

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: P645581 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA6D-750-U-LAM-VSR-XX

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-2019
Report Number: P645581 (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-SA6D-750-U-LAM-VSR-XX
Description: GALLEON FLOOD, SIX LIGHT SQAURE, LAMBERTIAN WITH VISOR
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

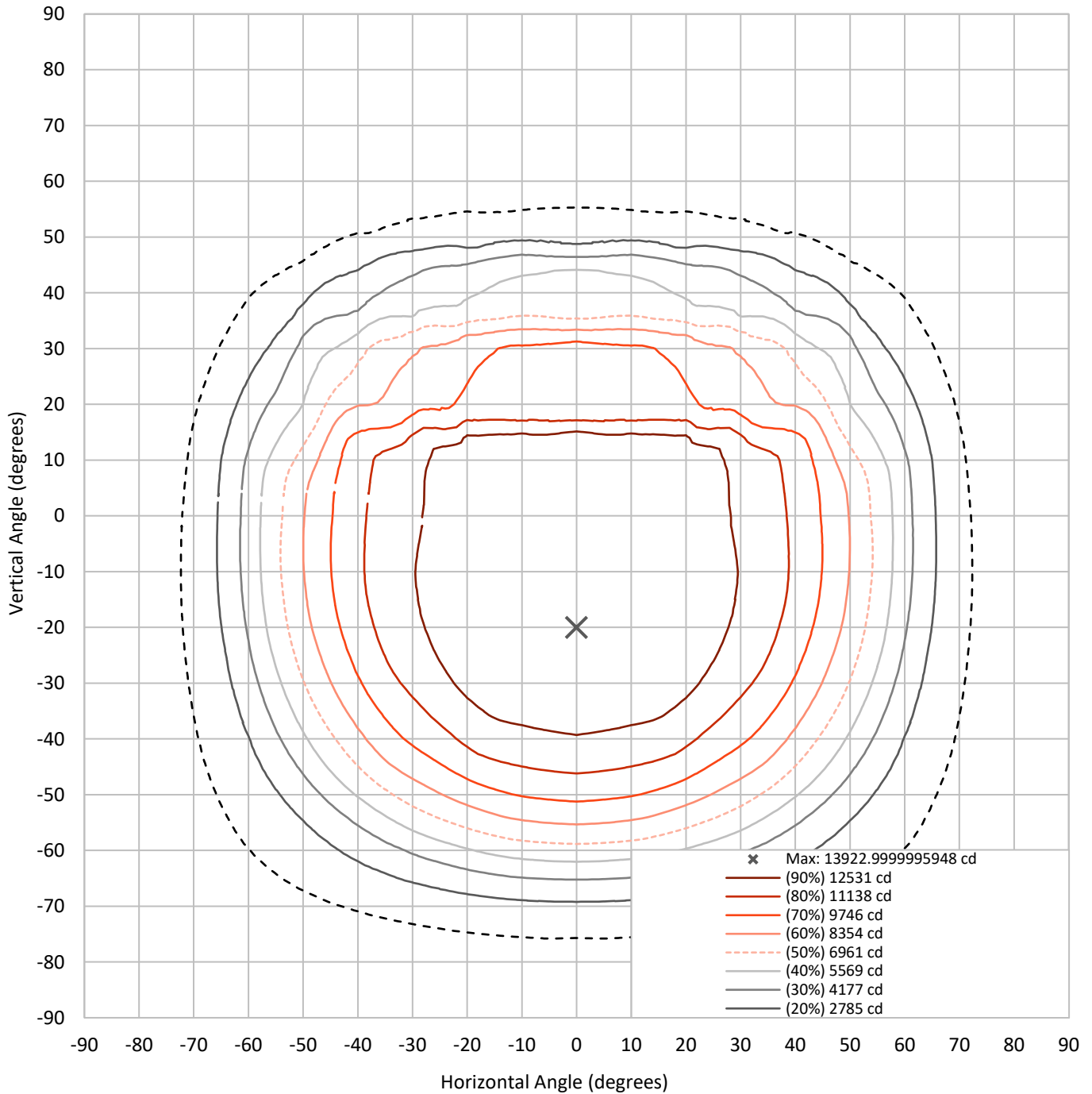
Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	32646.7 lumens	Max Intensity:	13923 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -20°V
Efficacy:	100.2 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	105.6°H x 93.7°V	Field Angle (10%):	144°H x 131.2°V
Beam Lumens:	25521.3 lumens	Field Lumens:	31998.4 lumens
Beam Efficiency:	78.2%	Field Efficiency:	98.0%
Input Watts (W):	325.9		
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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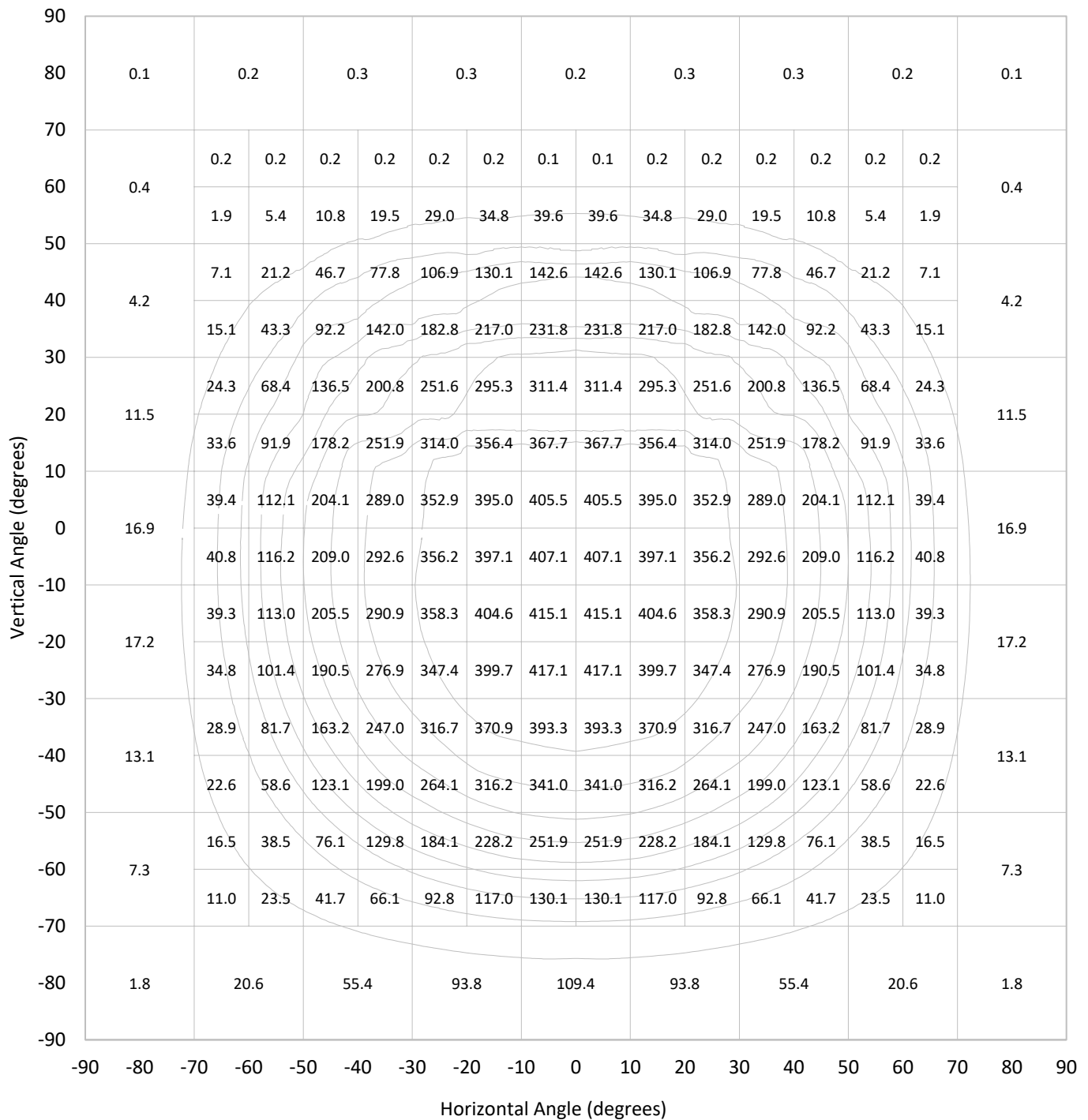
Iso-Candela Plot





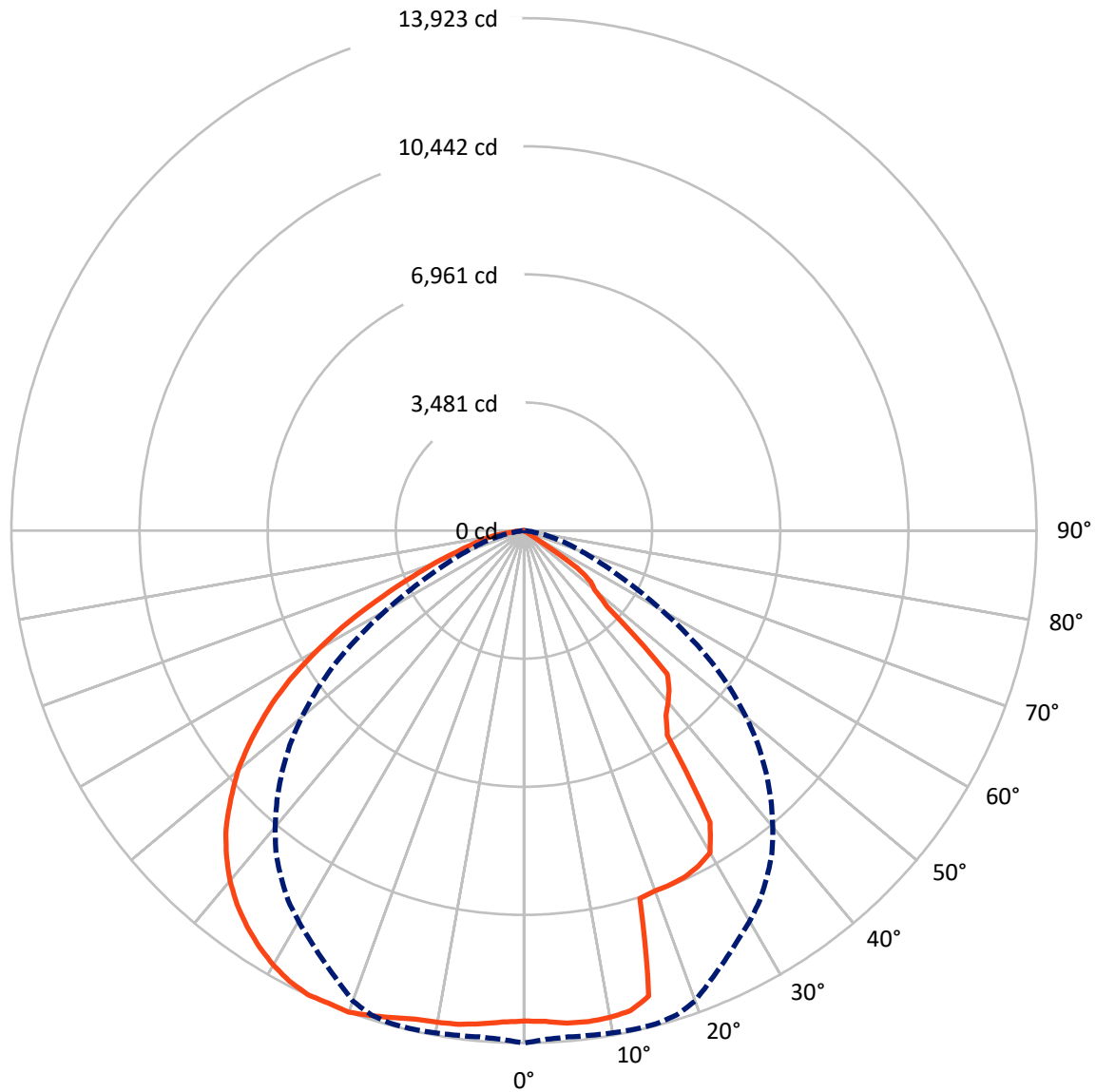
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Lumen Table



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Luminous Intensity Polar Plot

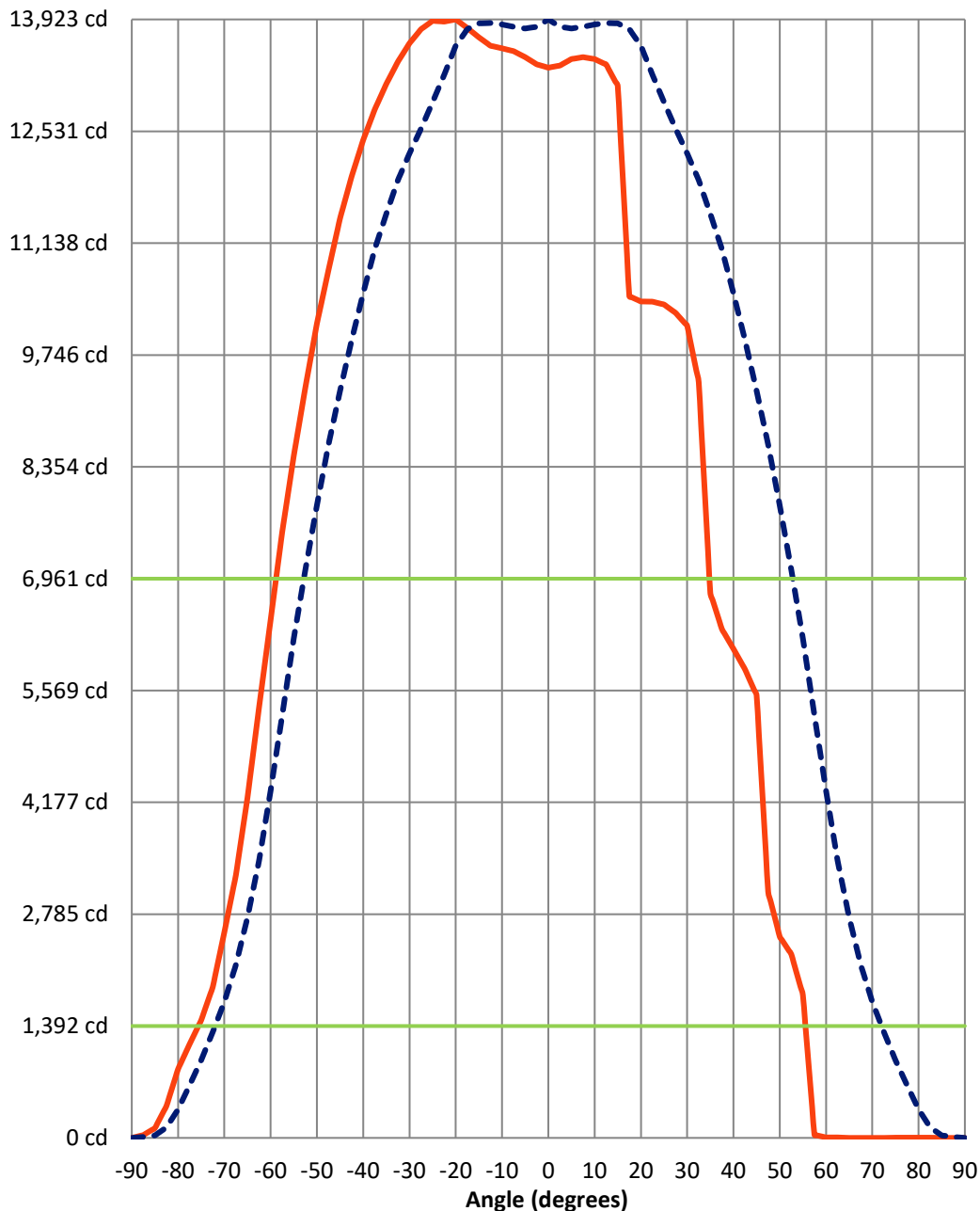


— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through -20-Deg



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Luminous Intensity Plot



Beam:
 H Angle: 105.6°
 V Angle: 93.7°
 Lumens: 25521.3
 Efficiency: 78.2%

Field:
 H Angle: 144°
 V Angle: 131.2°
 Lumens: 31998.4
 Efficiency: 98.0%

Spill:
 Lumens: 648.3
 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	0.5	0.8	1.0	1.3	1.5	1.6	1.5	1.4	1.3
85°	0.0	0.6	1.0	1.5	2.0	2.6	3.1	3.1	3.1	2.9	2.6
82.5°	0.0	1.0	1.5	2.3	3.1	3.8	4.6	4.7	4.5	3.8	3.1
80°	0.0	1.3	2.1	3.1	4.1	5.1	5.9	5.2	4.5	3.8	3.1
77.5°	0.0	1.6	2.6	3.8	5.1	6.0	5.9	5.3	4.6	3.9	3.2
75°	0.0	1.9	3.1	4.6	5.9	6.1	6.0	5.3	4.6	3.9	3.2
72.5°	0.0	2.2	3.6	5.3	6.2	6.4	6.1	5.4	4.7	4.0	3.3
70°	0.0	2.6	4.2	6.0	6.5	6.6	6.2	5.5	4.8	4.1	4.7
67.5°	0.0	2.9	4.7	6.3	6.8	6.8	6.9	5.5	4.9	6.6	6.7
65°	0.0	3.2	5.2	6.6	7.1	7.9	8.0	5.6	7.9	9.3	11.6
62.5°	0.0	3.5	5.8	6.9	7.4	9.8	9.3	7.9	11.0	16.2	25.9
60°	0.0	3.8	6.3	7.2	7.8	11.9	11.0	11.2	14.2	41.2	44.9
57.5°	0.0	4.1	6.6	7.5	10.1	14.3	20.3	15.8	40.4	70.1	81.5
55°	0.0	4.4	7.0	7.8	12.6	16.9	32.4	25.6	74.9	108.2	131.9
52.5°	0.0	4.7	7.3	8.1	15.2	21.6	46.5	65.1	112.5	169.8	191.3
50°	0.0	5.0	7.7	8.5	17.9	36.9	62.7	110.0	161.0	238.3	298.8
47.5°	0.0	5.3	8.0	9.3	20.7	53.3	84.3	157.1	231.9	313.8	408.7
45°	0.0	5.5	8.4	11.5	23.7	70.9	127.2	206.3	311.3	409.0	515.3
42.5°	0.0	5.8	8.8	13.8	26.8	89.6	171.1	268.8	392.1	501.8	638.3
40°	0.0	6.1	9.1	16.7	36.0	109.4	216.0	339.9	475.3	592.7	770.0
37.5°	0.0	6.3	9.5	20.3	51.5	130.2	261.8	411.1	562.6	702.0	907.5
35°	0.0	6.6	9.9	24.2	67.3	161.8	308.3	482.3	651.3	836.2	1070.0
32.5°	0.0	6.8	10.3	28.6	83.2	198.5	358.7	553.2	741.1	971.2	1267.6
30°	0.0	7.1	10.7	33.3	99.3	234.9	416.3	624.8	831.6	1106.5	1457.3
27.5°	0.0	7.3	11.1	38.3	119.1	270.8	472.8	699.4	931.1	1241.6	1638.5
25°	0.0	7.5	11.5	43.6	139.5	306.2	527.9	773.1	1043.4	1389.2	1811.3
22.5°	0.0	7.7	11.9	49.1	159.7	342.2	581.5	845.7	1153.5	1536.7	1986.2
20°	0.0	7.9	12.2	54.8	179.8	380.9	633.2	916.7	1260.7	1675.9	2156.8
17.5°	0.0	8.1	12.6	60.6	199.6	418.4	684.4	985.7	1364.5	1806.4	2322.1
15°	0.0	8.2	13.0	66.4	218.9	454.4	733.5	1049.9	1464.2	1928.2	2480.9
12.5°	0.0	8.4	13.3	72.2	237.5	488.7	779.5	1107.0	1543.7	2041.1	2632.0
10°	0.0	8.5	13.7	77.9	255.3	521.1	822.2	1159.7	1603.1	2108.8	2755.1
7.5°	0.0	8.6	14.0	83.4	272.2	551.4	861.3	1207.7	1653.6	2161.2	2826.9
5°	0.0	8.7	14.3	88.6	287.9	579.3	897.0	1250.9	1695.7	2203.5	2885.3
2.5°	0.0	8.8	14.6	93.6	302.2	604.6	928.9	1289.3	1729.9	2236.0	2929.9
0°	0.0	8.9	14.9	98.1	315.1	627.2	957.1	1322.7	1756.7	2259.1	2960.6
-2.5°	0.0	9.4	17.2	104.5	327.1	641.5	971.1	1342.2	1766.3	2288.2	2980.6
-5°	0.0	9.9	19.5	110.4	337.3	652.8	981.4	1356.5	1769.7	2307.2	2986.9
-7.5°	0.0	10.4	21.7	115.6	345.6	661.0	987.9	1365.4	1767.2	2314.9	2980.3
-10°	0.0	10.8	23.9	120.2	351.9	666.1	990.9	1368.8	1759.7	2310.4	2961.3
-12.5°	0.0	11.2	25.9	124.0	356.1	668.2	990.3	1366.5	1747.5	2291.7	2928.8
-15°	0.0	11.6	27.8	127.1	358.1	667.3	986.4	1358.5	1733.7	2255.4	2881.7
-17.5°	0.0	11.9	29.6	129.3	357.9	663.3	979.3	1342.1	1716.8	2210.0	2820.3
-20°	0.0	12.2	31.3	130.6	355.3	656.2	968.1	1318.7	1692.8	2155.8	2744.7

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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	12.4	32.8	131.0	350.3	646.2	951.9	1290.6	1661.6	2093.4	2654.8
-25°	0.0	12.6	34.1	130.4	342.8	630.7	931.9	1258.0	1623.0	2023.2	2550.7
-27.5°	0.0	12.8	35.2	128.8	332.8	611.3	908.3	1221.0	1576.9	1955.1	2458.5
-30°	0.0	12.9	36.1	126.2	320.3	589.3	880.9	1179.7	1526.6	1897.6	2360.1
-32.5°	0.0	12.9	36.8	122.5	305.8	564.6	849.8	1141.5	1473.2	1831.2	2254.8
-35°	0.0	12.9	37.3	117.7	289.6	537.4	816.2	1101.2	1415.5	1755.8	2143.1
-37.5°	0.0	12.8	37.5	111.8	271.8	510.0	780.1	1056.8	1353.7	1671.6	2032.7
-40°	0.0	12.7	37.6	104.8	252.3	485.3	741.2	1008.1	1287.9	1592.1	1923.8
-42.5°	0.0	12.5	37.4	97.3	237.6	458.7	699.5	955.4	1224.3	1508.1	1806.5
-45°	0.0	12.2	36.9	89.7	227.6	430.5	655.3	900.9	1159.3	1418.5	1685.0
-47.5°	0.0	11.9	36.2	81.0	215.7	400.7	608.6	846.3	1089.6	1324.5	1579.8
-50°	0.0	11.6	35.3	78.1	202.0	369.2	569.5	789.1	1012.6	1238.3	1469.7
-52.5°	0.0	11.2	34.2	76.6	186.7	336.3	530.4	729.2	939.0	1149.5	1356.8
-55°	0.0	10.7	32.8	74.2	169.6	311.4	489.8	668.7	865.1	1058.2	1256.6
-57.5°	0.0	10.2	31.3	70.9	150.9	286.0	447.6	620.6	788.6	970.7	1154.1
-60°	0.0	9.6	29.5	66.9	131.3	258.4	404.9	567.4	712.1	882.4	1051.7
-62.5°	0.0	9.0	27.7	62.2	121.9	228.6	365.8	509.6	641.3	791.6	951.4
-65°	0.0	8.3	25.7	56.7	111.3	196.7	323.9	449.6	566.3	700.5	848.7
-67.5°	0.0	7.6	23.6	50.6	99.5	170.0	279.4	390.1	487.4	605.4	737.9
-70°	0.0	6.9	21.4	43.9	86.5	148.8	232.5	329.1	416.6	505.9	619.9
-72.5°	0.0	6.1	19.0	38.7	72.6	126.0	196.7	266.8	344.6	423.6	503.5
-75°	0.0	5.3	16.5	33.6	57.8	101.8	160.8	215.0	271.3	340.2	409.9
-77.5°	0.0	4.4	13.9	28.3	47.7	76.3	123.1	166.2	211.0	259.5	314.7
-80°	0.0	3.6	11.2	22.9	38.6	58.2	84.1	116.5	151.1	188.6	228.9
-82.5°	0.0	2.7	8.5	17.3	29.1	44.0	61.7	74.8	90.3	116.7	145.2
-85°	0.0	1.8	5.7	11.6	19.5	29.5	41.4	50.0	58.8	68.1	77.7
-87.5°	0.0	0.9	2.8	5.8	9.8	14.8	20.8	25.0	29.5	34.1	38.9
-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°	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4
85°	2.8	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
82.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
80°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
77.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
75°	3.0	3.0	3.2	3.1	3.0	3.0	3.0	3.0	3.0	3.0	3.0
72.5°	3.5	3.8	3.8	3.4	3.0	3.0	3.0	3.0	3.0	3.0	3.0
70°	4.6	4.8	4.2	3.5	3.0	3.2	3.4	3.3	3.0	3.0	3.0
67.5°	5.7	5.0	4.3	4.1	4.1	4.5	4.4	3.7	3.0	3.0	3.1
65°	5.8	5.1	7.4	8.4	6.2	5.2	4.5	3.8	4.1	4.3	4.3
62.5°	8.8	11.1	14.2	25.1	18.7	5.4	9.8	11.5	8.5	7.0	7.5
60°	29.0	19.7	58.6	83.9	52.4	19.1	23.3	77.6	67.3	12.4	42.0
57.5°	61.1	83.8	154.3	157.0	108.6	75.0	218.0	251.9	190.6	111.2	170.1
55°	134.4	206.5	255.8	236.8	258.6	391.7	465.4	418.1	352.0	541.4	691.7
52.5°	262.6	336.2	352.8	405.1	579.9	666.3	638.5	682.8	885.5	1099.6	1146.1
50°	387.6	447.7	494.6	715.2	852.0	860.7	924.2	1124.9	1395.2	1526.3	1494.6
47.5°	508.4	570.8	789.2	1001.2	1062.7	1146.8	1305.6	1693.1	1979.4	1985.0	1952.6
45°	636.2	802.7	1081.6	1219.9	1319.6	1482.3	1865.7	2400.3	2428.0	2505.6	2983.4
42.5°	772.9	1064.7	1308.0	1451.9	1612.8	1916.5	2428.2	2778.9	2899.5	3239.5	3623.7
40°	994.3	1317.7	1530.4	1714.1	1921.1	2364.3	2924.7	3253.3	3351.3	3645.6	3934.4
37.5°	1218.9	1529.1	1767.3	1989.0	2275.9	2874.1	3522.5	3793.4	3843.1	3896.9	4536.8
35°	1435.3	1745.8	2031.0	2321.1	2672.9	3534.1	4100.7	4355.5	4347.7	4711.0	5381.0
32.5°	1637.5	1967.3	2303.9	2691.9	3272.5	4154.7	4721.6	4874.2	5105.6	5634.2	6548.8
30°	1839.5	2214.4	2600.9	3063.2	3798.7	4563.3	5210.5	5456.0	5852.4	6455.8	7121.4
27.5°	2047.5	2467.8	2935.1	3476.9	4213.9	4916.8	5469.7	6056.1	6441.3	6982.0	7455.5
25°	2254.7	2736.0	3265.2	3838.5	4510.8	5165.9	5737.7	6414.9	6828.5	7264.4	7706.2
22.5°	2472.0	3007.9	3605.6	4125.1	4761.0	5377.6	6058.3	6792.9	7330.7	7607.7	7904.2
20°	2699.1	3302.1	3939.6	4515.1	5008.0	5574.3	6380.2	7272.7	7967.0	8278.7	8319.3
17.5°	2922.9	3587.2	4272.6	4895.7	5427.3	5931.3	6718.2	7847.6	8710.9	9000.7	9129.5
15°	3141.3	3861.4	4603.9	5266.0	5849.6	6465.9	7306.2	8454.8	9441.7	9762.3	9965.1
12.5°	3352.0	4122.9	4929.6	5624.1	6272.3	6963.6	7840.2	8891.6	9792.4	10412.7	10784.7
10°	3552.8	4369.8	5245.9	5967.8	6690.1	7425.1	8282.0	9217.0	9950.3	10548.5	11076.7
7.5°	3654.1	4531.2	5517.6	6294.9	7097.5	7851.6	8643.8	9446.3	10064.0	10650.8	11161.4
5°	3722.9	4597.4	5602.5	6408.9	7313.8	8136.2	8905.3	9597.0	10138.2	10719.8	11218.6
2.5°	3772.1	4640.4	5659.9	6471.3	7395.1	8223.7	8980.6	9647.4	10199.5	10769.2	11280.0
0°	3801.8	4660.8	5689.3	6509.7	7446.0	8281.3	9024.4	9666.4	10240.1	10793.0	11342.9
-2.5°	3818.6	4723.2	5708.8	6608.3	7495.2	8330.9	9085.7	9712.3	10311.9	10837.9	11389.2
-5°	3816.5	4760.4	5703.7	6674.6	7518.7	8350.2	9116.3	9733.1	10350.8	10871.6	11408.1
-7.5°	3795.7	4769.0	5677.9	6695.4	7519.7	8343.7	9102.8	9743.1	10350.1	10902.5	11409.8
-10°	3758.8	4735.3	5654.1	6641.7	7490.9	8309.9	9061.7	9721.2	10326.0	10896.3	11400.0
-12.5°	3715.2	4665.8	5604.6	6564.4	7432.2	8246.7	8999.3	9665.6	10280.7	10849.6	11377.2
-15°	3649.8	4573.3	5523.2	6466.1	7343.0	8154.7	8918.4	9574.7	10211.0	10768.1	11309.7
-17.5°	3562.0	4458.8	5408.6	6349.5	7222.9	8034.7	8814.5	9454.8	10088.0	10663.6	11186.4
-20°	3451.3	4323.1	5259.8	6217.0	7070.3	7873.6	8629.0	9299.6	9928.7	10514.2	11063.5



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 CATALOG NUMBER: GFLD-SA6D-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°	3317.4	4167.0	5080.5	6038.1	6879.9	7674.1	8420.5	9101.9	9753.7	10320.0	10905.4
-25°	3183.4	4002.1	4882.4	5790.7	6658.7	7449.6	8198.2	8862.0	9528.2	10117.3	10673.3
-27.5°	3054.9	3810.8	4652.4	5518.1	6408.1	7195.3	7937.1	8601.4	9248.2	9892.2	10427.6
-30°	2910.8	3589.5	4400.3	5227.2	6094.8	6896.2	7643.6	8332.9	8948.4	9584.4	10159.2
-32.5°	2751.8	3354.7	4134.1	4929.5	5747.6	6566.7	7307.2	7991.9	8632.2	9233.7	9837.1
-35°	2596.3	3165.1	3851.9	4609.9	5379.8	6183.4	6924.3	7602.5	8267.0	8862.8	9439.4
-37.5°	2456.3	2959.7	3552.0	4276.1	5011.9	5771.9	6525.4	7181.9	7814.4	8469.5	9031.7
-40°	2305.0	2739.2	3292.3	3932.3	4625.7	5348.6	6070.1	6749.2	7343.7	7991.1	8609.5
-42.5°	2146.5	2559.7	3036.1	3568.4	4223.0	4904.5	5601.0	6265.2	6882.6	7493.4	8106.2
-45°	2007.7	2369.6	2775.4	3261.8	3794.7	4435.6	5095.1	5757.3	6349.7	6931.8	7537.0
-47.5°	1860.0	2178.6	2553.8	2942.3	3405.5	3941.4	4561.6	5172.3	5778.7	6332.6	6868.1
-50°	1713.0	2006.6	2314.9	2664.6	3046.9	3481.3	3996.4	4564.1	5118.1	5686.7	6217.2
-52.5°	1586.3	1825.7	2104.3	2396.2	2723.4	3082.8	3495.5	3961.8	4465.6	4948.2	5477.4
-55°	1454.8	1670.6	1895.5	2152.4	2424.7	2728.1	3066.4	3458.3	3842.7	4289.0	4721.1
-57.5°	1334.9	1516.9	1708.6	1920.8	2157.3	2400.1	2695.8	3000.7	3349.6	3696.4	4038.5
-60°	1221.8	1370.5	1533.2	1712.9	1903.0	2119.0	2339.7	2601.6	2882.6	3159.4	3449.6
-62.5°	1107.8	1232.9	1365.5	1514.7	1680.5	1843.8	2032.2	2233.9	2440.7	2675.4	2904.3
-65°	990.6	1091.7	1204.2	1327.9	1460.2	1599.3	1744.0	1893.4	2069.3	2241.2	2407.6
-67.5°	866.1	952.7	1043.6	1141.1	1252.0	1361.2	1470.3	1596.4	1725.9	1853.2	1985.1
-70°	728.1	809.8	885.6	964.6	1047.1	1132.6	1225.8	1318.3	1409.6	1505.0	1610.8
-72.5°	587.9	663.0	729.7	788.1	855.8	926.8	994.9	1059.8	1128.7	1201.1	1272.8
-75°	468.9	518.5	578.0	632.5	686.3	736.4	781.3	836.3	893.8	946.4	989.7
-77.5°	366.0	411.1	451.8	488.3	531.2	581.3	625.1	662.6	699.1	738.9	781.1
-80°	266.3	303.7	340.8	374.6	399.3	427.6	461.1	499.5	532.7	559.8	584.4
-82.5°	171.9	198.9	226.6	254.7	266.1	273.9	281.3	294.6	315.1	335.5	354.9
-85°	85.6	93.5	110.3	127.6	133.6	137.8	140.7	142.2	149.2	155.7	161.3
-87.5°	42.9	46.8	50.7	54.5	52.5	49.7	46.2	42.1	41.1	39.9	38.3
-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: P645581 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA6D-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°	2.5	2.5	2.6	2.7	2.7	2.1	1.4	0.7	0.0	0.0	0.0
85°	3.0	3.0	3.0	3.0	3.0	2.9	2.8	2.8	2.8	2.2	1.5
82.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.9	2.9
80°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
77.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
75°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
72.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
70°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
67.5°	3.2	3.0	3.0	3.0	3.1	3.0	3.0	3.0	3.0	2.6	1.9
65°	4.2	4.1	4.3	4.1	3.7	3.5	3.7	3.6	3.3	2.6	1.8
62.5°	7.4	8.4	6.6	6.6	6.4	6.2	6.0	5.7	5.3	5.0	5.2
60°	46.6	27.5	16.1	18.8	16.9	11.2	14.3	16.7	16.9	15.5	13.7
57.5°	258.4	192.9	142.8	341.1	342.1	163.3	196.7	309.2	254.7	83.6	77.7
55°	718.8	859.7	1131.4	1074.7	1092.1	1256.1	1371.6	1214.3	1190.4	1268.5	1465.4
52.5°	1291.3	1425.6	1517.0	1602.5	1706.6	1818.5	1933.8	2007.1	2075.7	2148.7	2192.2
50°	1649.0	1838.2	1968.3	1920.5	2189.8	2300.0	2188.1	2288.1	2410.1	2443.6	2459.3
47.5°	2434.8	2712.5	2767.6	2946.4	3107.1	3103.7	2967.2	2975.1	3338.3	3658.7	3816.0
45°	3499.2	3508.7	3683.2	3999.0	4224.8	4153.7	4344.2	4777.3	4921.5	5060.9	5175.2
42.5°	3913.9	4085.7	4364.2	4643.5	4811.8	4957.8	5098.8	5258.1	5445.2	5597.0	5718.4
40°	4315.4	4453.8	4739.1	4964.0	5103.4	5239.6	5404.0	5580.4	5751.6	5885.1	5976.1
37.5°	4933.3	5040.7	5110.2	5318.9	5582.6	5460.9	5772.8	5996.3	6098.5	6234.0	6246.2
35°	5868.3	5796.9	5704.4	6535.5	6585.2	6304.6	6596.2	6942.8	6760.1	7140.6	7345.2
32.5°	6697.2	6686.5	7411.8	7848.7	7597.4	7802.6	8474.8	8445.0	8893.1	9101.1	9041.8
30°	7478.1	7744.5	8164.0	8489.4	8532.9	8856.4	9155.0	9416.5	9687.1	9929.6	9946.2
27.5°	7874.5	8222.2	8507.0	8695.2	8905.3	9177.5	9448.5	9743.1	9973.1	10125.1	10162.3
25°	8114.2	8469.5	8685.0	8887.7	9119.7	9354.6	9658.0	9978.7	10163.4	10257.3	10287.2
22.5°	8325.7	8644.8	8876.6	9041.1	9290.7	9543.4	9826.2	10097.7	10298.5	10339.4	10354.4
20°	8529.2	8835.8	9223.0	9465.1	9453.0	9737.7	10010.3	10226.2	10393.5	10392.6	10396.7
17.5°	9117.9	9227.3	9929.9	10463.3	10199.2	10059.9	10809.4	10823.6	10868.1	10779.6	10587.8
15°	9989.4	10188.8	11051.9	11630.1	11448.1	11438.5	12521.1	12252.6	12483.7	12423.2	12683.3
12.5°	10912.7	11148.8	11793.7	12361.5	12632.1	12698.6	13060.2	13399.0	13468.6	13441.1	13390.0
10°	11541.7	11877.9	12137.0	12481.6	12754.5	13032.9	13242.3	13485.6	13565.3	13519.2	13454.1
7.5°	11623.6	11955.9	12260.0	12562.4	12822.3	13046.7	13264.0	13462.0	13543.2	13516.3	13471.6
5°	11675.7	11976.7	12271.6	12578.3	12826.8	13034.7	13251.3	13451.9	13499.8	13467.6	13424.0
2.5°	11707.8	11986.4	12270.6	12576.2	12801.8	12999.7	13219.0	13433.0	13432.6	13418.5	13393.1
0°	11723.4	12002.8	12332.7	12609.2	12861.8	13049.1	13266.1	13474.2	13459.3	13420.7	13376.1
-2.5°	11756.8	12039.9	12376.6	12605.7	12890.6	13062.0	13286.3	13466.6	13459.6	13440.6	13418.5
-5°	11786.6	12104.9	12420.0	12660.9	12946.4	13170.7	13393.6	13534.6	13542.1	13515.6	13478.4
-7.5°	11804.8	12157.7	12458.2	12700.2	12977.1	13237.9	13464.0	13611.9	13615.2	13580.0	13535.5
-10°	11798.7	12171.4	12480.6	12730.7	13014.3	13271.9	13508.2	13695.8	13689.7	13656.2	13618.2
-12.5°	11776.4	12148.6	12466.3	12717.1	13039.1	13304.3	13570.2	13756.7	13766.6	13741.5	13700.4
-15°	11727.4	12111.7	12420.7	12694.6	13010.2	13320.2	13593.4	13799.2	13835.9	13815.3	13782.9
-17.5°	11630.6	12036.1	12363.8	12659.0	12961.8	13292.2	13603.0	13828.0	13878.1	13870.0	13843.1
-20°	11503.4	11921.9	12254.6	12563.8	12893.5	13233.8	13595.5	13801.1	13873.9	13878.5	13860.2

Classified

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

Scaled Data Report



REPORT NUMBER: P645581 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA6D-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°	11360.6	11770.3	12123.2	12427.3	12784.8	13129.3	13456.8	13697.5	13819.9	13842.6	13844.2
-25°	11189.4	11610.4	11961.1	12284.9	12617.4	12973.2	13304.1	13572.9	13696.9	13756.1	13774.5
-27.5°	10947.5	11382.6	11727.8	12070.0	12408.2	12775.8	13123.5	13415.8	13516.6	13598.1	13630.8
-30°	10664.2	11094.5	11446.3	11759.2	12146.2	12520.8	12879.8	13134.8	13286.9	13380.1	13431.0
-32.5°	10338.4	10772.8	11142.0	11468.7	11836.5	12211.2	12548.9	12817.8	13027.5	13135.0	13189.5
-35°	9985.1	10428.5	10815.1	11159.3	11505.5	11862.7	12212.6	12493.9	12732.8	12825.2	12893.4
-37.5°	9558.9	10048.1	10444.5	10799.4	11128.4	11464.1	11828.5	12150.2	12382.2	12471.8	12543.7
-40°	9121.9	9594.7	9994.5	10373.1	10698.4	11064.9	11415.9	11753.1	11954.4	12058.9	12140.3
-42.5°	8660.6	9087.7	9467.9	9835.7	10197.9	10575.2	10926.0	11276.4	11450.5	11576.4	11676.3
-45°	8128.1	8525.5	8894.9	9239.1	9612.4	9983.5	10334.4	10644.1	10851.3	11015.2	11142.8
-47.5°	7418.0	7902.2	8273.1	8600.5	8970.6	9328.6	9668.7	9959.8	10187.1	10378.8	10527.0
-50°	6696.9	7161.6	7579.9	7947.7	8291.2	8622.2	8945.9	9230.7	9471.2	9679.0	9829.1
-52.5°	5986.8	6422.2	6837.3	7217.0	7547.1	7859.6	8155.8	8442.3	8695.9	8918.1	9063.3
-55°	5184.4	5635.4	6046.0	6400.0	6729.9	7038.8	7331.2	7602.9	7852.6	8078.9	8218.0
-57.5°	4431.7	4827.3	5209.3	5536.2	5847.5	6141.6	6418.9	6679.1	6919.3	7132.3	7266.4
-60°	3739.7	4028.2	4357.0	4658.7	4934.8	5185.1	5443.8	5686.4	5907.1	6094.3	6219.3
-62.5°	3128.1	3367.1	3604.6	3834.1	4057.9	4282.9	4499.4	4700.6	4885.0	5038.4	5148.0
-65°	2583.2	2775.3	2947.0	3109.7	3264.7	3442.2	3606.9	3761.7	3905.1	4022.6	4106.0
-67.5°	2127.1	2262.0	2380.8	2492.4	2614.7	2740.1	2857.6	2960.0	3047.5	3117.2	3172.3
-70°	1715.3	1814.6	1904.1	1993.2	2082.4	2163.9	2241.7	2317.0	2388.6	2446.9	2490.6
-72.5°	1343.4	1411.2	1472.1	1540.7	1604.9	1666.8	1720.6	1764.0	1797.7	1830.6	1859.2
-75°	1024.1	1075.1	1143.8	1201.9	1249.9	1292.3	1331.3	1365.9	1396.4	1423.4	1447.1
-77.5°	823.7	867.0	910.8	953.2	994.1	1024.6	1052.9	1081.2	1108.9	1132.8	1153.9
-80°	610.5	642.8	676.6	710.6	744.5	761.3	774.8	787.2	798.2	812.5	825.8
-82.5°	373.3	391.6	410.3	429.4	448.4	453.1	454.8	454.4	451.9	446.7	438.9
-85°	166.1	167.1	166.6	164.7	161.5	154.9	146.9	137.6	127.2	125.5	123.6
-87.5°	36.6	35.8	34.8	33.7	32.4	32.3	32.1	31.9	31.6	32.7	33.7
-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: P645581 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA6D-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	0.7
85°	0.7	0.0	0.0	0.0	0.0	0.0	0.7	1.5	2.2	2.8	2.8
82.5°	2.9	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.9	3.0	3.0
80°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
77.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
75°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
72.5°	3.0	3.0	1.6	0.0	1.6	3.0	3.0	3.0	3.0	3.0	3.0
70°	3.0	3.0	1.6	0.0	1.6	3.0	3.0	3.0	3.0	3.0	3.0
67.5°	1.1	0.2	0.0	0.0	0.0	0.2	1.1	1.9	2.6	3.0	3.0
65°	1.0	0.2	0.0	0.0	0.0	0.2	1.0	1.8	2.6	3.3	3.6
62.5°	5.4	5.6	5.8	5.9	5.8	5.6	5.4	5.2	5.0	5.3	5.7
60°	10.7	7.0	5.9	5.9	5.9	7.0	10.7	13.7	15.5	16.9	16.7
57.5°	65.7	49.0	41.7	38.6	41.7	49.0	65.7	77.7	83.6	254.7	309.2
55°	1606.4	1688.2	1749.3	1777.5	1749.3	1688.2	1606.4	1465.4	1268.5	1190.4	1214.3
52.5°	2230.4	2266.0	2286.5	2285.8	2286.5	2266.0	2230.4	2192.2	2148.7	2075.7	2007.1
50°	2486.1	2503.4	2509.6	2505.8	2509.6	2503.4	2486.1	2459.3	2443.6	2410.1	2288.1
47.5°	3672.3	3354.4	3120.8	3064.6	3120.8	3354.4	3672.3	3816.0	3658.7	3338.3	2975.1
45°	5230.0	5350.6	5470.7	5508.0	5470.7	5350.6	5230.0	5175.2	5060.9	4921.5	4777.3
42.5°	5769.6	5808.8	5831.1	5832.0	5831.1	5808.8	5769.6	5718.4	5597.0	5445.2	5258.1
40°	6027.1	6064.1	6085.6	6087.6	6085.6	6064.1	6027.1	5976.1	5885.1	5751.6	5580.4
37.5°	6260.9	6292.5	6313.2	6334.3	6313.2	6292.5	6260.9	6246.2	6234.0	6098.5	5996.3
35°	7317.6	7078.2	6733.9	6786.1	6733.9	7078.2	7317.6	7345.2	7140.6	6760.1	6942.8
32.5°	9134.4	9235.1	9297.9	9404.9	9297.9	9235.1	9134.4	9041.8	9101.1	8893.1	8445.0
30°	9972.8	10006.0	10056.4	10109.3	10056.4	10006.0	9972.8	9946.2	9929.6	9687.1	9416.5
27.5°	10182.0	10216.4	10247.0	10269.9	10247.0	10216.4	10182.0	10162.3	10125.1	9973.1	9743.1
25°	10291.5	10312.9	10345.4	10373.9	10345.4	10312.9	10291.5	10287.2	10257.3	10163.4	9978.7
22.5°	10345.8	10348.0	10373.4	10409.6	10373.4	10348.0	10345.8	10354.4	10339.4	10298.5	10097.7
20°	10383.1	10362.9	10389.2	10412.5	10389.2	10362.9	10383.1	10396.7	10392.6	10393.5	10226.2
17.5°	10858.4	10587.3	10475.8	10477.9	10475.8	10587.3	10858.4	10587.8	10779.6	10868.1	10823.6
15°	12391.4	12493.1	12883.0	13093.7	12883.0	12493.1	12391.4	12683.3	12423.2	12483.7	12252.6
12.5°	13380.6	13344.5	13298.1	13361.2	13298.1	13344.5	13380.6	13390.0	13441.1	13468.6	13399.0
10°	13426.4	13422.3	13339.8	13429.6	13339.8	13422.3	13426.4	13454.1	13519.2	13565.3	13485.6
7.5°	13398.3	13400.8	13365.7	13453.4	13365.7	13400.8	13398.3	13471.6	13516.3	13543.2	13462.0
5°	13416.9	13356.5	13379.4	13429.6	13379.4	13356.5	13416.9	13424.0	13467.6	13499.8	13451.9
2.5°	13365.0	13358.8	13314.2	13349.3	13314.2	13358.8	13365.0	13393.1	13418.5	13432.6	13433.0
0°	13325.5	13292.8	13292.8	13322.6	13292.8	13292.8	13325.5	13376.1	13420.7	13459.3	13474.2
-2.5°	13395.9	13389.0	13384.7	13364.2	13384.7	13389.0	13395.9	13418.5	13440.6	13459.6	13466.6
-5°	13453.6	13435.9	13387.3	13453.4	13387.3	13435.9	13453.6	13478.4	13515.6	13542.1	13534.6
-7.5°	13515.8	13470.7	13424.5	13527.7	13424.5	13470.7	13515.8	13535.5	13580.0	13615.2	13611.9
-10°	13572.5	13507.3	13462.4	13563.3	13462.4	13507.3	13572.5	13618.2	13656.2	13689.7	13695.8
-12.5°	13647.6	13571.4	13541.3	13596.0	13541.3	13571.4	13647.6	13700.4	13741.5	13766.6	13756.7
-15°	13727.7	13674.9	13667.8	13700.1	13667.8	13674.9	13727.7	13782.9	13815.3	13835.9	13799.2
-17.5°	13798.0	13760.9	13779.2	13816.0	13779.2	13760.9	13798.0	13843.1	13870.0	13878.1	13828.0
-20°	13831.5	13810.8	13831.4	13923.0	13831.4	13810.8	13831.5	13860.2	13878.5	13873.9	13801.1



REPORT NUMBER: P645581 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA6D-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°	13828.6	13829.9	13866.3	13896.3	13866.3	13829.9	13828.6	13844.2	13842.6	13819.9	13697.5
-25°	13775.9	13803.7	13845.4	13905.2	13845.4	13803.7	13775.9	13774.5	13756.1	13696.9	13572.9
-27.5°	13648.6	13694.7	13738.4	13801.1	13738.4	13694.7	13648.6	13630.8	13598.1	13516.6	13415.8
-30°	13464.6	13519.5	13558.5	13625.8	13558.5	13519.5	13464.6	13431.0	13380.1	13286.9	13134.8
-32.5°	13240.7	13302.9	13348.9	13396.9	13348.9	13302.9	13240.7	13189.5	13135.0	13027.5	12817.8
-35°	12960.8	13027.7	13076.7	13120.4	13076.7	13027.7	12960.8	12893.4	12825.2	12732.8	12493.9
-37.5°	12624.4	12696.6	12752.3	12802.4	12752.3	12696.6	12624.4	12543.7	12471.8	12382.2	12150.2
-40°	12232.6	12306.7	12366.1	12421.9	12366.1	12306.7	12232.6	12140.3	12058.9	11954.4	11753.1
-42.5°	11774.6	11849.3	11910.7	11967.1	11910.7	11849.3	11774.6	11676.3	11576.4	11450.5	11276.4
-45°	11245.6	11322.5	11387.4	11446.9	11387.4	11322.5	11245.6	11142.8	11015.2	10851.3	10644.1
-47.5°	10636.3	10718.5	10774.1	10801.9	10774.1	10718.5	10636.3	10527.0	10378.8	10187.1	9959.8
-50°	9937.9	10020.2	10086.9	10136.1	10086.9	10020.2	9937.9	9829.1	9679.0	9471.2	9230.7
-52.5°	9169.2	9247.4	9304.8	9339.5	9304.8	9247.4	9169.2	9063.3	8918.1	8695.9	8442.3
-55°	8327.5	8409.5	8463.8	8489.3	8463.8	8409.5	8327.5	8218.0	8078.9	7852.6	7602.9
-57.5°	7372.8	7450.7	7508.5	7541.1	7508.5	7450.7	7372.8	7266.4	7132.3	6919.3	6679.1
-60°	6316.7	6386.3	6430.1	6447.3	6430.1	6386.3	6316.7	6219.3	6094.3	5907.1	5686.4
-62.5°	5236.3	5302.2	5343.3	5359.3	5343.3	5302.2	5236.3	5148.0	5038.4	4885.0	4700.6
-65°	4168.3	4209.6	4232.4	4235.8	4232.4	4209.6	4168.3	4106.0	4022.6	3905.1	3761.7
-67.5°	3215.7	3247.2	3266.3	3272.7	3266.3	3247.2	3215.7	3172.3	3117.2	3047.5	2960.0
-70°	2523.2	2544.9	2557.1	2559.3	2557.1	2544.9	2523.2	2490.6	2446.9	2388.6	2317.0
-72.5°	1881.2	1896.8	1891.3	1878.6	1891.3	1896.8	1881.2	1859.2	1830.6	1797.7	1764.0
-75°	1467.6	1484.7	1477.5	1465.4	1477.5	1484.7	1467.6	1447.1	1423.4	1396.4	1365.9
-77.5°	1172.4	1187.9	1180.3	1168.2	1180.3	1187.9	1172.4	1153.9	1132.8	1108.9	1081.2
-80°	837.2	846.4	852.9	856.1	852.9	846.4	837.2	825.8	812.5	798.2	787.2
-82.5°	428.5	415.9	408.0	398.3	408.0	415.9	428.5	438.9	446.7	451.9	454.4
-85°	121.2	118.3	120.2	121.9	120.2	118.3	121.2	123.6	125.5	127.2	137.6
-87.5°	34.6	35.6	35.7	35.7	35.7	35.6	34.6	33.7	32.7	31.6	31.9
-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: P645581 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA6D-750-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.4	2.1	2.7	2.7	2.6	2.5	2.5	2.4	2.3	2.2	2.1
85°	2.8	2.9	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
82.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
80°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
77.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
75°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
72.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
70°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.3
67.5°	3.0	3.0	3.1	3.0	3.0	3.0	3.2	3.1	3.0	3.0	3.7
65°	3.7	3.5	3.7	4.1	4.3	4.1	4.2	4.3	4.3	4.1	3.8
62.5°	6.0	6.2	6.4	6.6	6.6	8.4	7.4	7.5	7.0	8.5	11.5
60°	14.3	11.2	16.9	18.8	16.1	27.5	46.6	42.0	12.4	67.3	77.6
57.5°	196.7	163.3	342.1	341.1	142.8	192.9	258.4	170.1	111.2	190.6	251.9
55°	1371.6	1256.1	1092.1	1074.7	1131.4	859.7	718.8	691.7	541.4	352.0	418.1
52.5°	1933.8	1818.5	1706.6	1602.5	1517.0	1425.6	1291.3	1146.1	1099.6	885.5	682.8
50°	2188.1	2300.0	2189.8	1920.5	1968.3	1838.2	1649.0	1494.6	1526.3	1395.2	1124.9
47.5°	2967.2	3103.7	3107.1	2946.4	2767.6	2712.5	2434.8	1952.6	1985.0	1979.4	1693.1
45°	4344.2	4153.7	4224.8	3999.0	3683.2	3508.7	3499.2	2983.4	2505.6	2428.0	2400.3
42.5°	5098.8	4957.8	4811.8	4643.5	4364.2	4085.7	3913.9	3623.7	3239.5	2899.5	2778.9
40°	5404.0	5239.6	5103.4	4964.0	4739.1	4453.8	4315.4	3934.4	3645.6	3351.3	3253.3
37.5°	5772.8	5460.9	5582.6	5318.9	5110.2	5040.7	4933.3	4536.8	3896.9	3843.1	3793.4
35°	6596.2	6304.6	6585.2	6535.5	5704.4	5796.9	5868.3	5381.0	4711.0	4347.7	4355.5
32.5°	8474.8	7802.6	7597.4	7848.7	7411.8	6686.5	6697.2	6548.8	5634.2	5105.6	4874.2
30°	9155.0	8856.4	8532.9	8489.4	8164.0	7744.5	7478.1	7121.4	6455.8	5852.4	5456.0
27.5°	9448.5	9177.5	8905.3	8695.2	8507.0	8222.2	7874.5	7455.5	6982.0	6441.3	6056.1
25°	9658.0	9354.6	9119.7	8887.7	8685.0	8469.5	8114.2	7706.2	7264.4	6828.5	6414.9
22.5°	9826.2	9543.4	9290.7	9041.1	8876.6	8644.8	8325.7	7904.2	7607.7	7330.7	6792.9
20°	10010.3	9737.7	9453.0	9465.1	9223.0	8835.8	8529.2	8319.3	8278.7	7967.0	7272.7
17.5°	10809.4	10059.9	10199.2	10463.3	9929.9	9227.3	9117.9	9129.5	9000.7	8710.9	7847.6
15°	12521.1	11438.5	11448.1	11630.1	11051.9	10188.8	9989.4	9965.1	9762.3	9441.7	8454.8
12.5°	13060.2	12698.6	12632.1	12361.5	11793.7	11148.8	10912.7	10784.7	10412.7	9792.4	8891.6
10°	13242.3	13032.9	12754.5	12481.6	12137.0	11877.9	11541.7	11076.7	10548.5	9950.3	9217.0
7.5°	13264.0	13046.7	12822.3	12562.4	12260.0	11955.9	11623.6	11161.4	10650.8	10064.0	9446.3
5°	13251.3	13034.7	12826.8	12578.3	12271.6	11976.7	11675.7	11218.6	10719.8	10138.2	9597.0
2.5°	13219.0	12999.7	12801.8	12576.2	12270.6	11986.4	11707.8	11280.0	10769.2	10199.5	9647.4
0°	13266.1	13049.1	12861.8	12609.2	12332.7	12002.8	11723.4	11342.9	10793.0	10240.1	9666.4
-2.5°	13286.3	13062.0	12890.6	12605.7	12376.6	12039.9	11756.8	11389.2	10837.9	10311.9	9712.3
-5°	13393.6	13170.7	12946.4	12660.9	12420.0	12104.9	11786.6	11408.1	10871.6	10350.8	9733.1
-7.5°	13464.0	13237.9	12977.1	12700.2	12458.2	12157.7	11804.8	11409.8	10902.5	10350.1	9743.1
-10°	13508.2	13271.9	13014.3	12730.7	12480.6	12171.4	11798.7	11400.0	10896.3	10326.0	9721.2
-12.5°	13570.2	13304.3	13039.1	12717.1	12466.3	12148.6	11776.4	11377.2	10849.6	10280.7	9665.6
-15°	13593.4	13320.2	13010.2	12694.6	12420.7	12111.7	11727.4	11309.7	10768.1	10211.0	9574.7
-17.5°	13603.0	13292.2	12961.8	12659.0	12363.8	12036.1	11630.6	11186.4	10663.6	10088.0	9454.8
-20°	13595.5	13233.8	12893.5	12563.8	12254.6	11921.9	11503.4	11063.5	10514.2	9928.7	9299.6



REPORT NUMBER: P645581 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA6D-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°	13456.8	13129.3	12784.8	12427.3	12123.2	11770.3	11360.6	10905.4	10320.0	9753.7	9101.9
-25°	13304.1	12973.2	12617.4	12284.9	11961.1	11610.4	11189.4	10673.3	10117.3	9528.2	8862.0
-27.5°	13123.5	12775.8	12408.2	12070.0	11727.8	11382.6	10947.5	10427.6	9892.2	9248.2	8601.4
-30°	12879.8	12520.8	12146.2	11759.2	11446.3	11094.5	10664.2	10159.2	9584.4	8948.4	8332.9
-32.5°	12548.9	12211.2	11836.5	11468.7	11142.0	10772.8	10338.4	9837.1	9233.7	8632.2	7991.9
-35°	12212.6	11862.7	11505.5	11159.3	10815.1	10428.5	9985.1	9439.4	8862.8	8267.0	7602.5
-37.5°	11828.5	11464.1	11128.4	10799.4	10444.5	10048.1	9558.9	9031.7	8469.5	7814.4	7181.9
-40°	11415.9	11064.9	10698.4	10373.1	9994.5	9594.7	9121.9	8609.5	7991.1	7343.7	6749.2
-42.5°	10926.0	10575.2	10197.9	9835.7	9467.9	9087.7	8660.6	8106.2	7493.4	6882.6	6265.2
-45°	10334.4	9983.5	9612.4	9239.1	8894.9	8525.5	8128.1	7537.0	6931.8	6349.7	5757.3
-47.5°	9668.7	9328.6	8970.6	8600.5	8273.1	7902.2	7418.0	6868.1	6332.6	5778.7	5172.3
-50°	8945.9	8622.2	8291.2	7947.7	7579.9	7161.6	6696.9	6217.2	5686.7	5118.1	4564.1
-52.5°	8155.8	7859.6	7547.1	7217.0	6837.3	6422.2	5986.8	5477.4	4948.2	4465.6	3961.8
-55°	7331.2	7038.8	6729.9	6400.0	6046.0	5635.4	5184.4	4721.1	4289.0	3842.7	3458.3
-57.5°	6418.9	6141.6	5847.5	5536.2	5209.3	4827.3	4431.7	4038.5	3696.4	3349.6	3000.7
-60°	5443.8	5185.1	4934.8	4658.7	4357.0	4028.2	3739.7	3449.6	3159.4	2882.6	2601.6
-62.5°	4499.4	4282.9	4057.9	3834.1	3604.6	3367.1	3128.1	2904.3	2675.4	2440.7	2233.9
-65°	3606.9	3442.2	3264.7	3109.7	2947.0	2775.3	2583.2	2407.6	2241.2	2069.3	1893.4
-67.5°	2857.6	2740.1	2614.7	2492.4	2380.8	2262.0	2127.1	1985.1	1853.2	1725.9	1596.4
-70°	2241.7	2163.9	2082.4	1993.2	1904.1	1814.6	1715.3	1610.8	1505.0	1409.6	1318.3
-72.5°	1720.6	1666.8	1604.9	1540.7	1472.1	1411.2	1343.4	1272.8	1201.1	1128.7	1059.8
-75°	1331.3	1292.3	1249.9	1201.9	1143.8	1075.1	1024.1	989.7	946.4	893.8	836.3
-77.5°	1052.9	1024.6	994.1	953.2	910.8	867.0	823.7	781.1	738.9	699.1	662.6
-80°	774.8	761.3	744.5	710.6	676.6	642.8	610.5	584.4	559.8	532.7	499.5
-82.5°	454.8	453.1	448.4	429.4	410.3	391.6	373.3	354.9	335.5	315.1	294.6
-85°	146.9	154.9	161.5	164.7	166.6	167.1	166.1	161.3	155.7	149.2	142.2
-87.5°	32.1	32.3	32.4	33.7	34.8	35.8	36.6	38.3	39.9	41.1	42.1
-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: P645581 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA6D-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°	2.0	1.9	1.8	1.7	1.6	1.5	1.4	1.3	1.4	1.5	1.6
85°	3.0	3.0	3.0	3.0	3.0	3.0	2.8	2.6	2.9	3.1	3.1
82.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.1	3.8	4.5	4.7
80°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.1	3.8	4.5	5.2
77.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.2	3.9	4.6	5.3
75°	3.0	3.0	3.0	3.1	3.2	3.0	3.0	3.2	3.9	4.6	5.3
72.5°	3.0	3.0	3.0	3.4	3.8	3.8	3.5	3.3	4.0	4.7	5.4
70°	3.4	3.2	3.0	3.5	4.2	4.8	4.6	4.7	4.1	4.8	5.5
67.5°	4.4	4.5	4.1	4.1	4.3	5.0	5.7	6.7	6.6	4.9	5.5
65°	4.5	5.2	6.2	8.4	7.4	5.1	5.8	11.6	9.3	7.9	5.6
62.5°	9.8	5.4	18.7	25.1	14.2	11.1	8.8	25.9	16.2	11.0	7.9
60°	23.3	19.1	52.4	83.9	58.6	19.7	29.0	44.9	41.2	14.2	11.2
57.5°	218.0	75.0	108.6	157.0	154.3	83.8	61.1	81.5	70.1	40.4	15.8
55°	465.4	391.7	258.6	236.8	255.8	206.5	134.4	131.9	108.2	74.9	25.6
52.5°	638.5	666.3	579.9	405.1	352.8	336.2	262.6	191.3	169.8	112.5	65.1
50°	924.2	860.7	852.0	715.2	494.6	447.7	387.6	298.8	238.3	161.0	110.0
47.5°	1305.6	1146.8	1062.7	1001.2	789.2	570.8	508.4	408.7	313.8	231.9	157.1
45°	1865.7	1482.3	1319.6	1219.9	1081.6	802.7	636.2	515.3	409.0	311.3	206.3
42.5°	2428.2	1916.5	1612.8	1451.9	1308.0	1064.7	772.9	638.3	501.8	392.1	268.8
40°	2924.7	2364.3	1921.1	1714.1	1530.4	1317.7	994.3	770.0	592.7	475.3	339.9
37.5°	3522.5	2874.1	2275.9	1989.0	1767.3	1529.1	1218.9	907.5	702.0	562.6	411.1
35°	4100.7	3534.1	2672.9	2321.1	2031.0	1745.8	1435.3	1070.0	836.2	651.3	482.3
32.5°	4721.6	4154.7	3272.5	2691.9	2303.9	1967.3	1637.5	1267.6	971.2	741.1	553.2
30°	5210.5	4563.3	3798.7	3063.2	2600.9	2214.4	1839.5	1457.3	1106.5	831.6	624.8
27.5°	5469.7	4916.8	4213.9	3476.9	2935.1	2467.8	2047.5	1638.5	1241.6	931.1	699.4
25°	5737.7	5165.9	4510.8	3838.5	3265.2	2736.0	2254.7	1811.3	1389.2	1043.4	773.1
22.5°	6058.3	5377.6	4761.0	4125.1	3605.6	3007.9	2472.0	1986.2	1536.7	1153.5	845.7
20°	6380.2	5574.3	5008.0	4515.1	3939.6	3302.1	2699.1	2156.8	1675.9	1260.7	916.7
17.5°	6718.2	5931.3	5427.3	4895.7	4272.6	3587.2	2922.9	2322.1	1806.4	1364.5	985.7
15°	7306.2	6465.9	5849.6	5266.0	4603.9	3861.4	3141.3	2480.9	1928.2	1464.2	1049.9
12.5°	7840.2	6963.6	6272.3	5624.1	4929.6	4122.9	3352.0	2632.0	2041.1	1543.7	1107.0
10°	8282.0	7425.1	6690.1	5967.8	5245.9	4369.8	3552.8	2755.1	2108.8	1603.1	1159.7
7.5°	8643.8	7851.6	7097.5	6294.9	5517.6	4531.2	3654.1	2826.9	2161.2	1653.6	1207.7
5°	8905.3	8136.2	7313.8	6408.9	5602.5	4597.4	3722.9	2885.3	2203.5	1695.7	1250.9
2.5°	8980.6	8223.7	7395.1	6471.3	5659.9	4640.4	3772.1	2929.9	2236.0	1729.9	1289.3
0°	9024.4	8281.3	7446.0	6509.7	5689.3	4660.8	3801.8	2960.6	2259.1	1756.7	1322.7
-2.5°	9085.7	8330.9	7495.2	6608.3	5708.8	4723.2	3818.6	2980.6	2288.2	1766.3	1342.2
-5°	9116.3	8350.2	7518.7	6674.6	5703.7	4760.4	3816.5	2986.9	2307.2	1769.7	1356.5
-7.5°	9102.8	8343.7	7519.7	6695.4	5677.9	4769.0	3795.7	2980.3	2314.9	1767.2	1365.4
-10°	9061.7	8309.9	7490.9	6641.7	5654.1	4735.3	3758.8	2961.3	2310.4	1759.7	1368.8
-12.5°	8999.3	8246.7	7432.2	6564.4	5604.6	4665.8	3715.2	2928.8	2291.7	1747.5	1366.5
-15°	8918.4	8154.7	7343.0	6466.1	5523.2	4573.3	3649.8	2881.7	2255.4	1733.7	1358.5
-17.5°	8814.5	8034.7	7222.9	6349.5	5408.6	4458.8	3562.0	2820.3	2210.0	1716.8	1342.1
-20°	8629.0	7873.6	7070.3	6217.0	5259.8	4323.1	3451.3	2744.7	2155.8	1692.8	1318.7



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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°	8420.5	7674.1	6879.9	6038.1	5080.5	4167.0	3317.4	2654.8	2093.4	1661.6	1290.6
-25°	8198.2	7449.6	6658.7	5790.7	4882.4	4002.1	3183.4	2550.7	2023.2	1623.0	1258.0
-27.5°	7937.1	7195.3	6408.1	5518.1	4652.4	3810.8	3054.9	2458.5	1955.1	1576.9	1221.0
-30°	7643.6	6896.2	6094.8	5227.2	4400.3	3589.5	2910.8	2360.1	1897.6	1526.6	1179.7
-32.5°	7307.2	6566.7	5747.6	4929.5	4134.1	3354.7	2751.8	2254.8	1831.2	1473.2	1141.5
-35°	6924.3	6183.4	5379.8	4609.9	3851.9	3165.1	2596.3	2143.1	1755.8	1415.5	1101.2
-37.5°	6525.4	5771.9	5011.9	4276.1	3552.0	2959.7	2456.3	2032.7	1671.6	1353.7	1056.8
-40°	6070.1	5348.6	4625.7	3932.3	3292.3	2739.2	2305.0	1923.8	1592.1	1287.9	1008.1
-42.5°	5601.0	4904.5	4223.0	3568.4	3036.1	2559.7	2146.5	1806.5	1508.1	1224.3	955.4
-45°	5095.1	4435.6	3794.7	3261.8	2775.4	2369.6	2007.7	1685.0	1418.5	1159.3	900.9
-47.5°	4561.6	3941.4	3405.5	2942.3	2553.8	2178.6	1860.0	1579.8	1324.5	1089.6	846.3
-50°	3996.4	3481.3	3046.9	2664.6	2314.9	2006.6	1713.0	1469.7	1238.3	1012.6	789.1
-52.5°	3495.5	3082.8	2723.4	2396.2	2104.3	1825.7	1586.3	1356.8	1149.5	939.0	729.2
-55°	3066.4	2728.1	2424.7	2152.4	1895.5	1670.6	1454.8	1256.6	1058.2	865.1	668.7
-57.5°	2695.8	2400.1	2157.3	1920.8	1708.6	1516.9	1334.9	1154.1	970.7	788.6	620.6
-60°	2339.7	2119.0	1903.0	1712.9	1533.2	1370.5	1221.8	1051.7	882.4	712.1	567.4
-62.5°	2032.2	1843.8	1680.5	1514.7	1365.5	1232.9	1107.8	951.4	791.6	641.3	509.6
-65°	1744.0	1599.3	1460.2	1327.9	1204.2	1091.7	990.6	848.7	700.5	566.3	449.6
-67.5°	1470.3	1361.2	1252.0	1141.1	1043.6	952.7	866.1	737.9	605.4	487.4	390.1
-70°	1225.8	1132.6	1047.1	964.6	885.6	809.8	728.1	619.9	505.9	416.6	329.1
-72.5°	994.9	926.8	855.8	788.1	729.7	663.0	587.9	503.5	423.6	344.6	266.8
-75°	781.3	736.4	686.3	632.5	578.0	518.5	468.9	409.9	340.2	271.3	215.0
-77.5°	625.1	581.3	531.2	488.3	451.8	411.1	366.0	314.7	259.5	211.0	166.2
-80°	461.1	427.6	399.3	374.6	340.8	303.7	266.3	228.9	188.6	151.1	116.5
-82.5°	281.3	273.9	266.1	254.7	226.6	198.9	171.9	145.2	116.7	90.3	74.8
-85°	140.7	137.8	133.6	127.6	110.3	93.5	85.6	77.7	68.1	58.8	50.0
-87.5°	46.2	49.7	52.5	54.5	50.7	46.8	42.9	38.9	34.1	29.5	25.0
-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°	1.5	1.3	1.0	0.8	0.5	0.3	0.0
85°	3.1	2.6	2.0	1.5	1.0	0.6	0.0
82.5°	4.6	3.8	3.1	2.3	1.5	1.0	0.0
80°	5.9	5.1	4.1	3.1	2.1	1.3	0.0
77.5°	5.9	6.0	5.1	3.8	2.6	1.6	0.0
75°	6.0	6.1	5.9	4.6	3.1	1.9	0.0
72.5°	6.1	6.4	6.2	5.3	3.6	2.2	0.0
70°	6.2	6.6	6.5	6.0	4.2	2.6	0.0
67.5°	6.9	6.8	6.8	6.3	4.7	2.9	0.0
65°	8.0	7.9	7.1	6.6	5.2	3.2	0.0
62.5°	9.3	9.8	7.4	6.9	5.8	3.5	0.0
60°	11.0	11.9	7.8	7.2	6.3	3.8	0.0
57.5°	20.3	14.3	10.1	7.5	6.6	4.1	0.0
55°	32.4	16.9	12.6	7.8	7.0	4.4	0.0
52.5°	46.5	21.6	15.2	8.1	7.3	4.7	0.0
50°	62.7	36.9	17.9	8.5	7.7	5.0	0.0
47.5°	84.3	53.3	20.7	9.3	8.0	5.3	0.0
45°	127.2	70.9	23.7	11.5	8.4	5.5	0.0
42.5°	171.1	89.6	26.8	13.8	8.8	5.8	0.0
40°	216.0	109.4	36.0	16.7	9.1	6.1	0.0
37.5°	261.8	130.2	51.5	20.3	9.5	6.3	0.0
35°	308.3	161.8	67.3	24.2	9.9	6.6	0.0
32.5°	358.7	198.5	83.2	28.6	10.3	6.8	0.0
30°	416.3	234.9	99.3	33.3	10.7	7.1	0.0
27.5°	472.8	270.8	119.1	38.3	11.1	7.3	0.0
25°	527.9	306.2	139.5	43.6	11.5	7.5	0.0
22.5°	581.5	342.2	159.7	49.1	11.9	7.7	0.0
20°	633.2	380.9	179.8	54.8	12.2	7.9	0.0
17.5°	684.4	418.4	199.6	60.6	12.6	8.1	0.0
15°	733.5	454.4	218.9	66.4	13.0	8.2	0.0
12.5°	779.5	488.7	237.5	72.2	13.3	8.4	0.0
10°	822.2	521.1	255.3	77.9	13.7	8.5	0.0
7.5°	861.3	551.4	272.2	83.4	14.0	8.6	0.0
5°	897.0	579.3	287.9	88.6	14.3	8.7	0.0
2.5°	928.9	604.6	302.2	93.6	14.6	8.8	0.0
0°	957.1	627.2	315.1	98.1	14.9	8.9	0.0
-2.5°	971.1	641.5	327.1	104.5	17.2	9.4	0.0
-5°	981.4	652.8	337.3	110.4	19.5	9.9	0.0
-7.5°	987.9	661.0	345.6	115.6	21.7	10.4	0.0
-10°	990.9	666.1	351.9	120.2	23.9	10.8	0.0
-12.5°	990.3	668.2	356.1	124.0	25.9	11.2	0.0
-15°	986.4	667.3	358.1	127.1	27.8	11.6	0.0
-17.5°	979.3	663.3	357.9	129.3	29.6	11.9	0.0
-20°	968.1	656.2	355.3	130.6	31.3	12.2	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	951.9	646.2	350.3	131.0	32.8	12.4	0.0
-25°	931.9	630.7	342.8	130.4	34.1	12.6	0.0
-27.5°	908.3	611.3	332.8	128.8	35.2	12.8	0.0
-30°	880.9	589.3	320.3	126.2	36.1	12.9	0.0
-32.5°	849.8	564.6	305.8	122.5	36.8	12.9	0.0
-35°	816.2	537.4	289.6	117.7	37.3	12.9	0.0
-37.5°	780.1	510.0	271.8	111.8	37.5	12.8	0.0
-40°	741.2	485.3	252.3	104.8	37.6	12.7	0.0
-42.5°	699.5	458.7	237.6	97.3	37.4	12.5	0.0
-45°	655.3	430.5	227.6	89.7	36.9	12.2	0.0
-47.5°	608.6	400.7	215.7	81.0	36.2	11.9	0.0
-50°	569.5	369.2	202.0	78.1	35.3	11.6	0.0
-52.5°	530.4	336.3	186.7	76.6	34.2	11.2	0.0
-55°	489.8	311.4	169.6	74.2	32.8	10.7	0.0
-57.5°	447.6	286.0	150.9	70.9	31.3	10.2	0.0
-60°	404.9	258.4	131.3	66.9	29.5	9.6	0.0
-62.5°	365.8	228.6	121.9	62.2	27.7	9.0	0.0
-65°	323.9	196.7	111.3	56.7	25.7	8.3	0.0
-67.5°	279.4	170.0	99.5	50.6	23.6	7.6	0.0
-70°	232.5	148.8	86.5	43.9	21.4	6.9	0.0
-72.5°	196.7	126.0	72.6	38.7	19.0	6.1	0.0
-75°	160.8	101.8	57.8	33.6	16.5	5.3	0.0
-77.5°	123.1	76.3	47.7	28.3	13.9	4.4	0.0
-80°	84.1	58.2	38.6	22.9	11.2	3.6	0.0
-82.5°	61.7	44.0	29.1	17.3	8.5	2.7	0.0
-85°	41.4	29.5	19.5	11.6	5.7	1.8	0.0
-87.5°	20.8	14.8	9.8	5.8	2.8	0.9	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)