

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: P627500 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-2019
Report Number: P627500 (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-SA4E-727-U-VWR-VSR-XX
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N7 WITH VISOR
Light Source: (64) 2700K CCT, 70 CRI LEDS
Ballast/Driver: -

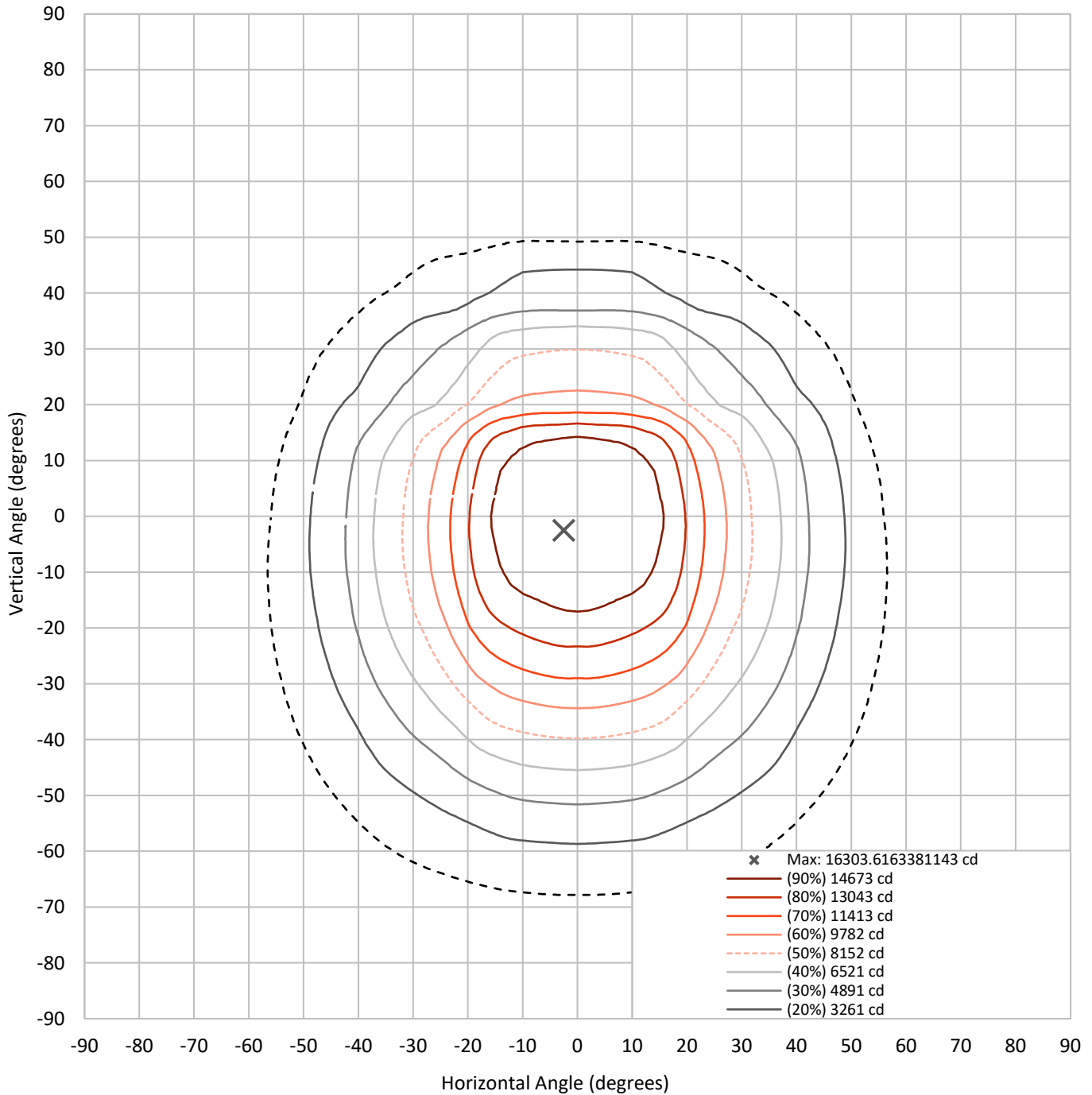
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	21757.7 lumens	Max Intensity:	16303.6 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x -2.5°V
Efficacy:	85.0 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')		
Beam Angle (50%):	63.9°H x 69.6°V	Field Angle (10%):	112.5°H x 117.1°V
Beam Lumens:	12588.3 lumens	Field Lumens:	20646.7 lumens
Beam Efficiency:	57.9%	Field Efficiency:	94.9%
Input Watts (W):	255.9		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		



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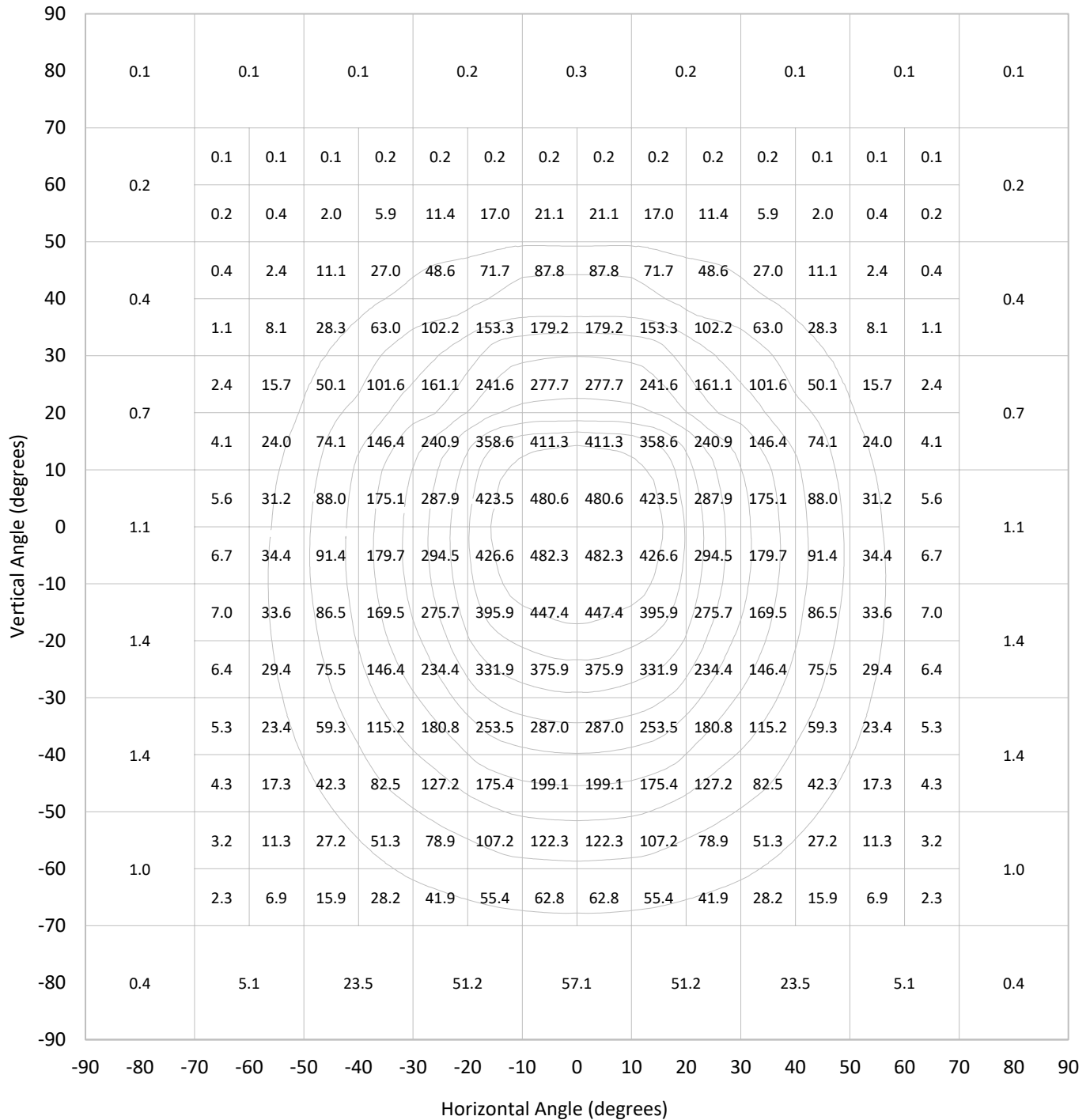
Iso-Candela Plot





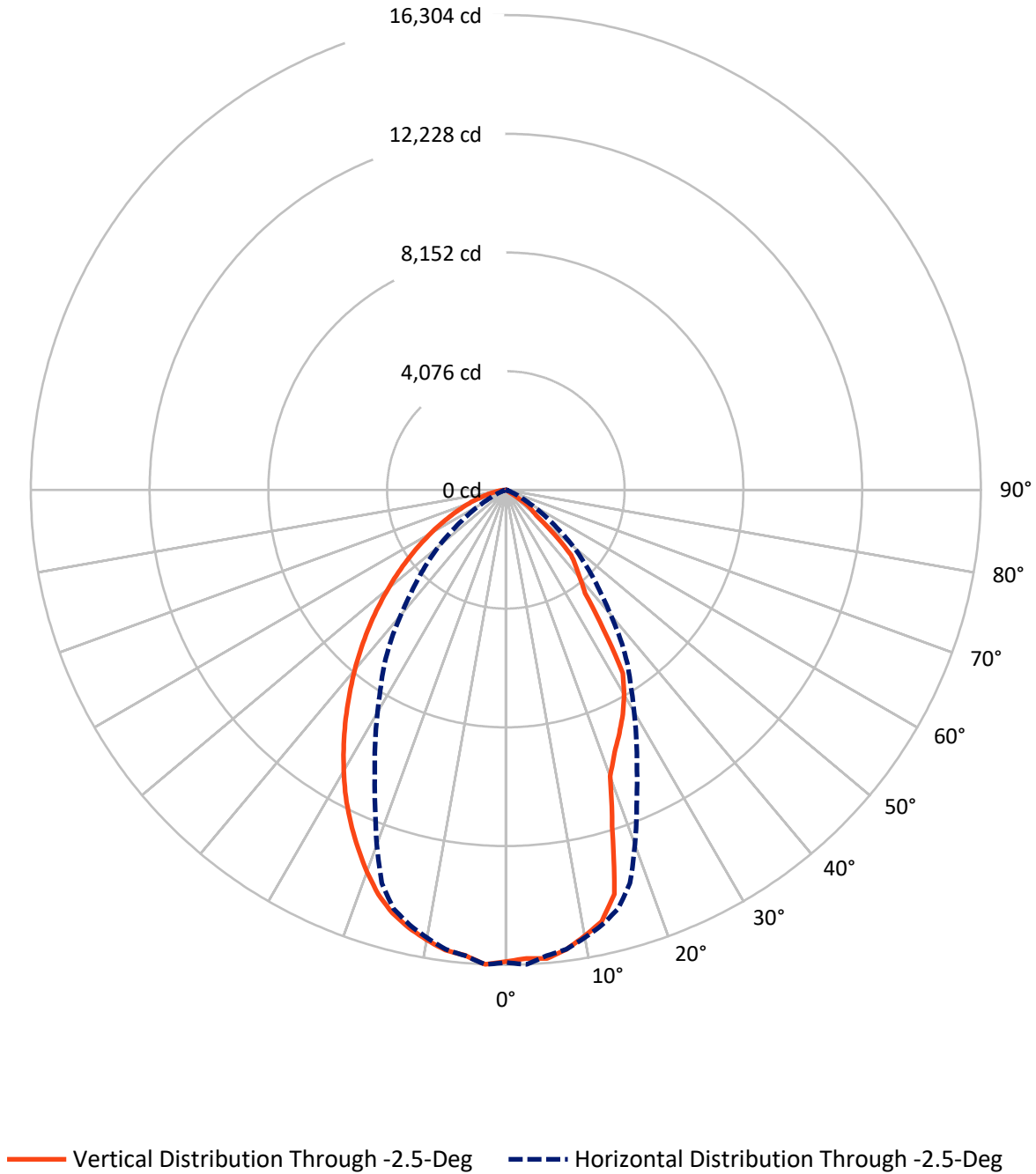
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Lumen Table



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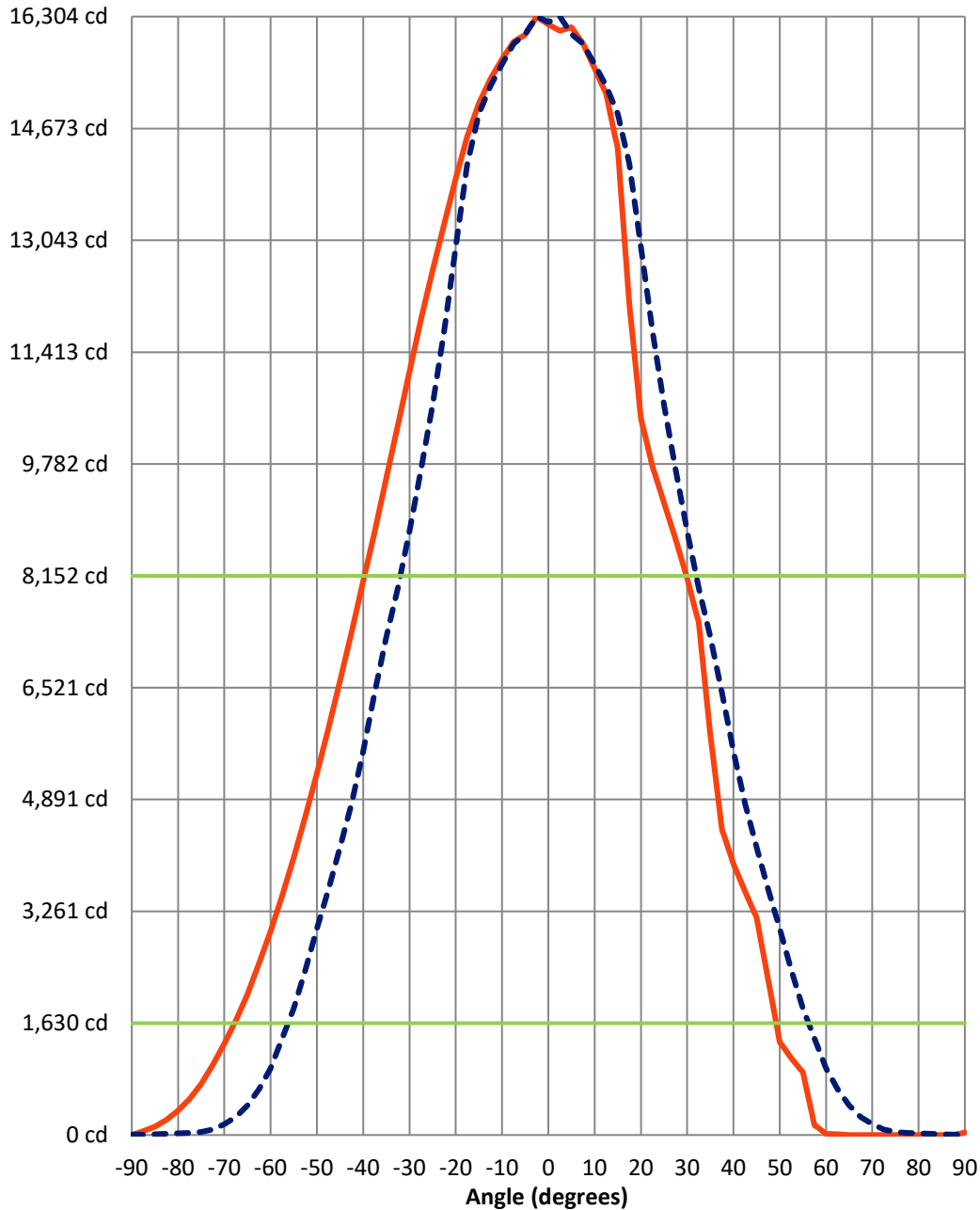
Luminous Intensity Polar Plot





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Luminous Intensity Plot



Beam:
 H Angle: 63.9°
 V Angle: 69.6°
 Lumens: 12588.3
 Efficiency: 57.9%

Field:
 H Angle: 112.5°
 V Angle: 117.1°
 Lumens: 20646.7
 Efficiency: 94.9%

Spill:
 Lumens: 1111
 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°	6.1	6.1	6.1	7.6	9.2	10.7	12.2	13.7	15.3	16.8	18.3
87.5°	6.1	6.1	6.1	5.9	5.6	5.1	4.5	3.2	2.0	0.9	0.0
85°	6.1	6.1	6.1	5.7	5.0	4.1	3.0	1.8	1.0	0.4	0.0
82.5°	6.1	6.1	6.1	5.5	4.5	3.2	1.4	0.5	0.1	0.9	1.6
80°	6.1	6.1	6.1	5.3	4.1	2.3	0.3	1.2	2.2	3.2	4.2
77.5°	6.1	6.1	6.1	5.2	3.6	2.0	1.9	3.0	4.3	5.5	5.5
75°	6.1	6.1	6.1	5.0	3.3	3.0	3.4	4.8	6.0	5.0	3.2
72.5°	6.1	6.1	6.1	4.9	3.9	4.0	4.9	6.0	5.2	3.5	1.1
70°	6.1	6.1	6.1	4.9	4.4	4.9	6.1	5.8	4.5	2.3	2.8
67.5°	6.1	6.1	6.1	5.1	4.9	5.7	6.3	5.6	4.0	4.7	5.4
65°	6.1	6.1	6.1	5.3	5.3	6.3	6.5	5.6	6.1	7.1	7.5
62.5°	6.1	6.1	6.1	5.5	5.7	6.8	6.8	6.9	8.2	9.3	8.4
60°	6.1	6.1	6.1	5.6	6.1	7.3	7.3	8.7	10.3	10.6	9.6
57.5°	6.1	6.1	6.2	5.8	6.7	7.9	8.7	10.6	12.1	12.2	11.9
55°	6.1	6.1	6.3	5.9	7.3	8.5	10.2	12.4	13.9	14.2	14.8
52.5°	6.1	6.1	6.4	6.0	7.9	9.3	11.7	14.1	15.9	16.8	17.7
50°	6.1	6.1	6.5	6.1	8.6	10.6	13.2	15.9	18.1	19.3	20.5
47.5°	6.1	6.1	6.7	6.2	9.3	11.8	14.7	17.6	20.3	21.9	23.4
45°	6.1	6.1	6.8	6.8	10.1	13.0	16.1	19.2	22.4	24.4	26.2
42.5°	6.1	6.1	7.0	7.4	10.8	14.2	17.5	21.1	24.7	26.9	31.8
40°	6.1	6.1	7.3	8.1	11.7	15.3	18.9	23.1	27.1	29.5	38.0
37.5°	6.1	6.1	7.5	8.9	12.5	16.4	20.2	25.2	29.6	33.5	44.2
35°	6.1	6.1	7.8	9.7	13.4	17.4	21.4	27.4	32.3	41.2	56.3
32.5°	6.1	6.1	8.0	10.5	14.2	18.5	22.8	29.7	35.1	50.2	80.3
30°	6.1	6.1	8.3	11.2	15.0	19.4	24.6	32.0	38.0	60.4	103.7
27.5°	6.1	6.1	8.6	12.0	15.9	20.4	26.4	34.4	43.1	71.8	126.3
25°	6.1	6.1	9.0	12.7	16.9	21.2	28.2	36.8	51.9	88.5	148.5
22.5°	6.1	6.1	9.3	13.4	17.8	22.2	30.0	39.2	61.1	106.8	177.8
20°	6.1	6.1	9.6	14.0	18.7	23.3	31.8	41.6	70.8	124.1	206.9
17.5°	6.1	6.1	10.0	14.7	19.5	24.3	33.5	44.0	80.6	140.5	235.5
15°	6.1	6.1	10.3	15.3	20.3	25.3	35.2	47.0	90.4	155.9	263.3
12.5°	6.1	6.1	10.6	15.9	21.1	26.3	36.8	51.3	101.4	170.1	289.9
10°	6.1	6.1	11.0	16.4	21.8	27.2	38.2	55.7	113.0	186.7	316.6
7.5°	6.1	6.1	11.3	16.9	22.5	28.1	39.5	60.2	124.0	202.7	344.7
5°	6.1	6.1	11.6	17.4	23.2	28.9	40.7	64.7	134.4	217.7	370.5
2.5°	6.1	6.1	11.9	17.9	23.7	29.7	41.7	69.0	143.8	231.3	393.7
0°	6.1	6.1	12.2	18.3	24.3	30.4	42.6	73.0	152.2	243.4	413.8
-2.5°	6.1	6.1	12.2	18.2	25.3	31.6	47.1	87.2	163.1	279.5	446.8
-5°	6.1	6.1	12.1	18.1	25.6	32.2	49.0	93.2	166.9	293.2	458.4
-7.5°	6.1	6.1	12.0	18.0	25.9	32.6	50.6	98.1	169.7	303.2	467.0
-10°	6.1	6.1	11.9	17.9	26.1	33.0	51.8	101.8	171.6	308.4	473.6
-12.5°	6.1	6.1	11.8	17.7	26.2	33.4	52.5	104.0	175.2	307.8	476.0
-15°	6.1	6.1	11.6	17.4	26.2	33.6	52.8	106.2	180.4	304.7	473.1
-17.5°	6.1	6.1	11.5	17.2	26.0	33.8	54.2	108.4	183.8	299.2	464.4
-20°	6.1	6.1	11.5	17.2	26.0	33.8	54.2	108.4	183.8	299.2	464.4

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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°	6.1	6.1	11.3	16.9	25.7	34.0	57.6	109.4	185.3	291.2	449.6
-25°	6.1	6.1	11.1	16.6	25.3	36.2	60.5	109.0	184.8	280.8	428.6
-27.5°	6.1	6.1	10.8	16.2	24.7	39.0	62.7	107.4	182.1	272.0	413.2
-30°	6.1	6.1	10.6	15.8	24.1	41.5	64.2	104.4	178.7	268.1	395.9
-32.5°	6.1	6.1	10.3	15.4	24.9	43.5	65.0	104.6	174.4	261.4	376.3
-35°	6.1	6.1	10.0	15.0	25.6	45.1	66.8	105.1	168.3	251.9	354.7
-37.5°	6.1	6.1	9.7	14.5	26.0	46.1	68.5	104.7	160.6	239.7	345.0
-40°	6.1	6.1	9.3	14.0	26.2	46.4	69.6	103.3	151.1	228.0	334.1
-42.5°	6.1	6.1	9.0	13.7	26.4	46.5	70.0	101.0	145.7	218.6	317.5
-45°	6.1	6.1	8.6	13.8	26.5	46.1	69.7	98.8	141.7	206.9	296.7
-47.5°	6.1	6.1	8.2	13.7	26.4	45.4	68.6	97.4	136.6	193.0	280.3
-50°	6.1	6.1	7.8	13.5	25.9	44.4	67.2	95.0	132.6	188.0	260.8
-52.5°	6.1	6.1	7.4	13.3	25.1	43.0	65.3	91.6	129.2	181.3	239.8
-55°	6.1	6.1	7.0	12.9	24.0	41.2	63.0	87.5	125.0	173.1	229.8
-57.5°	6.1	6.1	6.5	12.4	22.7	39.0	60.2	83.8	119.1	164.4	218.0
-60°	6.1	6.1	6.1	11.9	21.1	36.3	56.8	79.7	111.7	154.2	204.3
-62.5°	6.1	6.1	6.1	11.2	19.9	33.3	52.2	74.2	102.4	142.0	188.4
-65°	6.1	6.1	6.1	10.5	18.6	29.8	47.1	67.2	91.2	126.1	170.4
-67.5°	6.1	6.1	6.1	9.7	17.2	26.8	41.4	59.0	78.2	107.3	146.4
-70°	6.1	6.1	6.1	8.8	15.6	24.3	35.3	50.3	67.0	86.5	118.3
-72.5°	6.1	6.1	6.1	8.6	13.9	21.7	31.2	41.1	55.3	71.8	90.6
-75°	6.1	6.1	6.1	8.5	12.1	18.9	27.1	34.7	43.0	56.5	72.0
-77.5°	6.1	6.1	6.1	8.4	11.5	16.0	22.9	29.2	35.7	42.8	52.8
-80°	6.1	6.1	6.1	8.3	11.1	14.4	18.6	23.5	28.8	34.5	40.6
-82.5°	6.1	6.1	6.1	8.2	10.7	13.5	16.8	19.1	21.7	26.0	30.6
-85°	6.1	6.1	6.1	8.0	10.2	12.6	15.3	17.3	19.3	21.3	23.3
-87.5°	6.1	6.1	6.1	7.8	9.7	11.7	13.8	15.5	17.3	19.1	20.8
-90°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	4.6	3.0	1.5	0.0



REPORT NUMBER: P627500 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-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°
90°	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	19.8	21.3	22.8
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°	1.8	1.6	1.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	4.0	3.3	1.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	3.5	1.8	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	1.3	0.1	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1.0	1.7	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	3.5	3.7	2.5	1.0	0.0	0.3	0.9	0.6	0.0	0.3	0.8
67.5°	5.7	4.2	2.8	1.7	2.3	3.1	2.9	3.1	3.3	3.6	3.1
65°	5.9	4.5	4.6	5.3	6.0	6.6	7.1	7.5	6.3	5.5	5.6
62.5°	6.4	6.9	7.9	8.9	9.8	10.6	10.7	9.5	7.2	9.0	10.4
60°	9.1	10.0	11.3	12.5	13.7	14.3	13.7	13.8	15.4	17.9	34.2
57.5°	12.2	13.0	14.6	16.5	18.2	18.5	18.9	20.6	48.2	78.8	87.0
55°	15.4	16.1	18.6	21.6	23.4	23.2	33.4	70.4	106.2	147.1	162.2
52.5°	18.5	19.9	24.2	27.8	30.1	46.9	84.5	134.7	187.7	234.6	295.4
50°	21.7	26.1	30.6	35.9	57.2	101.0	156.1	224.6	304.4	379.5	456.4
47.5°	27.1	32.6	39.5	56.6	112.9	173.7	249.9	360.1	458.5	549.3	654.8
45°	33.5	45.0	52.6	112.1	177.5	256.0	384.9	519.7	608.9	730.6	917.2
42.5°	40.1	62.3	100.6	169.4	249.0	375.6	535.5	650.4	769.1	966.2	1162.4
40°	57.7	83.5	151.7	233.6	334.5	519.1	683.2	813.3	975.4	1193.9	1398.7
37.5°	79.0	127.4	203.9	302.0	468.6	670.9	846.6	1032.5	1218.8	1424.9	1804.8
35°	102.8	168.2	270.0	402.4	602.8	839.3	1048.8	1256.4	1471.1	1876.9	2253.9
32.5°	133.7	205.8	339.1	519.1	747.8	1007.5	1250.6	1490.5	1835.0	2294.2	2672.5
30°	167.0	266.1	418.6	627.1	884.3	1161.4	1453.7	1744.2	2200.2	2580.2	2990.9
27.5°	201.9	329.9	511.8	740.0	1012.2	1306.7	1636.6	2051.1	2457.8	2833.2	3284.6
25°	237.6	396.3	597.1	847.9	1138.0	1463.8	1843.2	2348.1	2666.2	3081.1	3551.9
22.5°	283.6	459.8	681.5	945.7	1254.5	1625.1	2109.1	2616.1	2990.4	3339.4	3799.3
20°	336.7	531.3	773.4	1068.3	1368.7	1782.8	2373.4	2906.7	3347.0	3746.6	4169.1
17.5°	386.4	598.2	871.7	1193.5	1534.9	1984.8	2632.8	3222.9	3707.5	4152.8	4680.2
15°	432.3	660.0	967.9	1311.9	1698.3	2216.3	2865.4	3513.5	4066.9	4567.9	5167.2
12.5°	474.3	716.5	1060.7	1422.7	1852.1	2415.8	3060.7	3693.3	4301.5	4954.4	5634.6
10°	512.1	767.3	1148.2	1525.1	1994.7	2584.5	3222.1	3843.2	4456.9	5147.8	5903.5
7.5°	552.7	814.9	1227.7	1618.0	2124.5	2723.9	3351.0	3963.5	4582.4	5302.4	6078.3
5°	590.3	858.5	1290.9	1684.7	2224.8	2832.7	3448.0	4054.9	4677.7	5417.7	6210.6
2.5°	623.2	895.3	1342.3	1736.9	2299.1	2912.7	3511.1	4131.0	4748.4	5511.3	6311.7
0°	651.2	925.1	1381.5	1777.1	2355.3	2970.0	3548.2	4181.1	4789.7	5574.8	6378.2
-2.5°	669.1	974.0	1408.5	1847.1	2404.4	3007.5	3581.4	4195.1	4834.2	5594.9	6452.8
-5°	681.7	1013.5	1424.7	1901.1	2436.5	3024.0	3592.3	4184.3	4846.1	5589.8	6463.8
-7.5°	689.0	1041.4	1432.4	1931.7	2447.8	3014.1	3573.8	4163.7	4826.7	5570.7	6415.4
-10°	693.2	1050.2	1442.7	1922.5	2432.9	2981.5	3532.6	4115.3	4771.5	5508.4	6323.6
-12.5°	704.7	1044.6	1440.9	1902.1	2400.9	2932.2	3471.6	4038.8	4679.5	5402.3	6196.7
-15°	707.6	1032.0	1423.6	1871.9	2352.0	2867.7	3391.6	3933.8	4566.0	5298.8	6056.3
-17.5°	701.2	1013.1	1389.9	1833.5	2286.5	2789.6	3297.5	3839.3	4459.7	5179.6	5908.9
-20°	684.9	988.5	1338.9	1788.1	2208.8	2702.7	3203.3	3740.1	4337.3	5014.0	5743.9



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 CATALOG NUMBER: GFLD-SA4E-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°	658.2	958.9	1283.8	1724.7	2141.6	2603.0	3092.8	3605.0	4184.0	4799.3	5522.2
-25°	630.7	925.4	1240.4	1637.7	2060.8	2486.6	2965.9	3439.8	4003.9	4608.2	5249.6
-27.5°	604.5	878.6	1195.3	1542.3	1965.7	2362.2	2822.4	3284.6	3801.4	4393.7	4984.2
-30°	570.4	828.1	1140.2	1450.6	1852.0	2245.1	2662.2	3117.2	3581.9	4144.0	4725.0
-32.5°	540.2	775.6	1077.5	1380.7	1729.8	2113.1	2489.6	2923.3	3376.8	3856.0	4430.1
-35°	520.0	744.5	1011.0	1300.1	1605.1	1969.7	2327.8	2704.5	3143.8	3593.5	4097.6
-37.5°	503.7	708.8	941.0	1216.0	1506.3	1819.2	2154.5	2501.1	2884.4	3337.8	3811.8
-40°	477.9	668.6	889.2	1135.8	1392.0	1676.5	1987.7	2301.5	2633.7	3076.6	3544.3
-42.5°	445.0	629.7	840.3	1048.6	1282.6	1542.4	1819.0	2114.5	2433.8	2818.5	3248.4
-45°	419.7	579.9	786.0	972.5	1166.3	1403.8	1663.6	1931.2	2232.4	2562.7	2948.8
-47.5°	387.5	525.8	714.9	889.3	1060.0	1262.7	1500.3	1753.6	2020.4	2318.0	2634.4
-50°	353.1	480.6	628.0	797.7	960.5	1129.2	1331.7	1566.0	1808.1	2067.5	2349.8
-52.5°	326.9	427.8	562.3	703.6	858.8	1011.8	1184.3	1385.1	1601.3	1818.1	2066.4
-55°	297.4	389.0	499.8	626.5	758.6	900.2	1057.3	1233.2	1409.4	1608.6	1806.7
-57.5°	276.6	351.6	447.6	557.7	676.3	796.7	945.0	1093.7	1256.8	1421.6	1586.0
-60°	260.3	319.3	399.0	495.9	601.7	714.1	835.8	973.2	1113.6	1248.2	1390.3
-62.5°	241.7	293.0	355.3	434.4	529.9	627.8	734.9	852.7	979.7	1093.0	1203.1
-65°	217.7	262.2	315.7	380.0	455.1	537.8	629.1	728.4	838.2	930.1	1020.1
-67.5°	190.1	227.6	272.4	325.0	387.5	452.1	519.1	603.0	692.2	767.2	840.5
-70°	155.4	190.1	226.7	269.5	318.6	373.3	432.3	493.2	554.2	615.5	682.5
-72.5°	118.9	150.5	181.6	212.2	251.2	296.0	344.1	395.2	448.5	500.9	551.8
-75°	90.7	111.2	138.3	165.9	193.0	222.2	254.7	295.3	344.8	395.6	442.2
-77.5°	68.4	85.6	103.7	122.7	139.9	161.4	184.9	210.1	251.0	297.9	345.2
-80°	49.4	59.7	74.1	89.3	101.4	113.2	125.6	138.4	168.8	206.6	246.9
-82.5°	36.6	43.7	51.7	60.5	66.6	72.5	79.1	87.6	110.1	135.6	162.6
-85°	25.2	27.3	31.6	36.5	39.9	43.4	46.9	50.5	62.7	76.3	90.9
-87.5°	21.8	22.8	24.0	25.2	25.7	26.1	26.5	26.9	30.9	35.2	39.7
-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):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	24.3	25.8	27.4	28.9	30.4	31.9	33.5	35.0	36.5	36.5	36.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.5	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	2.8	3.1	3.2	2.5	1.1	0.0	0.0	0.0	0.0	0.0	0.0
65°	6.4	6.1	4.6	3.0	1.4	2.3	3.7	4.4	4.5	4.0	3.1
62.5°	9.7	8.9	8.0	9.3	11.1	12.8	12.3	11.6	10.8	10.3	10.7
60°	36.0	24.0	27.7	34.8	32.6	22.3	36.7	41.5	35.4	24.2	23.4
57.5°	91.2	88.0	100.9	147.4	162.2	147.8	176.5	214.4	213.2	183.6	182.7
55°	194.3	260.8	341.0	353.9	409.7	521.5	608.6	570.4	570.2	598.9	691.4
52.5°	369.2	431.9	455.2	517.4	634.1	718.7	773.1	829.4	891.1	954.0	1017.8
50°	541.8	602.6	671.7	735.5	896.9	983.8	969.3	1085.9	1235.1	1328.3	1376.2
47.5°	794.7	890.6	1036.6	1265.4	1385.9	1473.0	1581.3	1713.3	1884.3	2116.1	2294.8
45°	1092.5	1243.3	1469.2	1712.3	1899.2	1984.4	2108.3	2312.8	2585.4	2850.8	3044.7
42.5°	1335.8	1542.8	1797.6	2029.8	2182.3	2322.1	2482.7	2655.2	2967.4	3250.9	3474.9
40°	1653.5	1814.7	2100.6	2319.5	2455.9	2594.6	2849.0	3107.1	3400.7	3664.9	3848.4
37.5°	2056.1	2237.5	2534.8	2782.4	2913.8	2962.9	3395.3	3754.7	3993.3	4330.5	4440.8
35°	2488.6	2787.1	3166.0	3487.0	3615.9	3873.1	4318.6	4820.0	5363.3	5563.1	5733.5
32.5°	2971.1	3339.4	3853.5	4198.0	4381.9	4772.3	5336.1	5871.3	6581.7	6967.2	7082.5
30°	3412.5	3835.1	4277.1	4611.9	4926.3	5396.4	5910.6	6570.5	7227.4	7720.4	7873.5
27.5°	3736.4	4204.0	4628.9	4942.5	5297.3	5804.1	6445.2	7113.5	7758.3	8261.3	8440.0
25°	4045.6	4574.2	4910.6	5275.2	5691.7	6244.1	6954.6	7697.1	8332.2	8757.3	8976.5
22.5°	4397.3	4918.5	5279.7	5588.5	6133.1	6769.6	7429.1	8268.2	8941.0	9280.2	9517.8
20°	4760.3	5350.1	5907.9	6195.2	6666.4	7472.3	8210.6	9002.7	9652.5	10005.9	10256.2
17.5°	5266.9	6018.3	6702.5	7109.3	7614.0	8577.6	9498.7	10300.1	11204.0	11523.2	11829.1
15°	5801.0	6670.7	7472.2	8116.6	8768.5	9723.2	10909.0	11876.0	12907.4	13368.0	13888.7
12.5°	6333.4	7156.4	7882.5	8713.9	9632.5	10477.1	11606.0	12810.2	13746.1	14333.5	14684.1
10°	6731.3	7495.7	8194.4	9027.8	9944.8	10900.1	12021.9	13256.3	14236.0	14737.3	15023.4
7.5°	6946.1	7677.7	8414.8	9259.2	10172.1	11189.6	12345.5	13570.0	14571.8	15057.5	15340.1
5°	7105.7	7808.3	8571.5	9460.4	10383.5	11415.2	12569.4	13779.4	14692.9	15209.0	15566.3
2.5°	7202.2	7891.0	8671.3	9590.4	10515.8	11590.3	12800.3	14054.6	14853.8	15269.0	15597.6
0°	7230.2	7924.0	8727.4	9658.5	10607.9	11691.3	12890.2	14131.8	14941.2	15342.9	15677.6
-2.5°	7261.7	7976.1	8801.5	9702.6	10644.1	11724.3	12948.1	14157.9	14886.1	15291.4	15609.8
-5°	7239.7	7980.1	8803.0	9666.1	10613.7	11685.4	12860.2	13991.4	14753.1	15191.3	15507.9
-7.5°	7174.3	7925.1	8739.5	9569.1	10498.6	11582.4	12752.3	13841.6	14613.2	15075.3	15421.7
-10°	7078.9	7807.9	8627.9	9468.0	10386.4	11418.1	12570.0	13652.7	14391.2	14881.9	15285.7
-12.5°	6973.3	7687.2	8477.5	9283.4	10191.7	11210.6	12326.7	13351.6	14085.7	14621.0	14909.4
-15°	6816.7	7530.2	8285.8	9065.2	9950.6	10939.1	12005.2	12988.6	13709.5	14144.9	14463.8
-17.5°	6617.6	7317.6	8033.9	8773.3	9607.4	10580.8	11653.5	12623.2	13210.9	13599.8	13913.2
-20°	6404.3	7051.6	7730.3	8428.0	9236.4	10200.7	11254.1	12100.0	12653.9	13027.6	13323.6



REPORT NUMBER: P627500 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	6160.6	6784.0	7405.2	8072.2	8864.9	9749.0	10679.5	11496.9	12092.5	12432.8	12706.3
-25°	5882.5	6488.9	7078.9	7723.0	8451.5	9246.2	10111.4	10914.7	11448.1	11809.7	12080.8
-27.5°	5583.0	6152.7	6729.0	7307.5	7962.4	8754.2	9555.5	10301.8	10757.0	11121.5	11394.3
-30°	5284.1	5796.5	6329.7	6877.3	7492.0	8205.9	8955.4	9582.9	10063.1	10417.1	10670.4
-32.5°	4960.1	5446.4	5918.8	6430.6	7009.4	7638.5	8296.3	8893.2	9406.2	9730.5	9944.0
-35°	4628.3	5099.0	5531.4	5996.0	6506.5	7049.4	7656.6	8245.3	8752.0	9008.5	9216.6
-37.5°	4282.7	4752.1	5162.0	5550.1	5989.9	6492.7	7084.0	7645.7	8083.5	8304.0	8491.5
-40°	3982.1	4395.4	4764.3	5135.7	5493.3	5939.8	6491.6	7035.5	7386.6	7601.6	7775.8
-42.5°	3690.4	4039.0	4341.1	4674.0	5031.9	5472.1	5917.3	6373.3	6655.6	6894.2	7077.7
-45°	3350.5	3662.2	3945.5	4222.4	4548.7	4950.6	5355.1	5720.4	5984.8	6215.4	6394.0
-47.5°	2974.8	3275.6	3550.7	3798.3	4101.6	4436.8	4777.3	5081.3	5342.4	5570.3	5729.7
-50°	2624.5	2893.3	3161.9	3412.4	3675.3	3946.5	4222.7	4489.5	4737.3	4958.7	5094.4
-52.5°	2310.8	2558.7	2793.5	3012.6	3242.6	3471.7	3700.5	3944.8	4172.8	4382.3	4490.7
-55°	2026.9	2250.5	2462.3	2646.9	2831.4	3013.1	3209.2	3434.8	3644.8	3838.9	3916.6
-57.5°	1772.0	1963.4	2150.9	2306.9	2457.5	2602.1	2774.3	2964.7	3148.5	3314.8	3378.5
-60°	1537.6	1689.4	1846.2	1984.7	2115.9	2239.9	2390.1	2543.4	2692.5	2817.9	2872.1
-62.5°	1322.0	1451.9	1570.7	1683.2	1794.4	1906.0	2027.1	2148.8	2269.2	2365.8	2414.7
-65°	1114.1	1217.5	1313.0	1405.5	1495.3	1589.0	1683.9	1776.3	1865.4	1934.5	1976.9
-67.5°	918.9	997.5	1073.3	1145.4	1220.5	1296.5	1370.7	1441.5	1508.5	1561.9	1602.4
-70°	746.0	806.8	866.1	925.7	988.5	1047.5	1103.4	1156.4	1206.2	1244.7	1275.9
-72.5°	601.3	650.7	701.9	755.6	806.3	850.5	890.6	929.4	966.4	988.2	1004.4
-75°	484.7	526.3	570.8	614.3	656.7	690.3	719.7	748.3	775.7	777.2	771.7
-77.5°	391.6	428.7	463.2	497.4	531.2	551.8	569.9	588.5	607.3	596.4	579.3
-80°	287.4	318.3	347.6	377.0	406.4	418.7	427.2	434.6	440.9	426.6	409.1
-82.5°	190.8	210.2	229.3	248.6	268.3	276.1	281.9	286.8	290.6	277.8	263.0
-85°	106.4	115.8	125.0	134.3	143.6	149.1	154.1	158.7	162.9	155.2	146.6
-87.5°	44.2	46.4	48.5	50.5	52.5	54.5	56.4	58.2	60.1	60.3	60.5
-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: P627500 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	35.0
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°	1.8	0.3	0.0	0.0	0.0	0.3	1.8	3.1	4.0	4.5	4.4
62.5°	11.2	11.7	12.1	12.2	12.1	11.7	11.2	10.7	10.3	10.8	11.6
60°	21.5	18.9	18.2	18.3	18.2	18.9	21.5	23.4	24.2	35.4	41.5
57.5°	168.7	144.4	148.1	164.3	148.1	144.4	168.7	182.7	183.6	213.2	214.4
55°	788.4	880.1	912.5	894.6	912.5	880.1	788.4	691.4	598.9	570.2	570.4
52.5°	1068.2	1105.8	1120.3	1119.8	1120.3	1105.8	1068.2	1017.8	954.0	891.1	829.4
50°	1390.7	1377.9	1358.3	1338.9	1358.3	1377.9	1390.7	1376.2	1328.3	1235.1	1085.9
47.5°	2320.9	2280.7	2263.7	2294.4	2263.7	2280.7	2320.9	2294.8	2116.1	1884.3	1713.3
45°	3084.2	3131.3	3166.5	3164.7	3166.5	3131.3	3084.2	3044.7	2850.8	2585.4	2312.8
42.5°	3518.8	3543.9	3551.2	3542.1	3551.2	3543.9	3518.8	3474.9	3250.9	2967.4	2655.2
40°	3906.1	3936.1	3952.9	3968.1	3952.9	3936.1	3906.1	3848.4	3664.9	3400.7	3107.1
37.5°	4477.1	4488.1	4464.2	4448.9	4464.2	4488.1	4477.1	4440.8	4330.5	3993.3	3754.7
35°	5877.1	5905.8	5839.4	5909.5	5839.4	5905.8	5877.1	5733.5	5563.1	5363.3	4820.0
32.5°	7219.8	7354.1	7462.8	7552.8	7462.8	7354.1	7219.8	7082.5	6967.2	6581.7	5871.3
30°	7980.3	8067.0	8113.6	8124.8	8113.6	8067.0	7980.3	7873.5	7720.4	7227.4	6570.5
27.5°	8538.8	8629.6	8686.2	8727.4	8686.2	8629.6	8538.8	8440.0	8261.3	7758.3	7113.5
25°	9076.9	9160.0	9216.6	9238.6	9216.6	9160.0	9076.9	8976.5	8757.3	8332.2	7697.1
22.5°	9635.4	9693.2	9747.5	9774.2	9747.5	9693.2	9635.4	9517.8	9280.2	8941.0	8268.2
20°	10436.0	10404.6	10454.2	10437.5	10454.2	10404.6	10436.0	10256.2	10005.9	9652.5	9002.7
17.5°	12067.6	12084.5	12117.6	12172.1	12117.6	12084.5	12067.6	11829.1	11523.2	11204.0	10300.1
15°	14119.4	14160.7	14370.6	14557.8	14370.6	14160.7	14119.4	13888.7	13368.0	12907.4	11876.0
12.5°	15009.4	15152.3	15174.5	15227.2	15174.5	15152.3	15009.4	14684.1	14333.5	13746.1	12810.2
10°	15306.4	15553.9	15548.6	15610.7	15548.6	15553.9	15306.4	15023.4	14737.3	14236.0	13256.3
7.5°	15531.8	15797.5	15909.8	15957.6	15909.8	15797.5	15531.8	15340.1	15057.5	14571.8	13570.0
5°	15807.0	15953.0	16146.9	16091.5	16146.9	15953.0	15807.0	15566.3	15209.0	14692.9	13779.4
2.5°	15922.3	16151.2	16098.3	16152.3	16098.3	16151.2	15922.3	15597.6	15269.0	14853.8	14054.6
0°	16000.2	16164.5	16188.8	16243.6	16188.8	16164.5	16000.2	15677.6	15342.9	14941.2	14131.8
-2.5°	15905.8	16050.4	16303.6	16225.4	16303.6	16050.4	15905.8	15609.8	15291.4	14886.1	14157.9
-5°	15823.0	16179.0	16040.8	16213.2	16040.8	16179.0	15823.0	15507.9	15191.3	14753.1	13991.4
-7.5°	15780.3	15844.0	15935.7	16067.1	15935.7	15844.0	15780.3	15421.7	15075.3	14613.2	13841.6
-10°	15450.0	15515.1	15683.6	15775.0	15683.6	15515.1	15450.0	15285.7	14881.9	14391.2	13652.7
-12.5°	15091.7	15217.8	15394.9	15452.4	15394.9	15217.8	15091.7	14909.4	14621.0	14085.7	13351.6
-15°	14679.0	14866.3	15038.9	15075.1	15038.9	14866.3	14679.0	14463.8	14144.9	13709.5	12988.6
-17.5°	14154.2	14378.8	14560.1	14600.4	14560.1	14378.8	14154.2	13913.2	13599.8	13210.9	12623.2
-20°	13576.0	13791.1	13945.3	13991.8	13945.3	13791.1	13576.0	13323.6	13027.6	12653.9	12100.0



REPORT NUMBER: P627500 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-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°
-22.5°	12957.0	13150.6	13280.9	13261.5	13280.9	13150.6	12957.0	12706.3	12432.8	12092.5	11496.9
-25°	12299.7	12479.4	12603.6	12585.9	12603.6	12479.4	12299.7	12080.8	11809.7	11448.1	10914.7
-27.5°	11604.8	11775.0	11894.4	11898.2	11894.4	11775.0	11604.8	11394.3	11121.5	10757.0	10301.8
-30°	10874.6	11029.2	11126.2	11088.7	11126.2	11029.2	10874.6	10670.4	10417.1	10063.1	9582.9
-32.5°	10121.5	10261.4	10350.3	10376.7	10350.3	10261.4	10121.5	9944.0	9730.5	9406.2	8893.2
-35°	9378.7	9502.0	9578.8	9597.7	9578.8	9502.0	9378.7	9216.6	9008.5	8752.0	8245.3
-37.5°	8640.7	8746.7	8800.3	8776.1	8800.3	8746.7	8640.7	8491.5	8304.0	8083.5	7645.7
-40°	7911.3	8012.3	8073.7	8088.3	8073.7	8012.3	7911.3	7775.8	7601.6	7386.6	7035.5
-42.5°	7194.2	7278.2	7332.1	7358.0	7332.1	7278.2	7194.2	7077.7	6894.2	6655.6	6373.3
-45°	6498.3	6573.4	6624.0	6652.0	6624.0	6573.4	6498.3	6394.0	6215.4	5984.8	5720.4
-47.5°	5821.2	5887.1	5930.7	5952.1	5930.7	5887.1	5821.2	5729.7	5570.3	5342.4	5081.3
-50°	5173.8	5230.8	5271.4	5294.8	5271.4	5230.8	5173.8	5094.4	4958.7	4737.3	4489.5
-52.5°	4559.7	4609.5	4644.2	4661.9	4644.2	4609.5	4559.7	4490.7	4382.3	4172.8	3944.8
-55°	3973.4	4013.8	4045.8	4065.5	4045.8	4013.8	3973.4	3916.6	3838.9	3644.8	3434.8
-57.5°	3426.6	3459.6	3490.0	3511.6	3490.0	3459.6	3426.6	3378.5	3314.8	3148.5	2964.7
-60°	2914.8	2946.0	2971.8	2988.2	2971.8	2946.0	2914.8	2872.1	2817.9	2692.5	2543.4
-62.5°	2453.0	2480.5	2504.2	2519.6	2504.2	2480.5	2453.0	2414.7	2365.8	2269.2	2148.8
-65°	2010.2	2034.9	2052.6	2063.2	2052.6	2034.9	2010.2	1976.9	1934.5	1865.4	1776.3
-67.5°	1636.9	1665.4	1671.1	1667.6	1671.1	1665.4	1636.9	1602.4	1561.9	1508.5	1441.5
-70°	1303.8	1327.9	1333.6	1332.8	1333.6	1327.9	1303.8	1275.9	1244.7	1206.2	1156.4
-72.5°	1019.5	1032.6	1021.4	1004.2	1021.4	1032.6	1019.5	1004.4	988.2	966.4	929.4
-75°	765.0	756.7	744.8	730.3	744.8	756.7	765.0	771.7	777.2	775.7	748.3
-77.5°	560.3	539.6	526.0	511.2	526.0	539.6	560.3	579.3	596.4	607.3	588.5
-80°	390.1	369.7	355.7	340.8	355.7	369.7	390.1	409.1	426.6	440.9	434.6
-82.5°	247.1	230.4	221.9	213.0	221.9	230.4	247.1	263.0	277.8	290.6	286.8
-85°	137.2	127.4	121.6	115.6	121.6	127.4	137.2	146.6	155.2	162.9	158.7
-87.5°	60.7	60.8	57.8	54.8	57.8	60.8	60.7	60.5	60.3	60.1	58.2
-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: P627500 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-727-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	33.5	31.9	30.4	28.9	27.4	25.8	24.3	22.8	21.3	19.8	18.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.2	0.2	0.0	0.0	0.5	0.8	0.3	0.0	0.6
67.5°	0.0	0.0	1.1	2.5	3.2	3.1	2.8	3.1	3.6	3.3	3.1
65°	3.7	2.3	1.4	3.0	4.6	6.1	6.4	5.6	5.5	6.3	7.5
62.5°	12.3	12.8	11.1	9.3	8.0	8.9	9.7	10.4	9.0	7.2	9.5
60°	36.7	22.3	32.6	34.8	27.7	24.0	36.0	34.2	17.9	15.4	13.8
57.5°	176.5	147.8	162.2	147.4	100.9	88.0	91.2	87.0	78.8	48.2	20.6
55°	608.6	521.5	409.7	353.9	341.0	260.8	194.3	162.2	147.1	106.2	70.4
52.5°	773.1	718.7	634.1	517.4	455.2	431.9	369.2	295.4	234.6	187.7	134.7
50°	969.3	983.8	896.9	735.5	671.7	602.6	541.8	456.4	379.5	304.4	224.6
47.5°	1581.3	1473.0	1385.9	1265.4	1036.6	890.6	794.7	654.8	549.3	458.5	360.1
45°	2108.3	1984.4	1899.2	1712.3	1469.2	1243.3	1092.5	917.2	730.6	608.9	519.7
42.5°	2482.7	2322.1	2182.3	2029.8	1797.6	1542.8	1335.8	1162.4	966.2	769.1	650.4
40°	2849.0	2594.6	2455.9	2319.5	2100.6	1814.7	1653.5	1398.7	1193.9	975.4	813.3
37.5°	3395.3	2962.9	2913.8	2782.4	2534.8	2237.5	2056.1	1804.8	1424.9	1218.8	1032.5
35°	4318.6	3873.1	3615.9	3487.0	3166.0	2787.1	2488.6	2253.9	1876.9	1471.1	1256.4
32.5°	5336.1	4772.3	4381.9	4198.0	3853.5	3339.4	2971.1	2672.5	2294.2	1835.0	1490.5
30°	5910.6	5396.4	4926.3	4611.9	4277.1	3835.1	3412.5	2990.9	2580.2	2200.2	1744.2
27.5°	6445.2	5804.1	5297.3	4942.5	4628.9	4204.0	3736.4	3284.6	2833.2	2457.8	2051.1
25°	6954.6	6244.1	5691.7	5275.2	4910.6	4574.2	4045.6	3551.9	3081.1	2666.2	2348.1
22.5°	7429.1	6769.6	6133.1	5588.5	5279.7	4918.5	4397.3	3799.3	3339.4	2990.4	2616.1
20°	8210.6	7472.3	6666.4	6195.2	5907.9	5350.1	4760.3	4169.1	3746.6	3347.0	2906.7
17.5°	9498.7	8577.6	7614.0	7109.3	6702.5	6018.3	5266.9	4680.2	4152.8	3707.5	3222.9
15°	10909.0	9723.2	8768.5	8116.6	7472.2	6670.7	5801.0	5167.2	4567.9	4066.9	3513.5
12.5°	11606.0	10477.1	9632.5	8713.9	7882.5	7156.4	6333.4	5634.6	4954.4	4301.5	3693.3
10°	12021.9	10900.1	9944.8	9027.8	8194.4	7495.7	6731.3	5903.5	5147.8	4456.9	3843.2
7.5°	12345.5	11189.6	10172.1	9259.2	8414.8	7677.7	6946.1	6078.3	5302.4	4582.4	3963.5
5°	12569.4	11415.2	10383.5	9460.4	8571.5	7808.3	7105.7	6210.6	5417.7	4677.7	4054.9
2.5°	12800.3	11590.3	10515.8	9590.4	8671.3	7891.0	7202.2	6311.7	5511.3	4748.4	4131.0
0°	12890.2	11691.3	10607.9	9658.5	8727.4	7924.0	7230.2	6378.2	5574.8	4789.7	4181.1
-2.5°	12948.1	11724.3	10644.1	9702.6	8801.5	7976.1	7261.7	6452.8	5594.9	4834.2	4195.1
-5°	12860.2	11685.4	10613.7	9666.1	8803.0	7980.1	7239.7	6463.8	5589.8	4846.1	4184.3
-7.5°	12752.3	11582.4	10498.6	9569.1	8739.5	7925.1	7174.3	6415.4	5570.7	4826.7	4163.7
-10°	12570.0	11418.1	10386.4	9468.0	8627.9	7807.9	7078.9	6323.6	5508.4	4771.5	4115.3
-12.5°	12326.7	11210.6	10191.7	9283.4	8477.5	7687.2	6973.3	6196.7	5402.3	4679.5	4038.8
-15°	12005.2	10939.1	9950.6	9065.2	8285.8	7530.2	6816.7	6056.3	5298.8	4566.0	3933.8
-17.5°	11653.5	10580.8	9607.4	8773.3	8033.9	7317.6	6617.6	5908.9	5179.6	4459.7	3839.3
-20°	11254.1	10200.7	9236.4	8428.0	7730.3	7051.6	6404.3	5743.9	5014.0	4337.3	3740.1

Classified

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

Scaled Data Report



REPORT NUMBER: P627500 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4E-727-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	10679.5	9749.0	8864.9	8072.2	7405.2	6784.0	6160.6	5522.2	4799.3	4184.0	3605.0
-25°	10111.4	9246.2	8451.5	7723.0	7078.9	6488.9	5882.5	5249.6	4608.2	4003.9	3439.8
-27.5°	9555.5	8754.2	7962.4	7307.5	6729.0	6152.7	5583.0	4984.2	4393.7	3801.4	3284.6
-30°	8955.4	8205.9	7492.0	6877.3	6329.7	5796.5	5284.1	4725.0	4144.0	3581.9	3117.2
-32.5°	8296.3	7638.5	7009.4	6430.6	5918.8	5446.4	4960.1	4430.1	3856.0	3376.8	2923.3
-35°	7656.6	7049.4	6506.5	5996.0	5531.4	5099.0	4628.3	4097.6	3593.5	3143.8	2704.5
-37.5°	7084.0	6492.7	5989.9	5550.1	5162.0	4752.1	4282.7	3811.8	3337.8	2884.4	2501.1
-40°	6491.6	5939.8	5493.3	5135.7	4764.3	4395.4	3982.1	3544.3	3076.6	2633.7	2301.5
-42.5°	5917.3	5472.1	5031.9	4674.0	4341.1	4039.0	3690.4	3248.4	2818.5	2433.8	2114.5
-45°	5355.1	4950.6	4548.7	4222.4	3945.5	3662.2	3350.5	2948.8	2562.7	2232.4	1931.2
-47.5°	4777.3	4436.8	4101.6	3798.3	3550.7	3275.6	2974.8	2634.4	2318.0	2020.4	1753.6
-50°	4222.7	3946.5	3675.3	3412.4	3161.9	2893.3	2624.5	2349.8	2067.5	1808.1	1566.0
-52.5°	3700.5	3471.7	3242.6	3012.6	2793.5	2558.7	2310.8	2066.4	1818.1	1601.3	1385.1
-55°	3209.2	3013.1	2831.4	2646.9	2462.3	2250.5	2026.9	1806.7	1608.6	1409.4	1233.2
-57.5°	2774.3	2602.1	2457.5	2306.9	2150.9	1963.4	1772.0	1586.0	1421.6	1256.8	1093.7
-60°	2390.1	2239.9	2115.9	1984.7	1846.2	1689.4	1537.6	1390.3	1248.2	1113.6	973.2
-62.5°	2027.1	1906.0	1794.4	1683.2	1570.7	1451.9	1322.0	1203.1	1093.0	979.7	852.7
-65°	1683.9	1589.0	1495.3	1405.5	1313.0	1217.5	1114.1	1020.1	930.1	838.2	728.4
-67.5°	1370.7	1296.5	1220.5	1145.4	1073.3	997.5	918.9	840.5	767.2	692.2	603.0
-70°	1103.4	1047.5	988.5	925.7	866.1	806.8	746.0	682.5	615.5	554.2	493.2
-72.5°	890.6	850.5	806.3	755.6	701.9	650.7	601.3	551.8	500.9	448.5	395.2
-75°	719.7	690.3	656.7	614.3	570.8	526.3	484.7	442.2	395.6	344.8	295.3
-77.5°	569.9	551.8	531.2	497.4	463.2	428.7	391.6	345.2	297.9	251.0	210.1
-80°	427.2	418.7	406.4	377.0	347.6	318.3	287.4	246.9	206.6	168.8	138.4
-82.5°	281.9	276.1	268.3	248.6	229.3	210.2	190.8	162.6	135.6	110.1	87.6
-85°	154.1	149.1	143.6	134.3	125.0	115.8	106.4	90.9	76.3	62.7	50.5
-87.5°	56.4	54.5	52.5	50.5	48.5	46.4	44.2	39.7	35.2	30.9	26.9
-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: P627500 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-727-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	16.8	15.3	13.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	2.0	3.2
85°	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.4	1.0	1.8
82.5°	0.0	0.0	0.0	0.1	1.0	1.6	1.8	1.6	0.9	0.1	0.5
80°	0.0	0.0	0.0	0.2	1.5	3.3	4.0	4.2	3.2	2.2	1.2
77.5°	0.0	0.0	0.0	0.1	0.6	1.8	3.5	5.5	5.5	4.3	3.0
75°	0.0	0.0	0.0	0.2	0.4	0.1	1.3	3.2	5.0	6.0	4.8
72.5°	0.0	0.0	0.0	0.8	1.6	1.7	1.0	1.1	3.5	5.2	6.0
70°	0.9	0.3	0.0	1.0	2.5	3.7	3.5	2.8	2.3	4.5	5.8
67.5°	2.9	3.1	2.3	1.7	2.8	4.2	5.7	5.4	4.7	4.0	5.6
65°	7.1	6.6	6.0	5.3	4.6	4.5	5.9	7.5	7.1	6.1	5.6
62.5°	10.7	10.6	9.8	8.9	7.9	6.9	6.4	8.4	9.3	8.2	6.9
60°	13.7	14.3	13.7	12.5	11.3	10.0	9.1	9.6	10.6	10.3	8.7
57.5°	18.9	18.5	18.2	16.5	14.6	13.0	12.2	11.9	12.2	12.1	10.6
55°	33.4	23.2	23.4	21.6	18.6	16.1	15.4	14.8	14.2	13.9	12.4
52.5°	84.5	46.9	30.1	27.8	24.2	19.9	18.5	17.7	16.8	15.9	14.1
50°	156.1	101.0	57.2	35.9	30.6	26.1	21.7	20.5	19.3	18.1	15.9
47.5°	249.9	173.7	112.9	56.6	39.5	32.6	27.1	23.4	21.9	20.3	17.6
45°	384.9	256.0	177.5	112.1	52.6	45.0	33.5	26.2	24.4	22.4	19.2
42.5°	535.5	375.6	249.0	169.4	100.6	62.3	40.1	31.8	26.9	24.7	21.1
40°	683.2	519.1	334.5	233.6	151.7	83.5	57.7	38.0	29.5	27.1	23.1
37.5°	846.6	670.9	468.6	302.0	203.9	127.4	79.0	44.2	33.5	29.6	25.2
35°	1048.8	839.3	602.8	402.4	270.0	168.2	102.8	56.3	41.2	32.3	27.4
32.5°	1250.6	1007.5	747.8	519.1	339.1	205.8	133.7	80.3	50.2	35.1	29.7
30°	1453.7	1161.4	884.3	627.1	418.6	266.1	167.0	103.7	60.4	38.0	32.0
27.5°	1636.6	1306.7	1012.2	740.0	511.8	329.9	201.9	126.3	71.8	43.1	34.4
25°	1843.2	1463.8	1138.0	847.9	597.1	396.3	237.6	148.5	88.5	51.9	36.8
22.5°	2109.1	1625.1	1254.5	945.7	681.5	459.8	283.6	177.8	106.8	61.1	39.2
20°	2373.4	1782.8	1368.7	1068.3	773.4	531.3	336.7	206.9	124.1	70.8	41.6
17.5°	2632.8	1984.8	1534.9	1193.5	871.7	598.2	386.4	235.5	140.5	80.6	44.0
15°	2865.4	2216.3	1698.3	1311.9	967.9	660.0	432.3	263.3	155.9	90.4	47.0
12.5°	3060.7	2415.8	1852.1	1422.7	1060.7	716.5	474.3	289.9	170.1	101.4	51.3
10°	3222.1	2584.5	1994.7	1525.1	1148.2	767.3	512.1	316.6	186.7	113.0	55.7
7.5°	3351.0	2723.9	2124.5	1618.0	1227.7	814.9	552.7	344.7	202.7	124.0	60.2
5°	3448.0	2832.7	2224.8	1684.7	1290.9	858.5	590.3	370.5	217.7	134.4	64.7
2.5°	3511.1	2912.7	2299.1	1736.9	1342.3	895.3	623.2	393.7	231.3	143.8	69.0
0°	3548.2	2970.0	2355.3	1777.1	1381.5	925.1	651.2	413.8	243.4	152.2	73.0
-2.5°	3581.4	3007.5	2404.4	1847.1	1408.5	974.0	669.1	432.0	262.6	158.2	80.4
-5°	3592.3	3024.0	2436.5	1901.1	1424.7	1013.5	681.7	446.8	279.5	163.1	87.2
-7.5°	3573.8	3014.1	2447.8	1931.7	1432.4	1041.4	689.0	458.4	293.2	166.9	93.2
-10°	3532.6	2981.5	2432.9	1922.5	1442.7	1050.2	693.2	467.0	303.2	169.7	98.1
-12.5°	3471.6	2932.2	2400.9	1902.1	1440.9	1044.6	704.7	473.6	308.4	171.6	101.8
-15°	3391.6	2867.7	2352.0	1871.9	1423.6	1032.0	707.6	476.0	307.8	175.2	104.0
-17.5°	3297.5	2789.6	2286.5	1833.5	1389.9	1013.1	701.2	473.1	304.7	180.4	106.2
-20°	3203.3	2702.7	2208.8	1788.1	1338.9	988.5	684.9	464.4	299.2	183.8	108.4

Classified

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REPORT NUMBER: P627500 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4E-727-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	3092.8	2603.0	2141.6	1724.7	1283.8	958.9	658.2	449.6	291.2	185.3	109.4
-25°	2965.9	2486.6	2060.8	1637.7	1240.4	925.4	630.7	428.6	280.8	184.8	109.0
-27.5°	2822.4	2362.2	1965.7	1542.3	1195.3	878.6	604.5	413.2	272.0	182.1	107.4
-30°	2662.2	2245.1	1852.0	1450.6	1140.2	828.1	570.4	395.9	268.1	178.7	104.4
-32.5°	2489.6	2113.1	1729.8	1380.7	1077.5	775.6	540.2	376.3	261.4	174.4	104.6
-35°	2327.8	1969.7	1605.1	1300.1	1011.0	744.5	520.0	354.7	251.9	168.3	105.1
-37.5°	2154.5	1819.2	1506.3	1216.0	941.0	708.8	503.7	345.0	239.7	160.6	104.7
-40°	1987.7	1676.5	1392.0	1135.8	889.2	668.6	477.9	334.1	228.0	151.1	103.3
-42.5°	1819.0	1542.4	1282.6	1048.6	840.3	629.7	445.0	317.5	218.6	145.7	101.0
-45°	1663.6	1403.8	1166.3	972.5	786.0	579.9	419.7	296.7	206.9	141.7	98.8
-47.5°	1500.3	1262.7	1060.0	889.3	714.9	525.8	387.5	280.3	193.0	136.6	97.4
-50°	1331.7	1129.2	960.5	797.7	628.0	480.6	353.1	260.8	188.0	132.6	95.0
-52.5°	1184.3	1011.8	858.8	703.6	562.3	427.8	326.9	239.8	181.3	129.2	91.6
-55°	1057.3	900.2	758.6	626.5	499.8	389.0	297.4	229.8	173.1	125.0	87.5
-57.5°	945.0	796.7	676.3	557.7	447.6	351.6	276.6	218.0	164.4	119.1	83.8
-60°	835.8	714.1	601.7	495.9	399.0	319.3	260.3	204.3	154.2	111.7	79.7
-62.5°	734.9	627.8	529.9	434.4	355.3	293.0	241.7	188.4	142.0	102.4	74.2
-65°	629.1	537.8	455.1	380.0	315.7	262.2	217.7	170.4	126.1	91.2	67.2
-67.5°	519.1	452.1	387.5	325.0	272.4	227.6	190.1	146.4	107.3	78.2	59.0
-70°	432.3	373.3	318.6	269.5	226.7	190.1	155.4	118.3	86.5	67.0	50.3
-72.5°	344.1	296.0	251.2	212.2	181.6	150.5	118.9	90.6	71.8	55.3	41.1
-75°	254.7	222.2	193.0	165.9	138.3	111.2	90.7	72.0	56.5	43.0	34.7
-77.5°	184.9	161.4	139.9	122.7	103.7	85.6	68.4	52.8	42.8	35.7	29.2
-80°	125.6	113.2	101.4	89.3	74.1	59.7	49.4	40.6	34.5	28.8	23.5
-82.5°	79.1	72.5	66.6	60.5	51.7	43.7	36.6	30.6	26.0	21.7	19.1
-85°	46.9	43.4	39.9	36.5	31.6	27.3	25.2	23.3	21.3	19.3	17.3
-87.5°	26.5	26.1	25.7	25.2	24.0	22.8	21.8	20.8	19.1	17.3	15.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	3.0	4.6

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REPORT NUMBER: P627500 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4E-727-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	12.2	10.7	9.2	7.6	6.1	6.1	6.1
87.5°	4.5	5.1	5.6	5.9	6.1	6.1	6.1
85°	3.0	4.1	5.0	5.7	6.1	6.1	6.1
82.5°	1.4	3.2	4.5	5.5	6.1	6.1	6.1
80°	0.3	2.3	4.1	5.3	6.1	6.1	6.1
77.5°	1.9	2.0	3.6	5.2	6.1	6.1	6.1
75°	3.4	3.0	3.3	5.0	6.1	6.1	6.1
72.5°	4.9	4.0	3.9	4.9	6.1	6.1	6.1
70°	6.1	4.9	4.4	4.9	6.1	6.1	6.1
67.5°	6.3	5.7	4.9	5.1	6.1	6.1	6.1
65°	6.5	6.3	5.3	5.3	6.1	6.1	6.1
62.5°	6.8	6.8	5.7	5.5	6.1	6.1	6.1
60°	7.3	7.3	6.1	5.6	6.1	6.1	6.1
57.5°	8.7	7.9	6.7	5.8	6.2	6.1	6.1
55°	10.2	8.5	7.3	5.9	6.3	6.1	6.1
52.5°	11.7	9.3	7.9	6.0	6.4	6.1	6.1
50°	13.2	10.6	8.6	6.1	6.5	6.1	6.1
47.5°	14.7	11.8	9.3	6.2	6.7	6.1	6.1
45°	16.1	13.0	10.1	6.8	6.8	6.1	6.1
42.5°	17.5	14.2	10.8	7.4	7.0	6.1	6.1
40°	18.9	15.3	11.7	8.1	7.3	6.1	6.1
37.5°	20.2	16.4	12.5	8.9	7.5	6.1	6.1
35°	21.4	17.4	13.4	9.7	7.8	6.1	6.1
32.5°	22.8	18.5	14.2	10.5	8.0	6.1	6.1
30°	24.6	19.4	15.0	11.2	8.3	6.1	6.1
27.5°	26.4	20.4	15.9	12.0	8.6	6.1	6.1
25°	28.2	21.2	16.9	12.7	9.0	6.1	6.1
22.5°	30.0	22.2	17.8	13.4	9.3	6.1	6.1
20°	31.8	23.3	18.7	14.0	9.6	6.1	6.1
17.5°	33.5	24.3	19.5	14.7	10.0	6.1	6.1
15°	35.2	25.3	20.3	15.3	10.3	6.1	6.1
12.5°	36.8	26.3	21.1	15.9	10.6	6.1	6.1
10°	38.2	27.2	21.8	16.4	11.0	6.1	6.1
7.5°	39.5	28.1	22.5	16.9	11.3	6.1	6.1
5°	40.7	28.9	23.2	17.4	11.6	6.1	6.1
2.5°	41.7	29.7	23.7	17.9	11.9	6.1	6.1
0°	42.6	30.4	24.3	18.3	12.2	6.1	6.1
-2.5°	45.0	31.0	24.8	18.3	12.2	6.1	6.1
-5°	47.1	31.6	25.3	18.2	12.2	6.1	6.1
-7.5°	49.0	32.2	25.6	18.1	12.1	6.1	6.1
-10°	50.6	32.6	25.9	18.0	12.0	6.1	6.1
-12.5°	51.8	33.0	26.1	17.9	11.9	6.1	6.1
-15°	52.5	33.4	26.2	17.7	11.8	6.1	6.1
-17.5°	52.8	33.6	26.2	17.4	11.6	6.1	6.1
-20°	54.2	33.8	26.0	17.2	11.5	6.1	6.1

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	57.6	34.0	25.7	16.9	11.3	6.1	6.1
-25°	60.5	36.2	25.3	16.6	11.1	6.1	6.1
-27.5°	62.7	39.0	24.7	16.2	10.8	6.1	6.1
-30°	64.2	41.5	24.1	15.8	10.6	6.1	6.1
-32.5°	65.0	43.5	24.9	15.4	10.3	6.1	6.1
-35°	66.8	45.1	25.6	15.0	10.0	6.1	6.1
-37.5°	68.5	46.1	26.0	14.5	9.7	6.1	6.1
-40°	69.6	46.4	26.2	14.0	9.3	6.1	6.1
-42.5°	70.0	46.5	26.4	13.7	9.0	6.1	6.1
-45°	69.7	46.1	26.5	13.8	8.6	6.1	6.1
-47.5°	68.6	45.4	26.4	13.7	8.2	6.1	6.1
-50°	67.2	44.4	25.9	13.5	7.8	6.1	6.1
-52.5°	65.3	43.0	25.1	13.3	7.4	6.1	6.1
-55°	63.0	41.2	24.0	12.9	7.0	6.1	6.1
-57.5°	60.2	39.0	22.7	12.4	6.5	6.1	6.1
-60°	56.8	36.3	21.1	11.9	6.1	6.1	6.1
-62.5°	52.2	33.3	19.9	11.2	6.1	6.1	6.1
-65°	47.1	29.8	18.6	10.5	6.1	6.1	6.1
-67.5°	41.4	26.8	17.2	9.7	6.1	6.1	6.1
-70°	35.3	24.3	15.6	8.8	6.1	6.1	6.1
-72.5°	31.2	21.7	13.9	8.6	6.1	6.1	6.1
-75°	27.1	18.9	12.1	8.5	6.1	6.1	6.1
-77.5°	22.9	16.0	11.5	8.4	6.1	6.1	6.1
-80°	18.6	14.4	11.1	8.3	6.1	6.1	6.1
-82.5°	16.8	13.5	10.7	8.2	6.1	6.1	6.1
-85°	15.3	12.6	10.2	8.0	6.1	6.1	6.1
-87.5°	13.8	11.7	9.7	7.8	6.1	6.1	6.1
-90°	6.1	6.1	6.1	6.1	6.1	6.1	6.1

(END OF REPORT)