

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: P645533 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA5D-750-U-LAM-VSR-XX

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-2019
Report Number: P645533 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-22)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 5/4/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA5D-750-U-LAM-VSR-XX
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, LAMBERTIAN WITH VISOR
Light Source: (80) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

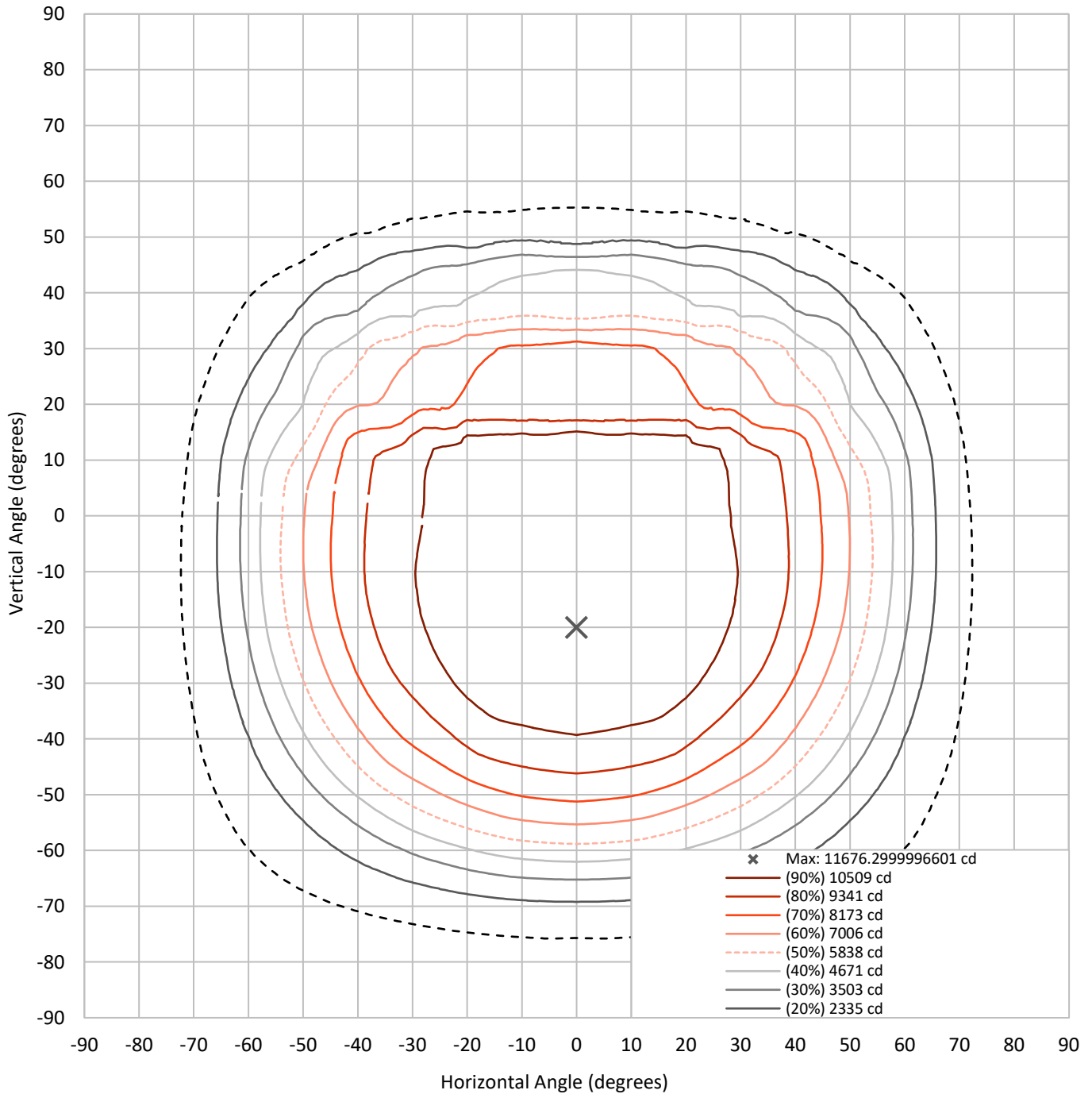
Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	27378.7 lumens	Max Intensity:	11676.3 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -20°V
Efficacy:	100.9 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	105.6°H x 93.7°V	Field Angle (10%):	144°H x 131.2°V
Beam Lumens:	21403 lumens	Field Lumens:	26835 lumens
Beam Efficiency:	78.2%	Field Efficiency:	98.0%
Input Watts (W):	271.3		
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-SA5D-750-U-LAM-VSR-XX

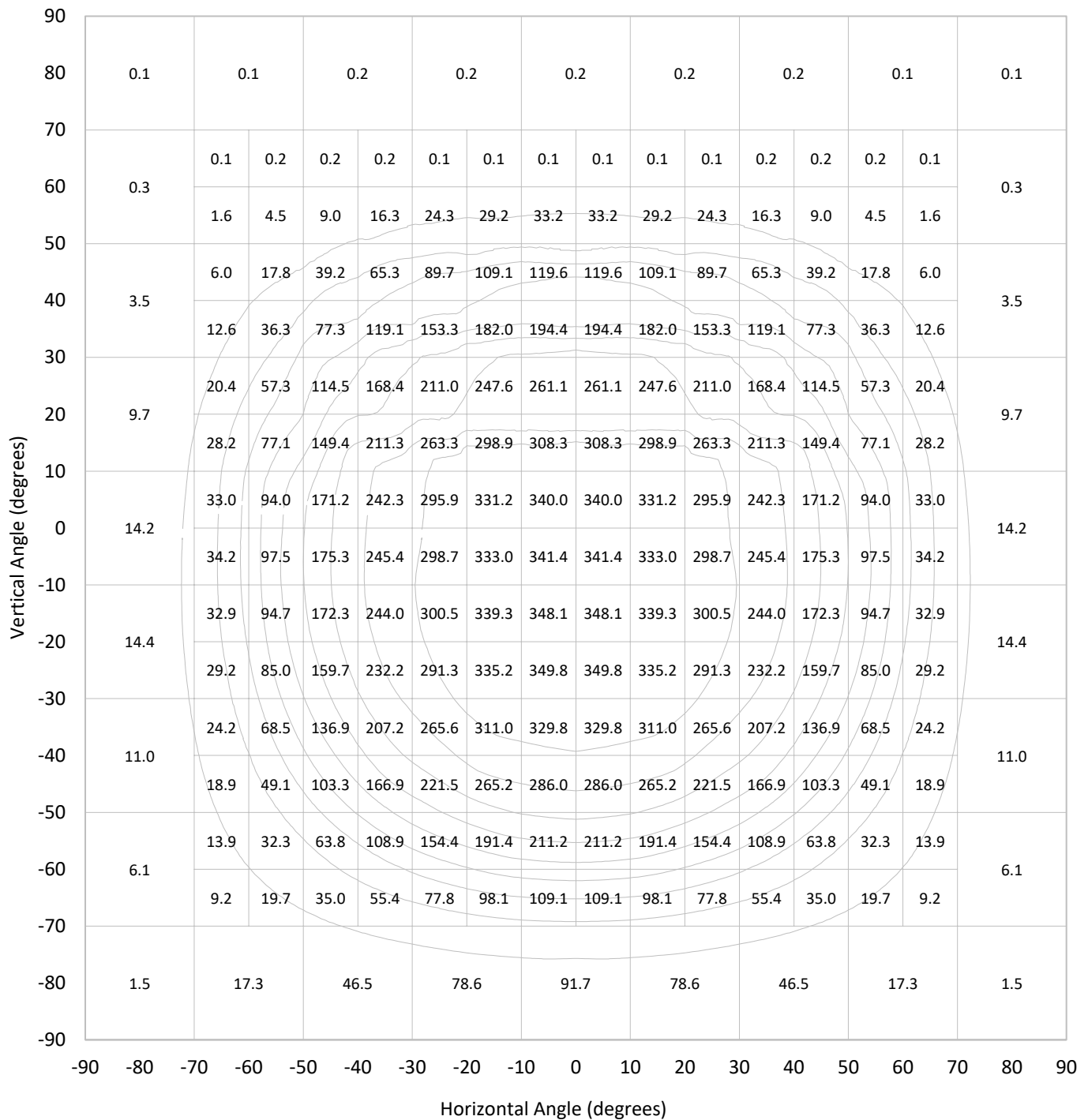
Iso-Candela Plot





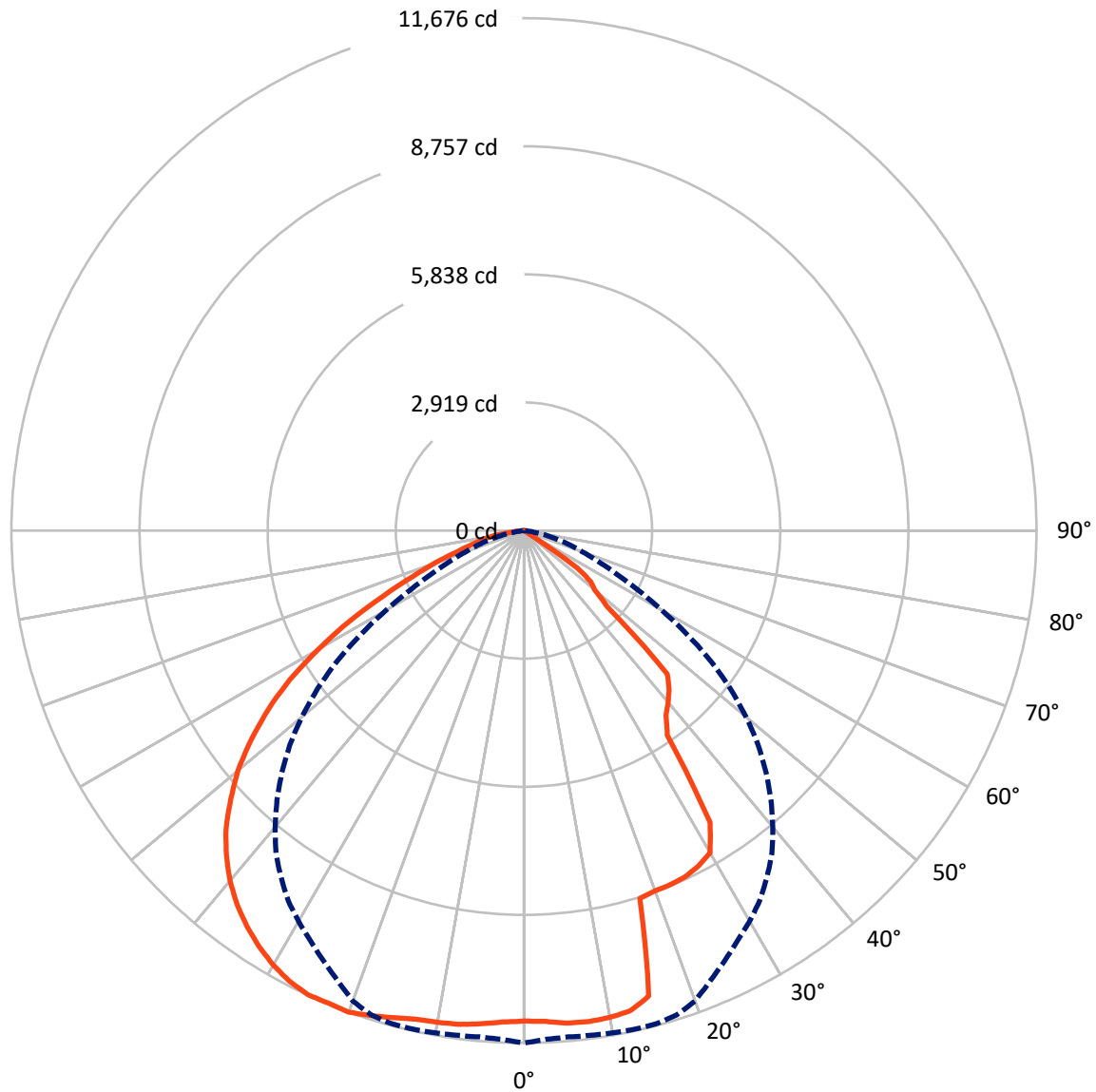
REPORT NUMBER: P645533 (CONVERTED FROM TYPE C PHOTOMETRY)
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Lumen Table



REPORT NUMBER: P645533 (CONVERTED FROM TYPE C PHOTOMETRY)
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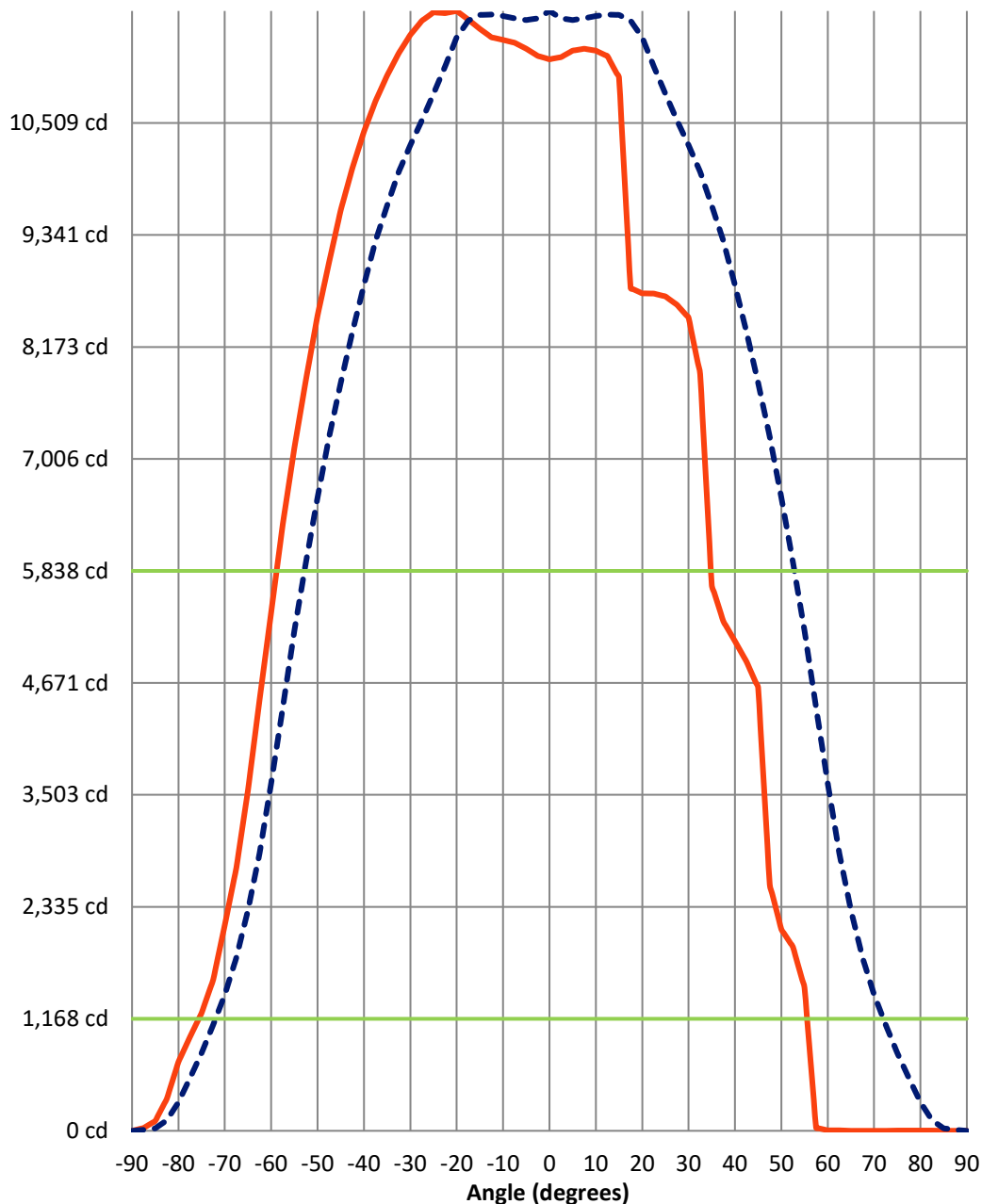
Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through -20-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 105.6°
 V Angle: 93.7°
 Lumens: 21403
 Efficiency: 78.2%

Field:
 H Angle: 144°
 V Angle: 131.2°
 Lumens: 26835
 Efficiency: 98.0%

Spill:
 Lumens: 543.7
 Efficiency: 2.0%

— Vertical Distribution through 0-Deg
 - - - Horizontal Distribution through -20-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	0.3	0.4	0.7	0.9	1.1	1.3	1.3	1.3	1.2	1.1
85°	0.0	0.5	0.9	1.3	1.7	2.2	2.6	2.6	2.6	2.4	2.1
82.5°	0.0	0.8	1.3	2.0	2.6	3.2	3.9	4.0	3.8	3.2	2.5
80°	0.0	1.1	1.7	2.6	3.5	4.3	5.0	4.4	3.8	3.2	2.6
77.5°	0.0	1.4	2.2	3.2	4.3	5.1	5.0	4.5	3.9	3.2	2.6
75°	0.0	1.6	2.6	3.9	5.0	5.2	5.1	4.5	3.9	3.3	2.7
72.5°	0.0	1.9	3.1	4.5	5.3	5.4	5.1	4.6	4.0	3.4	2.8
70°	0.0	2.2	3.5	5.0	5.5	5.6	5.3	4.6	4.0	3.5	4.0
67.5°	0.0	2.4	4.0	5.3	5.8	5.8	5.9	4.7	4.2	5.6	5.6
65°	0.0	2.7	4.4	5.5	6.0	6.6	6.7	4.8	6.6	7.8	9.8
62.5°	0.0	3.0	4.9	5.8	6.3	8.2	7.8	6.7	9.2	13.7	21.7
60°	0.0	3.2	5.3	6.1	6.6	10.0	9.2	9.4	12.0	34.6	37.7
57.5°	0.0	3.5	5.6	6.3	8.5	12.0	17.1	13.3	33.9	58.8	68.3
55°	0.0	3.7	5.9	6.6	10.6	14.2	27.2	21.5	62.9	90.7	110.6
52.5°	0.0	4.0	6.2	6.9	12.7	18.1	39.0	54.6	94.3	142.4	160.4
50°	0.0	4.2	6.5	7.1	15.0	31.0	52.6	92.3	135.0	199.9	250.6
47.5°	0.0	4.4	6.8	7.8	17.4	44.7	70.8	131.7	194.5	263.2	342.8
45°	0.0	4.7	7.1	9.7	19.9	59.5	106.7	173.0	261.1	343.1	432.2
42.5°	0.0	4.9	7.4	11.6	22.4	75.2	143.5	225.4	328.9	420.8	535.4
40°	0.0	5.1	7.7	14.0	30.2	91.8	181.2	285.0	398.7	497.1	645.8
37.5°	0.0	5.3	8.0	17.0	43.2	109.3	219.5	344.7	471.9	588.7	761.1
35°	0.0	5.6	8.3	20.3	56.4	135.8	258.5	404.4	546.2	701.3	897.4
32.5°	0.0	5.8	8.7	24.0	69.8	166.5	300.7	463.9	621.5	814.5	1063.1
30°	0.0	6.0	9.0	27.9	83.3	197.0	349.1	524.0	697.5	928.0	1222.1
27.5°	0.0	6.1	9.3	32.2	99.9	227.1	396.5	586.5	780.9	1041.3	1374.1
25°	0.0	6.3	9.6	36.6	117.0	256.7	442.7	648.4	875.1	1165.1	1519.0
22.5°	0.0	6.5	10.0	41.2	134.0	287.0	487.6	709.2	967.4	1288.8	1665.7
20°	0.0	6.6	10.3	46.0	150.8	319.4	531.0	768.8	1057.3	1405.5	1808.8
17.5°	0.0	6.8	10.6	50.8	167.4	350.8	573.9	826.7	1144.3	1515.0	1947.4
15°	0.0	6.9	10.9	55.7	183.6	381.0	615.2	880.4	1228.0	1617.1	2080.6
12.5°	0.0	7.1	11.2	60.6	199.2	409.8	653.7	928.4	1294.7	1711.7	2207.3
10°	0.0	7.2	11.5	65.3	214.1	437.0	689.5	972.6	1344.4	1768.5	2310.5
7.5°	0.0	7.3	11.8	69.9	228.2	462.4	722.4	1012.8	1386.8	1812.4	2370.7
5°	0.0	7.4	12.0	74.4	241.4	485.8	752.3	1049.1	1422.1	1847.9	2419.7
2.5°	0.0	7.4	12.3	78.5	253.4	507.1	779.1	1081.3	1450.8	1875.2	2457.1
0°	0.0	7.5	12.5	82.3	264.2	526.0	802.7	1109.3	1473.3	1894.5	2482.8
-2.5°	0.0	7.9	14.4	87.7	274.3	538.0	814.5	1125.6	1481.4	1918.9	2499.6
-5°	0.0	8.3	16.4	92.6	282.8	547.4	823.0	1137.6	1484.1	1934.8	2504.9
-7.5°	0.0	8.7	18.2	97.0	289.8	554.3	828.5	1145.1	1482.1	1941.3	2499.4
-10°	0.0	9.1	20.0	100.8	295.1	558.6	831.0	1147.9	1475.7	1937.5	2483.5
-12.5°	0.0	9.4	21.7	104.0	298.6	560.4	830.6	1146.0	1465.5	1921.9	2456.2
-15°	0.0	9.7	23.3	106.6	300.3	559.6	827.3	1139.3	1453.9	1891.4	2416.7
-17.5°	0.0	10.0	24.8	108.4	300.1	556.2	821.2	1125.5	1439.8	1853.3	2365.2
-20°	0.0	10.2	26.2	109.5	298.0	550.3	811.8	1105.9	1419.7	1807.9	2301.8

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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°	0.0	10.4	27.5	109.9	293.8	541.9	798.3	1082.4	1393.5	1755.6	2226.4
-25°	0.0	10.6	28.6	109.4	287.5	528.9	781.5	1055.0	1361.1	1696.7	2139.1
-27.5°	0.0	10.7	29.5	108.0	279.1	512.7	761.7	1024.0	1322.5	1639.6	2061.8
-30°	0.0	10.8	30.3	105.8	268.6	494.2	738.7	989.4	1280.3	1591.4	1979.3
-32.5°	0.0	10.8	30.8	102.7	256.5	473.5	712.6	957.3	1235.5	1535.7	1891.0
-35°	0.0	10.8	31.2	98.6	242.9	450.7	684.5	923.6	1187.1	1472.5	1797.3
-37.5°	0.0	10.8	31.5	93.7	227.9	427.8	654.2	886.3	1135.3	1401.9	1704.7
-40°	0.0	10.6	31.5	87.9	211.6	407.0	621.6	845.5	1080.1	1335.2	1613.4
-42.5°	0.0	10.5	31.3	81.5	199.2	384.7	586.7	801.2	1026.8	1264.8	1515.1
-45°	0.0	10.3	30.9	75.2	190.8	361.0	549.6	755.5	972.3	1189.7	1413.1
-47.5°	0.0	10.0	30.4	67.9	180.8	336.0	510.4	709.7	913.8	1110.8	1324.9
-50°	0.0	9.7	29.6	65.4	169.4	309.6	477.6	661.7	849.2	1038.5	1232.6
-52.5°	0.0	9.4	28.7	64.1	156.5	282.0	444.8	611.5	787.4	964.0	1137.9
-55°	0.0	9.0	27.5	62.1	142.2	261.1	410.8	560.8	725.5	887.5	1053.8
-57.5°	0.0	8.5	26.2	59.4	126.5	239.9	375.4	520.5	661.3	814.1	967.9
-60°	0.0	8.1	24.7	56.1	110.0	216.7	339.5	475.9	597.2	740.0	882.0
-62.5°	0.0	7.5	23.2	52.1	102.2	191.6	306.8	427.4	537.8	663.8	797.9
-65°	0.0	7.0	21.6	47.5	93.3	164.9	271.6	377.1	474.9	587.4	711.8
-67.5°	0.0	6.4	19.8	42.4	83.4	142.5	234.3	327.1	408.8	507.7	618.8
-70°	0.0	5.8	17.9	36.8	72.5	124.7	195.0	276.0	349.4	424.3	519.9
-72.5°	0.0	5.1	15.9	32.4	60.8	105.6	164.9	223.7	289.0	355.2	422.3
-75°	0.0	4.4	13.8	28.2	48.4	85.3	134.8	180.3	227.5	285.3	343.7
-77.5°	0.0	3.7	11.6	23.7	40.0	64.0	103.2	139.4	176.9	217.6	263.9
-80°	0.0	3.0	9.4	19.2	32.3	48.8	70.5	97.7	126.7	158.2	192.0
-82.5°	0.0	2.3	7.1	14.5	24.4	36.9	51.7	62.7	75.7	97.9	121.8
-85°	0.0	1.5	4.8	9.7	16.4	24.7	34.7	41.9	49.4	57.1	65.2
-87.5°	0.0	0.8	2.4	4.9	8.2	12.4	17.4	21.0	24.7	28.6	32.7
-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):

	-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°	1.2	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.8	1.9	2.0
85°	2.3	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
82.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
80°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
77.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
75°	2.5	2.5	2.7	2.6	2.5	2.5	2.5	2.5	2.5	2.5	2.5
72.5°	2.9	3.2	3.2	2.8	2.5	2.5	2.5	2.5	2.5	2.5	2.5
70°	3.9	4.0	3.5	2.9	2.5	2.6	2.9	2.8	2.5	2.5	2.5
67.5°	4.8	4.2	3.6	3.4	3.4	3.8	3.7	3.1	2.5	2.5	2.6
65°	4.9	4.3	6.2	7.0	5.2	4.4	3.8	3.2	3.4	3.6	3.6
62.5°	7.4	9.3	11.9	21.1	15.8	4.6	8.2	9.7	7.1	5.9	6.3
60°	24.3	16.5	49.1	70.4	44.0	16.0	19.6	65.1	56.5	10.4	35.2
57.5°	51.2	70.2	129.4	131.7	91.1	62.8	182.8	211.2	159.9	93.3	142.7
55°	112.7	173.2	214.5	198.6	216.9	328.5	390.3	350.6	295.1	454.0	580.0
52.5°	220.2	281.9	295.9	339.7	486.3	558.8	535.4	572.6	742.6	922.2	961.1
50°	325.1	375.5	414.8	599.8	714.5	721.8	775.1	943.4	1170.1	1280.0	1253.4
47.5°	426.4	478.7	661.9	839.7	891.2	961.8	1094.9	1419.9	1659.9	1664.7	1637.5
45°	533.6	673.2	907.1	1023.0	1106.6	1243.1	1564.7	2012.9	2036.2	2101.3	2502.0
42.5°	648.2	892.9	1097.0	1217.5	1352.6	1607.3	2036.4	2330.5	2431.6	2716.8	3039.0
40°	833.9	1105.1	1283.4	1437.5	1611.2	1982.8	2452.8	2728.3	2810.6	3057.4	3299.5
37.5°	1022.3	1282.3	1482.1	1668.1	1908.7	2410.3	2954.1	3181.3	3222.9	3268.1	3804.7
35°	1203.7	1464.1	1703.2	1946.5	2241.6	2963.8	3439.0	3652.7	3646.2	3950.8	4512.7
32.5°	1373.3	1649.8	1932.1	2257.6	2744.5	3484.3	3959.8	4087.7	4281.7	4725.1	5492.0
30°	1542.7	1857.1	2181.2	2568.9	3185.7	3827.0	4369.7	4575.6	4908.1	5414.0	5972.3
27.5°	1717.2	2069.6	2461.5	2915.8	3534.0	4123.4	4587.1	5078.9	5401.9	5855.3	6252.4
25°	1890.9	2294.5	2738.3	3219.1	3782.9	4332.3	4811.8	5379.8	5726.7	6092.2	6462.7
22.5°	2073.1	2522.5	3023.8	3459.5	3992.8	4509.9	5080.7	5696.8	6147.8	6380.0	6628.8
20°	2263.6	2769.3	3303.9	3786.6	4199.9	4674.8	5350.6	6099.2	6681.4	6942.8	6976.9
17.5°	2451.3	3008.4	3583.1	4105.7	4551.5	4974.2	5634.1	6581.3	7305.3	7548.3	7656.4
15°	2634.4	3238.3	3861.0	4416.3	4905.7	5422.5	6127.2	7090.4	7918.2	8187.1	8357.1
12.5°	2811.1	3457.6	4134.2	4716.6	5260.2	5839.9	6575.0	7456.8	8212.3	8732.5	9044.4
10°	2979.5	3664.7	4399.4	5004.8	5610.5	6226.9	6945.6	7729.7	8344.7	8846.4	9289.3
7.5°	3064.4	3800.0	4627.3	5279.1	5952.1	6584.7	7249.0	7922.0	8440.0	8932.1	9360.3
5°	3122.2	3855.6	4698.5	5374.7	6133.6	6823.3	7468.3	8048.4	8502.2	8990.0	9408.3
2.5°	3163.4	3891.6	4746.6	5427.1	6201.8	6896.7	7531.5	8090.6	8553.6	9031.5	9459.8
0°	3188.3	3908.7	4771.2	5459.3	6244.5	6945.0	7568.2	8106.6	8587.7	9051.4	9512.6
-2.5°	3202.4	3961.0	4787.6	5542.0	6285.7	6986.6	7619.6	8145.1	8647.8	9089.1	9551.4
-5°	3200.6	3992.2	4783.3	5597.6	6305.5	7002.8	7645.2	8162.5	8680.4	9117.4	9567.2
-7.5°	3183.3	3999.4	4761.7	5615.0	6306.3	6997.3	7634.0	8170.9	8679.9	9143.2	9568.7
-10°	3152.3	3971.2	4741.8	5570.0	6282.1	6969.0	7599.5	8152.6	8659.7	9138.0	9560.4
-12.5°	3115.8	3912.9	4700.2	5505.1	6232.9	6915.9	7547.2	8105.9	8621.8	9098.8	9541.3
-15°	3060.9	3835.4	4631.9	5422.7	6158.1	6838.8	7479.3	8029.7	8563.3	9030.5	9484.8
-17.5°	2987.2	3739.3	4535.8	5324.9	6057.4	6738.2	7392.1	7929.1	8460.2	8942.9	9381.3
-20°	2894.4	3625.5	4411.0	5213.8	5929.4	6603.0	7236.6	7799.0	8326.5	8817.6	9278.3



REPORT NUMBER: P645533 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-750-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	2782.1	3494.6	4260.7	5063.8	5769.7	6435.8	7061.7	7633.1	8179.8	8654.7	9145.7
-25°	2669.7	3356.3	4094.5	4856.3	5584.3	6247.5	6875.2	7432.0	7990.7	8484.7	8951.0
-27.5°	2562.0	3195.9	3901.7	4627.7	5374.1	6034.2	6656.3	7213.4	7755.9	8296.0	8744.9
-30°	2441.1	3010.3	3690.3	4383.7	5111.3	5783.4	6410.1	6988.2	7504.5	8037.8	8519.8
-32.5°	2307.8	2813.4	3467.0	4134.1	4820.2	5507.1	6128.0	6702.2	7239.3	7743.8	8249.7
-35°	2177.4	2654.3	3230.4	3866.0	4511.7	5185.6	5807.0	6375.6	6933.0	7432.7	7916.3
-37.5°	2060.0	2482.2	2978.9	3586.1	4203.1	4840.5	5472.5	6023.0	6553.3	7102.8	7574.3
-40°	1933.0	2297.3	2761.1	3297.8	3879.3	4485.5	5090.6	5660.1	6158.7	6701.6	7220.2
-42.5°	1800.1	2146.7	2546.2	2992.6	3541.6	4113.1	4697.2	5254.3	5772.0	6284.2	6798.1
-45°	1683.7	1987.2	2327.6	2735.5	3182.4	3719.9	4273.0	4828.3	5325.1	5813.2	6320.7
-47.5°	1559.9	1827.0	2141.7	2467.5	2856.0	3305.4	3825.5	4337.7	4846.3	5310.7	5759.8
-50°	1436.6	1682.8	1941.3	2234.6	2555.3	2919.6	3351.6	3827.7	4292.3	4769.1	5213.9
-52.5°	1330.3	1531.1	1764.7	2009.5	2284.0	2585.4	2931.5	3322.5	3745.1	4149.7	4593.5
-55°	1220.0	1401.1	1589.6	1805.1	2033.5	2287.9	2571.6	2900.3	3222.7	3597.0	3959.2
-57.5°	1119.4	1272.1	1432.9	1610.9	1809.2	2012.8	2260.8	2516.5	2809.1	3100.0	3386.9
-60°	1024.7	1149.3	1285.8	1436.5	1595.9	1777.1	1962.2	2181.8	2417.4	2649.6	2893.0
-62.5°	929.1	1034.0	1145.2	1270.3	1409.3	1546.3	1704.3	1873.4	2046.8	2243.6	2435.6
-65°	830.7	915.6	1009.9	1113.6	1224.6	1341.2	1462.6	1587.9	1735.3	1879.6	2019.1
-67.5°	726.3	798.9	875.2	957.0	1050.0	1141.6	1233.0	1338.8	1447.4	1554.2	1664.8
-70°	610.6	679.1	742.7	809.0	878.1	949.9	1028.0	1105.6	1182.1	1262.1	1350.9
-72.5°	493.0	556.0	611.9	660.9	717.7	777.3	834.4	888.9	946.6	1007.3	1067.5
-75°	393.2	434.8	484.7	530.4	575.6	617.6	655.2	701.4	749.7	793.8	830.1
-77.5°	306.9	344.7	378.9	409.4	445.4	487.5	524.2	555.7	586.3	619.7	655.1
-80°	223.3	254.6	285.8	314.1	334.8	358.6	386.7	418.9	446.8	469.5	490.1
-82.5°	144.2	166.8	190.0	213.5	223.1	229.7	235.9	247.1	264.3	281.3	297.6
-85°	71.9	78.5	92.6	107.1	112.1	115.6	118.0	119.3	125.2	130.6	135.3
-87.5°	36.0	39.3	42.5	45.8	44.1	41.7	38.8	35.3	34.5	33.5	32.2
-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: P645533 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-750-U-LAM-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°	2.0	2.1	2.2	2.2	2.3	1.7	1.2	0.6	0.0	0.0	0.0
85°	2.5	2.5	2.5	2.5	2.5	2.4	2.4	2.3	2.3	1.8	1.2
82.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.4
80°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
77.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
75°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
72.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
70°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
67.5°	2.7	2.5	2.5	2.5	2.6	2.5	2.5	2.5	2.5	2.2	1.6
65°	3.5	3.4	3.6	3.5	3.1	3.0	3.1	3.0	2.7	2.2	1.5
62.5°	6.3	7.1	5.6	5.5	5.4	5.3	5.0	4.8	4.4	4.2	4.4
60°	39.1	23.1	13.5	15.8	14.2	9.4	12.0	14.1	14.2	13.0	11.5
57.5°	216.7	161.8	119.8	286.0	286.9	137.0	165.0	259.3	213.6	70.1	65.1
55°	602.8	720.9	948.8	901.2	915.9	1053.5	1150.3	1018.4	998.4	1063.8	1228.9
52.5°	1082.9	1195.6	1272.2	1343.9	1431.3	1525.1	1621.7	1683.3	1740.7	1802.0	1838.4
50°	1382.9	1541.6	1650.7	1610.6	1836.4	1928.8	1835.0	1918.9	2021.2	2049.3	2062.4
47.5°	2041.9	2274.8	2321.0	2470.9	2605.7	2602.8	2488.4	2495.1	2799.6	3068.3	3200.2
45°	2934.6	2942.5	3088.9	3353.7	3543.0	3483.4	3643.2	4006.4	4127.4	4244.3	4340.1
42.5°	3282.3	3426.4	3660.0	3894.2	4035.3	4157.8	4276.0	4409.5	4566.5	4693.8	4795.6
40°	3619.0	3735.2	3974.4	4163.0	4279.9	4394.2	4532.0	4679.9	4823.6	4935.5	5011.8
37.5°	4137.3	4227.3	4285.6	4460.6	4681.7	4579.7	4841.2	5028.8	5114.5	5228.1	5238.3
35°	4921.4	4861.5	4783.9	5480.8	5522.5	5287.2	5531.7	5822.5	5669.3	5988.4	6160.0
32.5°	5616.5	5607.5	6215.8	6582.2	6371.4	6543.5	7107.3	7082.3	7458.1	7632.5	7582.8
30°	6271.4	6494.8	6846.6	7119.4	7156.0	7427.3	7677.7	7897.0	8123.9	8327.3	8341.3
27.5°	6603.8	6895.3	7134.2	7292.1	7468.3	7696.5	7923.8	8170.9	8363.8	8491.3	8522.4
25°	6804.9	7102.7	7283.6	7453.6	7648.1	7845.0	8099.5	8368.5	8523.4	8602.1	8627.2
22.5°	6982.2	7249.8	7444.3	7582.2	7791.5	8003.4	8240.6	8468.3	8636.7	8671.0	8683.6
20°	7152.8	7410.0	7734.7	7937.7	7927.6	8166.4	8394.9	8576.0	8716.4	8715.6	8719.0
17.5°	7646.5	7738.4	8327.6	8774.8	8553.4	8436.6	9065.1	9077.1	9114.3	9040.2	8879.3
15°	8377.5	8544.7	9268.5	9753.4	9600.8	9592.7	10500.6	10275.5	10469.2	10418.5	10636.6
12.5°	9151.8	9349.7	9890.6	10366.8	10593.7	10649.5	10952.7	11236.9	11295.3	11272.2	11229.3
10°	9679.3	9961.2	10178.5	10467.5	10696.4	10929.8	11105.5	11309.5	11376.4	11337.7	11283.1
7.5°	9747.9	10026.6	10281.7	10535.3	10753.2	10941.4	11123.6	11289.8	11357.8	11335.3	11297.8
5°	9791.6	10044.1	10291.3	10548.6	10757.0	10931.3	11113.0	11281.2	11321.4	11294.4	11257.8
2.5°	9818.6	10052.2	10290.5	10546.7	10736.0	10902.0	11085.9	11265.4	11265.1	11253.3	11231.9
0°	9831.6	10066.0	10342.7	10574.5	10786.4	10943.4	11125.4	11299.9	11287.4	11255.0	11217.6
-2.5°	9859.6	10097.1	10379.5	10571.6	10810.5	10954.3	11142.4	11293.5	11287.7	11271.7	11253.2
-5°	9884.6	10151.6	10415.8	10617.9	10857.4	11045.5	11232.3	11350.5	11356.8	11334.7	11303.5
-7.5°	9899.9	10195.9	10447.9	10650.8	10883.1	11101.8	11291.4	11415.4	11418.2	11388.7	11351.4
-10°	9894.8	10207.3	10466.7	10676.4	10914.3	11130.3	11328.5	11485.8	11480.6	11452.6	11420.7
-12.5°	9876.1	10188.3	10454.6	10665.0	10935.1	11157.4	11380.5	11536.8	11545.2	11524.1	11489.7
-15°	9835.0	10157.3	10416.4	10646.1	10910.8	11170.8	11399.9	11572.5	11603.3	11586.0	11558.8
-17.5°	9753.8	10093.9	10368.7	10616.3	10870.2	11147.3	11407.9	11596.7	11638.7	11631.9	11609.3
-20°	9647.2	9998.1	10277.1	10536.5	10812.9	11098.3	11401.6	11574.1	11635.1	11639.0	11623.7

Classified

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

Scaled Data Report



REPORT NUMBER: P645533 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA5D-750-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	9527.5	9871.0	10167.0	10421.9	10721.8	11010.7	11285.3	11487.2	11589.8	11608.9	11610.2
-25°	9383.9	9737.0	10031.0	10302.5	10581.4	10879.8	11157.2	11382.7	11486.6	11536.3	11551.8
-27.5°	9181.0	9545.9	9835.3	10122.3	10406.0	10714.2	11005.9	11251.0	11335.5	11403.8	11431.2
-30°	8943.4	9304.2	9599.3	9861.6	10186.2	10500.4	10801.5	11015.3	11142.9	11221.0	11263.7
-32.5°	8670.1	9034.4	9344.1	9618.0	9926.5	10240.7	10524.0	10749.5	10925.3	11015.5	11061.2
-35°	8373.9	8745.7	9069.9	9358.5	9648.9	9948.4	10241.9	10477.8	10678.2	10755.7	10812.9
-37.5°	8016.5	8426.7	8759.1	9056.8	9332.7	9614.2	9919.8	10189.5	10384.1	10459.3	10519.6
-40°	7650.0	8046.5	8381.7	8699.2	8972.0	9279.5	9573.8	9856.5	10025.3	10113.0	10181.3
-42.5°	7263.1	7621.3	7940.1	8248.5	8552.2	8868.7	9162.9	9456.7	9602.8	9708.4	9792.1
-45°	6816.4	7149.8	7459.6	7748.2	8061.3	8372.5	8666.8	8926.5	9100.2	9237.7	9344.7
-47.5°	6221.0	6627.0	6938.1	7212.7	7523.1	7823.3	8108.5	8352.7	8543.2	8704.1	8828.3
-50°	5616.3	6005.9	6356.8	6665.2	6953.3	7230.8	7502.3	7741.2	7942.8	8117.1	8243.0
-52.5°	5020.8	5385.9	5734.0	6052.4	6329.2	6591.3	6839.7	7080.0	7292.6	7479.0	7600.7
-55°	4347.8	4726.0	5070.4	5367.3	5644.0	5903.0	6148.2	6376.1	6585.5	6775.3	6891.9
-57.5°	3716.6	4048.3	4368.7	4642.8	4903.9	5150.6	5383.2	5601.3	5802.8	5981.4	6093.9
-60°	3136.3	3378.2	3653.9	3907.0	4138.5	4348.4	4565.4	4768.8	4953.9	5110.9	5215.7
-62.5°	2623.4	2823.8	3022.9	3215.4	3403.1	3591.8	3773.4	3942.1	4096.8	4225.4	4317.2
-65°	2166.4	2327.5	2471.4	2607.9	2737.9	2886.7	3024.8	3154.7	3274.9	3373.5	3443.5
-67.5°	1783.9	1897.1	1996.6	2090.2	2192.8	2297.9	2396.5	2482.3	2555.8	2614.2	2660.4
-70°	1438.5	1521.9	1596.9	1671.6	1746.4	1814.8	1880.0	1943.2	2003.2	2052.1	2088.8
-72.5°	1126.6	1183.5	1234.6	1292.1	1345.9	1397.8	1443.0	1479.4	1507.7	1535.2	1559.3
-75°	858.9	901.7	959.3	1008.0	1048.2	1083.8	1116.5	1145.5	1171.1	1193.7	1213.6
-77.5°	690.9	727.1	763.8	799.4	833.7	859.3	883.0	906.7	930.0	950.1	967.7
-80°	512.0	539.1	567.4	595.9	624.3	638.4	649.7	660.1	669.4	681.4	692.5
-82.5°	313.0	328.4	344.1	360.1	376.0	380.0	381.4	381.1	379.0	374.6	368.0
-85°	139.3	140.1	139.7	138.1	135.4	129.9	123.2	115.4	106.6	105.3	103.6
-87.5°	30.7	30.0	29.2	28.2	27.1	27.0	26.9	26.7	26.5	27.4	28.2
-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: P645533 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-750-U-LAM-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	0.6
85°	0.6	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.8	2.3	2.3
82.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.4	2.5	2.5	2.5
80°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
77.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
75°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
72.5°	2.5	2.5	1.3	0.0	1.3	2.5	2.5	2.5	2.5	2.5	2.5
70°	2.5	2.5	1.3	0.0	1.3	2.5	2.5	2.5	2.5	2.5	2.5
67.5°	0.9	0.2	0.0	0.0	0.0	0.2	0.9	1.6	2.2	2.5	2.5
65°	0.8	0.1	0.0	0.0	0.0	0.1	0.8	1.5	2.2	2.7	3.0
62.5°	4.6	4.8	4.9	5.0	4.9	4.8	4.6	4.4	4.2	4.4	4.8
60°	9.0	5.9	5.0	5.0	5.0	5.9	9.0	11.5	13.0	14.2	14.1
57.5°	55.1	41.1	34.9	32.4	34.9	41.1	55.1	65.1	70.1	213.6	259.3
55°	1347.2	1415.8	1467.0	1490.7	1467.0	1415.8	1347.2	1228.9	1063.8	998.4	1018.4
52.5°	1870.5	1900.3	1917.5	1917.0	1917.5	1900.3	1870.5	1838.4	1802.0	1740.7	1683.3
50°	2084.9	2099.4	2104.6	2101.4	2104.6	2099.4	2084.9	2062.4	2049.3	2021.2	1918.9
47.5°	3079.7	2813.1	2617.1	2570.1	2617.1	2813.1	3079.7	3200.2	3068.3	2799.6	2495.1
45°	4386.1	4487.2	4587.9	4619.2	4587.9	4487.2	4386.1	4340.1	4244.3	4127.4	4006.4
42.5°	4838.6	4871.5	4890.2	4890.9	4890.2	4871.5	4838.6	4795.6	4693.8	4566.5	4409.5
40°	5054.5	5085.6	5103.7	5105.3	5103.7	5085.6	5054.5	5011.8	4935.5	4823.6	4679.9
37.5°	5250.6	5277.1	5294.5	5312.2	5294.5	5277.1	5250.6	5238.3	5228.1	5114.5	5028.8
35°	6136.8	5936.1	5647.4	5691.1	5647.4	5936.1	6136.8	6160.0	5988.4	5669.3	5822.5
32.5°	7660.5	7744.9	7797.5	7887.2	7797.5	7744.9	7660.5	7582.8	7632.5	7458.1	7082.3
30°	8363.5	8391.4	8433.6	8478.0	8433.6	8391.4	8363.5	8341.3	8327.3	8123.9	7897.0
27.5°	8538.9	8567.8	8593.5	8612.7	8593.5	8567.8	8538.9	8522.4	8491.3	8363.8	8170.9
25°	8630.7	8648.7	8676.0	8699.9	8676.0	8648.7	8630.7	8627.2	8602.1	8523.4	8368.5
22.5°	8676.3	8678.2	8699.6	8729.8	8699.6	8678.2	8676.3	8683.6	8671.0	8636.7	8468.3
20°	8707.6	8690.7	8712.7	8732.3	8712.7	8690.7	8707.6	8719.0	8715.6	8716.4	8576.0
17.5°	9106.2	8878.8	8785.4	8787.2	8785.4	8878.8	9106.2	8879.3	9040.2	9114.3	9077.1
15°	10391.8	10477.2	10804.1	10980.8	10804.1	10477.2	10391.8	10636.6	10418.5	10469.2	10275.5
12.5°	11221.5	11191.1	11152.2	11205.2	11152.2	11191.1	11221.5	11229.3	11272.2	11295.3	11236.9
10°	11259.8	11256.4	11187.2	11262.5	11187.2	11256.4	11259.8	11283.1	11337.7	11376.4	11309.5
7.5°	11236.3	11238.4	11208.9	11282.5	11208.9	11238.4	11236.3	11297.8	11335.3	11357.8	11289.8
5°	11251.9	11201.2	11220.4	11262.5	11220.4	11201.2	11251.9	11257.8	11294.4	11321.4	11281.2
2.5°	11208.4	11203.1	11165.7	11195.2	11165.7	11203.1	11208.4	11231.9	11253.3	11265.1	11265.4
0°	11175.3	11147.8	11147.8	11172.8	11147.8	11147.8	11175.3	11217.6	11255.0	11287.4	11299.9
-2.5°	11234.2	11228.4	11224.8	11207.7	11224.8	11228.4	11234.2	11253.2	11271.7	11287.7	11293.5
-5°	11282.7	11267.9	11227.1	11282.5	11227.1	11267.9	11282.7	11303.5	11334.7	11356.8	11350.5
-7.5°	11334.8	11297.0	11258.2	11344.8	11258.2	11297.0	11334.8	11351.4	11388.7	11418.2	11415.4
-10°	11382.5	11327.7	11290.0	11374.7	11290.0	11327.7	11382.5	11420.7	11452.6	11480.6	11485.8
-12.5°	11445.4	11381.4	11356.2	11402.1	11356.2	11381.4	11445.4	11489.7	11524.1	11545.2	11536.8
-15°	11512.5	11468.2	11462.3	11489.4	11462.3	11468.2	11512.5	11558.8	11586.0	11603.3	11572.5
-17.5°	11571.4	11540.3	11555.7	11586.6	11555.7	11540.3	11571.4	11609.3	11631.9	11638.7	11596.7
-20°	11599.6	11582.2	11599.5	11676.3	11599.5	11582.2	11599.6	11623.7	11639.0	11635.1	11574.1



REPORT NUMBER: P645533 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-750-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	11597.2	11598.3	11628.8	11653.9	11628.8	11598.3	11597.2	11610.2	11608.9	11589.8	11487.2
-25°	11552.9	11576.3	11611.2	11661.4	11611.2	11576.3	11552.9	11551.8	11536.3	11486.6	11382.7
-27.5°	11446.2	11484.9	11521.5	11574.1	11521.5	11484.9	11446.2	11431.2	11403.8	11335.5	11251.0
-30°	11291.9	11338.0	11370.6	11427.0	11370.6	11338.0	11291.9	11263.7	11221.0	11142.9	11015.3
-32.5°	11104.1	11156.2	11194.8	11235.1	11194.8	11156.2	11104.1	11061.2	11015.5	10925.3	10749.5
-35°	10869.4	10925.5	10966.6	11003.3	10966.6	10925.5	10869.4	10812.9	10755.7	10678.2	10477.8
-37.5°	10587.3	10647.8	10694.5	10736.5	10694.5	10647.8	10587.3	10519.6	10459.3	10384.1	10189.5
-40°	10258.7	10320.8	10370.7	10417.4	10370.7	10320.8	10258.7	10181.3	10113.0	10025.3	9856.5
-42.5°	9874.6	9937.2	9988.7	10036.0	9988.7	9937.2	9874.6	9792.1	9708.4	9602.8	9456.7
-45°	9430.9	9495.4	9549.9	9599.8	9549.9	9495.4	9430.9	9344.7	9237.7	9100.2	8926.5
-47.5°	8919.9	8988.9	9035.5	9058.9	9035.5	8988.9	8919.9	8828.3	8704.1	8543.2	8352.7
-50°	8334.3	8403.3	8459.2	8500.5	8459.2	8403.3	8334.3	8243.0	8117.1	7942.8	7741.2
-52.5°	7689.6	7755.2	7803.3	7832.4	7803.3	7755.2	7689.6	7600.7	7479.0	7292.6	7080.0
-55°	6983.7	7052.5	7098.1	7119.5	7098.1	7052.5	6983.7	6891.9	6775.3	6585.5	6376.1
-57.5°	6183.1	6248.4	6296.9	6324.3	6296.9	6248.4	6183.1	6093.9	5981.4	5802.8	5601.3
-60°	5297.3	5355.7	5392.5	5406.9	5392.5	5355.7	5297.3	5215.7	5110.9	4953.9	4768.8
-62.5°	4391.3	4446.6	4481.1	4494.5	4481.1	4446.6	4391.3	4317.2	4225.4	4096.8	3942.1
-65°	3495.6	3530.3	3549.5	3552.3	3549.5	3530.3	3495.6	3443.5	3373.5	3274.9	3154.7
-67.5°	2696.8	2723.2	2739.2	2744.6	2739.2	2723.2	2696.8	2660.4	2614.2	2555.8	2482.3
-70°	2116.1	2134.3	2144.5	2146.3	2144.5	2134.3	2116.1	2088.8	2052.1	2003.2	1943.2
-72.5°	1577.7	1590.7	1586.2	1575.5	1586.2	1590.7	1577.7	1559.3	1535.2	1507.7	1479.4
-75°	1230.8	1245.1	1239.1	1229.0	1239.1	1245.1	1230.8	1213.6	1193.7	1171.1	1145.5
-77.5°	983.2	996.3	989.8	979.7	989.8	996.3	983.2	967.7	950.1	930.0	906.7
-80°	702.1	709.8	715.2	717.9	715.2	709.8	702.1	692.5	681.4	669.4	660.1
-82.5°	359.4	348.9	342.1	334.0	342.1	348.9	359.4	368.0	374.6	379.0	381.1
-85°	101.6	99.2	100.8	102.2	100.8	99.2	101.6	103.6	105.3	106.6	115.4
-87.5°	29.0	29.8	29.9	29.9	29.9	29.8	29.0	28.2	27.4	26.5	26.7
-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: P645533 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.2	1.7	2.3	2.2	2.2	2.1	2.0	2.0	1.9	1.8	1.8
85°	2.4	2.4	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
82.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
80°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
77.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
75°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
72.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
70°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.8
67.5°	2.5	2.5	2.6	2.5	2.5	2.5	2.7	2.6	2.5	2.5	3.1
65°	3.1	3.0	3.1	3.5	3.6	3.4	3.5	3.6	3.6	3.4	3.2
62.5°	5.0	5.3	5.4	5.5	5.6	7.1	6.3	6.3	5.9	7.1	9.7
60°	12.0	9.4	14.2	15.8	13.5	23.1	39.1	35.2	10.4	56.5	65.1
57.5°	165.0	137.0	286.9	286.0	119.8	161.8	216.7	142.7	93.3	159.9	211.2
55°	1150.3	1053.5	915.9	901.2	948.8	720.9	602.8	580.0	454.0	295.1	350.6
52.5°	1621.7	1525.1	1431.3	1343.9	1272.2	1195.6	1082.9	961.1	922.2	742.6	572.6
50°	1835.0	1928.8	1836.4	1610.6	1650.7	1541.6	1382.9	1253.4	1280.0	1170.1	943.4
47.5°	2488.4	2602.8	2605.7	2470.9	2321.0	2274.8	2041.9	1637.5	1664.7	1659.9	1419.9
45°	3643.2	3483.4	3543.0	3353.7	3088.9	2942.5	2934.6	2502.0	2101.3	2036.2	2012.9
42.5°	4276.0	4157.8	4035.3	3894.2	3660.0	3426.4	3282.3	3039.0	2716.8	2431.6	2330.5
40°	4532.0	4394.2	4279.9	4163.0	3974.4	3735.2	3619.0	3299.5	3057.4	2810.6	2728.3
37.5°	4841.2	4579.7	4681.7	4460.6	4285.6	4227.3	4137.3	3804.7	3268.1	3222.9	3181.3
35°	5531.7	5287.2	5522.5	5480.8	4783.9	4861.5	4921.4	4512.7	3950.8	3646.2	3652.7
32.5°	7107.3	6543.5	6371.4	6582.2	6215.8	5607.5	5616.5	5492.0	4725.1	4281.7	4087.7
30°	7677.7	7427.3	7156.0	7119.4	6846.6	6494.8	6271.4	5972.3	5414.0	4908.1	4575.6
27.5°	7923.8	7696.5	7468.3	7292.1	7134.2	6895.3	6603.8	6252.4	5855.3	5401.9	5078.9
25°	8099.5	7845.0	7648.1	7453.6	7283.6	7102.7	6804.9	6462.7	6092.2	5726.7	5379.8
22.5°	8240.6	8003.4	7791.5	7582.2	7444.3	7249.8	6982.2	6628.8	6380.0	6147.8	5696.8
20°	8394.9	8166.4	7927.6	7937.7	7734.7	7410.0	7152.8	6976.9	6942.8	6681.4	6099.2
17.5°	9065.1	8436.6	8553.4	8774.8	8327.6	7738.4	7646.5	7656.4	7548.3	7305.3	6581.3
15°	10500.6	9592.7	9600.8	9753.4	9268.5	8544.7	8377.5	8357.1	8187.1	7918.2	7090.4
12.5°	10952.7	10649.5	10593.7	10366.8	9890.6	9349.7	9151.8	9044.4	8732.5	8212.3	7456.8
10°	11105.5	10929.8	10696.4	10467.5	10178.5	9961.2	9679.3	9289.3	8846.4	8344.7	7729.7
7.5°	11123.6	10941.4	10753.2	10535.3	10281.7	10026.6	9747.9	9360.3	8932.1	8440.0	7922.0
5°	11113.0	10931.3	10757.0	10548.6	10291.3	10044.1	9791.6	9408.3	8990.0	8502.2	8048.4
2.5°	11085.9	10902.0	10736.0	10546.7	10290.5	10052.2	9818.6	9459.8	9031.5	8553.6	8090.6
0°	11125.4	10943.4	10786.4	10574.5	10342.7	10066.0	9831.6	9512.6	9051.4	8587.7	8106.6
-2.5°	11142.4	10954.3	10810.5	10571.6	10379.5	10097.1	9859.6	9551.4	9089.1	8647.8	8145.1
-5°	11232.3	11045.5	10857.4	10617.9	10415.8	10151.6	9884.6	9567.2	9117.4	8680.4	8162.5
-7.5°	11291.4	11101.8	10883.1	10650.8	10447.9	10195.9	9899.9	9568.7	9143.2	8679.9	8170.9
-10°	11328.5	11130.3	10914.3	10676.4	10466.7	10207.3	9894.8	9560.4	9138.0	8659.7	8152.6
-12.5°	11380.5	11157.4	10935.1	10665.0	10454.6	10188.3	9876.1	9541.3	9098.8	8621.8	8105.9
-15°	11399.9	11170.8	10910.8	10646.1	10416.4	10157.3	9835.0	9484.8	9030.5	8563.3	8029.7
-17.5°	11407.9	11147.3	10870.2	10616.3	10368.7	10093.9	9753.8	9381.3	8942.9	8460.2	7929.1
-20°	11401.6	11098.3	10812.9	10536.5	10277.1	9998.1	9647.2	9278.3	8817.6	8326.5	7799.0



REPORT NUMBER: P645533 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-750-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	11285.3	11010.7	10721.8	10421.9	10167.0	9871.0	9527.5	9145.7	8654.7	8179.8	7633.1
-25°	11157.2	10879.8	10581.4	10302.5	10031.0	9737.0	9383.9	8951.0	8484.7	7990.7	7432.0
-27.5°	11005.9	10714.2	10406.0	10122.3	9835.3	9545.9	9181.0	8744.9	8296.0	7755.9	7213.4
-30°	10801.5	10500.4	10186.2	9861.6	9599.3	9304.2	8943.4	8519.8	8037.8	7504.5	6988.2
-32.5°	10524.0	10240.7	9926.5	9618.0	9344.1	9034.4	8670.1	8249.7	7743.8	7239.3	6702.2
-35°	10241.9	9948.4	9648.9	9358.5	9069.9	8745.7	8373.9	7916.3	7432.7	6933.0	6375.6
-37.5°	9919.8	9614.2	9332.7	9056.8	8759.1	8426.7	8016.5	7574.3	7102.8	6553.3	6023.0
-40°	9573.8	9279.5	8972.0	8699.2	8381.7	8046.5	7650.0	7220.2	6701.6	6158.7	5660.1
-42.5°	9162.9	8868.7	8552.2	8248.5	7940.1	7621.3	7263.1	6798.1	6284.2	5772.0	5254.3
-45°	8666.8	8372.5	8061.3	7748.2	7459.6	7149.8	6816.4	6320.7	5813.2	5325.1	4828.3
-47.5°	8108.5	7823.3	7523.1	7212.7	6938.1	6627.0	6221.0	5759.8	5310.7	4846.3	4337.7
-50°	7502.3	7230.8	6953.3	6665.2	6356.8	6005.9	5616.3	5213.9	4769.1	4292.3	3827.7
-52.5°	6839.7	6591.3	6329.2	6052.4	5734.0	5385.9	5020.8	4593.5	4149.7	3745.1	3322.5
-55°	6148.2	5903.0	5644.0	5367.3	5070.4	4726.0	4347.8	3959.2	3597.0	3222.7	2900.3
-57.5°	5383.2	5150.6	4903.9	4642.8	4368.7	4048.3	3716.6	3386.9	3100.0	2809.1	2516.5
-60°	4565.4	4348.4	4138.5	3907.0	3653.9	3378.2	3136.3	2893.0	2649.6	2417.4	2181.8
-62.5°	3773.4	3591.8	3403.1	3215.4	3022.9	2823.8	2623.4	2435.6	2243.6	2046.8	1873.4
-65°	3024.8	2886.7	2737.9	2607.9	2471.4	2327.5	2166.4	2019.1	1879.6	1735.3	1587.9
-67.5°	2396.5	2297.9	2192.8	2090.2	1996.6	1897.1	1783.9	1664.8	1554.2	1447.4	1338.8
-70°	1880.0	1814.8	1746.4	1671.6	1596.9	1521.9	1438.5	1350.9	1262.1	1182.1	1105.6
-72.5°	1443.0	1397.8	1345.9	1292.1	1234.6	1183.5	1126.6	1067.5	1007.3	946.6	888.9
-75°	1116.5	1083.8	1048.2	1008.0	959.3	901.7	858.9	830.1	793.8	749.7	701.4
-77.5°	883.0	859.3	833.7	799.4	763.8	727.1	690.9	655.1	619.7	586.3	555.7
-80°	649.7	638.4	624.3	595.9	567.4	539.1	512.0	490.1	469.5	446.8	418.9
-82.5°	381.4	380.0	376.0	360.1	344.1	328.4	313.0	297.6	281.3	264.3	247.1
-85°	123.2	129.9	135.4	138.1	139.7	140.1	139.3	135.3	130.6	125.2	119.3
-87.5°	26.9	27.0	27.1	28.2	29.2	30.0	30.7	32.2	33.5	34.5	35.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645533 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-750-U-LAM-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°	1.7	1.6	1.5	1.4	1.3	1.2	1.2	1.1	1.2	1.3	1.3
85°	2.5	2.5	2.5	2.5	2.5	2.5	2.3	2.1	2.4	2.6	2.6
82.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3.2	3.8	4.0
80°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.6	3.2	3.8	4.4
77.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.6	3.2	3.9	4.5
75°	2.5	2.5	2.5	2.6	2.7	2.5	2.5	2.7	3.3	3.9	4.5
72.5°	2.5	2.5	2.5	2.8	3.2	3.2	2.9	2.8	3.4	4.0	4.6
70°	2.9	2.6	2.5	2.9	3.5	4.0	3.9	4.0	3.5	4.0	4.6
67.5°	3.7	3.8	3.4	3.4	3.6	4.2	4.8	5.6	5.6	4.2	4.7
65°	3.8	4.4	5.2	7.0	6.2	4.3	4.9	9.8	7.8	6.6	4.8
62.5°	8.2	4.6	15.8	21.1	11.9	9.3	7.4	21.7	13.7	9.2	6.7
60°	19.6	16.0	44.0	70.4	49.1	16.5	24.3	37.7	34.6	12.0	9.4
57.5°	182.8	62.8	91.1	131.7	129.4	70.2	51.2	68.3	58.8	33.9	13.3
55°	390.3	328.5	216.9	198.6	214.5	173.2	112.7	110.6	90.7	62.9	21.5
52.5°	535.4	558.8	486.3	339.7	295.9	281.9	220.2	160.4	142.4	94.3	54.6
50°	775.1	721.8	714.5	599.8	414.8	375.5	325.1	250.6	199.9	135.0	92.3
47.5°	1094.9	961.8	891.2	839.7	661.9	478.7	426.4	342.8	263.2	194.5	131.7
45°	1564.7	1243.1	1106.6	1023.0	907.1	673.2	533.6	432.2	343.1	261.1	173.0
42.5°	2036.4	1607.3	1352.6	1217.5	1097.0	892.9	648.2	535.4	420.8	328.9	225.4
40°	2452.8	1982.8	1611.2	1437.5	1283.4	1105.1	833.9	645.8	497.1	398.7	285.0
37.5°	2954.1	2410.3	1908.7	1668.1	1482.1	1282.3	1022.3	761.1	588.7	471.9	344.7
35°	3439.0	2963.8	2241.6	1946.5	1703.2	1464.1	1203.7	897.4	701.3	546.2	404.4
32.5°	3959.8	3484.3	2744.5	2257.6	1932.1	1649.8	1373.3	1063.1	814.5	621.5	463.9
30°	4369.7	3827.0	3185.7	2568.9	2181.2	1857.1	1542.7	1222.1	928.0	697.5	524.0
27.5°	4587.1	4123.4	3534.0	2915.8	2461.5	2069.6	1717.2	1374.1	1041.3	780.9	586.5
25°	4811.8	4332.3	3782.9	3219.1	2738.3	2294.5	1890.9	1519.0	1165.1	875.1	648.4
22.5°	5080.7	4509.9	3992.8	3459.5	3023.8	2522.5	2073.1	1665.7	1288.8	967.4	709.2
20°	5350.6	4674.8	4199.9	3786.6	3303.9	2769.3	2263.6	1808.8	1405.5	1057.3	768.8
17.5°	5634.1	4974.2	4551.5	4105.7	3583.1	3008.4	2451.3	1947.4	1515.0	1144.3	826.7
15°	6127.2	5422.5	4905.7	4416.3	3861.0	3238.3	2634.4	2080.6	1617.1	1228.0	880.4
12.5°	6575.0	5839.9	5260.2	4716.6	4134.2	3457.6	2811.1	2207.3	1711.7	1294.7	928.4
10°	6945.6	6226.9	5610.5	5004.8	4399.4	3664.7	2979.5	2310.5	1768.5	1344.4	972.6
7.5°	7249.0	6584.7	5952.1	5279.1	4627.3	3800.0	3064.4	2370.7	1812.4	1386.8	1012.8
5°	7468.3	6823.3	6133.6	5374.7	4698.5	3855.6	3122.2	2419.7	1847.9	1422.1	1049.1
2.5°	7531.5	6896.7	6201.8	5427.1	4746.6	3891.6	3163.4	2457.1	1875.2	1450.8	1081.3
0°	7568.2	6945.0	6244.5	5459.3	4771.2	3908.7	3188.3	2482.8	1894.5	1473.3	1109.3
-2.5°	7619.6	6986.6	6285.7	5542.0	4787.6	3961.0	3202.4	2499.6	1918.9	1481.4	1125.6
-5°	7645.2	7002.8	6305.5	5597.6	4783.3	3992.2	3200.6	2504.9	1934.8	1484.1	1137.6
-7.5°	7634.0	6997.3	6306.3	5615.0	4761.7	3999.4	3183.3	2499.4	1941.3	1482.1	1145.1
-10°	7599.5	6969.0	6282.1	5570.0	4741.8	3971.2	3152.3	2483.5	1937.5	1475.7	1147.9
-12.5°	7547.2	6915.9	6232.9	5505.1	4700.2	3912.9	3115.8	2456.2	1921.9	1465.5	1146.0
-15°	7479.3	6838.8	6158.1	5422.7	4631.9	3835.4	3060.9	2416.7	1891.4	1453.9	1139.3
-17.5°	7392.1	6738.2	6057.4	5324.9	4535.8	3739.3	2987.2	2365.2	1853.3	1439.8	1125.5
-20°	7236.6	6603.0	5929.4	5213.8	4411.0	3625.5	2894.4	2301.8	1807.9	1419.7	1105.9



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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°	7061.7	6435.8	5769.7	5063.8	4260.7	3494.6	2782.1	2226.4	1755.6	1393.5	1082.4
-25°	6875.2	6247.5	5584.3	4856.3	4094.5	3356.3	2669.7	2139.1	1696.7	1361.1	1055.0
-27.5°	6656.3	6034.2	5374.1	4627.7	3901.7	3195.9	2562.0	2061.8	1639.6	1322.5	1024.0
-30°	6410.1	5783.4	5111.3	4383.7	3690.3	3010.3	2441.1	1979.3	1591.4	1280.3	989.4
-32.5°	6128.0	5507.1	4820.2	4134.1	3467.0	2813.4	2307.8	1891.0	1535.7	1235.5	957.3
-35°	5807.0	5185.6	4511.7	3866.0	3230.4	2654.3	2177.4	1797.3	1472.5	1187.1	923.6
-37.5°	5472.5	4840.5	4203.1	3586.1	2978.9	2482.2	2060.0	1704.7	1401.9	1135.3	886.3
-40°	5090.6	4485.5	3879.3	3297.8	2761.1	2297.3	1933.0	1613.4	1335.2	1080.1	845.5
-42.5°	4697.2	4113.1	3541.6	2992.6	2546.2	2146.7	1800.1	1515.1	1264.8	1026.8	801.2
-45°	4273.0	3719.9	3182.4	2735.5	2327.6	1987.2	1683.7	1413.1	1189.7	972.3	755.5
-47.5°	3825.5	3305.4	2856.0	2467.5	2141.7	1827.0	1559.9	1324.9	1110.8	913.8	709.7
-50°	3351.6	2919.6	2555.3	2234.6	1941.3	1682.8	1436.6	1232.6	1038.5	849.2	661.7
-52.5°	2931.5	2585.4	2284.0	2009.5	1764.7	1531.1	1330.3	1137.9	964.0	787.4	611.5
-55°	2571.6	2287.9	2033.5	1805.1	1589.6	1401.1	1220.0	1053.8	887.5	725.5	560.8
-57.5°	2260.8	2012.8	1809.2	1610.9	1432.9	1272.1	1119.4	967.9	814.1	661.3	520.5
-60°	1962.2	1777.1	1595.9	1436.5	1285.8	1149.3	1024.7	882.0	740.0	597.2	475.9
-62.5°	1704.3	1546.3	1409.3	1270.3	1145.2	1034.0	929.1	797.9	663.8	537.8	427.4
-65°	1462.6	1341.2	1224.6	1113.6	1009.9	915.6	830.7	711.8	587.4	474.9	377.1
-67.5°	1233.0	1141.6	1050.0	957.0	875.2	798.9	726.3	618.8	507.7	408.8	327.1
-70°	1028.0	949.9	878.1	809.0	742.7	679.1	610.6	519.9	424.3	349.4	276.0
-72.5°	834.4	777.3	717.7	660.9	611.9	556.0	493.0	422.3	355.2	289.0	223.7
-75°	655.2	617.6	575.6	530.4	484.7	434.8	393.2	343.7	285.3	227.5	180.3
-77.5°	524.2	487.5	445.4	409.4	378.9	344.7	306.9	263.9	217.6	176.9	139.4
-80°	386.7	358.6	334.8	314.1	285.8	254.6	223.3	192.0	158.2	126.7	97.7
-82.5°	235.9	229.7	223.1	213.5	190.0	166.8	144.2	121.8	97.9	75.7	62.7
-85°	118.0	115.6	112.1	107.1	92.6	78.5	71.9	65.2	57.1	49.4	41.9
-87.5°	38.8	41.7	44.1	45.8	42.5	39.3	36.0	32.7	28.6	24.7	21.0
-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):

	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°	1.3	1.1	0.9	0.7	0.4	0.3	0.0
85°	2.6	2.2	1.7	1.3	0.9	0.5	0.0
82.5°	3.9	3.2	2.6	2.0	1.3	0.8	0.0
80°	5.0	4.3	3.5	2.6	1.7	1.1	0.0
77.5°	5.0	5.1	4.3	3.2	2.2	1.4	0.0
75°	5.1	5.2	5.0	3.9	2.6	1.6	0.0
72.5°	5.1	5.4	5.3	4.5	3.1	1.9	0.0
70°	5.3	5.6	5.5	5.0	3.5	2.2	0.0
67.5°	5.9	5.8	5.8	5.3	4.0	2.4	0.0
65°	6.7	6.6	6.0	5.5	4.4	2.7	0.0
62.5°	7.8	8.2	6.3	5.8	4.9	3.0	0.0
60°	9.2	10.0	6.6	6.1	5.3	3.2	0.0
57.5°	17.1	12.0	8.5	6.3	5.6	3.5	0.0
55°	27.2	14.2	10.6	6.6	5.9	3.7	0.0
52.5°	39.0	18.1	12.7	6.9	6.2	4.0	0.0
50°	52.6	31.0	15.0	7.1	6.5	4.2	0.0
47.5°	70.8	44.7	17.4	7.8	6.8	4.4	0.0
45°	106.7	59.5	19.9	9.7	7.1	4.7	0.0
42.5°	143.5	75.2	22.4	11.6	7.4	4.9	0.0
40°	181.2	91.8	30.2	14.0	7.7	5.1	0.0
37.5°	219.5	109.3	43.2	17.0	8.0	5.3	0.0
35°	258.5	135.8	56.4	20.3	8.3	5.6	0.0
32.5°	300.7	166.5	69.8	24.0	8.7	5.8	0.0
30°	349.1	197.0	83.3	27.9	9.0	6.0	0.0
27.5°	396.5	227.1	99.9	32.2	9.3	6.1	0.0
25°	442.7	256.7	117.0	36.6	9.6	6.3	0.0
22.5°	487.6	287.0	134.0	41.2	10.0	6.5	0.0
20°	531.0	319.4	150.8	46.0	10.3	6.6	0.0
17.5°	573.9	350.8	167.4	50.8	10.6	6.8	0.0
15°	615.2	381.0	183.6	55.7	10.9	6.9	0.0
12.5°	653.7	409.8	199.2	60.6	11.2	7.1	0.0
10°	689.5	437.0	214.1	65.3	11.5	7.2	0.0
7.5°	722.4	462.4	228.2	69.9	11.8	7.3	0.0
5°	752.3	485.8	241.4	74.4	12.0	7.4	0.0
2.5°	779.1	507.1	253.4	78.5	12.3	7.4	0.0
0°	802.7	526.0	264.2	82.3	12.5	7.5	0.0
-2.5°	814.5	538.0	274.3	87.7	14.4	7.9	0.0
-5°	823.0	547.4	282.8	92.6	16.4	8.3	0.0
-7.5°	828.5	554.3	289.8	97.0	18.2	8.7	0.0
-10°	831.0	558.6	295.1	100.8	20.0	9.1	0.0
-12.5°	830.6	560.4	298.6	104.0	21.7	9.4	0.0
-15°	827.3	559.6	300.3	106.6	23.3	9.7	0.0
-17.5°	821.2	556.2	300.1	108.4	24.8	10.0	0.0
-20°	811.8	550.3	298.0	109.5	26.2	10.2	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	798.3	541.9	293.8	109.9	27.5	10.4	0.0
-25°	781.5	528.9	287.5	109.4	28.6	10.6	0.0
-27.5°	761.7	512.7	279.1	108.0	29.5	10.7	0.0
-30°	738.7	494.2	268.6	105.8	30.3	10.8	0.0
-32.5°	712.6	473.5	256.5	102.7	30.8	10.8	0.0
-35°	684.5	450.7	242.9	98.6	31.2	10.8	0.0
-37.5°	654.2	427.8	227.9	93.7	31.5	10.8	0.0
-40°	621.6	407.0	211.6	87.9	31.5	10.6	0.0
-42.5°	586.7	384.7	199.2	81.5	31.3	10.5	0.0
-45°	549.6	361.0	190.8	75.2	30.9	10.3	0.0
-47.5°	510.4	336.0	180.8	67.9	30.4	10.0	0.0
-50°	477.6	309.6	169.4	65.4	29.6	9.7	0.0
-52.5°	444.8	282.0	156.5	64.1	28.7	9.4	0.0
-55°	410.8	261.1	142.2	62.1	27.5	9.0	0.0
-57.5°	375.4	239.9	126.5	59.4	26.2	8.5	0.0
-60°	339.5	216.7	110.0	56.1	24.7	8.1	0.0
-62.5°	306.8	191.6	102.2	52.1	23.2	7.5	0.0
-65°	271.6	164.9	93.3	47.5	21.6	7.0	0.0
-67.5°	234.3	142.5	83.4	42.4	19.8	6.4	0.0
-70°	195.0	124.7	72.5	36.8	17.9	5.8	0.0
-72.5°	164.9	105.6	60.8	32.4	15.9	5.1	0.0
-75°	134.8	85.3	48.4	28.2	13.8	4.4	0.0
-77.5°	103.2	64.0	40.0	23.7	11.6	3.7	0.0
-80°	70.5	48.8	32.3	19.2	9.4	3.0	0.0
-82.5°	51.7	36.9	24.4	14.5	7.1	2.3	0.0
-85°	34.7	24.7	16.4	9.7	4.8	1.5	0.0
-87.5°	17.4	12.4	8.2	4.9	2.4	0.8	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)