0	5899.6	5819.8	5681.3	5488.2	5253.3	4965.0	4630.1
-42.5°	4664.3	4792.1	4856.0	4830.8	4856.0	4792.1	4664.3	4498.4	4299.0	4057.6	3800.6
-45°	3742.7	3808.8	3852.3	3879.3	3852.3	3808.8	3742.7	3643.2	3501.0	3320.3	3112.1
-47.5°	3069.9	3124.7	3154.3	3159.4	3154.3	3124.7	3069.9	2992.3	2886.3	2754.2	2601.6
-50°	2548.2	2594.8	2615.4	2609.5	2615.4	2594.8	2548.2	2487.4	2409.2	2308.7	2192.8
-52.5°	2122.2	2149.2	2167.4	2176.3	2167.4	2149.2	2122.2	2083.6	2030.1	1950.9	1860.3
-55°	1793.8	1814.8	1827.1	1831.3	1827.1	1814.8	1793.8	1763.8	1724.0	1661.0	1591.1
-57.5°	1528.4	1548.4	1555.7	1553.1	1555.7	1548.4	1528.4	1502.7	1471.9	1424.4	1370.5
-60°	1298.7	1310.1	1318.7	1323.1	1318.7	1310.1	1298.7	1282.3	1261.0	1224.4	1180.9
-62.5°	1103.2	1113.9	1122.9	1128.1	1122.9	1113.9	1103.2	1088.4	1069.8	1041.5	1008.0
-65°	907.5	912.2	913.6	911.5	913.6	912.2	907.5	899.2	887.5	869.1	844.8
-67.5°	746.2	750.1	752.8	753.2	752.8	750.1	746.2	739.9	731.4	718.6	700.4
-70°	606.5	608.2	606.3	601.6	606.3	608.2	606.5	604.0	601.4	595.6	581.6
-72.5°	453.2	436.5	420.0	401.6	420.0	436.5	453.2	468.9	484.3	493.1	482.9
-75°	333.1	305.0	294.8	285.0	294.8	305.0	333.1	360.3	386.5	405.6	397.9
-77.5°	247.8	218.5	210.7	203.3	210.7	218.5	247.8	275.9	302.8	324.0	318.6
-80°	176.0	153.2	148.2	143.3	148.2	153.2	176.0	198.1	219.1	237.3	236.4
-82.5°	115.7	99.8	96.6	93.3	96.6	99.8	115.7	131.0	145.5	158.5	156.9
-85°	62.3	54.8	53.3	51.7	53.3	54.8	62.3	69.4	76.2	82.4	80.5
-87.5°	19.4	18.2	18.3	18.3	18.3	18.2	19.4	20.5	21.5	22.5	22.6
-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: P627492 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-722-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	0.4	0.7	1.1	1.4	1.3	1.3	1.3	1.2
85°	0.0	0.0	0.0	0.4	0.9	1.3	1.7	1.7	1.7	1.7	1.7
82.5°	0.0	0.0	0.0	0.5	0.9	1.3	1.7	1.7	1.7	1.7	1.7
80°	0.0	0.0	0.1	0.5	0.9	1.3	1.7	1.7	1.7	1.7	1.7
77.5°	0.0	0.0	0.1	0.5	1.0	1.4	1.7	1.7	1.7	1.7	1.7
75°	0.0	0.0	0.1	0.6	1.0	1.4	1.7	1.7	1.7	1.7	1.7
72.5°	0.0	0.0	0.1	0.5	1.0	1.5	1.7	1.7	1.7	1.7	1.7
70°	0.0	0.0	0.1	0.0	0.1	0.5	1.0	1.4	1.7	1.7	1.7
67.5°	0.0	0.0	0.3	0.7	0.9	0.9	0.8	0.9	1.3	1.7	1.7
65°	0.4	0.3	0.4	0.8	1.3	1.7	1.7	1.6	1.5	1.8	1.7
62.5°	1.4	1.7	1.6	1.4	1.5	2.1	2.2	2.3	2.1	2.6	3.8
60°	5.5	2.8	6.0	7.0	5.5	5.4	9.4	8.8	3.4	12.5	15.1
57.5°	36.5	33.6	48.3	46.9	28.0	40.0	47.8	32.1	22.3	35.5	42.7
55°	159.5	155.9	151.9	143.1	131.3	122.3	120.5	120.3	95.5	69.3	78.6
52.5°	349.7	311.3	283.9	270.5	251.3	222.4	199.0	194.5	188.6	156.1	129.0
50°	449.2	442.3	412.6	367.0	362.7	333.6	293.2	265.2	261.6	239.3	198.3
47.5°	645.5	645.4	584.4	528.8	512.7	487.4	436.2	360.8	353.9	334.9	289.1
45°	1045.8	973.1	939.2	832.1	715.7	670.9	628.2	537.5	463.5	434.4	402.1
42.5°	1417.0	1308.9	1219.6	1112.3	984.1	871.9	791.8	692.2	602.7	540.8	494.6
40°	1764.2	1590.1	1466.3	1331.2	1191.8	1052.8	953.6	828.5	726.5	643.3	594.5
37.5°	2198.4	1958.9	1821.5	1611.2	1435.4	1291.8	1164.8	1005.5	841.6	773.9	713.3
35°	2837.3	2553.8	2393.1	2137.3	1781.8	1654.7	1489.2	1250.6	1043.3	927.4	852.5
32.5°	3983.6	3559.8	3264.0	2922.3	2451.6	2116.9	1897.0	1631.6	1299.5	1132.8	1008.6
30°	5147.8	4574.8	4160.4	3813.4	3188.0	2694.6	2355.2	1979.6	1621.5	1350.9	1182.3
27.5°	5936.4	5373.4	4857.3	4358.9	3852.3	3279.4	2771.0	2288.7	1897.3	1594.6	1376.8
25°	6628.2	5991.4	5410.3	4870.2	4328.9	3772.1	3156.5	2614.5	2154.9	1808.7	1524.3
22.5°	7313.3	6636.1	5977.5	5349.4	4800.1	4204.4	3554.0	2930.3	2402.2	2043.6	1701.9
20°	8089.9	7310.1	6549.8	5956.0	5330.6	4651.2	3927.8	3333.2	2815.7	2324.4	1896.2
17.5°	9201.2	8159.2	7460.8	6791.9	5979.4	5149.0	4521.1	3897.7	3260.5	2621.0	2099.9
15°	10706.7	9630.2	8830.0	7913.4	6797.6	5940.1	5249.6	4492.6	3737.9	2972.1	2342.5
12.5°	12496.5	11190.5	10247.9	8943.0	7687.2	6759.8	5978.8	5131.6	4204.3	3289.5	2568.0
10°	13622.8	12214.9	10872.7	9619.5	8473.5	7518.4	6537.7	5503.0	4471.8	3529.0	2763.1
7.5°	14221.1	12720.6	11335.3	10082.2	8913.0	7807.4	6762.7	5720.9	4686.8	3716.0	2928.1
5°	14618.8	13096.0	11649.3	10309.7	9114.2	8001.3	6930.9	5868.4	4848.6	3853.9	3062.9
2.5°	14912.1	13340.4	11850.7	10441.8	9226.3	8118.3	7037.8	5954.4	4933.1	3927.9	3109.9
0°	15057.4	13417.7	11924.6	10529.8	9278.4	8143.6	7078.8	5985.6	4952.5	3959.3	3129.5
-2.5°	15028.3	13368.7	11861.6	10527.1	9281.8	8120.0	7084.4	6002.5	4957.8	3982.8	3143.3
-5°	14873.6	13285.4	11789.7	10453.3	9226.8	8064.0	7028.8	5965.8	4918.9	3964.1	3130.1
-7.5°	14560.5	13035.1	11584.2	10283.9	9085.5	7948.4	6916.0	5875.7	4840.2	3899.5	3091.0
-10°	14089.7	12635.2	11255.2	10024.8	8857.1	7759.4	6748.7	5723.5	4710.2	3793.2	3023.4
-12.5°	13507.0	12133.5	10817.9	9672.6	8557.8	7509.5	6522.2	5508.9	4529.5	3645.7	2926.9
-15°	12794.6	11562.1	10372.3	9261.6	8207.4	7192.3	6228.0	5241.7	4299.7	3455.8	2801.6
-17.5°	12072.3	10928.1	9811.9	8758.0	7780.7	6816.7	5881.5	4944.6	4043.3	3251.0	2654.9
-20°	11268.2	10211.5	9179.1	8222.9	7311.9	6396.2	5495.1	4594.1	3749.7	3059.3	2525.1



REPORT NUMBER: P627492 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-722-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°	10395.5	9451.7	8516.9	7654.8	6802.2	5924.5	5062.0	4211.4	3410.4	2844.3	2377.9
-25°	9511.8	8654.6	7817.0	7023.4	6224.0	5395.3	4598.3	3821.8	3159.5	2641.3	2218.9
-27.5°	8624.6	7848.6	7075.5	6342.0	5589.5	4859.3	4131.1	3427.2	2887.8	2447.2	2070.8
-30°	7747.7	7046.5	6339.1	5638.7	4957.8	4291.0	3639.9	3106.8	2637.9	2239.8	1905.1
-32.5°	6844.3	6234.3	5589.8	4933.2	4315.1	3726.4	3231.8	2782.4	2377.2	2048.7	1757.5
-35°	5965.8	5404.7	4811.5	4247.4	3700.4	3259.4	2840.6	2473.1	2149.0	1858.2	1610.4
-37.5°	5068.7	4562.2	4071.9	3599.0	3208.4	2835.5	2504.2	2204.2	1924.2	1692.8	1479.6
-40°	4223.4	3782.4	3430.2	3082.3	2772.6	2474.7	2213.1	1955.3	1739.1	1535.5	1352.0
-42.5°	3499.9	3190.4	2907.2	2644.7	2390.7	2170.7	1950.0	1749.4	1560.6	1390.0	1237.5
-45°	2914.8	2693.7	2463.5	2270.7	2074.5	1899.1	1722.8	1557.5	1399.0	1259.8	1124.6
-47.5°	2451.5	2287.0	2113.6	1958.8	1812.0	1661.7	1524.2	1381.7	1258.8	1134.8	1022.1
-50°	2073.4	1951.7	1824.9	1699.7	1584.4	1461.6	1347.7	1235.5	1127.3	1024.5	921.9
-52.5°	1761.8	1673.7	1579.8	1480.2	1388.3	1292.7	1193.1	1103.0	1009.8	919.2	829.4
-55°	1514.6	1444.4	1373.2	1297.9	1221.2	1142.9	1061.6	980.6	900.4	817.8	750.1
-57.5°	1311.7	1252.5	1196.0	1136.2	1073.6	1007.2	938.0	865.7	800.0	737.6	676.1
-60°	1133.8	1084.1	1038.9	990.7	939.6	882.2	825.6	768.8	711.8	657.7	604.9
-62.5°	973.2	937.9	897.1	856.2	815.7	773.3	722.6	672.5	624.3	577.8	534.3
-65°	817.6	787.4	755.9	726.5	694.0	658.0	615.0	575.8	537.9	499.6	463.7
-67.5°	679.7	656.5	631.2	605.0	579.2	550.3	518.6	486.1	455.7	424.4	397.5
-70°	566.1	549.3	529.6	506.2	482.7	459.1	434.9	409.4	381.7	353.7	332.0
-72.5°	471.5	459.1	443.8	424.4	403.6	382.8	361.4	338.7	314.4	288.3	267.6
-75°	389.4	380.2	368.4	351.3	333.0	313.6	294.7	274.1	250.4	223.7	202.7
-77.5°	312.8	307.0	299.5	285.4	271.1	256.8	240.2	216.0	192.0	169.3	153.8
-80°	234.6	232.0	227.5	215.8	203.8	191.6	178.2	159.8	142.2	125.8	113.2
-82.5°	154.7	151.9	148.2	141.0	134.0	127.3	120.4	108.0	95.9	84.1	73.8
-85°	78.4	76.1	73.8	72.6	71.2	69.6	67.5	60.4	53.6	47.1	41.4
-87.5°	22.7	22.7	22.7	22.9	23.1	23.2	23.2	21.4	19.8	18.1	16.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P627492 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-722-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°	1.1	1.1	1.0	1.0	0.9	0.8	0.8	0.7	0.7	0.6	0.5
85°	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.4	1.3	1.2	1.0
82.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.5
80°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
77.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
75°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
72.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
70°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.8	1.7	1.7	1.7
67.5°	1.7	1.7	1.7	1.8	1.7	1.7	1.7	2.1	2.2	1.7	1.7
65°	1.7	1.7	1.8	2.5	2.3	1.7	1.7	3.2	2.8	2.4	1.7
62.5°	3.3	1.7	4.4	5.8	3.8	3.0	2.5	7.0	4.5	3.2	2.3
60°	7.6	6.2	11.6	17.8	12.8	5.0	7.3	12.0	11.0	4.0	3.2
57.5°	38.6	17.6	26.0	33.9	32.3	18.2	14.7	20.4	18.6	10.9	4.3
55°	80.0	68.1	54.2	53.8	54.5	43.1	30.7	31.7	28.0	19.9	6.3
52.5°	121.6	117.9	104.9	85.5	78.5	70.9	58.0	44.9	41.6	29.8	15.7
50°	173.4	163.9	153.7	133.7	108.4	98.4	85.1	68.5	56.7	41.6	25.9
47.5°	232.6	216.1	200.7	181.4	153.6	127.5	112.6	92.9	73.2	57.1	36.3
45°	325.0	271.4	250.5	228.1	199.6	166.9	141.3	117.0	94.8	72.7	46.7
42.5°	419.9	345.3	301.6	276.4	246.5	209.7	171.0	143.8	116.2	88.2	59.0
40°	515.4	423.0	356.8	325.4	295.0	252.3	208.9	171.7	137.0	104.3	72.5
37.5°	618.6	510.1	420.4	376.3	344.3	298.2	247.5	200.3	158.4	121.8	85.8
35°	747.0	613.3	489.8	435.2	392.3	345.0	285.6	231.4	184.0	139.4	98.9
32.5°	891.5	727.2	589.1	499.4	441.0	392.7	326.2	266.4	210.3	157.0	111.8
30°	1035.1	844.5	683.3	563.0	492.8	437.3	369.5	301.6	237.2	174.5	124.8
27.5°	1144.8	945.7	771.5	639.5	550.1	481.7	412.6	337.0	264.5	193.8	139.2
25°	1256.7	1039.4	857.1	714.3	606.3	527.0	454.1	372.3	293.5	216.1	153.2
22.5°	1387.6	1128.4	929.3	781.9	665.8	573.0	493.6	408.2	322.9	238.1	166.8
20°	1515.5	1210.4	995.7	860.8	730.9	624.3	532.4	442.4	351.7	259.7	180.0
17.5°	1646.7	1325.7	1105.9	942.4	798.1	675.0	570.7	474.8	379.6	280.8	192.7
15°	1844.4	1479.8	1217.1	1023.1	863.0	724.7	608.2	505.3	406.5	301.2	203.9
12.5°	2030.7	1624.8	1325.0	1101.9	925.4	773.0	644.6	533.9	432.2	318.1	213.3
10°	2195.4	1759.8	1428.3	1177.9	984.6	819.2	679.5	556.4	447.4	331.6	221.7
7.5°	2338.6	1883.8	1525.8	1250.2	1035.1	850.6	697.3	568.1	458.9	343.4	229.1
5°	2448.3	1968.0	1579.3	1279.1	1054.1	864.9	710.0	577.6	468.1	353.6	235.5
2.5°	2484.5	1996.1	1600.5	1295.5	1067.9	875.2	719.8	584.9	475.1	361.9	240.8
0°	2501.2	2009.6	1611.4	1304.8	1076.5	881.5	726.5	589.9	479.9	368.3	245.0
-2.5°	2519.6	2028.1	1626.7	1319.3	1085.4	890.1	733.7	597.7	486.8	375.5	252.1
-5°	2518.3	2031.6	1631.6	1326.3	1088.9	894.7	737.8	603.3	491.8	380.8	257.9
-7.5°	2491.7	2015.9	1625.3	1324.9	1087.0	895.3	738.9	606.5	494.9	384.1	262.6
-10°	2444.1	1983.1	1607.0	1312.9	1079.8	891.4	737.1	607.5	496.1	385.5	265.9
-12.5°	2377.0	1936.6	1577.6	1293.3	1067.0	883.0	731.7	604.7	495.4	385.1	267.7
-15°	2290.8	1876.7	1536.9	1266.1	1048.4	870.6	723.1	598.8	491.1	382.3	268.1
-17.5°	2186.7	1804.0	1485.0	1231.4	1024.1	854.1	711.2	590.7	485.2	377.3	267.6
-20°	2090.0	1727.3	1425.1	1189.4	994.1	833.6	696.0	580.3	477.9	371.1	266.3

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CATALOG NUMBER: GFLD-SA4E-722-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°	1981.8	1647.8	1372.0	1149.1	962.3	809.2	677.5	567.7	469.2	363.8	263.9
-25°	1858.2	1557.6	1311.3	1104.3	931.4	785.8	658.6	552.9	459.2	355.5	260.4
-27.5°	1741.9	1464.6	1243.3	1052.6	895.6	758.8	639.8	539.3	447.7	346.2	255.8
-30°	1623.2	1383.6	1178.1	998.4	856.2	728.7	618.8	524.6	434.6	338.0	250.1
-32.5°	1502.6	1295.4	1108.3	951.5	818.0	696.4	595.7	508.9	421.1	330.0	245.4
-35°	1399.0	1208.5	1033.4	901.0	778.9	668.9	572.8	492.2	407.0	320.8	240.3
-37.5°	1288.7	1120.4	975.0	850.8	737.0	638.8	550.8	472.5	392.6	310.6	234.1
-40°	1189.9	1038.2	912.2	802.3	699.2	606.3	526.2	451.6	379.2	299.4	226.9
-42.5°	1089.3	963.5	850.9	750.1	661.2	576.5	499.5	429.2	361.7	289.0	218.6
-45°	1001.3	887.0	787.5	702.7	621.6	544.1	473.3	406.0	343.1	278.3	210.0
-47.5°	910.2	813.3	728.4	653.2	582.6	510.4	445.8	384.5	323.7	266.4	201.2
-50°	825.3	743.4	672.8	605.4	539.5	478.8	418.2	362.4	306.1	250.7	191.2
-52.5°	749.8	681.6	618.7	557.4	500.8	445.9	393.5	339.9	287.7	235.1	180.3
-55°	683.1	622.2	565.6	512.6	461.9	416.6	368.3	318.7	268.5	219.1	168.6
-57.5°	619.2	564.4	516.3	469.1	425.9	386.5	343.7	296.7	249.2	202.2	158.1
-60°	554.9	510.8	468.1	428.5	391.1	355.4	318.9	274.1	229.1	184.9	145.5
-62.5°	493.4	456.4	423.5	388.6	354.4	322.9	293.4	250.7	208.3	167.7	131.5
-65°	433.0	404.6	378.1	345.3	315.5	289.3	264.8	226.5	186.4	149.5	116.8
-67.5°	373.1	349.8	326.0	299.5	277.4	256.0	234.3	199.6	163.1	130.2	102.1
-70°	312.7	292.9	276.0	259.1	240.8	221.9	200.3	170.7	138.8	112.0	86.8
-72.5°	253.6	241.4	231.3	219.4	203.9	186.0	165.7	141.5	116.7	93.2	71.1
-75°	195.3	192.8	189.7	182.1	167.1	150.4	134.0	115.5	94.1	73.9	57.9
-77.5°	153.8	152.8	150.7	145.3	132.3	118.6	104.4	88.8	72.6	58.7	45.5
-80°	113.9	113.8	112.8	109.5	98.4	86.8	76.8	66.9	55.0	43.7	32.9
-82.5°	74.9	76.0	76.5	75.5	67.9	60.5	53.4	46.3	37.1	28.4	22.0
-85°	42.8	43.6	43.8	43.3	38.6	34.1	31.1	28.0	23.2	18.7	14.7
-87.5°	17.7	18.8	19.5	20.1	18.6	17.1	15.6	14.1	11.6	9.4	7.4
-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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CATALOG NUMBER: GFLD-SA4E-722-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°	0.4	0.4	0.3	0.2	0.1	0.1	0.0
85°	0.9	0.7	0.6	0.4	0.3	0.1	0.0
82.5°	1.3	1.1	0.9	0.7	0.4	0.2	0.0
80°	1.7	1.5	1.2	0.9	0.6	0.3	0.0
77.5°	1.7	1.7	1.5	1.1	0.7	0.4	0.0
75°	1.7	1.7	1.7	1.3	0.9	0.4	0.0
72.5°	1.7	1.7	1.7	1.5	1.0	0.5	0.0
70°	1.7	1.7	1.7	1.7	1.2	0.6	0.0
67.5°	1.8	1.7	1.7	1.7	1.3	0.7	0.0
65°	2.0	1.9	1.7	1.7	1.4	0.7	0.0
62.5°	2.3	2.3	1.7	1.7	1.6	0.8	0.0
60°	2.6	2.7	1.7	1.7	1.7	0.8	0.0
57.5°	4.5	3.2	2.2	1.7	1.7	0.9	0.0
55°	6.9	3.7	2.7	1.7	1.7	1.0	0.0
52.5°	9.6	4.6	3.2	1.7	1.8	1.0	0.0
50°	12.7	7.5	3.8	1.7	1.8	1.1	0.0
47.5°	17.0	10.6	4.3	1.8	1.8	1.1	0.0
45°	26.0	13.9	4.9	2.3	1.9	1.2	0.0
42.5°	35.0	17.3	5.6	2.7	1.9	1.3	0.0
40°	43.9	21.0	7.3	3.3	2.0	1.3	0.0
37.5°	52.8	24.8	10.2	4.0	2.1	1.3	0.0
35°	61.6	30.8	13.0	4.8	2.1	1.4	0.0
32.5°	70.9	37.8	15.9	5.7	2.2	1.4	0.0
30°	81.3	44.5	18.9	6.5	2.3	1.5	0.0
27.5°	91.4	51.1	22.2	7.5	2.4	1.5	0.0
25°	101.2	57.5	25.6	8.5	2.4	1.5	0.0
22.5°	110.5	63.6	28.8	9.5	2.5	1.6	0.0
20°	119.4	69.6	32.0	10.5	2.6	1.6	0.0
17.5°	127.6	75.3	35.1	11.6	2.7	1.6	0.0
15°	135.2	80.6	38.0	12.6	2.8	1.6	0.0
12.5°	142.1	85.4	40.7	13.7	2.9	1.7	0.0
10°	148.4	89.9	43.3	14.7	3.0	1.7	0.0
7.5°	154.0	93.9	45.8	15.7	3.1	1.7	0.0
5°	158.9	97.5	48.0	16.6	3.1	1.7	0.0
2.5°	163.1	100.7	50.0	17.5	3.2	1.7	0.0
0°	166.6	103.3	51.7	18.3	3.3	1.7	0.0
-2.5°	171.1	106.6	54.1	19.5	3.8	1.8	0.0
-5°	174.9	109.3	56.1	20.5	4.3	1.9	0.0
-7.5°	177.9	111.5	57.9	21.5	4.8	2.0	0.0
-10°	180.0	113.2	59.4	22.4	5.3	2.1	0.0
-12.5°	181.3	114.3	60.5	23.1	5.7	2.2	0.0
-15°	181.7	114.8	61.2	23.7	6.1	2.3	0.0
-17.5°	181.1	114.8	61.5	24.1	6.5	2.3	0.0
-20°	180.6	114.1	61.4	24.4	6.8	2.4	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	180.7	112.9	60.9	24.6	7.2	2.5	0.0
-25°	179.9	112.4	60.0	24.6	7.4	2.5	0.0
-27.5°	178.2	112.0	58.6	24.4	7.6	2.5	0.0
-30°	175.6	110.8	56.9	24.1	7.8	2.6	0.0
-32.5°	172.0	108.9	56.2	23.6	8.0	2.6	0.0
-35°	168.7	106.2	55.0	22.9	8.0	2.6	0.0
-37.5°	164.9	103.4	53.4	22.0	8.1	2.6	0.0
-40°	160.1	100.9	51.3	21.0	8.1	2.5	0.0
-42.5°	154.4	97.7	49.7	20.0	8.0	2.5	0.0
-45°	147.9	93.9	48.8	19.2	7.9	2.5	0.0
-47.5°	140.4	89.5	47.3	18.2	7.7	2.4	0.0
-50°	133.9	84.4	45.3	17.9	7.5	2.3	0.0
-52.5°	126.8	78.7	42.8	17.6	7.2	2.2	0.0
-55°	119.0	74.1	39.8	17.1	6.8	2.1	0.0
-57.5°	110.4	69.1	36.4	16.5	6.5	2.0	0.0
-60°	101.3	63.3	32.6	15.6	6.0	1.9	0.0
-62.5°	92.4	57.0	30.4	14.5	5.7	1.8	0.0
-65°	82.6	50.0	27.8	13.2	5.3	1.7	0.0
-67.5°	72.1	43.8	24.9	11.7	4.8	1.5	0.0
-70°	60.7	38.4	21.6	10.1	4.4	1.4	0.0
-72.5°	51.6	32.6	18.1	8.9	3.9	1.2	0.0
-75°	42.4	26.4	14.4	7.8	3.4	1.1	0.0
-77.5°	32.7	19.9	11.9	6.6	2.8	0.9	0.0
-80°	22.6	15.2	9.7	5.3	2.3	0.7	0.0
-82.5°	16.7	11.5	7.3	4.0	1.7	0.5	0.0
-85°	11.2	7.7	4.9	2.7	1.2	0.4	0.0
-87.5°	5.6	3.9	2.5	1.4	0.6	0.2	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)