

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: P627620 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA5C-727-U-VWR-VSR-XX

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-2019
Report Number: P627620 (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: 5/9/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA5C-727-U-VWR-VSR-XX
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N7 WITH VISOR
Light Source: (80) 2700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

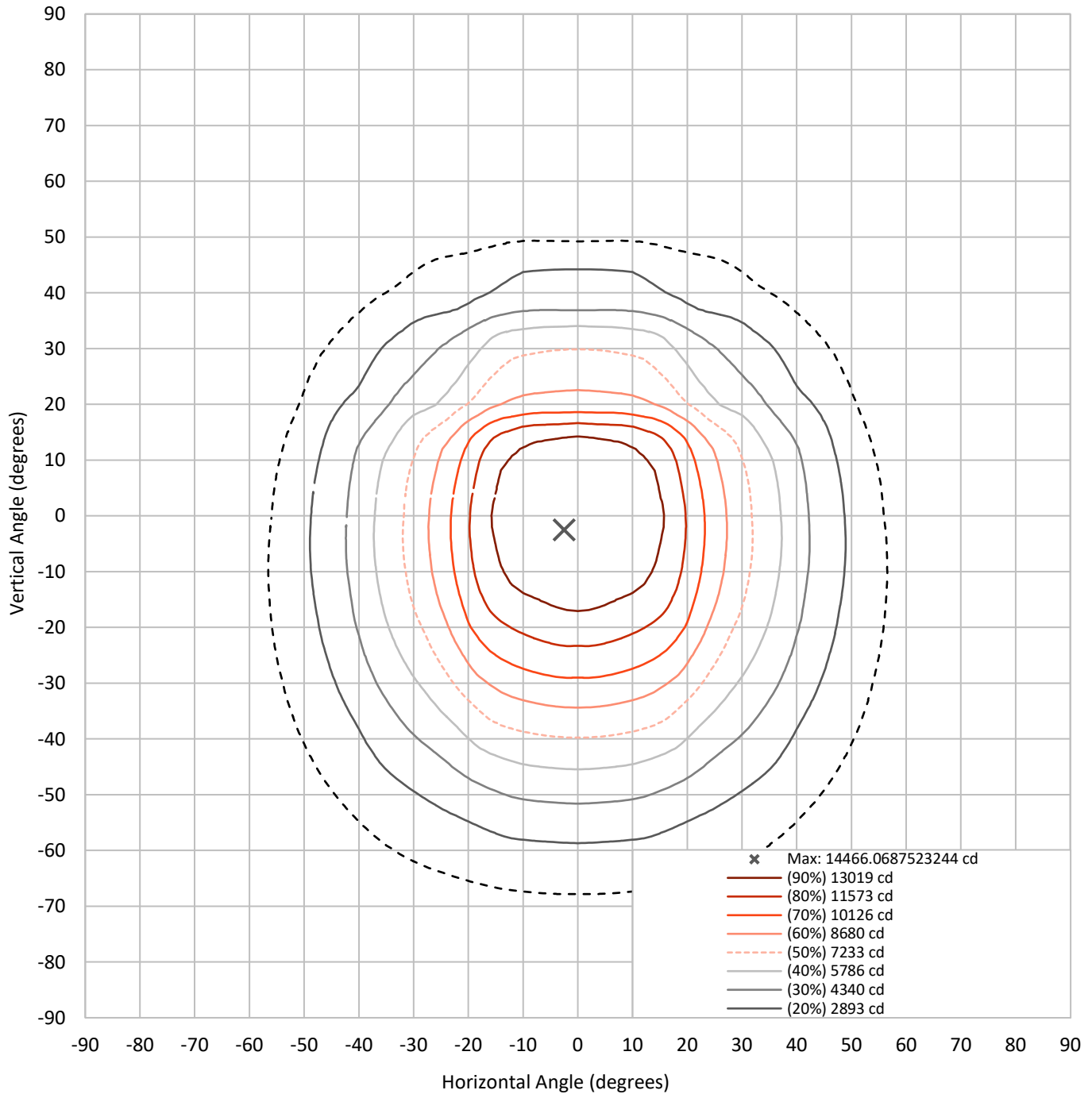
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	19305.4 lumens	Max Intensity:	14466.1 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x -2.5°V
Efficacy:	93.7 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	63.9°H x 69.6°V	Field Angle (10%):	112.5°H x 117.1°V
Beam Lumens:	11169.5 lumens	Field Lumens:	18319.7 lumens
Beam Efficiency:	57.9%	Field Efficiency:	94.9%
Input Watts (W):	206.13		
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-SA5C-727-U-VWR-VSR-XX

Iso-Candela Plot





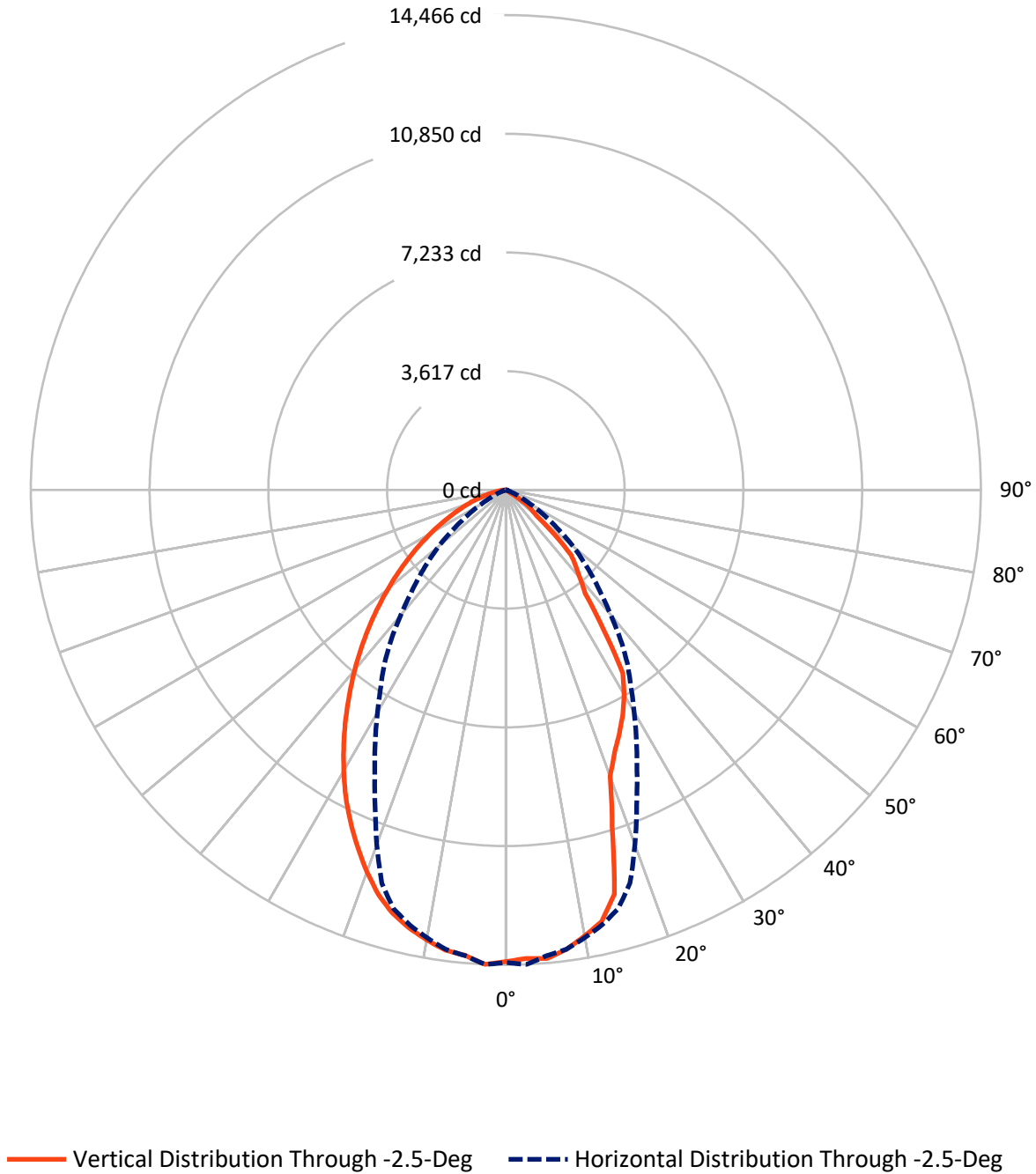
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Lumen Table

90																			
80	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1						
70																			
60	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1				
50		0.2	0.4	1.8	5.3	10.2	15.0	18.7	18.7	15.0	10.2	5.3	1.8	0.4		0.2			
40	0.3	0.4	2.1	9.9	23.9	43.1	63.6	77.9	77.9	63.6	43.1	23.9	9.9	2.1	0.4	0.3			
30		0.9	7.2	25.1	55.9	90.7	136.0	159.0	159.0	136.0	90.7	55.9	25.1	7.2	0.9				
20	0.6	2.1	13.9	44.4	90.2	142.9	214.4	246.4	246.4	214.4	142.9	90.2	44.4	13.9	2.1	0.6			
10		3.7	21.3	65.7	129.9	213.7	318.2	364.9	364.9	318.2	213.7	129.9	65.7	21.3	3.7				
0	1.0	5.0	27.6	78.1	155.3	255.4	375.7	426.4	426.4	375.7	255.4	155.3	78.1	27.6	5.0	1.0			
-10		5.9	30.5	81.1	159.5	261.3	378.5	428.0	428.0	378.5	261.3	159.5	81.1	30.5	5.9				
-20	1.2	6.2	29.8	76.8	150.4	244.6	351.3	396.9	396.9	351.3	244.6	150.4	76.8	29.8	6.2	1.2			
-30		5.6	26.1	67.0	129.9	208.0	294.5	333.6	333.6	294.5	208.0	129.9	67.0	26.1	5.6				
-40	1.2	4.7	20.8	52.6	102.2	160.4	224.9	254.6	254.6	224.9	160.4	102.2	52.6	20.8	4.7	1.2			
-50		3.8	15.4	37.5	73.2	112.8	155.7	176.7	176.7	155.7	112.8	73.2	37.5	15.4	3.8				
-60	0.9	2.8	10.1	24.1	45.5	70.0	95.2	108.5	108.5	95.2	70.0	45.5	24.1	10.1	2.8	0.9			
-70		2.0	6.1	14.1	25.0	37.1	49.2	55.7	55.7	49.2	37.1	25.0	14.1	6.1	2.0				
-80	0.3	4.5	20.8	45.4	50.7	45.4	20.8	4.5	0.3										
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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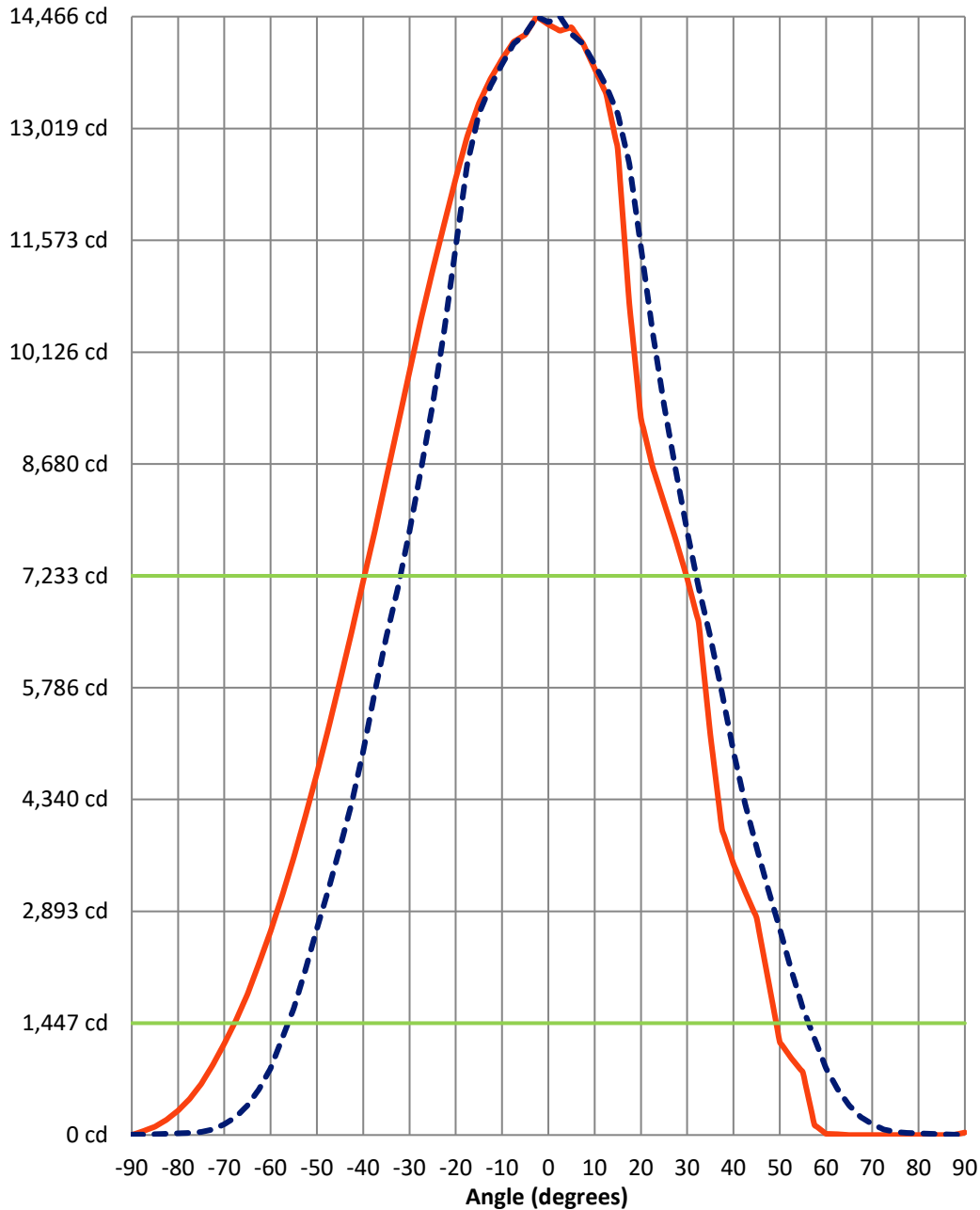
Luminous Intensity Polar Plot





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Luminous Intensity Plot



Beam:
 H Angle: 63.9°
 V Angle: 69.6°
 Lumens: 11169.5
 Efficiency: 57.9%

Field:
 H Angle: 112.5°
 V Angle: 117.1°
 Lumens: 18319.7
 Efficiency: 94.9%

Spill:
 Lumens: 985.8
 Efficiency: 5.1%

— Vertical Distribution through -2.5-Deg
 - - Horizontal Distribution through -2.5-Deg

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FIELD
BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	5.4	5.4	5.4	6.7	8.1	9.5	10.8	12.2	13.5	14.9	16.2
87.5°	5.4	5.4	5.4	5.2	4.9	4.5	4.0	2.8	1.8	0.8	0.0
85°	5.4	5.4	5.4	5.1	4.5	3.7	2.6	1.6	0.9	0.3	0.0
82.5°	5.4	5.4	5.4	4.9	4.0	2.8	1.3	0.4	0.1	0.8	1.4
80°	5.4	5.4	5.4	4.7	3.6	2.0	0.3	1.1	2.0	2.8	3.7
77.5°	5.4	5.4	5.4	4.6	3.2	1.8	1.7	2.7	3.8	4.9	4.9
75°	5.4	5.4	5.4	4.5	3.0	2.7	3.0	4.2	5.3	4.4	2.8
72.5°	5.4	5.4	5.4	4.4	3.4	3.5	4.3	5.3	4.6	3.1	0.9
70°	5.4	5.4	5.4	4.3	3.9	4.3	5.4	5.1	4.0	2.1	2.5
67.5°	5.4	5.4	5.4	4.5	4.3	5.0	5.6	5.0	3.5	4.2	4.8
65°	5.4	5.4	5.4	4.7	4.7	5.6	5.8	4.9	5.4	6.3	6.7
62.5°	5.4	5.4	5.4	4.8	5.1	6.0	6.1	6.1	7.3	8.2	7.5
60°	5.4	5.4	5.4	5.0	5.4	6.5	6.4	7.7	9.1	9.4	8.5
57.5°	5.4	5.4	5.5	5.1	5.9	7.0	7.7	9.3	10.7	10.8	10.6
55°	5.4	5.4	5.5	5.2	6.4	7.6	9.1	10.9	12.3	12.5	13.1
52.5°	5.4	5.4	5.6	5.3	7.0	8.3	10.4	12.5	14.1	14.9	15.7
50°	5.4	5.4	5.8	5.4	7.6	9.4	11.7	14.0	16.0	17.1	18.2
47.5°	5.4	5.4	5.9	5.5	8.2	10.4	13.0	15.6	18.0	19.4	20.7
45°	5.4	5.4	6.1	6.0	8.9	11.5	14.3	17.0	19.9	21.7	23.2
42.5°	5.4	5.4	6.2	6.5	9.6	12.5	15.5	18.7	21.9	23.9	28.2
40°	5.4	5.4	6.4	7.2	10.3	13.5	16.7	20.5	24.1	26.2	33.7
37.5°	5.4	5.4	6.6	7.9	11.1	14.5	17.9	22.4	26.3	29.7	39.2
35°	5.4	5.4	6.9	8.6	11.8	15.4	19.0	24.4	28.7	36.5	49.9
32.5°	5.4	5.4	7.1	9.3	12.6	16.4	20.3	26.4	31.2	44.5	71.3
30°	5.4	5.4	7.4	10.0	13.3	17.2	21.9	28.5	33.7	53.6	92.0
27.5°	5.4	5.4	7.6	10.6	14.1	18.1	23.5	30.6	38.2	63.7	112.1
25°	5.4	5.4	7.9	11.2	15.0	18.8	25.1	32.7	46.0	78.5	131.7
22.5°	5.4	5.4	8.2	11.8	15.8	19.7	26.7	34.8	54.3	94.7	157.7
20°	5.4	5.4	8.5	12.4	16.6	20.7	28.2	36.9	62.8	110.2	183.6
17.5°	5.4	5.4	8.8	13.0	17.3	21.6	29.8	39.0	71.5	124.7	209.0
15°	5.4	5.4	9.1	13.5	18.0	22.5	31.3	41.7	80.2	138.3	233.6
12.5°	5.4	5.4	9.4	14.1	18.7	23.4	32.6	45.5	90.0	150.9	257.3
10°	5.4	5.4	9.7	14.5	19.4	24.2	33.9	49.4	100.3	165.6	280.9
7.5°	5.4	5.4	10.0	15.0	20.0	25.0	35.1	53.4	110.1	179.9	305.9
5°	5.4	5.4	10.3	15.4	20.6	25.7	36.1	57.4	119.2	193.1	328.8
2.5°	5.4	5.4	10.6	15.8	21.1	26.4	37.0	61.2	127.6	205.2	349.4
0°	5.4	5.4	10.8	16.2	21.6	27.0	37.8	64.8	135.0	216.0	367.2
-2.5°	5.4	5.4	10.8	16.2	21.6	27.0	37.8	64.8	135.0	216.0	367.2
-5°	5.4	5.4	10.8	16.1	22.5	28.1	41.8	77.4	144.7	248.0	396.4
-7.5°	5.4	5.4	10.7	16.1	22.8	28.6	43.5	82.7	148.0	260.2	406.7
-10°	5.4	5.4	10.6	16.0	23.0	29.0	44.9	87.1	150.5	269.0	414.3
-12.5°	5.4	5.4	10.5	15.8	23.2	29.3	45.9	90.3	152.2	273.6	420.2
-15°	5.4	5.4	10.4	15.6	23.3	29.6	46.6	92.3	155.4	273.1	422.4
-17.5°	5.4	5.4	10.3	15.4	23.3	29.9	46.8	94.3	160.1	270.4	419.7
-20°	5.4	5.4	10.1	15.2	23.1	30.0	48.0	96.2	163.1	265.4	412.0

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CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	5.4	5.4	10.0	15.0	22.8	30.2	51.1	97.0	164.4	258.3	398.9
-25°	5.4	5.4	9.8	14.7	22.4	32.1	53.7	96.7	164.0	249.2	380.3
-27.5°	5.4	5.4	9.6	14.4	21.9	34.7	55.6	95.3	161.6	241.4	366.6
-30°	5.4	5.4	9.4	14.0	21.3	36.8	57.0	92.6	158.6	237.9	351.2
-32.5°	5.4	5.4	9.1	13.7	22.1	38.6	57.7	92.8	154.8	231.9	333.9
-35°	5.4	5.4	8.8	13.3	22.7	40.0	59.3	93.3	149.4	223.6	314.7
-37.5°	5.4	5.4	8.6	12.8	23.1	40.9	60.8	92.9	142.5	212.7	306.1
-40°	5.4	5.4	8.3	12.4	23.2	41.2	61.8	91.7	134.1	202.3	296.5
-42.5°	5.4	5.4	8.0	12.1	23.4	41.2	62.1	89.6	129.3	193.9	281.8
-45°	5.4	5.4	7.6	12.2	23.5	40.9	61.8	87.7	125.8	183.6	263.3
-47.5°	5.4	5.4	7.3	12.1	23.4	40.3	60.9	86.4	121.3	171.2	248.7
-50°	5.4	5.4	6.9	12.0	22.9	39.4	59.6	84.3	117.7	166.8	231.4
-52.5°	5.4	5.4	6.6	11.7	22.2	38.2	57.9	81.3	114.6	160.9	212.8
-55°	5.4	5.4	6.2	11.4	21.3	36.6	55.9	77.6	110.9	153.6	203.9
-57.5°	5.4	5.4	5.8	11.0	20.1	34.6	53.4	74.4	105.7	145.9	193.4
-60°	5.4	5.4	5.4	10.5	18.7	32.2	50.4	70.7	99.1	136.8	181.3
-62.5°	5.4	5.4	5.4	9.9	17.7	29.5	46.4	65.9	90.8	126.0	167.2
-65°	5.4	5.4	5.4	9.3	16.5	26.4	41.8	59.7	80.9	111.8	151.1
-67.5°	5.4	5.4	5.4	8.6	15.2	23.8	36.8	52.4	69.4	95.2	129.9
-70°	5.4	5.4	5.4	7.8	13.8	21.6	31.3	44.7	59.5	76.8	105.0
-72.5°	5.4	5.4	5.4	7.6	12.3	19.2	27.6	36.5	49.1	63.7	80.3
-75°	5.4	5.4	5.4	7.6	10.8	16.8	24.1	30.8	38.2	50.2	63.9
-77.5°	5.4	5.4	5.4	7.5	10.2	14.2	20.3	25.9	31.7	38.0	46.8
-80°	5.4	5.4	5.4	7.4	9.8	12.8	16.4	20.9	25.5	30.6	36.1
-82.5°	5.4	5.4	5.4	7.2	9.4	12.0	14.9	16.9	19.3	23.1	27.2
-85°	5.4	5.4	5.4	7.1	9.0	11.2	13.5	15.4	17.2	18.9	20.7
-87.5°	5.4	5.4	5.4	6.9	8.6	10.3	12.2	13.8	15.3	16.9	18.5
-90°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	4.0	2.7	1.3	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°	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	17.6	18.9	20.3
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	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	1.6	1.4	0.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	3.6	2.9	1.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	3.1	1.6	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	1.1	0.1	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.9	1.5	1.4	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	3.1	3.3	2.2	0.9	0.0	0.3	0.8	0.6	0.0	0.3	0.7
67.5°	5.0	3.7	2.4	1.5	2.0	2.7	2.5	2.7	2.9	3.2	2.7
65°	5.3	4.0	4.0	4.7	5.3	5.8	6.3	6.7	5.6	4.9	5.0
62.5°	5.6	6.1	7.0	7.9	8.7	9.4	9.4	8.4	6.4	8.0	9.2
60°	8.0	8.8	10.0	11.0	12.1	12.7	12.1	12.3	13.6	15.8	30.3
57.5°	10.8	11.5	12.9	14.6	16.1	16.3	16.8	18.3	42.8	69.9	77.2
55°	13.6	14.2	16.5	19.2	20.8	20.6	29.6	62.4	94.2	130.6	143.9
52.5°	16.4	17.6	21.5	24.7	26.7	41.6	75.0	119.6	166.5	208.2	262.1
50°	19.2	23.1	27.1	31.9	50.8	89.7	138.5	199.3	270.1	336.7	405.0
47.5°	24.0	28.9	35.1	50.3	100.2	154.2	221.7	319.5	406.8	487.4	581.0
45°	29.7	39.9	46.7	99.5	157.5	227.2	341.5	461.1	540.3	648.2	813.8
42.5°	35.6	55.3	89.2	150.3	221.0	333.3	475.1	577.0	682.4	857.3	1031.4
40°	51.2	74.1	134.6	207.2	296.8	460.6	606.2	721.6	865.4	1059.3	1241.1
37.5°	70.1	113.1	180.9	268.0	415.8	595.3	751.2	916.0	1081.4	1264.2	1601.4
35°	91.2	149.3	239.5	357.1	534.8	744.7	930.5	1114.7	1305.3	1665.3	1999.8
32.5°	118.7	182.6	300.8	460.6	663.5	893.9	1109.6	1322.5	1628.2	2035.6	2371.3
30°	148.2	236.1	371.4	556.5	784.6	1030.5	1289.9	1547.7	1952.2	2289.4	2653.8
27.5°	179.1	292.7	454.1	656.6	898.1	1159.4	1452.2	1819.9	2180.7	2513.8	2914.3
25°	210.8	351.6	529.8	752.4	1009.7	1298.8	1635.5	2083.4	2365.7	2733.8	3151.6
22.5°	251.6	408.0	604.7	839.1	1113.1	1442.0	1871.4	2321.2	2653.4	2963.0	3371.2
20°	298.8	471.4	686.2	947.9	1214.5	1581.9	2105.9	2579.0	2969.8	3324.3	3699.2
17.5°	342.8	530.7	773.4	1058.9	1361.9	1761.1	2336.1	2859.6	3289.7	3684.8	4152.8
15°	383.6	585.6	858.8	1164.0	1506.9	1966.4	2542.4	3117.5	3608.5	4053.1	4584.9
12.5°	420.8	635.8	941.1	1262.4	1643.3	2143.5	2715.7	3277.0	3816.7	4396.0	4999.5
10°	454.4	680.8	1018.8	1353.2	1769.9	2293.2	2858.9	3410.1	3954.6	4567.6	5238.1
7.5°	490.4	723.0	1089.3	1435.7	1885.0	2416.9	2973.3	3516.8	4065.9	4704.8	5393.2
5°	523.7	761.7	1145.3	1494.8	1974.0	2513.4	3059.4	3597.9	4150.5	4807.1	5510.6
2.5°	553.0	794.4	1191.0	1541.2	2039.9	2584.4	3115.4	3665.5	4213.2	4890.2	5600.3
0°	577.8	820.8	1225.8	1576.8	2089.8	2635.2	3148.3	3709.9	4249.9	4946.5	5659.3
-2.5°	593.7	864.1	1249.7	1638.9	2133.4	2668.5	3177.7	3722.3	4289.4	4964.3	5725.5
-5°	604.8	899.2	1264.1	1686.8	2161.9	2683.2	3187.4	3712.7	4299.9	4959.8	5735.3
-7.5°	611.3	924.0	1270.9	1714.0	2171.9	2674.3	3171.0	3694.4	4282.7	4942.9	5692.4
-10°	615.1	931.8	1280.0	1705.8	2158.7	2645.4	3134.5	3651.5	4233.7	4887.6	5610.9
-12.5°	625.2	926.8	1278.5	1687.6	2130.3	2601.7	3080.3	3583.6	4152.1	4793.5	5498.3
-15°	627.8	915.7	1263.1	1660.9	2086.9	2544.5	3009.4	3490.5	4051.4	4701.7	5373.7
-17.5°	622.1	898.9	1233.2	1626.8	2028.8	2475.1	2925.8	3406.6	3957.0	4595.8	5242.9
-20°	607.7	877.1	1188.0	1586.5	1959.8	2398.1	2842.2	3318.6	3848.5	4448.9	5096.5

Classified

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

Scaled Data Report



REPORT NUMBER: P627620 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA5C-727-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°	584.0	850.8	1139.1	1530.3	1900.2	2309.6	2744.2	3198.7	3712.5	4258.4	4899.8
-25°	559.6	821.1	1100.6	1453.1	1828.5	2206.3	2631.5	3052.1	3552.7	4088.9	4658.0
-27.5°	536.4	779.6	1060.6	1368.5	1744.2	2095.9	2504.2	2914.4	3373.0	3898.5	4422.5
-30°	506.1	734.7	1011.7	1287.1	1643.3	1992.0	2362.2	2765.9	3178.2	3677.0	4192.5
-32.5°	479.3	688.2	956.0	1225.1	1534.8	1875.0	2209.0	2593.8	2996.2	3421.4	3930.9
-35°	461.4	660.6	897.0	1153.5	1424.2	1747.7	2065.4	2399.7	2789.4	3188.5	3635.8
-37.5°	446.9	628.9	834.9	1078.9	1336.5	1614.2	1911.6	2219.2	2559.2	2961.5	3382.2
-40°	424.1	593.2	788.9	1007.8	1235.1	1487.5	1763.6	2042.1	2336.9	2729.8	3144.8
-42.5°	394.9	558.7	745.6	930.4	1138.0	1368.5	1613.9	1876.1	2159.4	2500.8	2882.2
-45°	372.4	514.5	697.4	862.9	1034.8	1245.6	1476.0	1713.5	1980.8	2273.8	2616.4
-47.5°	343.8	466.5	634.3	789.0	940.5	1120.4	1331.2	1556.0	1792.6	2056.7	2337.5
-50°	313.3	426.5	557.2	707.8	852.2	1001.9	1181.6	1389.5	1604.3	1834.4	2084.9
-52.5°	290.1	379.6	499.0	624.3	762.0	897.7	1050.7	1229.0	1420.8	1613.1	1833.5
-55°	263.9	345.2	443.5	555.9	673.1	798.7	938.0	1094.2	1250.5	1427.2	1603.0
-57.5°	245.4	312.0	397.2	494.9	600.1	706.9	838.4	970.4	1115.1	1261.3	1407.2
-60°	231.0	283.3	354.0	440.0	533.8	633.6	741.6	863.5	988.1	1107.4	1233.5
-62.5°	214.5	260.0	315.3	385.4	470.2	557.0	652.1	756.5	869.3	969.8	1067.5
-65°	193.2	232.7	280.1	337.2	403.8	477.2	558.2	646.3	743.7	825.2	905.1
-67.5°	168.7	201.9	241.7	288.4	343.9	401.2	460.6	535.1	614.2	680.7	745.8
-70°	137.8	168.6	201.2	239.2	282.7	331.2	383.6	437.6	491.8	546.1	605.6
-72.5°	105.5	133.5	161.1	188.2	222.9	262.7	305.3	350.7	398.0	444.4	489.6
-75°	80.4	98.6	122.7	147.2	171.2	197.1	226.0	262.1	306.0	351.1	392.4
-77.5°	60.7	76.0	92.0	108.9	124.1	143.2	164.0	186.4	222.7	264.3	306.3
-80°	43.8	53.0	65.7	79.3	90.0	100.5	111.4	122.8	149.7	183.3	219.0
-82.5°	32.5	38.8	45.9	53.7	59.1	64.3	70.2	77.7	97.7	120.3	144.2
-85°	22.4	24.2	28.1	32.4	35.5	38.5	41.6	44.8	55.6	67.7	80.7
-87.5°	19.3	20.2	21.3	22.4	22.8	23.1	23.5	23.8	27.5	31.3	35.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P627620 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5C-727-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	21.6	23.0	24.3	25.7	27.0	28.4	29.7	31.1	32.4	32.4	32.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.5	0.0	0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	2.5	2.8	2.8	2.2	1.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	5.7	5.4	4.0	2.6	1.3	2.0	3.3	3.9	3.9	3.5	2.7
62.5°	8.6	7.9	7.1	8.2	9.8	11.4	10.9	10.3	9.6	9.1	9.5
60°	31.9	21.3	24.6	30.9	28.9	19.8	32.5	36.8	31.4	21.5	20.7
57.5°	80.9	78.1	89.5	130.7	143.9	131.1	156.7	190.2	189.2	162.9	162.1
55°	172.4	231.4	302.5	314.0	363.5	462.7	540.0	506.1	505.9	531.4	613.4
52.5°	327.6	383.2	403.9	459.1	562.6	637.7	685.9	735.9	790.6	846.5	903.1
50°	480.7	534.7	596.0	652.6	795.8	872.9	860.0	963.5	1095.9	1178.6	1221.1
47.5°	705.1	790.2	919.7	1122.7	1229.6	1306.9	1403.0	1520.2	1671.9	1877.6	2036.1
45°	969.3	1103.2	1303.6	1519.2	1685.1	1760.7	1870.6	2052.1	2294.0	2529.5	2701.5
42.5°	1185.3	1368.9	1595.0	1801.0	1936.3	2060.4	2202.8	2355.8	2632.9	2884.5	3083.3
40°	1467.1	1610.1	1863.8	2058.0	2179.1	2302.2	2527.8	2756.9	3017.4	3251.8	3414.7
37.5°	1824.3	1985.2	2249.1	2468.8	2585.4	2628.9	3012.6	3331.5	3543.3	3842.5	3940.3
35°	2208.0	2472.9	2809.2	3094.0	3208.4	3436.6	3831.9	4276.8	4758.9	4936.2	5087.3
32.5°	2636.2	2963.0	3419.3	3724.9	3888.1	4234.4	4734.7	5209.6	5839.9	6182.0	6284.3
30°	3027.8	3402.9	3795.1	4092.1	4371.1	4788.2	5244.4	5830.0	6412.8	6850.2	6986.0
27.5°	3315.3	3730.3	4107.3	4385.5	4700.2	5149.9	5718.8	6311.8	6883.9	7330.1	7488.7
25°	3589.7	4058.7	4357.2	4680.7	5050.3	5540.4	6170.8	6829.6	7393.1	7770.3	7964.8
22.5°	3901.8	4364.2	4684.6	4958.6	5441.9	6006.6	6591.8	7336.3	7933.3	8234.3	8445.1
20°	4223.9	4747.1	5242.0	5496.9	5915.1	6630.1	7285.1	7988.0	8564.5	8878.2	9100.2
17.5°	4673.3	5340.1	5947.1	6308.0	6755.8	7610.8	8428.1	9139.1	9941.2	10224.5	10495.9
15°	5147.2	5918.9	6630.0	7201.8	7780.2	8627.3	9679.5	10537.5	11452.6	11861.4	12323.4
12.5°	5619.5	6349.8	6994.1	7731.7	8546.9	9296.3	10298.0	11366.4	12196.8	12718.1	13029.1
10°	5972.6	6650.9	7270.9	8010.2	8823.9	9671.7	10667.0	11762.2	12631.5	13076.3	13330.2
7.5°	6163.2	6812.4	7466.3	8215.6	9025.7	9928.5	10954.1	12040.6	12929.5	13360.4	13611.1
5°	6304.8	6928.2	7605.4	8394.1	9213.2	10128.6	11152.8	12226.4	13036.9	13494.8	13811.8
2.5°	6390.5	7001.7	7694.0	8509.5	9330.6	10284.0	11357.6	12470.5	13179.7	13548.1	13839.6
0°	6415.3	7030.9	7743.7	8569.9	9412.4	10373.6	11437.4	12539.0	13257.2	13613.6	13910.6
-2.5°	6443.3	7077.1	7809.4	8609.1	9444.4	10402.9	11488.8	12562.2	13208.3	13567.9	13850.4
-5°	6423.8	7080.7	7810.8	8576.7	9417.5	10368.4	11410.8	12414.5	13090.3	13479.1	13760.0
-7.5°	6365.6	7031.9	7754.5	8490.5	9315.3	10277.0	11315.0	12281.5	12966.1	13376.1	13683.5
-10°	6281.0	6927.9	7655.4	8400.9	9215.8	10131.2	11153.3	12114.0	12769.2	13204.6	13562.9
-12.5°	6187.3	6820.7	7522.0	8237.0	9043.0	9947.1	10937.4	11846.8	12498.2	12973.0	13229.0
-15°	6048.4	6681.4	7351.9	8043.5	8829.1	9706.2	10652.2	11524.7	12164.3	12550.7	12833.6
-17.5°	5871.7	6492.8	7128.4	7784.4	8524.5	9388.3	10340.1	11200.5	11722.0	12067.0	12345.1
-20°	5682.5	6256.8	6859.0	7478.0	8195.3	9051.0	9985.7	10736.3	11227.8	11559.3	11821.9



REPORT NUMBER: P627620 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5C-727-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°	5466.3	6019.4	6570.6	7162.4	7865.7	8650.2	9475.9	10201.2	10729.6	11031.6	11274.2
-25°	5219.6	5757.6	6281.1	6852.6	7499.0	8204.1	8971.8	9684.6	10157.9	10478.7	10719.3
-27.5°	4953.8	5459.3	5970.6	6483.9	7065.0	7767.6	8478.5	9140.7	9544.7	9868.0	10110.1
-30°	4688.6	5143.3	5616.3	6102.2	6647.6	7281.1	7946.1	8502.9	8928.9	9243.1	9467.9
-32.5°	4401.1	4832.6	5251.7	5705.8	6219.3	6777.6	7361.2	7890.8	8346.1	8633.8	8823.2
-35°	4106.7	4524.4	4908.0	5320.2	5773.1	6254.9	6793.6	7315.9	7765.5	7993.2	8177.8
-37.5°	3800.0	4216.5	4580.2	4924.5	5314.7	5760.9	6285.6	6784.0	7172.4	7368.1	7534.4
-40°	3533.3	3900.0	4227.4	4556.9	4874.1	5270.3	5760.0	6242.5	6554.1	6744.8	6899.4
-42.5°	3274.5	3583.8	3851.9	4147.2	4464.7	4855.4	5250.4	5655.0	5905.5	6117.2	6280.0
-45°	2972.9	3249.4	3500.8	3746.5	4036.1	4392.7	4751.6	5075.6	5310.2	5514.8	5673.4
-47.5°	2639.5	2906.4	3150.5	3370.2	3639.3	3936.7	4238.9	4508.6	4740.3	4942.4	5083.9
-50°	2328.7	2567.1	2805.5	3027.9	3261.1	3501.7	3746.8	3983.5	4203.4	4399.9	4520.3
-52.5°	2050.3	2270.3	2478.6	2673.0	2877.1	3080.4	3283.4	3500.2	3702.5	3888.5	3984.6
-55°	1798.4	1996.8	2184.7	2348.5	2512.2	2673.4	2847.5	3047.6	3234.0	3406.2	3475.2
-57.5°	1572.3	1742.0	1908.4	2046.9	2180.5	2308.8	2461.5	2630.5	2793.6	2941.2	2997.7
-60°	1364.3	1499.0	1638.1	1761.0	1877.5	1987.4	2120.7	2256.7	2389.0	2500.2	2548.3
-62.5°	1173.0	1288.2	1393.6	1493.4	1592.1	1691.2	1798.7	1906.6	2013.4	2099.1	2142.5
-65°	988.5	1080.3	1165.0	1247.0	1326.7	1409.9	1494.1	1576.1	1655.2	1716.4	1754.0
-67.5°	815.4	885.1	952.3	1016.3	1083.0	1150.4	1216.2	1279.0	1338.4	1385.8	1421.8
-70°	661.9	715.9	768.5	821.4	877.1	929.5	979.1	1026.1	1070.3	1104.4	1132.1
-72.5°	533.5	577.3	622.7	670.5	715.4	754.6	790.2	824.6	857.5	876.8	891.2
-75°	430.1	467.0	506.5	545.1	582.7	612.5	638.6	664.0	688.3	689.6	684.7
-77.5°	347.5	380.4	411.0	441.3	471.3	489.7	505.7	522.2	538.9	529.2	514.0
-80°	255.0	282.5	308.4	334.5	360.6	371.5	379.1	385.6	391.2	378.6	363.0
-82.5°	169.2	186.5	203.4	220.6	238.0	245.0	250.2	254.4	257.8	246.4	233.3
-85°	94.4	102.7	110.9	119.1	127.4	132.3	136.7	140.8	144.5	137.7	130.1
-87.5°	39.3	41.2	43.0	44.8	46.6	48.3	50.0	51.6	53.3	53.5	53.7
-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: P627620 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5C-727-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°	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	31.1
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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1.6	0.3	0.0	0.0	0.0	0.3	1.6	2.7	3.5	3.9	3.9
62.5°	9.9	10.3	10.7	10.8	10.7	10.3	9.9	9.5	9.1	9.6	10.3
60°	19.1	16.7	16.1	16.2	16.1	16.7	19.1	20.7	21.5	31.4	36.8
57.5°	149.7	128.1	131.4	145.8	131.4	128.1	149.7	162.1	162.9	189.2	190.2
55°	699.6	780.9	809.7	793.8	809.7	780.9	699.6	613.4	531.4	505.9	506.1
52.5°	947.8	981.2	994.1	993.6	994.1	981.2	947.8	903.1	846.5	790.6	735.9
50°	1233.9	1222.6	1205.3	1188.0	1205.3	1222.6	1233.9	1221.1	1178.6	1095.9	963.5
47.5°	2059.3	2023.6	2008.5	2035.8	2008.5	2023.6	2059.3	2036.1	1877.6	1671.9	1520.2
45°	2736.5	2778.3	2809.6	2808.0	2809.6	2778.3	2736.5	2701.5	2529.5	2294.0	2052.1
42.5°	3122.3	3144.5	3151.0	3142.9	3151.0	3144.5	3122.3	3083.3	2884.5	2632.9	2355.8
40°	3465.9	3492.5	3507.4	3520.9	3507.4	3492.5	3465.9	3414.7	3251.8	3017.4	2756.9
37.5°	3972.6	3982.3	3961.1	3947.5	3961.1	3982.3	3972.6	3940.3	3842.5	3543.3	3331.5
35°	5214.7	5240.2	5181.3	5243.5	5181.3	5240.2	5214.7	5087.3	4936.2	4758.9	4276.8
32.5°	6406.0	6525.3	6621.7	6701.5	6621.7	6525.3	6406.0	6284.3	6182.0	5839.9	5209.6
30°	7080.9	7157.8	7199.1	7209.1	7199.1	7157.8	7080.9	6986.0	6850.2	6412.8	5830.0
27.5°	7576.3	7657.0	7707.2	7743.7	7707.2	7657.0	7576.3	7488.7	7330.1	6883.9	6311.8
25°	8053.9	8127.6	8177.8	8197.3	8177.8	8127.6	8053.9	7964.8	7770.3	7393.1	6829.6
22.5°	8549.4	8600.6	8648.8	8672.5	8648.8	8600.6	8549.4	8445.1	8234.3	7933.3	7336.3
20°	9259.8	9232.0	9276.0	9261.2	9276.0	9232.0	9259.8	9100.2	8878.2	8564.5	7988.0
17.5°	10707.5	10722.5	10751.9	10800.2	10751.9	10722.5	10707.5	10495.9	10224.5	9941.2	9139.1
15°	12528.1	12564.7	12750.9	12917.0	12750.9	12564.7	12528.1	12323.4	11861.4	11452.6	10537.5
12.5°	13317.8	13444.5	13464.2	13511.0	13464.2	13444.5	13317.8	13029.1	12718.1	12196.8	11366.4
10°	13581.3	13800.8	13796.1	13851.2	13796.1	13800.8	13581.3	13330.2	13076.3	12631.5	11762.2
7.5°	13781.2	14017.0	14116.6	14159.0	14116.6	14017.0	13781.2	13611.1	13360.4	12929.5	12040.6
5°	14025.4	14155.0	14327.0	14277.8	14327.0	14155.0	14025.4	13811.8	13494.8	13036.9	12226.4
2.5°	14127.7	14330.8	14283.9	14331.8	14283.9	14330.8	14127.7	13839.6	13548.1	13179.7	12470.5
0°	14196.8	14342.6	14364.2	14412.8	14364.2	14342.6	14196.8	13910.6	13613.6	13257.2	12539.0
-2.5°	14113.0	14241.4	14466.1	14396.6	14466.1	14241.4	14113.0	13850.4	13567.9	13208.3	12562.2
-5°	14039.7	14355.4	14232.8	14385.8	14232.8	14355.4	14039.7	13760.0	13479.1	13090.3	12414.5
-7.5°	14001.7	14058.2	14139.6	14256.2	14139.6	14058.2	14001.7	13683.5	13376.1	12966.1	12281.5
-10°	13708.6	13766.4	13916.0	13997.0	13916.0	13766.4	13708.6	13562.9	13204.6	12769.2	12114.0
-12.5°	13390.8	13502.6	13659.7	13710.8	13659.7	13502.6	13390.8	13229.0	12973.0	12498.2	11846.8
-15°	13024.6	13190.7	13343.9	13376.0	13343.9	13190.7	13024.6	12833.6	12550.7	12164.3	11524.7
-17.5°	12559.0	12758.2	12919.1	12954.8	12919.1	12758.2	12559.0	12345.1	12067.0	11722.0	11200.5
-20°	12045.9	12236.7	12373.6	12414.8	12373.6	12236.7	12045.9	11821.9	11559.3	11227.8	10736.3

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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	11496.6	11668.4	11784.1	11766.8	11784.1	11668.4	11496.6	11274.2	11031.6	10729.6	10201.2
-25°	10913.4	11072.9	11183.1	11167.4	11183.1	11072.9	10913.4	10719.3	10478.7	10157.9	9684.6
-27.5°	10296.9	10447.9	10553.8	10557.2	10553.8	10447.9	10296.9	10110.1	9868.0	9544.7	9140.7
-30°	9649.0	9786.2	9872.2	9839.0	9872.2	9786.2	9649.0	9467.9	9243.1	8928.9	8502.9
-32.5°	8980.8	9104.9	9183.7	9207.2	9183.7	9104.9	8980.8	8823.2	8633.8	8346.1	7890.8
-35°	8321.6	8431.0	8499.1	8515.9	8499.1	8431.0	8321.6	8177.8	7993.2	7765.5	7315.9
-37.5°	7666.8	7760.9	7808.4	7786.9	7808.4	7760.9	7666.8	7534.4	7368.1	7172.4	6784.0
-40°	7019.7	7109.3	7163.7	7176.7	7163.7	7109.3	7019.7	6899.4	6744.8	6554.1	6242.5
-42.5°	6383.4	6457.9	6505.7	6528.7	6505.7	6457.9	6383.4	6280.0	6117.2	5905.5	5655.0
-45°	5765.9	5832.5	5877.4	5902.3	5877.4	5832.5	5765.9	5673.4	5514.8	5310.2	5075.6
-47.5°	5165.1	5223.5	5262.3	5281.3	5262.3	5223.5	5165.1	5083.9	4942.4	4740.3	4508.6
-50°	4590.7	4641.3	4677.3	4698.1	4677.3	4641.3	4590.7	4520.3	4399.9	4203.4	3983.5
-52.5°	4045.8	4090.0	4120.8	4136.5	4120.8	4090.0	4045.8	3984.6	3888.5	3702.5	3500.2
-55°	3525.6	3561.4	3589.9	3607.3	3589.9	3561.4	3525.6	3475.2	3406.2	3234.0	3047.6
-57.5°	3040.5	3069.7	3096.7	3115.9	3096.7	3069.7	3040.5	2997.7	2941.2	2793.6	2630.5
-60°	2586.2	2613.9	2636.8	2651.4	2636.8	2613.9	2586.2	2548.3	2500.2	2389.0	2256.7
-62.5°	2176.4	2200.9	2221.9	2235.6	2221.9	2200.9	2176.4	2142.5	2099.1	2013.4	1906.6
-65°	1783.6	1805.5	1821.2	1830.6	1821.2	1805.5	1783.6	1754.0	1716.4	1655.2	1576.1
-67.5°	1452.4	1477.7	1482.7	1479.6	1482.7	1477.7	1452.4	1421.8	1385.8	1338.4	1279.0
-70°	1156.8	1178.3	1183.3	1182.6	1183.3	1178.3	1156.8	1132.1	1104.4	1070.3	1026.1
-72.5°	904.6	916.2	906.3	891.0	906.3	916.2	904.6	891.2	876.8	857.5	824.6
-75°	678.8	671.3	660.8	648.0	660.8	671.3	678.8	684.7	689.6	688.3	664.0
-77.5°	497.1	478.7	466.7	453.6	466.7	478.7	497.1	514.0	529.2	538.9	522.2
-80°	346.1	328.1	315.7	302.4	315.7	328.1	346.1	363.0	378.6	391.2	385.6
-82.5°	219.3	204.4	196.9	189.0	196.9	204.4	219.3	233.3	246.4	257.8	254.4
-85°	121.8	113.0	107.9	102.6	107.9	113.0	121.8	130.1	137.7	144.5	140.8
-87.5°	53.8	53.9	51.3	48.6	51.3	53.9	53.8	53.7	53.5	53.3	51.6
-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°	29.7	28.4	27.0	25.7	24.3	23.0	21.6	20.3	18.9	17.6	16.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.2	0.1	0.0	0.0	0.5	0.7	0.3	0.0	0.6
67.5°	0.0	0.0	1.0	2.2	2.8	2.8	2.5	2.7	3.2	2.9	2.7
65°	3.3	2.0	1.3	2.6	4.0	5.4	5.7	5.0	4.9	5.6	6.7
62.5°	10.9	11.4	9.8	8.2	7.1	7.9	8.6	9.2	8.0	6.4	8.4
60°	32.5	19.8	28.9	30.9	24.6	21.3	31.9	30.3	15.8	13.6	12.3
57.5°	156.7	131.1	143.9	130.7	89.5	78.1	80.9	77.2	69.9	42.8	18.3
55°	540.0	462.7	363.5	314.0	302.5	231.4	172.4	143.9	130.6	94.2	62.4
52.5°	685.9	637.7	562.6	459.1	403.9	383.2	327.6	262.1	208.2	166.5	119.6
50°	860.0	872.9	795.8	652.6	596.0	534.7	480.7	405.0	336.7	270.1	199.3
47.5°	1403.0	1306.9	1229.6	1122.7	919.7	790.2	705.1	581.0	487.4	406.8	319.5
45°	1870.6	1760.7	1685.1	1519.2	1303.6	1103.2	969.3	813.8	648.2	540.3	461.1
42.5°	2202.8	2060.4	1936.3	1801.0	1595.0	1368.9	1185.3	1031.4	857.3	682.4	577.0
40°	2527.8	2302.2	2179.1	2058.0	1863.8	1610.1	1467.1	1241.1	1059.3	865.4	721.6
37.5°	3012.6	2628.9	2585.4	2468.8	2249.1	1985.2	1824.3	1601.4	1264.2	1081.4	916.0
35°	3831.9	3436.6	3208.4	3094.0	2809.2	2472.9	2208.0	1999.8	1665.3	1305.3	1114.7
32.5°	4734.7	4234.4	3888.1	3724.9	3419.3	2963.0	2636.2	2371.3	2035.6	1628.2	1322.5
30°	5244.4	4788.2	4371.1	4092.1	3795.1	3402.9	3027.8	2653.8	2289.4	1952.2	1547.7
27.5°	5718.8	5149.9	4700.2	4385.5	4107.3	3730.3	3315.3	2914.3	2513.8	2180.7	1819.9
25°	6170.8	5540.4	5050.3	4680.7	4357.2	4058.7	3589.7	3151.6	2733.8	2365.7	2083.4
22.5°	6591.8	6006.6	5441.9	4958.6	4684.6	4364.2	3901.8	3371.2	2963.0	2653.4	2321.2
20°	7285.1	6630.1	5915.1	5496.9	5242.0	4747.1	4223.9	3699.2	3324.3	2969.8	2579.0
17.5°	8428.1	7610.8	6755.8	6308.0	5947.1	5340.1	4673.3	4152.8	3684.8	3289.7	2859.6
15°	9679.5	8627.3	7780.2	7201.8	6630.0	5918.9	5147.2	4584.9	4053.1	3608.5	3117.5
12.5°	10298.0	9296.3	8546.9	7731.7	6994.1	6349.8	5619.5	4999.5	4396.0	3816.7	3277.0
10°	10667.0	9671.7	8823.9	8010.2	7270.9	6650.9	5972.6	5238.1	4567.6	3954.6	3410.1
7.5°	10954.1	9928.5	9025.7	8215.6	7466.3	6812.4	6163.2	5393.2	4704.8	4065.9	3516.8
5°	11152.8	10128.6	9213.2	8394.1	7605.4	6928.2	6304.8	5510.6	4807.1	4150.5	3597.9
2.5°	11357.6	10284.0	9330.6	8509.5	7694.0	7001.7	6390.5	5600.3	4890.2	4213.2	3665.5
0°	11437.4	10373.6	9412.4	8569.9	7743.7	7030.9	6415.3	5659.3	4946.5	4249.9	3709.9
-2.5°	11488.8	10402.9	9444.4	8609.1	7809.4	7077.1	6443.3	5725.5	4964.3	4289.4	3722.3
-5°	11410.8	10368.4	9417.5	8576.7	7810.8	7080.7	6423.8	5735.3	4959.8	4299.9	3712.7
-7.5°	11315.0	10277.0	9315.3	8490.5	7754.5	7031.9	6365.6	5692.4	4942.9	4282.7	3694.4
-10°	11153.3	10131.2	9215.8	8400.9	7655.4	6927.9	6281.0	5610.9	4887.6	4233.7	3651.5
-12.5°	10937.4	9947.1	9043.0	8237.0	7522.0	6820.7	6187.3	5498.3	4793.5	4152.1	3583.6
-15°	10652.2	9706.2	8829.1	8043.5	7351.9	6681.4	6048.4	5373.7	4701.7	4051.4	3490.5
-17.5°	10340.1	9388.3	8524.5	7784.4	7128.4	6492.8	5871.7	5242.9	4595.8	3957.0	3406.6
-20°	9985.7	9051.0	8195.3	7478.0	6859.0	6256.8	5682.5	5096.5	4448.9	3848.5	3318.6

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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	9475.9	8650.2	7865.7	7162.4	6570.6	6019.4	5466.3	4899.8	4258.4	3712.5	3198.7
-25°	8971.8	8204.1	7499.0	6852.6	6281.1	5757.6	5219.6	4658.0	4088.9	3552.7	3052.1
-27.5°	8478.5	7767.6	7065.0	6483.9	5970.6	5459.3	4953.8	4422.5	3898.5	3373.0	2914.4
-30°	7946.1	7281.1	6647.6	6102.2	5616.3	5143.3	4688.6	4192.5	3677.0	3178.2	2765.9
-32.5°	7361.2	6777.6	6219.3	5705.8	5251.7	4832.6	4401.1	3930.9	3421.4	2996.2	2593.8
-35°	6793.6	6254.9	5773.1	5320.2	4908.0	4524.4	4106.7	3635.8	3188.5	2789.4	2399.7
-37.5°	6285.6	5760.9	5314.7	4924.5	4580.2	4216.5	3800.0	3382.2	2961.5	2559.2	2219.2
-40°	5760.0	5270.3	4874.1	4556.9	4227.4	3900.0	3533.3	3144.8	2729.8	2336.9	2042.1
-42.5°	5250.4	4855.4	4464.7	4147.2	3851.9	3583.8	3274.5	2882.2	2500.8	2159.4	1876.1
-45°	4751.6	4392.7	4036.1	3746.5	3500.8	3249.4	2972.9	2616.4	2273.8	1980.8	1713.5
-47.5°	4238.9	3936.7	3639.3	3370.2	3150.5	2906.4	2639.5	2337.5	2056.7	1792.6	1556.0
-50°	3746.8	3501.7	3261.1	3027.9	2805.5	2567.1	2328.7	2084.9	1834.4	1604.3	1389.5
-52.5°	3283.4	3080.4	2877.1	2673.0	2478.6	2270.3	2050.3	1833.5	1613.1	1420.8	1229.0
-55°	2847.5	2673.4	2512.2	2348.5	2184.7	1996.8	1798.4	1603.0	1427.2	1250.5	1094.2
-57.5°	2461.5	2308.8	2180.5	2046.9	1908.4	1742.0	1572.3	1407.2	1261.3	1115.1	970.4
-60°	2120.7	1987.4	1877.5	1761.0	1638.1	1499.0	1364.3	1233.5	1107.4	988.1	863.5
-62.5°	1798.7	1691.2	1592.1	1493.4	1393.6	1288.2	1173.0	1067.5	969.8	869.3	756.5
-65°	1494.1	1409.9	1326.7	1247.0	1165.0	1080.3	988.5	905.1	825.2	743.7	646.3
-67.5°	1216.2	1150.4	1083.0	1016.3	952.3	885.1	815.4	745.8	680.7	614.2	535.1
-70°	979.1	929.5	877.1	821.4	768.5	715.9	661.9	605.6	546.1	491.8	437.6
-72.5°	790.2	754.6	715.4	670.5	622.7	577.3	533.5	489.6	444.4	398.0	350.7
-75°	638.6	612.5	582.7	545.1	506.5	467.0	430.1	392.4	351.1	306.0	262.1
-77.5°	505.7	489.7	471.3	441.3	411.0	380.4	347.5	306.3	264.3	222.7	186.4
-80°	379.1	371.5	360.6	334.5	308.4	282.5	255.0	219.0	183.3	149.7	122.8
-82.5°	250.2	245.0	238.0	220.6	203.4	186.5	169.2	144.2	120.3	97.7	77.7
-85°	136.7	132.3	127.4	119.1	110.9	102.7	94.4	80.7	67.7	55.6	44.8
-87.5°	50.0	48.3	46.6	44.8	43.0	41.2	39.3	35.2	31.3	27.5	23.8
-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):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	14.9	13.5	12.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.8	2.8
85°	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.3	0.9	1.6
82.5°	0.0	0.0	0.0	0.1	0.9	1.4	1.6	1.4	0.8	0.1	0.4
80°	0.0	0.0	0.0	0.2	1.3	2.9	3.6	3.7	2.8	2.0	1.1
77.5°	0.0	0.0	0.0	0.1	0.6	1.6	3.1	4.9	4.9	3.8	2.7
75°	0.0	0.0	0.0	0.2	0.4	0.1	1.1	2.8	4.4	5.3	4.2
72.5°	0.0	0.0	0.0	0.7	1.4	1.5	0.9	0.9	3.1	4.6	5.3
70°	0.8	0.3	0.0	0.9	2.2	3.3	3.1	2.5	2.1	4.0	5.1
67.5°	2.5	2.7	2.0	1.5	2.4	3.7	5.0	4.8	4.2	3.5	5.0
65°	6.3	5.8	5.3	4.7	4.0	4.0	5.3	6.7	6.3	5.4	4.9
62.5°	9.4	9.4	8.7	7.9	7.0	6.1	5.6	7.5	8.2	7.3	6.1
60°	12.1	12.7	12.1	11.0	10.0	8.8	8.0	8.5	9.4	9.1	7.7
57.5°	16.8	16.3	16.1	14.6	12.9	11.5	10.8	10.6	10.8	10.7	9.3
55°	29.6	20.6	20.8	19.2	16.5	14.2	13.6	13.1	12.5	12.3	10.9
52.5°	75.0	41.6	26.7	24.7	21.5	17.6	16.4	15.7	14.9	14.1	12.5
50°	138.5	89.7	50.8	31.9	27.1	23.1	19.2	18.2	17.1	16.0	14.0
47.5°	221.7	154.2	100.2	50.3	35.1	28.9	24.0	20.7	19.4	18.0	15.6
45°	341.5	227.2	157.5	99.5	46.7	39.9	29.7	23.2	21.7	19.9	17.0
42.5°	475.1	333.3	221.0	150.3	89.2	55.3	35.6	28.2	23.9	21.9	18.7
40°	606.2	460.6	296.8	207.2	134.6	74.1	51.2	33.7	26.2	24.1	20.5
37.5°	751.2	595.3	415.8	268.0	180.9	113.1	70.1	39.2	29.7	26.3	22.4
35°	930.5	744.7	534.8	357.1	239.5	149.3	91.2	49.9	36.5	28.7	24.4
32.5°	1109.6	893.9	663.5	460.6	300.8	182.6	118.7	71.3	44.5	31.2	26.4
30°	1289.9	1030.5	784.6	556.5	371.4	236.1	148.2	92.0	53.6	33.7	28.5
27.5°	1452.2	1159.4	898.1	656.6	454.1	292.7	179.1	112.1	63.7	38.2	30.6
25°	1635.5	1298.8	1009.7	752.4	529.8	351.6	210.8	131.7	78.5	46.0	32.7
22.5°	1871.4	1442.0	1113.1	839.1	604.7	408.0	251.6	157.7	94.7	54.3	34.8
20°	2105.9	1581.9	1214.5	947.9	686.2	471.4	298.8	183.6	110.2	62.8	36.9
17.5°	2336.1	1761.1	1361.9	1058.9	773.4	530.7	342.8	209.0	124.7	71.5	39.0
15°	2542.4	1966.4	1506.9	1164.0	858.8	585.6	383.6	233.6	138.3	80.2	41.7
12.5°	2715.7	2143.5	1643.3	1262.4	941.1	635.8	420.8	257.3	150.9	90.0	45.5
10°	2858.9	2293.2	1769.9	1353.2	1018.8	680.8	454.4	280.9	165.6	100.3	49.4
7.5°	2973.3	2416.9	1885.0	1435.7	1089.3	723.0	490.4	305.9	179.9	110.1	53.4
5°	3059.4	2513.4	1974.0	1494.8	1145.3	761.7	523.7	328.8	193.1	119.2	57.4
2.5°	3115.4	2584.4	2039.9	1541.2	1191.0	794.4	553.0	349.4	205.2	127.6	61.2
0°	3148.3	2635.2	2089.8	1576.8	1225.8	820.8	577.8	367.2	216.0	135.0	64.8
-2.5°	3177.7	2668.5	2133.4	1638.9	1249.7	864.1	593.7	383.3	233.1	140.4	71.4
-5°	3187.4	2683.2	2161.9	1686.8	1264.1	899.2	604.8	396.4	248.0	144.7	77.4
-7.5°	3171.0	2674.3	2171.9	1714.0	1270.9	924.0	611.3	406.7	260.2	148.0	82.7
-10°	3134.5	2645.4	2158.7	1705.8	1280.0	931.8	615.1	414.3	269.0	150.5	87.1
-12.5°	3080.3	2601.7	2130.3	1687.6	1278.5	926.8	625.2	420.2	273.6	152.2	90.3
-15°	3009.4	2544.5	2086.9	1660.9	1263.1	915.7	627.8	422.4	273.1	155.4	92.3
-17.5°	2925.8	2475.1	2028.8	1626.8	1233.2	898.9	622.1	419.7	270.4	160.1	94.3
-20°	2842.2	2398.1	1959.8	1586.5	1188.0	877.1	607.7	412.0	265.4	163.1	96.2



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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°	2744.2	2309.6	1900.2	1530.3	1139.1	850.8	584.0	398.9	258.3	164.4	97.0
-25°	2631.5	2206.3	1828.5	1453.1	1100.6	821.1	559.6	380.3	249.2	164.0	96.7
-27.5°	2504.2	2095.9	1744.2	1368.5	1060.6	779.6	536.4	366.6	241.4	161.6	95.3
-30°	2362.2	1992.0	1643.3	1287.1	1011.7	734.7	506.1	351.2	237.9	158.6	92.6
-32.5°	2209.0	1875.0	1534.8	1225.1	956.0	688.2	479.3	333.9	231.9	154.8	92.8
-35°	2065.4	1747.7	1424.2	1153.5	897.0	660.6	461.4	314.7	223.6	149.4	93.3
-37.5°	1911.6	1614.2	1336.5	1078.9	834.9	628.9	446.9	306.1	212.7	142.5	92.9
-40°	1763.6	1487.5	1235.1	1007.8	788.9	593.2	424.1	296.5	202.3	134.1	91.7
-42.5°	1613.9	1368.5	1138.0	930.4	745.6	558.7	394.9	281.8	193.9	129.3	89.6
-45°	1476.0	1245.6	1034.8	862.9	697.4	514.5	372.4	263.3	183.6	125.8	87.7
-47.5°	1331.2	1120.4	940.5	789.0	634.3	466.5	343.8	248.7	171.2	121.3	86.4
-50°	1181.6	1001.9	852.2	707.8	557.2	426.5	313.3	231.4	166.8	117.7	84.3
-52.5°	1050.7	897.7	762.0	624.3	499.0	379.6	290.1	212.8	160.9	114.6	81.3
-55°	938.0	798.7	673.1	555.9	443.5	345.2	263.9	203.9	153.6	110.9	77.6
-57.5°	838.4	706.9	600.1	494.9	397.2	312.0	245.4	193.4	145.9	105.7	74.4
-60°	741.6	633.6	533.8	440.0	354.0	283.3	231.0	181.3	136.8	99.1	70.7
-62.5°	652.1	557.0	470.2	385.4	315.3	260.0	214.5	167.2	126.0	90.8	65.9
-65°	558.2	477.2	403.8	337.2	280.1	232.7	193.2	151.1	111.8	80.9	59.7
-67.5°	460.6	401.2	343.9	288.4	241.7	201.9	168.7	129.9	95.2	69.4	52.4
-70°	383.6	331.2	282.7	239.2	201.2	168.6	137.8	105.0	76.8	59.5	44.7
-72.5°	305.3	262.7	222.9	188.2	161.1	133.5	105.5	80.3	63.7	49.1	36.5
-75°	226.0	197.1	171.2	147.2	122.7	98.6	80.4	63.9	50.2	38.2	30.8
-77.5°	164.0	143.2	124.1	108.9	92.0	76.0	60.7	46.8	38.0	31.7	25.9
-80°	111.4	100.5	90.0	79.3	65.7	53.0	43.8	36.1	30.6	25.5	20.9
-82.5°	70.2	64.3	59.1	53.7	45.9	38.8	32.5	27.2	23.1	19.3	16.9
-85°	41.6	38.5	35.5	32.4	28.1	24.2	22.4	20.7	18.9	17.2	15.4
-87.5°	23.5	23.1	22.8	22.4	21.3	20.2	19.3	18.5	16.9	15.3	13.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.7	4.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	10.8	9.5	8.1	6.7	5.4	5.4	5.4
87.5°	4.0	4.5	4.9	5.2	5.4	5.4	5.4
85°	2.6	3.7	4.5	5.1	5.4	5.4	5.4
82.5°	1.3	2.8	4.0	4.9	5.4	5.4	5.4
80°	0.3	2.0	3.6	4.7	5.4	5.4	5.4
77.5°	1.7	1.8	3.2	4.6	5.4	5.4	5.4
75°	3.0	2.7	3.0	4.5	5.4	5.4	5.4
72.5°	4.3	3.5	3.4	4.4	5.4	5.4	5.4
70°	5.4	4.3	3.9	4.3	5.4	5.4	5.4
67.5°	5.6	5.0	4.3	4.5	5.4	5.4	5.4
65°	5.8	5.6	4.7	4.7	5.4	5.4	5.4
62.5°	6.1	6.0	5.1	4.8	5.4	5.4	5.4
60°	6.4	6.5	5.4	5.0	5.4	5.4	5.4
57.5°	7.7	7.0	5.9	5.1	5.5	5.4	5.4
55°	9.1	7.6	6.4	5.2	5.5	5.4	5.4
52.5°	10.4	8.3	7.0	5.3	5.6	5.4	5.4
50°	11.7	9.4	7.6	5.4	5.8	5.4	5.4
47.5°	13.0	10.4	8.2	5.5	5.9	5.4	5.4
45°	14.3	11.5	8.9	6.0	6.1	5.4	5.4
42.5°	15.5	12.5	9.6	6.5	6.2	5.4	5.4
40°	16.7	13.5	10.3	7.2	6.4	5.4	5.4
37.5°	17.9	14.5	11.1	7.9	6.6	5.4	5.4
35°	19.0	15.4	11.8	8.6	6.9	5.4	5.4
32.5°	20.3	16.4	12.6	9.3	7.1	5.4	5.4
30°	21.9	17.2	13.3	10.0	7.4	5.4	5.4
27.5°	23.5	18.1	14.1	10.6	7.6	5.4	5.4
25°	25.1	18.8	15.0	11.2	7.9	5.4	5.4
22.5°	26.7	19.7	15.8	11.8	8.2	5.4	5.4
20°	28.2	20.7	16.6	12.4	8.5	5.4	5.4
17.5°	29.8	21.6	17.3	13.0	8.8	5.4	5.4
15°	31.3	22.5	18.0	13.5	9.1	5.4	5.4
12.5°	32.6	23.4	18.7	14.1	9.4	5.4	5.4
10°	33.9	24.2	19.4	14.5	9.7	5.4	5.4
7.5°	35.1	25.0	20.0	15.0	10.0	5.4	5.4
5°	36.1	25.7	20.6	15.4	10.3	5.4	5.4
2.5°	37.0	26.4	21.1	15.8	10.6	5.4	5.4
0°	37.8	27.0	21.6	16.2	10.8	5.4	5.4
-2.5°	39.9	27.6	22.1	16.2	10.8	5.4	5.4
-5°	41.8	28.1	22.5	16.1	10.8	5.4	5.4
-7.5°	43.5	28.6	22.8	16.1	10.7	5.4	5.4
-10°	44.9	29.0	23.0	16.0	10.6	5.4	5.4
-12.5°	45.9	29.3	23.2	15.8	10.5	5.4	5.4
-15°	46.6	29.6	23.3	15.6	10.4	5.4	5.4
-17.5°	46.8	29.9	23.3	15.4	10.3	5.4	5.4
-20°	48.0	30.0	23.1	15.2	10.1	5.4	5.4

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	51.1	30.2	22.8	15.0	10.0	5.4	5.4
-25°	53.7	32.1	22.4	14.7	9.8	5.4	5.4
-27.5°	55.6	34.7	21.9	14.4	9.6	5.4	5.4
-30°	57.0	36.8	21.3	14.0	9.4	5.4	5.4
-32.5°	57.7	38.6	22.1	13.7	9.1	5.4	5.4
-35°	59.3	40.0	22.7	13.3	8.8	5.4	5.4
-37.5°	60.8	40.9	23.1	12.8	8.6	5.4	5.4
-40°	61.8	41.2	23.2	12.4	8.3	5.4	5.4
-42.5°	62.1	41.2	23.4	12.1	8.0	5.4	5.4
-45°	61.8	40.9	23.5	12.2	7.6	5.4	5.4
-47.5°	60.9	40.3	23.4	12.1	7.3	5.4	5.4
-50°	59.6	39.4	22.9	12.0	6.9	5.4	5.4
-52.5°	57.9	38.2	22.2	11.7	6.6	5.4	5.4
-55°	55.9	36.6	21.3	11.4	6.2	5.4	5.4
-57.5°	53.4	34.6	20.1	11.0	5.8	5.4	5.4
-60°	50.4	32.2	18.7	10.5	5.4	5.4	5.4
-62.5°	46.4	29.5	17.7	9.9	5.4	5.4	5.4
-65°	41.8	26.4	16.5	9.3	5.4	5.4	5.4
-67.5°	36.8	23.8	15.2	8.6	5.4	5.4	5.4
-70°	31.3	21.6	13.8	7.8	5.4	5.4	5.4
-72.5°	27.6	19.2	12.3	7.6	5.4	5.4	5.4
-75°	24.1	16.8	10.8	7.6	5.4	5.4	5.4
-77.5°	20.3	14.2	10.2	7.5	5.4	5.4	5.4
-80°	16.4	12.8	9.8	7.4	5.4	5.4	5.4
-82.5°	14.9	12.0	9.4	7.2	5.4	5.4	5.4
-85°	13.5	11.2	9.0	7.1	5.4	5.4	5.4
-87.5°	12.2	10.3	8.6	6.9	5.4	5.4	5.4
-90°	5.4	5.4	5.4	5.4	5.4	5.4	5.4

(END OF REPORT)