

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: P645546 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA5E-750-U-LAM-XX

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-2019
Report Number: P645546 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 5/4/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA5E-750-U-LAM-XX
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, LAMBERTIAN
Light Source: (80) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

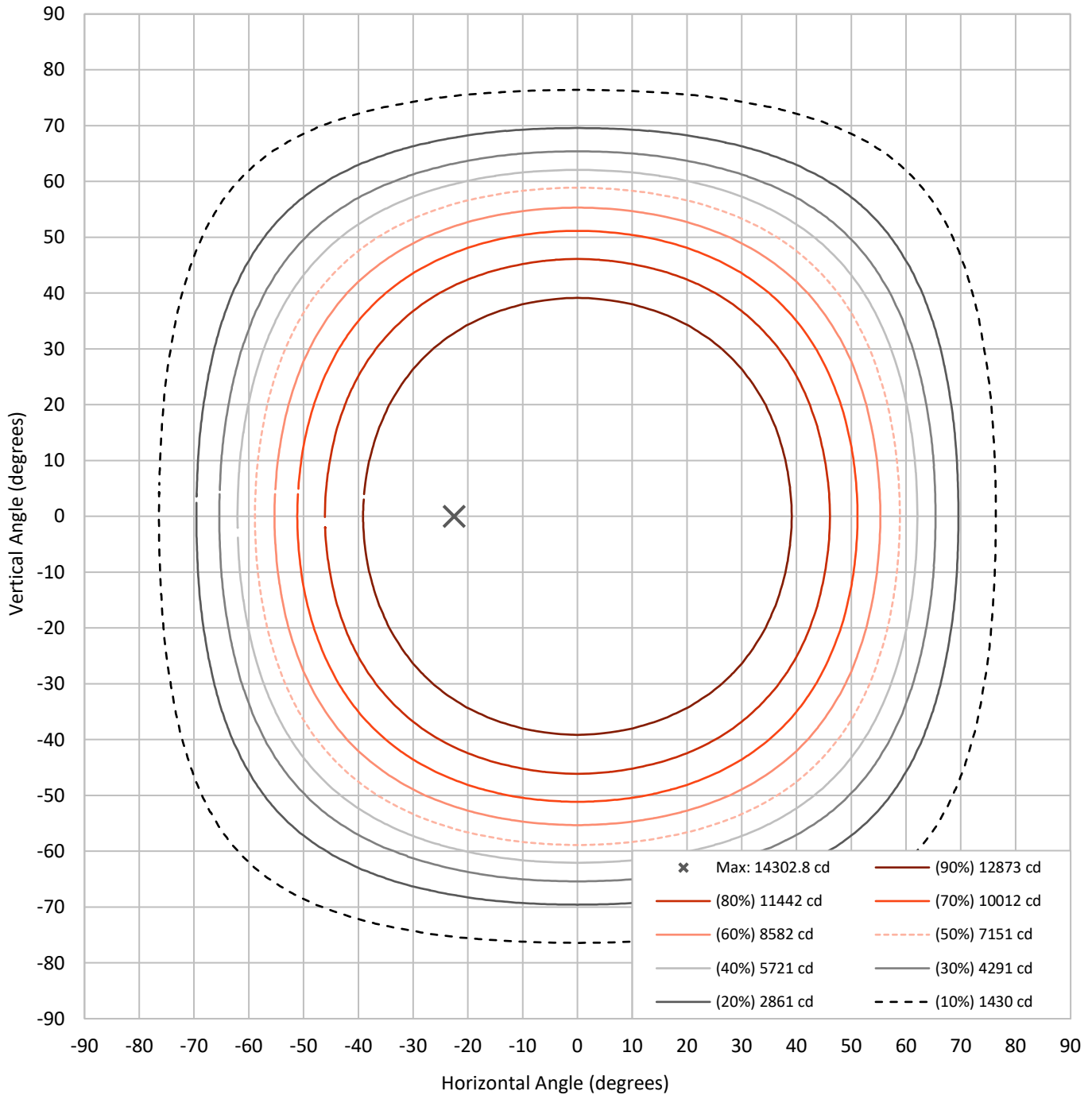
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	43753.2 lumens	Max Intensity:	14302.8 candela
Efficiency:	N/A	Max Intensity Angle:	-22.5°H x 0°V
Efficacy:	139.5 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	117.8°H x 112°V	Field Angle (10%):	152.8°H x 150.5°V
Beam Lumens:	36412.2 lumens	Field Lumens:	42892.7 lumens
Beam Efficiency:	83.2%	Field Efficiency:	98.0%
Input Watts (W):	313.7		
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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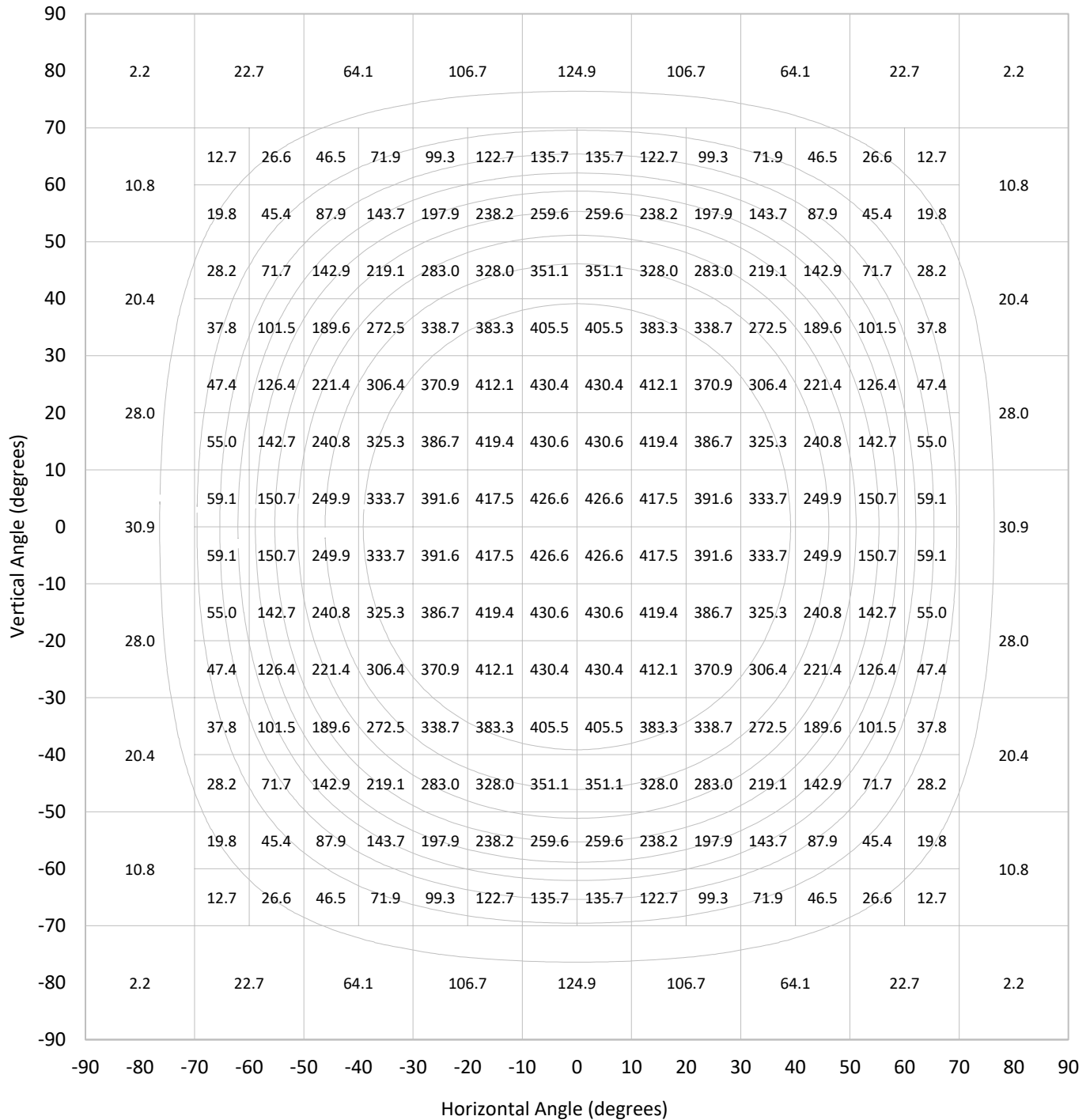
Iso-Candela Plot





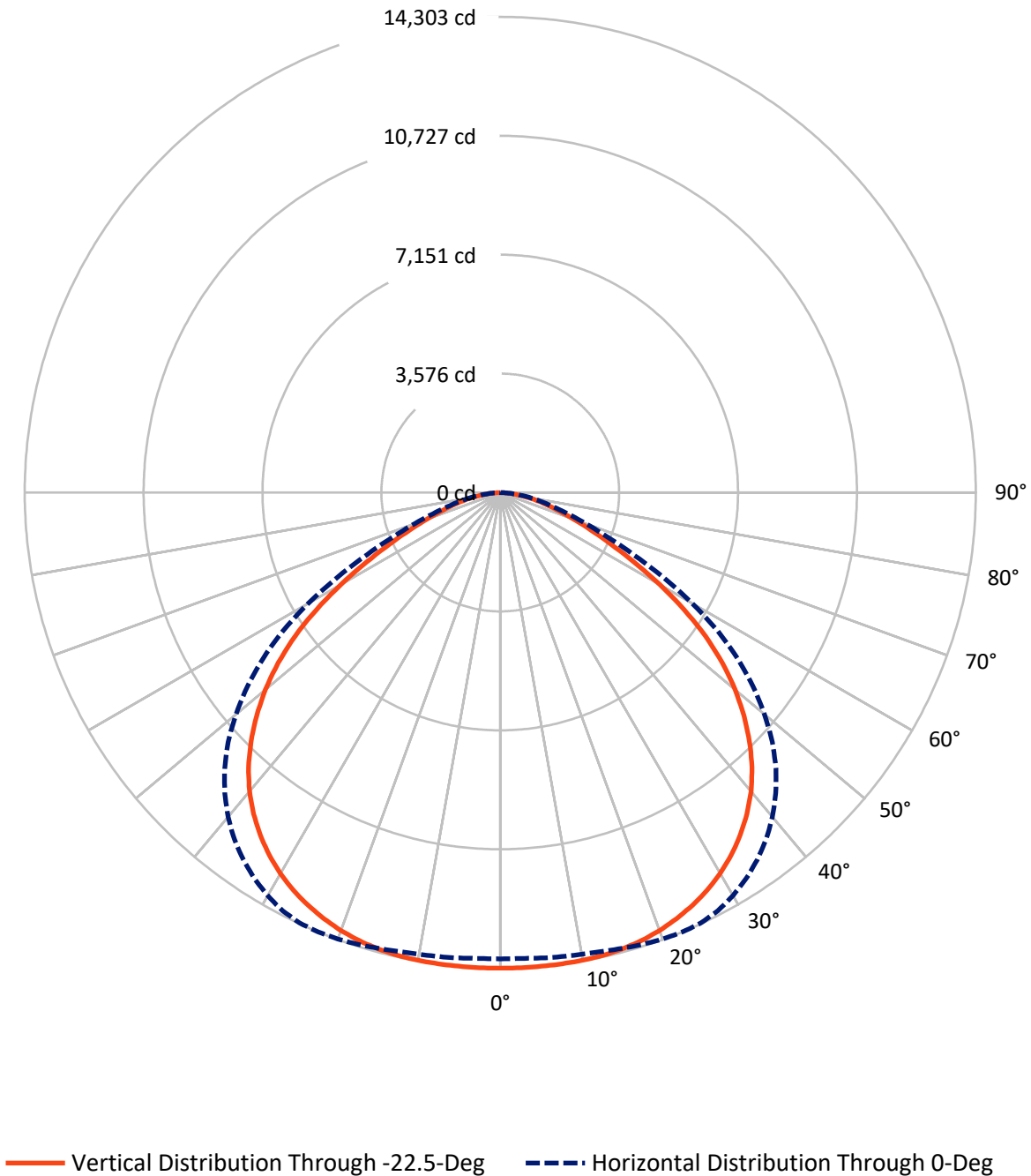
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Lumen Table



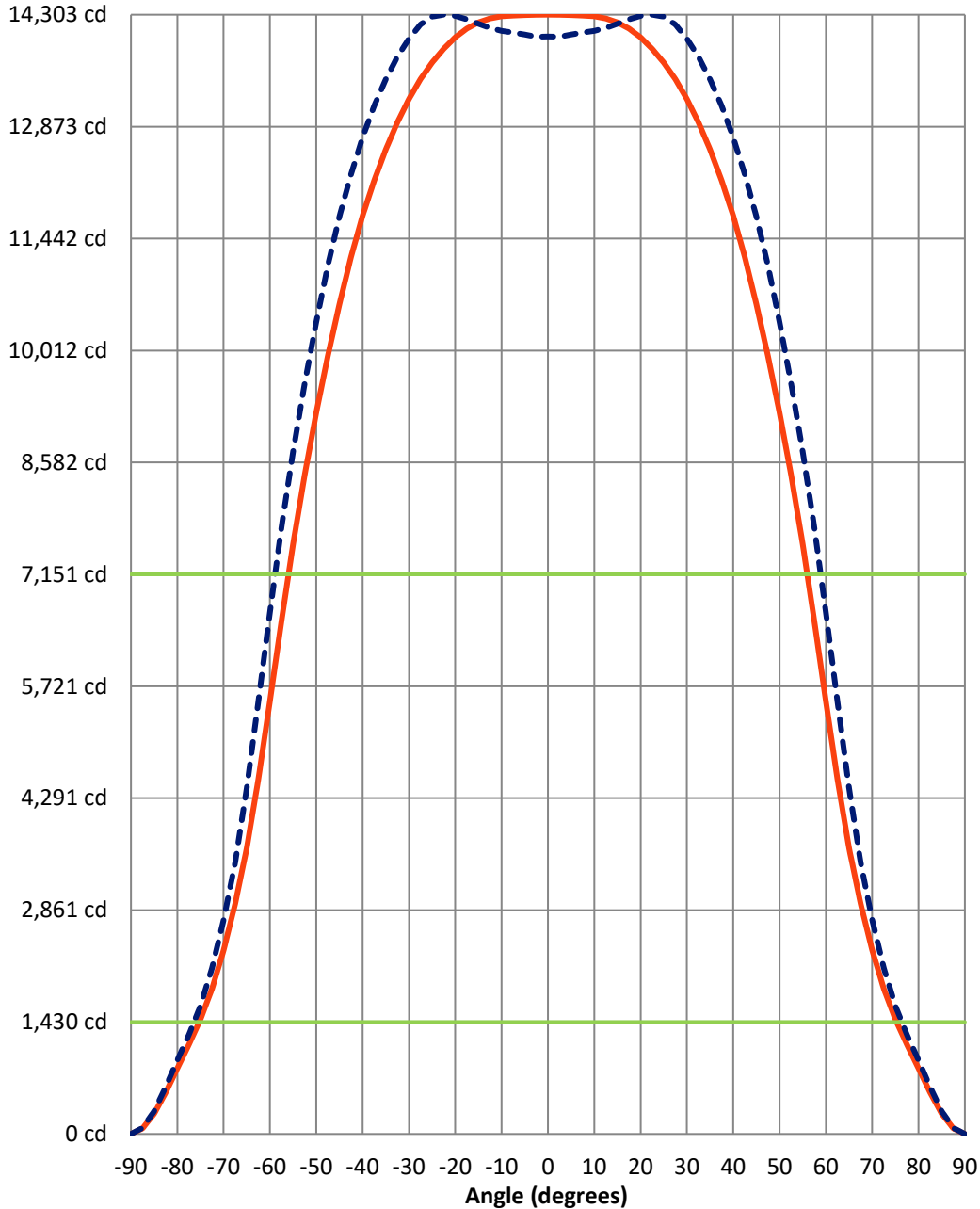
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 117.8°
 V Angle: 112°
 Lumens: 36412.2
 Efficiency: 83.2%

Field:
 H Angle: 152.8°
 V Angle: 150.5°
 Lumens: 42892.7
 Efficiency: 98.0%

Spill:
 Lumens: 860.5
 Efficiency: 2.0%

— Vertical Distribution through -22.5-Deg
 - - Horizontal Distribution through 0-Deg



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FIELD
BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	3.4	6.8	10.2	13.6	16.9	20.2	23.5	26.7	29.9	33.0
85°	0.0	6.8	13.6	20.4	27.1	33.8	40.4	47.0	53.4	59.8	66.0
82.5°	0.0	10.2	20.4	30.5	40.6	50.6	60.6	70.4	83.2	109.1	134.6
80°	0.0	13.6	27.1	40.6	54.0	67.4	84.7	120.2	155.3	189.8	223.7
77.5°	0.0	16.9	33.8	50.6	67.4	94.0	138.8	183.1	226.8	269.9	321.9
75°	0.0	20.2	40.4	60.6	84.7	138.8	192.4	245.4	300.8	375.9	449.7
72.5°	0.0	23.5	47.0	70.4	120.2	183.1	245.4	314.4	403.0	490.4	576.3
70°	0.0	26.7	53.4	83.2	155.3	226.8	300.8	403.0	504.0	603.7	711.5
67.5°	0.0	29.9	59.8	109.1	189.8	269.9	375.9	490.4	603.7	726.6	847.5
65°	0.0	33.0	66.0	134.6	223.7	321.9	449.7	576.3	711.5	847.5	979.6
62.5°	0.0	36.1	72.1	159.6	257.0	382.3	522.1	666.6	817.4	965.2	1105.2
60°	0.0	39.1	78.1	184.0	289.5	441.4	592.9	757.4	921.1	1076.2	1228.3
57.5°	0.0	42.0	93.9	207.8	334.9	499.1	668.3	846.2	1018.7	1184.9	1359.8
55°	0.0	44.8	109.3	230.9	379.8	555.2	742.4	932.7	1113.0	1294.0	1493.3
52.5°	0.0	47.6	124.3	253.4	423.5	610.6	814.5	1013.3	1204.7	1411.0	1623.3
50°	0.0	50.3	138.8	275.2	465.7	668.7	884.2	1091.1	1297.0	1524.5	1784.8
47.5°	0.0	52.8	152.8	298.4	506.4	724.8	951.1	1166.1	1394.5	1634.3	1945.3
45°	0.0	55.3	166.2	327.7	545.5	778.7	1013.0	1238.4	1488.4	1772.6	2100.1
42.5°	0.0	57.6	179.1	355.8	583.0	830.4	1072.3	1313.2	1578.5	1906.2	2282.6
40°	0.0	59.9	191.3	382.6	620.6	879.8	1128.9	1388.3	1673.5	2034.0	2462.9
37.5°	0.0	62.0	203.0	408.1	658.0	926.6	1182.8	1459.8	1781.2	2164.6	2634.8
35°	0.0	64.1	213.9	432.1	693.4	969.6	1233.7	1527.5	1883.3	2310.6	2810.2
32.5°	0.0	65.9	224.3	454.7	726.6	1009.4	1283.5	1591.2	1979.4	2448.1	2994.7
30°	0.0	67.7	233.9	475.8	757.7	1046.6	1334.3	1655.2	2069.4	2577.0	3167.6
27.5°	0.0	69.4	242.9	495.4	786.5	1081.1	1381.6	1727.9	2161.3	2696.9	3328.5
25°	0.0	70.9	251.1	513.4	813.0	1112.9	1425.0	1794.9	2258.8	2821.7	3478.9
22.5°	0.0	72.2	258.6	529.8	837.2	1141.8	1464.6	1856.0	2347.7	2942.8	3654.5
20°	0.0	73.5	265.4	544.6	858.9	1167.9	1500.3	1911.1	2428.0	3051.9	3813.0
17.5°	0.0	74.6	271.3	557.7	878.2	1191.0	1532.0	1960.0	2499.3	3149.0	3954.0
15°	0.0	75.5	276.6	569.1	895.1	1211.2	1559.6	2002.7	2561.4	3233.7	4077.1
12.5°	0.0	76.3	281.0	578.7	909.3	1228.3	1583.1	2038.9	2614.3	3305.7	4181.9
10°	0.0	77.0	284.6	586.7	921.1	1242.4	1602.4	2068.7	2657.7	3365.0	4268.1
7.5°	0.0	77.5	287.4	592.9	930.2	1253.4	1617.4	2091.9	2691.6	3411.2	4335.4
5°	0.0	77.9	289.5	597.3	936.8	1261.2	1628.2	2108.6	2715.9	3444.3	4383.6
2.5°	0.0	78.1	290.7	600.0	940.7	1265.9	1634.6	2118.6	2730.5	3464.3	4412.6
0°	0.0	78.2	291.1	600.9	942.0	1267.5	1636.8	2121.9	2735.4	3470.9	4422.3
-2.5°	0.0	78.1	290.7	600.0	940.7	1265.9	1634.6	2118.6	2730.5	3464.3	4412.6
-5°	0.0	77.9	289.5	597.3	936.8	1261.2	1628.2	2108.6	2715.9	3444.3	4383.6
-7.5°	0.0	77.5	287.4	592.9	930.2	1253.4	1617.4	2091.9	2691.6	3411.2	4335.4
-10°	0.0	77.0	284.6	586.7	921.1	1242.4	1602.4	2068.7	2657.7	3365.0	4268.1
-12.5°	0.0	76.3	281.0	578.7	909.3	1228.3	1583.1	2038.9	2614.3	3305.7	4181.9
-15°	0.0	75.5	276.6	569.1	895.1	1211.2	1559.6	2002.7	2561.4	3233.7	4077.1
-17.5°	0.0	74.6	271.3	557.7	878.2	1191.0	1532.0	1960.0	2499.3	3149.0	3954.0
-20°	0.0	73.5	265.4	544.6	858.9	1167.9	1500.3	1911.1	2428.0	3051.9	3813.0

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Scaled Data Report



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CATALOG NUMBER: GFLD-SA5E-750-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	72.2	258.6	529.8	837.2	1141.8	1464.6	1856.0	2347.7	2942.8	3654.5
-25°	0.0	70.9	251.1	513.4	813.0	1112.9	1425.0	1794.9	2258.8	2821.7	3478.9
-27.5°	0.0	69.4	242.9	495.4	786.5	1081.1	1381.6	1727.9	2161.3	2696.9	3328.5
-30°	0.0	67.7	233.9	475.8	757.7	1046.6	1334.3	1655.2	2069.4	2577.0	3167.6
-32.5°	0.0	65.9	224.3	454.7	726.6	1009.4	1283.5	1591.2	1979.4	2448.1	2994.7
-35°	0.0	64.1	213.9	432.1	693.4	969.6	1233.7	1527.5	1883.3	2310.6	2810.2
-37.5°	0.0	62.0	203.0	408.1	658.0	926.6	1182.8	1459.8	1781.2	2164.6	2634.8
-40°	0.0	59.9	191.3	382.6	620.6	879.8	1128.9	1388.3	1673.5	2034.0	2462.9
-42.5°	0.0	57.6	179.1	355.8	583.0	830.4	1072.3	1313.2	1578.5	1906.2	2282.6
-45°	0.0	55.3	166.2	327.7	545.5	778.7	1013.0	1238.4	1488.4	1772.6	2100.1
-47.5°	0.0	52.8	152.8	298.4	506.4	724.8	951.1	1166.1	1394.5	1634.3	1945.3
-50°	0.0	50.3	138.8	275.2	465.7	668.7	884.2	1091.1	1297.0	1524.5	1784.8
-52.5°	0.0	47.6	124.3	253.4	423.5	610.6	814.5	1013.3	1204.7	1411.0	1623.3
-55°	0.0	44.8	109.3	230.9	379.8	555.2	742.4	932.7	1113.0	1294.0	1493.3
-57.5°	0.0	42.0	93.9	207.8	334.9	499.1	668.3	846.2	1018.7	1184.9	1359.8
-60°	0.0	39.1	78.1	184.0	289.5	441.4	592.9	757.4	921.1	1076.2	1228.3
-62.5°	0.0	36.1	72.1	159.6	257.0	382.3	522.1	666.6	817.4	965.2	1105.2
-65°	0.0	33.0	66.0	134.6	223.7	321.9	449.7	576.3	711.5	847.5	979.6
-67.5°	0.0	29.9	59.8	109.1	189.8	269.9	375.9	490.4	603.7	726.6	847.5
-70°	0.0	26.7	53.4	83.2	155.3	226.8	300.8	403.0	504.0	603.7	711.5
-72.5°	0.0	23.5	47.0	70.4	120.2	183.1	245.4	314.4	403.0	490.4	576.3
-75°	0.0	20.2	40.4	60.6	84.7	138.8	192.4	245.4	300.8	375.9	449.7
-77.5°	0.0	16.9	33.8	50.6	67.4	94.0	138.8	183.1	226.8	269.9	321.9
-80°	0.0	13.6	27.1	40.6	54.0	67.4	84.7	120.2	155.3	189.8	223.7
-82.5°	0.0	10.2	20.4	30.5	40.6	50.6	60.6	70.4	83.2	109.1	134.6
-85°	0.0	6.8	13.6	20.4	27.1	33.8	40.4	47.0	53.4	59.8	66.0
-87.5°	0.0	3.4	6.8	10.2	13.6	16.9	20.2	23.5	26.7	29.9	33.0
-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):

	-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°	36.1	39.1	42.0	44.8	47.6	50.3	52.8	55.3	57.6	59.9	62.0
85°	72.1	78.1	93.9	109.3	124.3	138.8	152.8	166.2	179.1	191.3	203.0
82.5°	159.6	184.0	207.8	230.9	253.4	275.2	298.4	327.7	355.8	382.6	408.1
80°	257.0	289.5	334.9	379.8	423.5	465.7	506.4	545.5	583.0	620.6	658.0
77.5°	382.3	441.4	499.1	555.2	610.6	668.7	724.8	778.7	830.4	879.8	926.6
75°	522.1	592.9	668.3	742.4	814.5	884.2	951.1	1013.0	1072.3	1128.9	1182.8
72.5°	666.6	757.4	846.2	932.7	1013.3	1091.1	1166.1	1238.4	1313.2	1388.3	1459.8
70°	817.4	921.1	1018.7	1113.0	1204.7	1297.0	1394.5	1488.4	1578.5	1673.5	1781.2
67.5°	965.2	1076.2	1184.9	1294.0	1411.0	1524.5	1634.3	1772.6	1906.2	2034.0	2164.6
65°	1105.2	1228.3	1359.8	1493.3	1623.3	1784.8	1945.3	2100.1	2282.6	2462.9	2634.8
62.5°	1242.8	1392.8	1543.0	1706.3	1894.0	2076.5	2288.0	2503.9	2711.7	2945.8	3173.6
60°	1392.8	1559.6	1750.1	1960.0	2176.1	2428.0	2672.2	2942.8	3215.4	3478.9	3802.2
57.5°	1543.0	1750.1	1982.1	2232.3	2512.6	2795.5	3113.2	3420.7	3789.4	4157.8	4524.4
55°	1706.3	1960.0	2232.3	2540.9	2863.9	3216.3	3584.8	4014.1	4429.7	4892.8	5336.2
52.5°	1894.0	2176.1	2512.6	2863.9	3250.8	3674.8	4150.1	4641.8	5159.6	5662.4	6155.5
50°	2076.5	2428.0	2795.5	3216.3	3674.8	4195.7	4748.6	5321.2	5886.4	6437.9	6954.3
47.5°	2288.0	2672.2	3113.2	3584.8	4150.1	4748.6	5375.3	5999.3	6609.0	7174.6	7716.4
45°	2503.9	2942.8	3420.7	4014.1	4641.8	5321.2	5999.3	6666.3	7285.7	7870.2	8381.6
42.5°	2711.7	3215.4	3789.4	4429.7	5159.6	5886.4	6609.0	7285.7	7920.3	8483.2	8996.9
40°	2945.8	3478.9	4157.8	4892.8	5662.4	6437.9	7174.6	7870.2	8483.2	9043.8	9563.9
37.5°	3173.6	3802.2	4524.4	5336.2	6155.5	6954.3	7716.4	8381.6	8996.9	9563.9	10062.9
35°	3390.0	4109.6	4913.8	5766.0	6626.2	7438.3	8180.1	8857.3	9468.6	10018.8	10528.9
32.5°	3630.5	4400.1	5282.4	6179.0	7055.0	7881.9	8617.4	9279.8	9887.6	10446.2	10952.9
30°	3878.5	4713.5	5632.2	6567.9	7457.7	8266.6	9000.8	9671.6	10274.5	10826.4	11322.9
27.5°	4109.6	5009.1	5965.9	6919.8	7825.6	8627.4	9351.7	10012.0	10618.5	11174.1	11655.2
25°	4323.0	5282.4	6274.8	7241.9	8135.4	8939.0	9669.8	10329.7	10932.7	11465.8	11933.6
22.5°	4533.7	5532.7	6557.9	7537.5	8420.0	9217.5	9941.7	10603.3	11206.7	11734.8	12183.7
20°	4738.5	5766.0	6807.7	7799.6	8678.2	9470.7	10189.2	10849.6	11436.8	11948.2	12395.1
17.5°	4920.8	5973.9	7026.1	8011.2	8890.6	9686.7	10408.2	11070.8	11643.9	12140.7	12577.6
15°	5080.0	6155.5	7217.2	8196.6	9073.2	9866.2	10587.8	11243.1	11812.3	12305.0	12738.8
12.5°	5215.7	6310.4	7380.3	8354.8	9229.3	10019.8	10741.6	11387.8	11947.4	12433.8	12858.2
10°	5327.3	6437.9	7514.6	8485.2	9358.1	10146.7	10868.8	11507.6	12059.5	12540.8	12957.7
7.5°	5414.5	6537.5	7619.6	8587.3	9458.9	10246.2	10968.6	11601.7	12147.6	12625.0	13036.2
5°	5477.0	6609.0	7694.9	8660.6	9531.3	10317.6	11040.3	11669.4	12211.1	12685.8	13092.9
2.5°	5514.6	6652.0	7740.3	8704.7	9574.9	10360.6	11083.6	11710.3	12249.4	12722.5	13127.1
0°	5527.1	6666.3	7755.4	8719.4	9589.5	10375.0	11098.0	11723.9	12262.2	12734.8	13138.6
-2.5°	5514.6	6652.0	7740.3	8704.7	9574.9	10360.6	11083.6	11710.3	12249.4	12722.5	13127.1
-5°	5477.0	6609.0	7694.9	8660.6	9531.3	10317.6	11040.3	11669.4	12211.1	12685.8	13092.9
-7.5°	5414.5	6537.5	7619.6	8587.3	9458.9	10246.2	10968.6	11601.7	12147.6	12625.0	13036.2
-10°	5327.3	6437.9	7514.6	8485.2	9358.1	10146.7	10868.8	11507.6	12059.5	12540.8	12957.7
-12.5°	5215.7	6310.4	7380.3	8354.8	9229.3	10019.8	10741.6	11387.8	11947.4	12433.8	12858.2
-15°	5080.0	6155.5	7217.2	8196.6	9073.2	9866.2	10587.8	11243.1	11812.3	12305.0	12738.8
-17.5°	4920.8	5973.9	7026.1	8011.2	8890.6	9686.7	10408.2	11070.8	11643.9	12140.7	12577.6
-20°	4738.5	5766.0	6807.7	7799.6	8678.2	9470.7	10189.2	10849.6	11436.8	11948.2	12395.1



REPORT NUMBER: P645546 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-750-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	4533.7	5532.7	6557.9	7537.5	8420.0	9217.5	9941.7	10603.3	11206.7	11734.8	12183.7
-25°	4323.0	5282.4	6274.8	7241.9	8135.4	8939.0	9669.8	10329.7	10932.7	11465.8	11933.6
-27.5°	4109.6	5009.1	5965.9	6919.8	7825.6	8627.4	9351.7	10012.0	10618.5	11174.1	11655.2
-30°	3878.5	4713.5	5632.2	6567.9	7457.7	8266.6	9000.8	9671.6	10274.5	10826.4	11322.9
-32.5°	3630.5	4400.1	5282.4	6179.0	7055.0	7881.9	8617.4	9279.8	9887.6	10446.2	10952.9
-35°	3390.0	4109.6	4913.8	5766.0	6626.2	7438.3	8180.1	8857.3	9468.6	10018.8	10528.9
-37.5°	3173.6	3802.2	4524.4	5336.2	6155.5	6954.3	7716.4	8381.6	8996.9	9563.9	10062.9
-40°	2945.8	3478.9	4157.8	4892.8	5662.4	6437.9	7174.6	7870.2	8483.2	9043.8	9563.9
-42.5°	2711.7	3215.4	3789.4	4429.7	5159.6	5886.4	6609.0	7285.7	7920.3	8483.2	8996.9
-45°	2503.9	2942.8	3420.7	4014.1	4641.8	5321.2	5999.3	6666.3	7285.7	7870.2	8381.6
-47.5°	2288.0	2672.2	3113.2	3584.8	4150.1	4748.6	5375.3	5999.3	6609.0	7174.6	7716.4
-50°	2076.5	2428.0	2795.5	3216.3	3674.8	4195.7	4748.6	5321.2	5886.4	6437.9	6954.3
-52.5°	1894.0	2176.1	2512.6	2863.9	3250.8	3674.8	4150.1	4641.8	5159.6	5662.4	6155.5
-55°	1706.3	1960.0	2232.3	2540.9	2863.9	3216.3	3584.8	4014.1	4429.7	4892.8	5336.2
-57.5°	1543.0	1750.1	1982.1	2232.3	2512.6	2795.5	3113.2	3420.7	3789.4	4157.8	4524.4
-60°	1392.8	1559.6	1750.1	1960.0	2176.1	2428.0	2672.2	2942.8	3215.4	3478.9	3802.2
-62.5°	1242.8	1392.8	1543.0	1706.3	1894.0	2076.5	2288.0	2503.9	2711.7	2945.8	3173.6
-65°	1105.2	1228.3	1359.8	1493.3	1623.3	1784.8	1945.3	2100.1	2282.6	2462.9	2634.8
-67.5°	965.2	1076.2	1184.9	1294.0	1411.0	1524.5	1634.3	1772.6	1906.2	2034.0	2164.6
-70°	817.4	921.1	1018.7	1113.0	1204.7	1297.0	1394.5	1488.4	1578.5	1673.5	1781.2
-72.5°	666.6	757.4	846.2	932.7	1013.3	1091.1	1166.1	1238.4	1313.2	1388.3	1459.8
-75°	522.1	592.9	668.3	742.4	814.5	884.2	951.1	1013.0	1072.3	1128.9	1182.8
-77.5°	382.3	441.4	499.1	555.2	610.6	668.7	724.8	778.7	830.4	879.8	926.6
-80°	257.0	289.5	334.9	379.8	423.5	465.7	506.4	545.5	583.0	620.6	658.0
-82.5°	159.6	184.0	207.8	230.9	253.4	275.2	298.4	327.7	355.8	382.6	408.1
-85°	72.1	78.1	93.9	109.3	124.3	138.8	152.8	166.2	179.1	191.3	203.0
-87.5°	36.1	39.1	42.0	44.8	47.6	50.3	52.8	55.3	57.6	59.9	62.0
-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: P645546 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-750-U-LAM-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°	64.1	65.9	67.7	69.4	70.9	72.2	73.5	74.6	75.5	76.3	77.0
85°	213.9	224.3	233.9	242.9	251.1	258.6	265.4	271.3	276.6	281.0	284.6
82.5°	432.1	454.7	475.8	495.4	513.4	529.8	544.6	557.7	569.1	578.7	586.7
80°	693.4	726.6	757.7	786.5	813.0	837.2	858.9	878.2	895.1	909.3	921.1
77.5°	969.6	1009.4	1046.6	1081.1	1112.9	1141.8	1167.9	1191.0	1211.2	1228.3	1242.4
75°	1233.7	1283.5	1334.3	1381.6	1425.0	1464.6	1500.3	1532.0	1559.6	1583.1	1602.4
72.5°	1527.5	1591.2	1655.2	1727.9	1794.9	1856.0	1911.1	1960.0	2002.7	2038.9	2068.7
70°	1883.3	1979.4	2069.4	2161.3	2258.8	2347.7	2428.0	2499.3	2561.4	2614.3	2657.7
67.5°	2310.6	2448.1	2577.0	2696.9	2821.7	2942.8	3051.9	3149.0	3233.7	3305.7	3365.0
65°	2810.2	2994.7	3167.6	3328.5	3478.9	3654.5	3813.0	3954.0	4077.1	4181.9	4268.1
62.5°	3390.0	3630.5	3878.5	4109.6	4323.0	4533.7	4738.5	4920.8	5080.0	5215.7	5327.3
60°	4109.6	4400.1	4713.5	5009.1	5282.4	5532.7	5766.0	5973.9	6155.5	6310.4	6437.9
57.5°	4913.8	5282.4	5632.2	5965.9	6274.8	6557.9	6807.7	7026.1	7217.2	7380.3	7514.6
55°	5766.0	6179.0	6567.9	6919.8	7241.9	7537.5	7799.6	8011.2	8196.6	8354.8	8485.2
52.5°	6626.2	7055.0	7457.7	7825.6	8135.4	8420.0	8678.2	8890.6	9073.2	9229.3	9358.1
50°	7438.3	7881.9	8266.6	8627.4	8939.0	9217.5	9470.7	9686.7	9866.2	10019.8	10146.7
47.5°	8180.1	8617.4	9000.8	9351.7	9669.8	9941.7	10189.2	10408.2	10587.8	10741.6	10868.8
45°	8857.3	9279.8	9671.6	10012.0	10329.7	10603.3	10849.6	11070.8	11243.1	11387.8	11507.6
42.5°	9468.6	9887.6	10274.5	10618.5	10932.7	11206.7	11436.8	11643.9	11812.3	11947.4	12059.5
40°	10018.8	10446.2	10826.4	11174.1	11465.8	11734.8	11948.2	12140.7	12305.0	12433.8	12540.8
37.5°	10528.9	10952.9	11322.9	11655.2	11933.6	12183.7	12395.1	12577.6	12738.8	12858.2	12957.7
35°	10995.4	11398.1	11764.1	12068.8	12344.7	12580.3	12788.4	12956.8	13106.5	13220.4	13311.0
32.5°	11398.1	11797.4	12137.3	12437.2	12706.7	12926.5	13126.1	13280.3	13416.2	13525.7	13610.0
30°	11764.1	12137.3	12468.3	12765.5	13011.0	13225.1	13404.8	13555.4	13680.9	13785.4	13859.5
27.5°	12068.8	12437.2	12765.5	13039.5	13274.4	13480.5	13644.9	13789.9	13899.5	13995.7	14059.4
25°	12344.7	12706.7	13011.0	13274.4	13502.5	13690.6	13847.1	13978.5	14075.6	14158.0	14205.4
22.5°	12580.3	12926.5	13225.1	13480.5	13690.6	13866.4	14013.9	14125.2	14204.7	14254.5	14282.6
20°	12788.4	13126.1	13404.8	13644.9	13847.1	14013.9	14142.0	14224.2	14279.7	14293.3	14301.4
17.5°	12956.8	13280.3	13555.4	13789.9	13978.5	14125.2	14224.2	14282.3	14298.9	14295.9	14287.7
15°	13106.5	13416.2	13680.9	13899.5	14075.6	14204.7	14279.7	14298.9	14294.0	14277.3	14251.5
12.5°	13220.4	13525.7	13785.4	13995.7	14158.0	14254.5	14293.3	14295.9	14277.3	14245.3	14208.6
10°	13311.0	13610.0	13859.5	14059.4	14205.4	14282.6	14301.4	14287.7	14251.5	14208.6	14168.0
7.5°	13382.8	13676.8	13918.4	14110.3	14236.5	14291.2	14295.3	14269.6	14226.1	14177.4	14133.5
5°	13434.7	13725.3	13961.3	14147.4	14259.2	14297.6	14290.9	14255.3	14204.9	14154.0	14113.8
2.5°	13466.1	13754.7	13987.4	14170.0	14273.1	14301.5	14288.1	14246.4	14191.6	14139.0	14100.9
0°	13476.6	13764.5	13996.1	14177.6	14277.8	14302.8	14287.2	14243.4	14187.0	14133.8	14096.3
-2.5°	13466.1	13754.7	13987.4	14170.0	14273.1	14301.5	14288.1	14246.4	14191.6	14139.0	14100.9
-5°	13434.7	13725.3	13961.3	14147.4	14259.2	14297.6	14290.9	14255.3	14204.9	14154.0	14113.8
-7.5°	13382.8	13676.8	13918.4	14110.3	14236.5	14291.2	14295.3	14269.6	14226.1	14177.4	14133.5
-10°	13311.0	13610.0	13859.5	14059.4	14205.4	14282.6	14301.4	14287.7	14251.5	14208.6	14168.0
-12.5°	13220.4	13525.7	13785.4	13995.7	14158.0	14254.5	14293.3	14295.9	14277.3	14245.3	14208.6
-15°	13106.5	13416.2	13680.9	13899.5	14075.6	14204.7	14279.7	14298.9	14294.0	14277.3	14251.5
-17.5°	12956.8	13280.3	13555.4	13789.9	13978.5	14125.2	14224.2	14282.3	14298.9	14295.9	14287.7
-20°	12788.4	13126.1	13404.8	13644.9	13847.1	14013.9	14142.0	14224.2	14279.7	14293.3	14301.4



REPORT NUMBER: P645546 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-750-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	12580.3	12926.5	13225.1	13480.5	13690.6	13866.4	14013.9	14125.2	14204.7	14254.5	14282.6
-25°	12344.7	12706.7	13011.0	13274.4	13502.5	13690.6	13847.1	13978.5	14075.6	14158.0	14205.4
-27.5°	12068.8	12437.2	12765.5	13039.5	13274.4	13480.5	13644.9	13789.9	13899.5	13995.7	14059.4
-30°	11764.1	12137.3	12468.3	12765.5	13011.0	13225.1	13404.8	13555.4	13680.9	13785.4	13859.5
-32.5°	11398.1	11797.4	12137.3	12437.2	12706.7	12926.5	13126.1	13280.3	13416.2	13525.7	13610.0
-35°	10995.4	11398.1	11764.1	12068.8	12344.7	12580.3	12788.4	12956.8	13106.5	13220.4	13311.0
-37.5°	10528.9	10952.9	11322.9	11655.2	11933.6	12183.7	12395.1	12577.6	12738.8	12858.2	12957.7
-40°	10018.8	10446.2	10826.4	11174.1	11465.8	11734.8	11948.2	12140.7	12305.0	12433.8	12540.8
-42.5°	9468.6	9887.6	10274.5	10618.5	10932.7	11206.7	11436.8	11643.9	11812.3	11947.4	12059.5
-45°	8857.3	9279.8	9671.6	10012.0	10329.7	10603.3	10849.6	11070.8	11243.1	11387.8	11507.6
-47.5°	8180.1	8617.4	9000.8	9351.7	9669.8	9941.7	10189.2	10408.2	10587.8	10741.6	10868.8
-50°	7438.3	7881.9	8266.6	8627.4	8939.0	9217.5	9470.7	9686.7	9866.2	10019.8	10146.7
-52.5°	6626.2	7055.0	7457.7	7825.6	8135.4	8420.0	8678.2	8890.6	9073.2	9229.3	9358.1
-55°	5766.0	6179.0	6567.9	6919.8	7241.9	7537.5	7799.6	8011.2	8196.6	8354.8	8485.2
-57.5°	4913.8	5282.4	5632.2	5965.9	6274.8	6557.9	6807.7	7026.1	7217.2	7380.3	7514.6
-60°	4109.6	4400.1	4713.5	5009.1	5282.4	5532.7	5766.0	5973.9	6155.5	6310.4	6437.9
-62.5°	3390.0	3630.5	3878.5	4109.6	4323.0	4533.7	4738.5	4920.8	5080.0	5215.7	5327.3
-65°	2810.2	2994.7	3167.6	3328.5	3478.9	3654.5	3813.0	3954.0	4077.1	4181.9	4268.1
-67.5°	2310.6	2448.1	2577.0	2696.9	2821.7	2942.8	3051.9	3149.0	3233.7	3305.7	3365.0
-70°	1883.3	1979.4	2069.4	2161.3	2258.8	2347.7	2428.0	2499.3	2561.4	2614.3	2657.7
-72.5°	1527.5	1591.2	1655.2	1727.9	1794.9	1856.0	1911.1	1960.0	2002.7	2038.9	2068.7
-75°	1233.7	1283.5	1334.3	1381.6	1425.0	1464.6	1500.3	1532.0	1559.6	1583.1	1602.4
-77.5°	969.6	1009.4	1046.6	1081.1	1112.9	1141.8	1167.9	1191.0	1211.2	1228.3	1242.4
-80°	693.4	726.6	757.7	786.5	813.0	837.2	858.9	878.2	895.1	909.3	921.1
-82.5°	432.1	454.7	475.8	495.4	513.4	529.8	544.6	557.7	569.1	578.7	586.7
-85°	213.9	224.3	233.9	242.9	251.1	258.6	265.4	271.3	276.6	281.0	284.6
-87.5°	64.1	65.9	67.7	69.4	70.9	72.2	73.5	74.6	75.5	76.3	77.0
-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: P645546 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-750-U-LAM-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°	77.5	77.9	78.1	78.2	78.1	77.9	77.5	77.0	76.3	75.5	74.6
85°	287.4	289.5	290.7	291.1	290.7	289.5	287.4	284.6	281.0	276.6	271.3
82.5°	592.9	597.3	600.0	600.9	600.0	597.3	592.9	586.7	578.7	569.1	557.7
80°	930.2	936.8	940.7	942.0	940.7	936.8	930.2	921.1	909.3	895.1	878.2
77.5°	1253.4	1261.2	1265.9	1267.5	1265.9	1261.2	1253.4	1242.4	1228.3	1211.2	1191.0
75°	1617.4	1628.2	1634.6	1636.8	1634.6	1628.2	1617.4	1602.4	1583.1	1559.6	1532.0
72.5°	2091.9	2108.6	2118.6	2121.9	2118.6	2108.6	2091.9	2068.7	2038.9	2002.7	1960.0
70°	2691.6	2715.9	2730.5	2735.4	2730.5	2715.9	2691.6	2657.7	2614.3	2561.4	2499.3
67.5°	3411.2	3444.3	3464.3	3470.9	3464.3	3444.3	3411.2	3365.0	3305.7	3233.7	3149.0
65°	4335.4	4383.6	4412.6	4422.3	4412.6	4383.6	4335.4	4268.1	4181.9	4077.1	3954.0
62.5°	5414.5	5477.0	5514.6	5527.1	5514.6	5477.0	5414.5	5327.3	5215.7	5080.0	4920.8
60°	6537.5	6609.0	6652.0	6666.3	6652.0	6609.0	6537.5	6437.9	6310.4	6155.5	5973.9
57.5°	7619.6	7694.9	7740.3	7755.4	7740.3	7694.9	7619.6	7514.6	7380.3	7217.2	7026.1
55°	8587.3	8660.6	8704.7	8719.4	8704.7	8660.6	8587.3	8485.2	8354.8	8196.6	8011.2
52.5°	9458.9	9531.3	9574.9	9589.5	9574.9	9531.3	9458.9	9358.1	9229.3	9073.2	8890.6
50°	10246.2	10317.6	10360.6	10375.0	10360.6	10317.6	10246.2	10146.7	10019.8	9866.2	9686.7
47.5°	10968.6	11040.3	11083.6	11098.0	11083.6	11040.3	10968.6	10868.8	10741.6	10587.8	10408.2
45°	11601.7	11669.4	11710.3	11723.9	11710.3	11669.4	11601.7	11507.6	11387.8	11243.1	11070.8
42.5°	12147.6	12211.1	12249.4	12262.2	12249.4	12211.1	12147.6	12059.5	11947.4	11812.3	11643.9
40°	12625.0	12685.8	12722.5	12734.8	12722.5	12685.8	12625.0	12540.8	12433.8	12305.0	12140.7
37.5°	13036.2	13092.9	13127.1	13138.6	13127.1	13092.9	13036.2	12957.7	12858.2	12738.8	12577.6
35°	13382.8	13434.7	13466.1	13476.6	13466.1	13434.7	13382.8	13311.0	13220.4	13106.5	12956.8
32.5°	13676.8	13725.3	13754.7	13764.5	13754.7	13725.3	13676.8	13610.0	13525.7	13416.2	13280.3
30°	13918.4	13961.3	13987.4	13996.1	13987.4	13961.3	13918.4	13859.5	13785.4	13680.9	13555.4
27.5°	14110.3	14147.4	14170.0	14177.6	14170.0	14147.4	14110.3	14059.4	13995.7	13899.5	13789.9
25°	14236.5	14259.2	14273.1	14277.8	14273.1	14259.2	14236.5	14205.4	14158.0	14075.6	13978.5
22.5°	14291.2	14297.6	14301.5	14302.8	14301.5	14297.6	14291.2	14282.6	14254.5	14204.7	14125.2
20°	14295.3	14290.9	14288.1	14287.2	14288.1	14290.9	14295.3	14301.4	14293.3	14279.7	14224.2
17.5°	14269.6	14255.3	14246.4	14243.4	14246.4	14255.3	14269.6	14287.7	14295.9	14298.9	14282.3
15°	14226.1	14204.9	14191.6	14187.0	14191.6	14204.9	14226.1	14251.5	14277.3	14294.0	14298.9
12.5°	14177.4	14154.0	14139.0	14133.8	14139.0	14154.0	14177.4	14208.6	14245.3	14277.3	14295.9
10°	14133.5	14113.8	14100.9	14096.3	14100.9	14113.8	14133.5	14168.0	14208.6	14251.5	14287.7
7.5°	14105.2	14087.6	14077.9	14074.3	14077.9	14087.6	14105.2	14133.5	14177.4	14226.1	14269.6
5°	14087.6	14070.0	14055.2	14049.3	14055.2	14070.0	14087.6	14113.8	14154.0	14204.9	14255.3
2.5°	14077.9	14055.2	14032.8	14021.1	14032.8	14055.2	14077.9	14100.9	14139.0	14191.6	14246.4
0°	14074.3	14049.3	14021.1	14024.3	14021.1	14049.3	14074.3	14096.3	14133.8	14187.0	14243.4
-2.5°	14077.9	14055.2	14032.8	14021.1	14032.8	14055.2	14077.9	14100.9	14139.0	14191.6	14246.4
-5°	14087.6	14070.0	14055.2	14049.3	14055.2	14070.0	14087.6	14113.8	14154.0	14204.9	14255.3
-7.5°	14105.2	14087.6	14077.9	14074.3	14077.9	14087.6	14105.2	14133.5	14177.4	14226.1	14269.6
-10°	14133.5	14113.8	14100.9	14096.3	14100.9	14113.8	14133.5	14168.0	14208.6	14251.5	14287.7
-12.5°	14177.4	14154.0	14139.0	14133.8	14139.0	14154.0	14177.4	14208.6	14245.3	14277.3	14295.9
-15°	14226.1	14204.9	14191.6	14187.0	14191.6	14204.9	14226.1	14251.5	14277.3	14294.0	14298.9
-17.5°	14269.6	14255.3	14246.4	14243.4	14246.4	14255.3	14269.6	14287.7	14295.9	14298.9	14282.3
-20°	14295.3	14290.9	14288.1	14287.2	14288.1	14290.9	14295.3	14301.4	14293.3	14279.7	14224.2



REPORT NUMBER: P645546 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-750-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	14291.2	14297.6	14301.5	14302.8	14301.5	14297.6	14291.2	14282.6	14254.5	14204.7	14125.2
-25°	14236.5	14259.2	14273.1	14277.8	14273.1	14259.2	14236.5	14205.4	14158.0	14075.6	13978.5
-27.5°	14110.3	14147.4	14170.0	14177.6	14170.0	14147.4	14110.3	14059.4	13995.7	13899.5	13789.9
-30°	13918.4	13961.3	13987.4	13996.1	13987.4	13961.3	13918.4	13859.5	13785.4	13680.9	13555.4
-32.5°	13676.8	13725.3	13754.7	13764.5	13754.7	13725.3	13676.8	13610.0	13525.7	13416.2	13280.3
-35°	13382.8	13434.7	13466.1	13476.6	13466.1	13434.7	13382.8	13311.0	13220.4	13106.5	12956.8
-37.5°	13036.2	13092.9	13127.1	13138.6	13127.1	13092.9	13036.2	12957.7	12858.2	12738.8	12577.6
-40°	12625.0	12685.8	12722.5	12734.8	12722.5	12685.8	12625.0	12540.8	12433.8	12305.0	12140.7
-42.5°	12147.6	12211.1	12249.4	12262.2	12249.4	12211.1	12147.6	12059.5	11947.4	11812.3	11643.9
-45°	11601.7	11669.4	11710.3	11723.9	11710.3	11669.4	11601.7	11507.6	11387.8	11243.1	11070.8
-47.5°	10968.6	11040.3	11083.6	11098.0	11083.6	11040.3	10968.6	10868.8	10741.6	10587.8	10408.2
-50°	10246.2	10317.6	10360.6	10375.0	10360.6	10317.6	10246.2	10146.7	10019.8	9866.2	9686.7
-52.5°	9458.9	9531.3	9574.9	9589.5	9574.9	9531.3	9458.9	9358.1	9229.3	9073.2	8890.6
-55°	8587.3	8660.6	8704.7	8719.4	8704.7	8660.6	8587.3	8485.2	8354.8	8196.6	8011.2
-57.5°	7619.6	7694.9	7740.3	7755.4	7740.3	7694.9	7619.6	7514.6	7380.3	7217.2	7026.1
-60°	6537.5	6609.0	6652.0	6666.3	6652.0	6609.0	6537.5	6437.9	6310.4	6155.5	5973.9
-62.5°	5414.5	5477.0	5514.6	5527.1	5514.6	5477.0	5414.5	5327.3	5215.7	5080.0	4920.8
-65°	4335.4	4383.6	4412.6	4422.3	4412.6	4383.6	4335.4	4268.1	4181.9	4077.1	3954.0
-67.5°	3411.2	3444.3	3464.3	3470.9	3464.3	3444.3	3411.2	3365.0	3305.7	3233.7	3149.0
-70°	2691.6	2715.9	2730.5	2735.4	2730.5	2715.9	2691.6	2657.7	2614.3	2561.4	2499.3
-72.5°	2091.9	2108.6	2118.6	2121.9	2118.6	2108.6	2091.9	2068.7	2038.9	2002.7	1960.0
-75°	1617.4	1628.2	1634.6	1636.8	1634.6	1628.2	1617.4	1602.4	1583.1	1559.6	1532.0
-77.5°	1253.4	1261.2	1265.9	1267.5	1265.9	1261.2	1253.4	1242.4	1228.3	1211.2	1191.0
-80°	930.2	936.8	940.7	942.0	940.7	936.8	930.2	921.1	909.3	895.1	878.2
-82.5°	592.9	597.3	600.0	600.9	600.0	597.3	592.9	586.7	578.7	569.1	557.7
-85°	287.4	289.5	290.7	291.1	290.7	289.5	287.4	284.6	281.0	276.6	271.3
-87.5°	77.5	77.9	78.1	78.2	78.1	77.9	77.5	77.0	76.3	75.5	74.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645546 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-750-U-LAM-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°	73.5	72.2	70.9	69.4	67.7	65.9	64.1	62.0	59.9	57.6	55.3
85°	265.4	258.6	251.1	242.9	233.9	224.3	213.9	203.0	191.3	179.1	166.2
82.5°	544.6	529.8	513.4	495.4	475.8	454.7	432.1	408.1	382.6	355.8	327.7
80°	858.9	837.2	813.0	786.5	757.7	726.6	693.4	658.0	620.6	583.0	545.5
77.5°	1167.9	1141.8	1112.9	1081.1	1046.6	1009.4	969.6	926.6	879.8	830.4	778.7
75°	1500.3	1464.6	1425.0	1381.6	1334.3	1283.5	1233.7	1182.8	1128.9	1072.3	1013.0
72.5°	1911.1	1856.0	1794.9	1727.9	1655.2	1591.2	1527.5	1459.8	1388.3	1313.2	1238.4
70°	2428.0	2347.7	2258.8	2161.3	2069.4	1979.4	1883.3	1781.2	1673.5	1578.5	1488.4
67.5°	3051.9	2942.8	2821.7	2696.9	2577.0	2448.1	2310.6	2164.6	2034.0	1906.2	1772.6
65°	3813.0	3654.5	3478.9	3328.5	3167.6	2994.7	2810.2	2634.8	2462.9	2282.6	2100.1
62.5°	4738.5	4533.7	4323.0	4109.6	3878.5	3630.5	3390.0	3173.6	2945.8	2711.7	2503.9
60°	5766.0	5532.7	5282.4	5009.1	4713.5	4400.1	4109.6	3802.2	3478.9	3215.4	2942.8
57.5°	6807.7	6557.9	6274.8	5965.9	5632.2	5282.4	4913.8	4524.4	4157.8	3789.4	3420.7
55°	7799.6	7537.5	7241.9	6919.8	6567.9	6179.0	5766.0	5336.2	4892.8	4429.7	4014.1
52.5°	8678.2	8420.0	8135.4	7825.6	7457.7	7055.0	6626.2	6155.5	5662.4	5159.6	4641.8
50°	9470.7	9217.5	8939.0	8627.4	8266.6	7881.9	7438.3	6954.3	6437.9	5886.4	5321.2
47.5°	10189.2	9941.7	9669.8	9351.7	9000.8	8617.4	8180.1	7716.4	7174.6	6609.0	5993.3
45°	10849.6	10603.3	10329.7	10012.0	9671.6	9279.8	8857.3	8381.6	7870.2	7285.7	6666.3
42.5°	11436.8	11206.7	10932.7	10618.5	10274.5	9887.6	9468.6	8996.9	8483.2	7920.3	7285.7
40°	11948.2	11734.8	11465.8	11174.1	10826.4	10446.2	10018.8	9563.9	9043.8	8483.2	7870.2
37.5°	12395.1	12183.7	11933.6	11655.2	11322.9	10952.9	10528.9	10062.9	9563.9	8996.9	8381.6
35°	12788.4	12580.3	12344.7	12068.8	11764.1	11398.1	10995.4	10528.9	10018.8	9468.6	8857.3
32.5°	13126.1	12926.5	12706.7	12437.2	12137.3	11797.4	11398.1	10952.9	10446.2	9887.6	9279.8
30°	13404.8	13225.1	13011.0	12765.5	12468.3	12137.3	11764.1	11322.9	10826.4	10274.5	9671.6
27.5°	13644.9	13480.5	13274.4	13039.5	12765.5	12437.2	12068.8	11655.2	11174.1	10618.5	10012.0
25°	13847.1	13690.6	13502.5	13274.4	13011.0	12706.7	12344.7	11933.6	11465.8	10932.7	10329.7
22.5°	14013.9	13866.4	13690.6	13480.5	13225.1	12926.5	12580.3	12183.7	11734.8	11206.7	10603.3
20°	14142.0	14013.9	13847.1	13644.9	13404.8	13126.1	12788.4	12395.1	11948.2	11436.8	10849.6
17.5°	14224.2	14125.2	13978.5	13789.9	13555.4	13280.3	12956.8	12577.6	12140.7	11643.9	11070.8
15°	14279.7	14204.7	14075.6	13899.5	13680.9	13416.2	13106.5	12738.8	12305.0	11812.3	11243.1
12.5°	14293.3	14254.5	14158.0	13995.7	13785.4	13525.7	13220.4	12858.2	12433.8	11947.4	11387.8
10°	14301.4	14282.6	14205.4	14059.4	13859.5	13610.0	13311.0	12957.7	12540.8	12059.5	11507.6
7.5°	14295.3	14291.2	14236.5	14110.3	13918.4	13676.8	13382.8	13036.2	12625.0	12147.6	11601.7
5°	14290.9	14297.6	14259.2	14147.4	13961.3	13725.3	13434.7	13092.9	12685.8	12211.1	11669.4
2.5°	14288.1	14301.5	14273.1	14170.0	13987.4	13754.7	13466.1	13127.1	12722.5	12249.4	11710.3
0°	14287.2	14302.8	14277.8	14177.6	13996.1	13764.5	13476.6	13138.6	12734.8	12262.2	11723.9
-2.5°	14288.1	14301.5	14273.1	14170.0	13987.4	13754.7	13466.1	13127.1	12722.5	12249.4	11710.3
-5°	14290.9	14297.6	14259.2	14147.4	13961.3	13725.3	13434.7	13092.9	12685.8	12211.1	11669.4
-7.5°	14295.3	14291.2	14236.5	14110.3	13918.4	13676.8	13382.8	13036.2	12625.0	12147.6	11601.7
-10°	14301.4	14282.6	14205.4	14059.4	13859.5	13610.0	13311.0	12957.7	12540.8	12059.5	11507.6
-12.5°	14293.3	14254.5	14158.0	13995.7	13785.4	13525.7	13220.4	12858.2	12433.8	11947.4	11387.8
-15°	14279.7	14204.7	14075.6	13899.5	13680.9	13416.2	13106.5	12738.8	12305.0	11812.3	11243.1
-17.5°	14224.2	14125.2	13978.5	13789.9	13555.4	13280.3	12956.8	12577.6	12140.7	11643.9	11070.8
-20°	14142.0	14013.9	13847.1	13644.9	13404.8	13126.1	12788.4	12395.1	11948.2	11436.8	10849.6



REPORT NUMBER: P645546 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-750-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	14013.9	13866.4	13690.6	13480.5	13225.1	12926.5	12580.3	12183.7	11734.8	11206.7	10603.3
-25°	13847.1	13690.6	13502.5	13274.4	13011.0	12706.7	12344.7	11933.6	11465.8	10932.7	10329.7
-27.5°	13644.9	13480.5	13274.4	13039.5	12765.5	12437.2	12068.8	11655.2	11174.1	10618.5	10012.0
-30°	13404.8	13225.1	13011.0	12765.5	12468.3	12137.3	11764.1	11322.9	10826.4	10274.5	9671.6
-32.5°	13126.1	12926.5	12706.7	12437.2	12137.3	11797.4	11398.1	10952.9	10446.2	9887.6	9279.8
-35°	12788.4	12580.3	12344.7	12068.8	11764.1	11398.1	10995.4	10528.9	10018.8	9468.6	8857.3
-37.5°	12395.1	12183.7	11933.6	11655.2	11322.9	10952.9	10528.9	10062.9	9563.9	8996.9	8381.6
-40°	11948.2	11734.8	11465.8	11174.1	10826.4	10446.2	10018.8	9563.9	9043.8	8483.2	7870.2
-42.5°	11436.8	11206.7	10932.7	10618.5	10274.5	9887.6	9468.6	8996.9	8483.2	7920.3	7285.7
-45°	10849.6	10603.3	10329.7	10012.0	9671.6	9279.8	8857.3	8381.6	7870.2	7285.7	6666.3
-47.5°	10189.2	9941.7	9669.8	9351.7	9000.8	8617.4	8180.1	7716.4	7174.6	6609.0	5999.3
-50°	9470.7	9217.5	8939.0	8627.4	8266.6	7881.9	7438.3	6954.3	6437.9	5886.4	5321.2
-52.5°	8678.2	8420.0	8135.4	7825.6	7457.7	7055.0	6626.2	6155.5	5662.4	5159.6	4641.8
-55°	7799.6	7537.5	7241.9	6919.8	6567.9	6179.0	5766.0	5336.2	4892.8	4429.7	4014.1
-57.5°	6807.7	6557.9	6274.8	5965.9	5632.2	5282.4	4913.8	4524.4	4157.8	3789.4	3420.7
-60°	5766.0	5532.7	5282.4	5009.1	4713.5	4400.1	4109.6	3802.2	3478.9	3215.4	2942.8
-62.5°	4738.5	4533.7	4323.0	4109.6	3878.5	3630.5	3390.0	3173.6	2945.8	2711.7	2503.9
-65°	3813.0	3654.5	3478.9	3328.5	3167.6	2994.7	2810.2	2634.8	2462.9	2282.6	2100.1
-67.5°	3051.9	2942.8	2821.7	2696.9	2577.0	2448.1	2310.6	2164.6	2034.0	1906.2	1772.6
-70°	2428.0	2347.7	2258.8	2161.3	2069.4	1979.4	1883.3	1781.2	1673.5	1578.5	1488.4
-72.5°	1911.1	1856.0	1794.9	1727.9	1655.2	1591.2	1527.5	1459.8	1388.3	1313.2	1238.4
-75°	1500.3	1464.6	1425.0	1381.6	1334.3	1283.5	1233.7	1182.8	1128.9	1072.3	1013.0
-77.5°	1167.9	1141.8	1112.9	1081.1	1046.6	1009.4	969.6	926.6	879.8	830.4	778.7
-80°	858.9	837.2	813.0	786.5	757.7	726.6	693.4	658.0	620.6	583.0	545.5
-82.5°	544.6	529.8	513.4	495.4	475.8	454.7	432.1	408.1	382.6	355.8	327.7
-85°	265.4	258.6	251.1	242.9	233.9	224.3	213.9	203.0	191.3	179.1	166.2
-87.5°	73.5	72.2	70.9	69.4	67.7	65.9	64.1	62.0	59.9	57.6	55.3
-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: P645546 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-750-U-LAM-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°	52.8	50.3	47.6	44.8	42.0	39.1	36.1	33.0	29.9	26.7	23.5
85°	152.8	138.8	124.3	109.3	93.9	78.1	72.1	66.0	59.8	53.4	47.0
82.5°	298.4	275.2	253.4	230.9	207.8	184.0	159.6	134.6	109.1	83.2	70.4
80°	506.4	465.7	423.5	379.8	334.9	289.5	257.0	223.7	189.8	155.3	120.2
77.5°	724.8	668.7	610.6	555.2	499.1	441.4	382.3	321.9	269.9	226.8	183.1
75°	951.1	884.2	814.5	742.4	668.3	592.9	522.1	449.7	375.9	300.8	245.4
72.5°	1166.1	1091.1	1013.3	932.7	846.2	757.4	666.6	576.3	490.4	403.0	314.4
70°	1394.5	1297.0	1204.7	1113.0	1018.7	921.1	817.4	711.5	603.7	504.0	403.0
67.5°	1634.3	1524.5	1411.0	1294.0	1184.9	1076.2	965.2	847.5	726.6	603.7	490.4
65°	1945.3	1784.8	1623.3	1493.3	1359.8	1228.3	1105.2	979.6	847.5	711.5	576.3
62.5°	2288.0	2076.5	1894.0	1706.3	1543.0	1392.8	1242.8	1105.2	965.2	817.4	666.6
60°	2672.2	2428.0	2176.1	1960.0	1750.1	1559.6	1392.8	1228.3	1076.2	921.1	757.4
57.5°	3113.2	2795.5	2512.6	2232.3	1982.1	1750.1	1543.0	1359.8	1184.9	1018.7	846.2
55°	3584.8	3216.3	2863.9	2540.9	2232.3	1960.0	1706.3	1493.3	1294.0	1113.0	932.7
52.5°	4150.1	3674.8	3250.8	2863.9	2512.6	2176.1	1894.0	1623.3	1411.0	1204.7	1013.3
50°	4748.6	4195.7	3674.8	3216.3	2795.5	2428.0	2076.5	1784.8	1524.5	1297.0	1091.1
47.5°	5375.3	4748.6	4150.1	3584.8	3113.2	2672.2	2288.0	1945.3	1634.3	1394.5	1166.1
45°	5999.3	5321.2	4641.8	4014.1	3420.7	2942.8	2503.9	2100.1	1772.6	1488.4	1238.4
42.5°	6609.0	5886.4	5159.6	4429.7	3789.4	3215.4	2711.7	2282.6	1906.2	1578.5	1313.2
40°	7174.6	6437.9	5662.4	4892.8	4157.8	3478.9	2945.8	2462.9	2034.0	1673.5	1388.3
37.5°	7716.4	6954.3	6155.5	5336.2	4524.4	3802.2	3173.6	2634.8	2164.6	1781.2	1459.8
35°	8180.1	7438.3	6626.2	5766.0	4913.8	4109.6	3390.0	2810.2	2310.6	1883.3	1527.5
32.5°	8617.4	7881.9	7055.0	6179.0	5282.4	4400.1	3630.5	2994.7	2448.1	1979.4	1591.2
30°	9000.8	8266.6	7457.7	6567.9	5632.2	4713.5	3878.5	3167.6	2577.0	2069.4	1655.2
27.5°	9351.7	8627.4	7825.6	6919.8	5965.9	5009.1	4109.6	3328.5	2696.9	2161.3	1727.9
25°	9669.8	8939.0	8135.4	7241.9	6274.8	5282.4	4323.0	3478.9	2821.7	2258.8	1794.9
22.5°	9941.7	9217.5	8420.0	7537.5	6557.9	5532.7	4533.7	3654.5	2942.8	2347.7	1856.0
20°	10189.2	9470.7	8678.2	7799.6	6807.7	5766.0	4738.5	3813.0	3051.9	2428.0	1911.1
17.5°	10408.2	9686.7	8890.6	8011.2	7026.1	5973.9	4920.8	3954.0	3149.0	2499.3	1960.0
15°	10587.8	9866.2	9073.2	8196.6	7217.2	6155.5	5080.0	4077.1	3233.7	2561.4	2002.7
12.5°	10741.6	10019.8	9229.3	8354.8	7380.3	6310.4	5215.7	4181.9	3305.7	2614.3	2038.9
10°	10868.8	10146.7	9358.1	8485.2	7514.6	6437.9	5327.3	4268.1	3365.0	2657.7	2068.7
7.5°	10968.6	10246.2	9458.9	8587.3	7619.6	6537.5	5414.5	4335.4	3411.2	2691.6	2091.9
5°	11040.3	10317.6	9531.3	8660.6	7694.9	6609.0	5477.0	4383.6	3444.3	2715.9	2108.6
2.5°	11083.6	10360.6	9574.9	8704.7	7740.3	6652.0	5514.6	4412.6	3464.3	2730.5	2118.6
0°	11098.0	10375.0	9589.5	8719.4	7755.4	6666.3	5527.1	4422.3	3470.9	2735.4	2121.9
-2.5°	11083.6	10360.6	9574.9	8704.7	7740.3	6652.0	5514.6	4412.6	3464.3	2730.5	2118.6
-5°	11040.3	10317.6	9531.3	8660.6	7694.9	6609.0	5477.0	4383.6	3444.3	2715.9	2108.6
-7.5°	10968.6	10246.2	9458.9	8587.3	7619.6	6537.5	5414.5	4335.4	3411.2	2691.6	2091.9
-10°	10868.8	10146.7	9358.1	8485.2	7514.6	6437.9	5327.3	4268.1	3365.0	2657.7	2068.7
-12.5°	10741.6	10019.8	9229.3	8354.8	7380.3	6310.4	5215.7	4181.9	3305.7	2614.3	2038.9
-15°	10587.8	9866.2	9073.2	8196.6	7217.2	6155.5	5080.0	4077.1	3233.7	2561.4	2002.7
-17.5°	10408.2	9686.7	8890.6	8011.2	7026.1	5973.9	4920.8	3954.0	3149.0	2499.3	1960.0
-20°	10189.2	9470.7	8678.2	7799.6	6807.7	5766.0	4738.5	3813.0	3051.9	2428.0	1911.1

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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°	9941.7	9217.5	8420.0	7537.5	6557.9	5532.7	4533.7	3654.5	2942.8	2347.7	1856.0
-25°	9669.8	8939.0	8135.4	7241.9	6274.8	5282.4	4323.0	3478.9	2821.7	2258.8	1794.9
-27.5°	9351.7	8627.4	7825.6	6919.8	5965.9	5009.1	4109.6	3328.5	2696.9	2161.3	1727.9
-30°	9000.8	8266.6	7457.7	6567.9	5632.2	4713.5	3878.5	3167.6	2577.0	2069.4	1655.2
-32.5°	8617.4	7881.9	7055.0	6179.0	5282.4	4400.1	3630.5	2994.7	2448.1	1979.4	1591.2
-35°	8180.1	7438.3	6626.2	5766.0	4913.8	4109.6	3390.0	2810.2	2310.6	1883.3	1527.5
-37.5°	7716.4	6954.3	6155.5	5336.2	4524.4	3802.2	3173.6	2634.8	2164.6	1781.2	1459.8
-40°	7174.6	6437.9	5662.4	4892.8	4157.8	3478.9	2945.8	2462.9	2034.0	1673.5	1388.3
-42.5°	6609.0	5886.4	5159.6	4429.7	3789.4	3215.4	2711.7	2282.6	1906.2	1578.5	1313.2
-45°	5999.3	5321.2	4641.8	4014.1	3420.7	2942.8	2503.9	2100.1	1772.6	1488.4	1238.4
-47.5°	5375.3	4748.6	4150.1	3584.8	3113.2	2672.2	2288.0	1945.3	1634.3	1394.5	1166.1
-50°	4748.6	4195.7	3674.8	3216.3	2795.5	2428.0	2076.5	1784.8	1524.5	1297.0	1091.1
-52.5°	4150.1	3674.8	3250.8	2863.9	2512.6	2176.1	1894.0	1623.3	1411.0	1204.7	1013.3
-55°	3584.8	3216.3	2863.9	2540.9	2232.3	1960.0	1706.3	1493.3	1294.0	1113.0	932.7
-57.5°	3113.2	2795.5	2512.6	2232.3	1982.1	1750.1	1543.0	1359.8	1184.9	1018.7	846.2
-60°	2672.2	2428.0	2176.1	1960.0	1750.1	1559.6	1392.8	1228.3	1076.2	921.1	757.4
-62.5°	2288.0	2076.5	1894.0	1706.3	1543.0	1392.8	1242.8	1105.2	965.2	817.4	666.6
-65°	1945.3	1784.8	1623.3	1493.3	1359.8	1228.3	1105.2	979.6	847.5	711.5	576.3
-67.5°	1634.3	1524.5	1411.0	1294.0	1184.9	1076.2	965.2	847.5	726.6	603.7	490.4
-70°	1394.5	1297.0	1204.7	1113.0	1018.7	921.1	817.4	711.5	603.7	504.0	403.0
-72.5°	1166.1	1091.1	1013.3	932.7	846.2	757.4	666.6	576.3	490.4	403.0	314.4
-75°	951.1	884.2	814.5	742.4	668.3	592.9	522.1	449.7	375.9	300.8	245.4
-77.5°	724.8	668.7	610.6	555.2	499.1	441.4	382.3	321.9	269.9	226.8	183.1
-80°	506.4	465.7	423.5	379.8	334.9	289.5	257.0	223.7	189.8	155.3	120.2
-82.5°	298.4	275.2	253.4	230.9	207.8	184.0	159.6	134.6	109.1	83.2	70.4
-85°	152.8	138.8	124.3	109.3	93.9	78.1	72.1	66.0	59.8	53.4	47.0
-87.5°	52.8	50.3	47.6	44.8	42.0	39.1	36.1	33.0	29.9	26.7	23.5
-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°	20.2	16.9	13.6	10.2	6.8	3.4	0.0
85°	40.4	33.8	27.1	20.4	13.6	6.8	0.0
82.5°	60.6	50.6	40.6	30.5	20.4	10.2	0.0
80°	84.7	67.4	54.0	40.6	27.1	13.6	0.0
77.5°	138.8	94.0	67.4	50.6	33.8	16.9	0.0
75°	192.4	138.8	84.7	60.6	40.4	20.2	0.0
72.5°	245.4	183.1	120.2	70.4	47.0	23.5	0.0
70°	300.8	226.8	155.3	83.2	53.4	26.7	0.0
67.5°	375.9	269.9	189.8	109.1	59.8	29.9	0.0
65°	449.7	321.9	223.7	134.6	66.0	33.0	0.0
62.5°	522.1	382.3	257.0	159.6	72.1	36.1	0.0
60°	592.9	441.4	289.5	184.0	78.1	39.1	0.0
57.5°	668.3	499.1	334.9	207.8	93.9	42.0	0.0
55°	742.4	555.2	379.8	230.9	109.3	44.8	0.0
52.5°	814.5	610.6	423.5	253.4	124.3	47.6	0.0
50°	884.2	668.7	465.7	275.2	138.8	50.3	0.0
47.5°	951.1	724.8	506.4	298.4	152.8	52.8	0.0
45°	1013.0	778.7	545.5	327.7	166.2	55.3	0.0
42.5°	1072.3	830.4	583.0	355.8	179.1	57.6	0.0
40°	1128.9	879.8	620.6	382.6	191.3	59.9	0.0
37.5°	1182.8	926.6	658.0	408.1	203.0	62.0	0.0
35°	1233.7	969.6	693.4	432.1	213.9	64.1	0.0
32.5°	1283.5	1009.4	726.6	454.7	224.3	65.9	0.0
30°	1334.3	1046.6	757.7	475.8	233.9	67.7	0.0
27.5°	1381.6	1081.1	786.5	495.4	242.9	69.4	0.0
25°	1425.0	1112.9	813.0	513.4	251.1	70.9	0.0
22.5°	1464.6	1141.8	837.2	529.8	258.6	72.2	0.0
20°	1500.3	1167.9	858.9	544.6	265.4	73.5	0.0
17.5°	1532.0	1191.0	878.2	557.7	271.3	74.6	0.0
15°	1559.6	1211.2	895.1	569.1	276.6	75.5	0.0
12.5°	1583.1	1228.3	909.3	578.7	281.0	76.3	0.0
10°	1602.4	1242.4	921.1	586.7	284.6	77.0	0.0
7.5°	1617.4	1253.4	930.2	592.9	287.4	77.5	0.0
5°	1628.2	1261.2	936.8	597.3	289.5	77.9	0.0
2.5°	1634.6	1265.9	940.7	600.0	290.7	78.1	0.0
0°	1636.8	1267.5	942.0	600.9	291.1	78.2	0.0
-2.5°	1634.6	1265.9	940.7	600.0	290.7	78.1	0.0
-5°	1628.2	1261.2	936.8	597.3	289.5	77.9	0.0
-7.5°	1617.4	1253.4	930.2	592.9	287.4	77.5	0.0
-10°	1602.4	1242.4	921.1	586.7	284.6	77.0	0.0
-12.5°	1583.1	1228.3	909.3	578.7	281.0	76.3	0.0
-15°	1559.6	1211.2	895.1	569.1	276.6	75.5	0.0
-17.5°	1532.0	1191.0	878.2	557.7	271.3	74.6	0.0
-20°	1500.3	1167.9	858.9	544.6	265.4	73.5	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	1464.6	1141.8	837.2	529.8	258.6	72.2	0.0
-25°	1425.0	1112.9	813.0	513.4	251.1	70.9	0.0
-27.5°	1381.6	1081.1	786.5	495.4	242.9	69.4	0.0
-30°	1334.3	1046.6	757.7	475.8	233.9	67.7	0.0
-32.5°	1283.5	1009.4	726.6	454.7	224.3	65.9	0.0
-35°	1233.7	969.6	693.4	432.1	213.9	64.1	0.0
-37.5°	1182.8	926.6	658.0	408.1	203.0	62.0	0.0
-40°	1128.9	879.8	620.6	382.6	191.3	59.9	0.0
-42.5°	1072.3	830.4	583.0	355.8	179.1	57.6	0.0
-45°	1013.0	778.7	545.5	327.7	166.2	55.3	0.0
-47.5°	951.1	724.8	506.4	298.4	152.8	52.8	0.0
-50°	884.2	668.7	465.7	275.2	138.8	50.3	0.0
-52.5°	814.5	610.6	423.5	253.4	124.3	47.6	0.0
-55°	742.4	555.2	379.8	230.9	109.3	44.8	0.0
-57.5°	668.3	499.1	334.9	207.8	93.9	42.0	0.0
-60°	592.9	441.4	289.5	184.0	78.1	39.1	0.0
-62.5°	522.1	382.3	257.0	159.6	72.1	36.1	0.0
-65°	449.7	321.9	223.7	134.6	66.0	33.0	0.0
-67.5°	375.9	269.9	189.8	109.1	59.8	29.9	0.0
-70°	300.8	226.8	155.3	83.2	53.4	26.7	0.0
-72.5°	245.4	183.1	120.2	70.4	47.0	23.5	0.0
-75°	192.4	138.8	84.7	60.6	40.4	20.2	0.0
-77.5°	138.8	94.0	67.4	50.6	33.8	16.9	0.0
-80°	84.7	67.4	54.0	40.6	27.1	13.6	0.0
-82.5°	60.6	50.6	40.6	30.5	20.4	10.2	0.0
-85°	40.4	33.8	27.1	20.4	13.6	6.8	0.0
-87.5°	20.2	16.9	13.6	10.2	6.8	3.4	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)