

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: P645458 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA4B-735-U-LAM-XX

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-2019
Report Number: P645458 (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-SA4B-735-U-LAM-XX
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, LAMBERTIAN
Light Source: (64) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

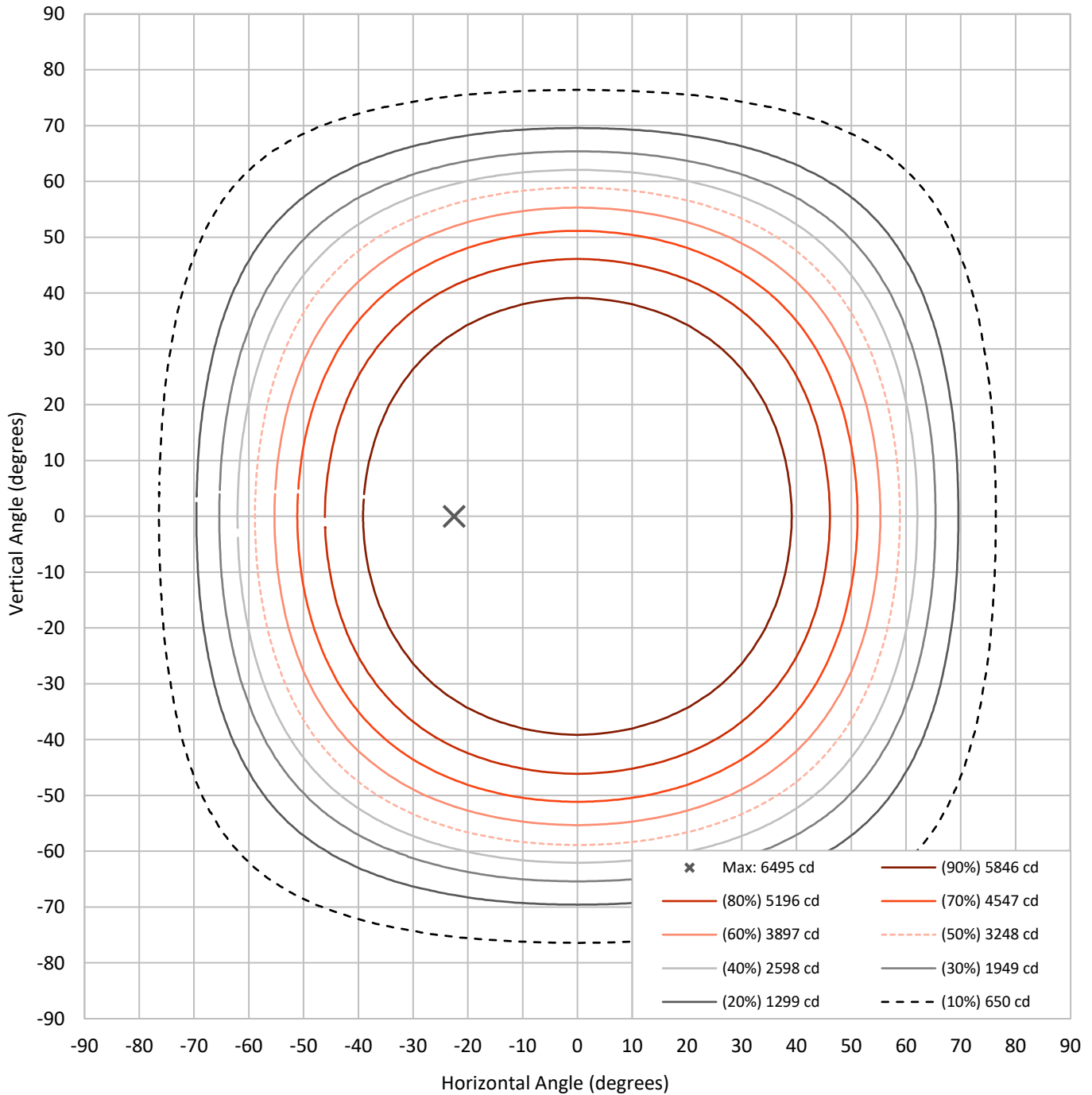
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	19868.6 lumens	Max Intensity:	6495 candela
Efficiency:	N/A	Max Intensity Angle:	-22.5°H x 0°V
Efficacy:	153.4 lumens/watt		
Luminous Opening:	Rectangular (W 1' 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:	16535 lumens	Field Lumens:	19477.9 lumens
Beam Efficiency:	83.2%	Field Efficiency:	98.0%
Input Watts (W):	129.5		
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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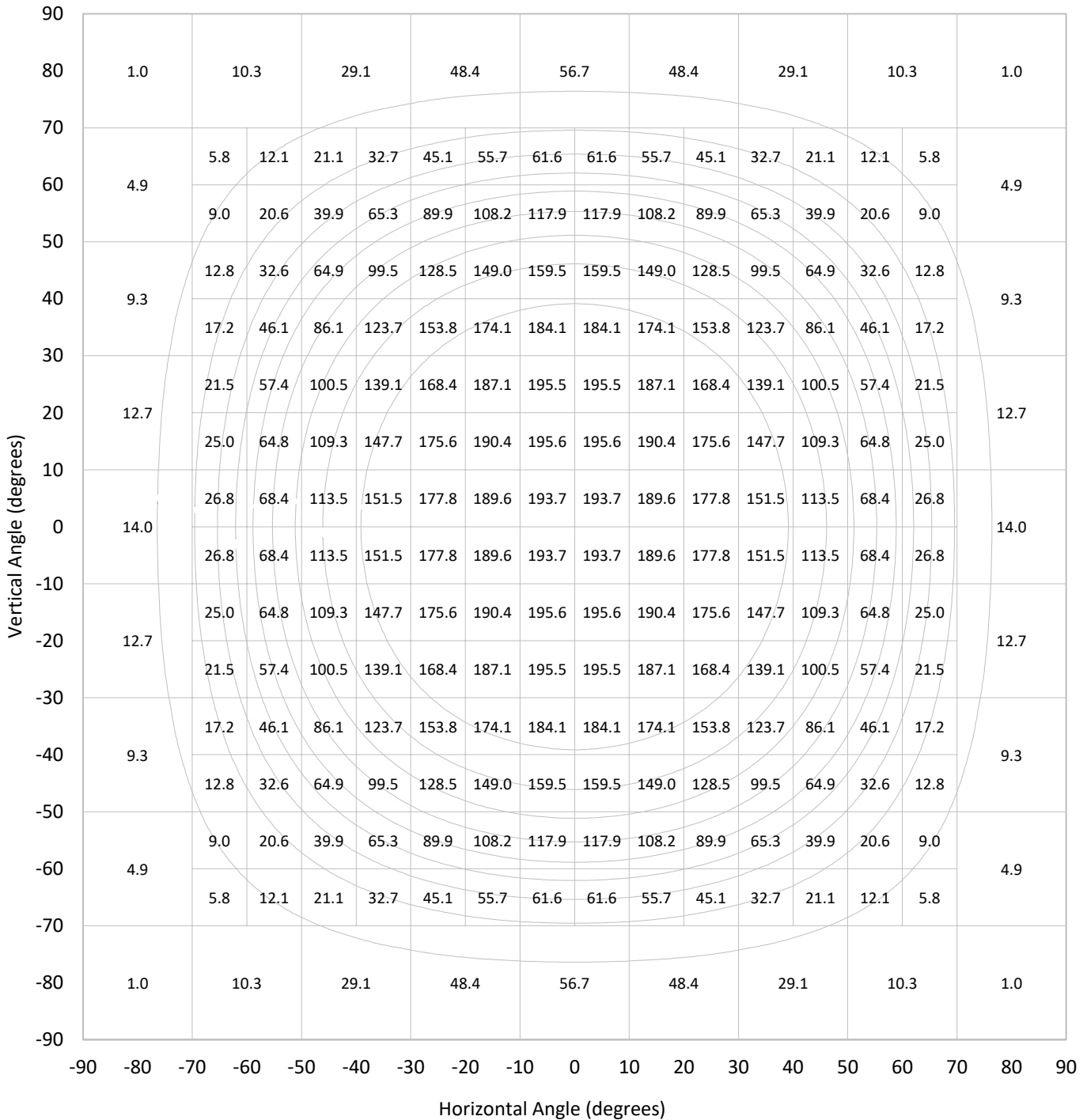
Iso-Candela Plot





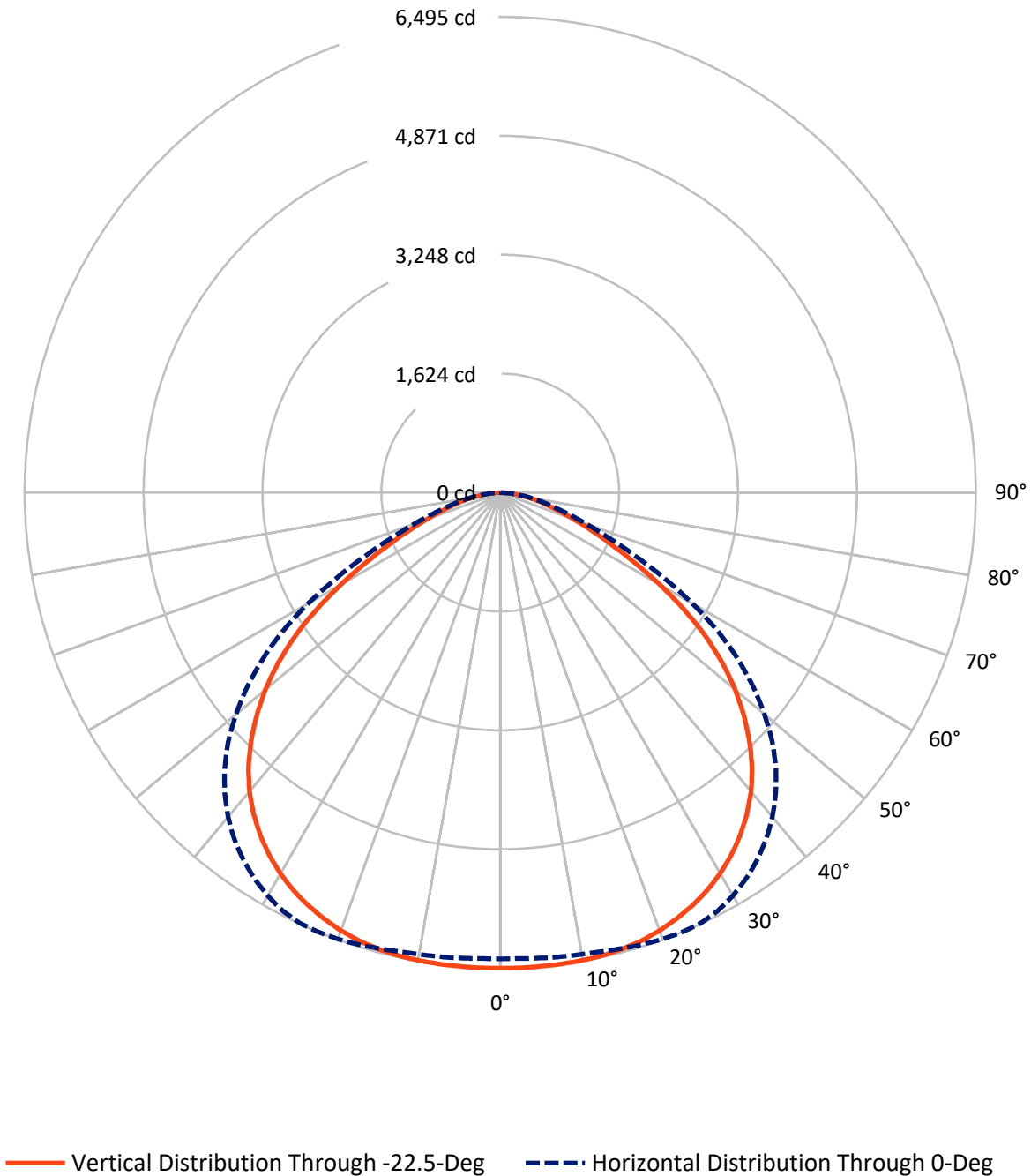
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Lumen Table



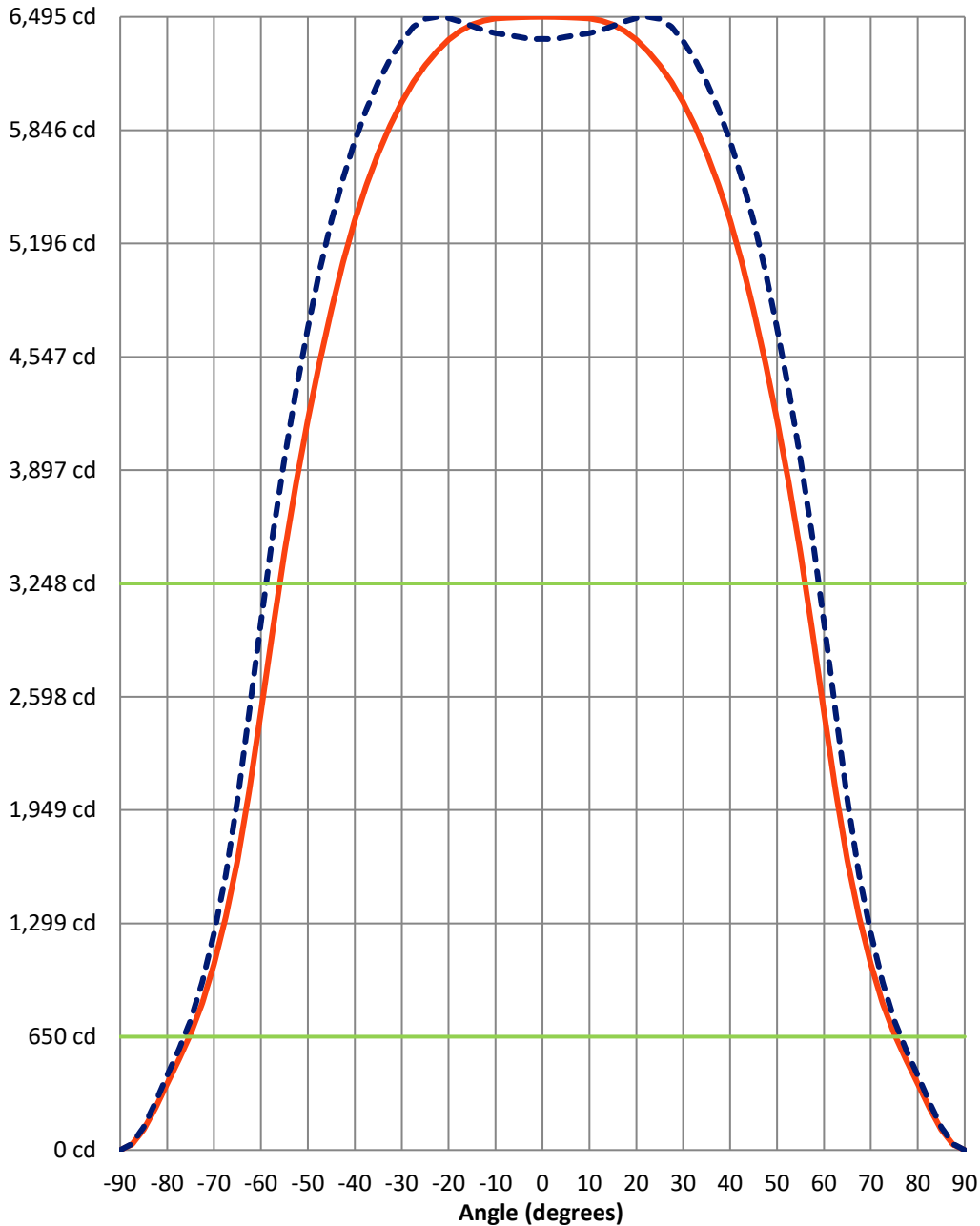
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 117.8°
 V Angle: 112°
 Lumens: 16535
 Efficiency: 83.2%

Field:
 H Angle: 152.8°
 V Angle: 150.5°
 Lumens: 19477.9
 Efficiency: 98.0%

Spill:
 Lumens: 390.8
 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	1.5	3.1	4.6	6.2	7.7	9.2	10.7	12.1	13.6	15.0
85°	0.0	3.1	6.2	9.3	12.3	15.3	18.4	21.3	24.3	27.1	30.0
82.5°	0.0	4.6	9.3	13.9	18.4	23.0	27.5	31.9	37.8	49.5	61.1
80°	0.0	6.2	12.3	18.4	24.5	30.6	38.4	54.6	70.5	86.2	101.6
77.5°	0.0	7.7	15.3	23.0	30.6	42.7	63.0	83.1	103.0	122.6	146.2
75°	0.0	9.2	18.4	27.5	38.4	63.0	87.4	111.5	136.6	170.7	204.2
72.5°	0.0	10.7	21.3	31.9	54.6	83.1	111.5	142.8	183.0	222.7	261.7
70°	0.0	12.1	24.3	37.8	70.5	103.0	136.6	183.0	228.9	274.2	323.1
67.5°	0.0	13.6	27.1	49.5	86.2	122.6	170.7	222.7	274.2	330.0	384.9
65°	0.0	15.0	30.0	61.1	101.6	146.2	204.2	261.7	323.1	384.9	444.9
62.5°	0.0	16.4	32.8	72.5	116.7	173.6	237.1	302.7	371.2	438.3	501.9
60°	0.0	17.7	35.5	83.5	131.5	200.5	269.3	344.0	418.3	488.8	557.8
57.5°	0.0	19.1	42.6	94.4	152.1	226.6	303.5	384.3	462.6	538.1	617.5
55°	0.0	20.4	49.6	104.9	172.5	252.2	337.2	423.6	505.4	587.6	678.1
52.5°	0.0	21.6	56.4	115.1	192.3	277.3	369.9	460.2	547.1	640.8	737.2
50°	0.0	22.8	63.0	125.0	211.5	303.7	401.6	495.5	589.0	692.3	810.5
47.5°	0.0	24.0	69.4	135.5	230.0	329.2	432.0	529.6	633.3	742.2	883.4
45°	0.0	25.1	75.5	148.8	247.7	353.7	460.0	562.4	675.9	805.0	953.7
42.5°	0.0	26.2	81.3	161.6	264.8	377.1	487.0	596.3	716.8	865.6	1036.6
40°	0.0	27.2	86.9	173.8	281.8	399.5	512.7	630.5	759.9	923.7	1118.4
37.5°	0.0	28.2	92.2	185.3	298.8	420.8	537.1	662.9	808.9	983.0	1196.5
35°	0.0	29.1	97.2	196.2	314.9	440.4	560.2	693.7	855.2	1049.3	1276.2
32.5°	0.0	29.9	101.9	206.5	330.0	458.4	582.9	722.6	898.9	1111.8	1359.9
30°	0.0	30.7	106.2	216.1	344.1	475.3	606.0	751.7	939.8	1170.3	1438.4
27.5°	0.0	31.5	110.3	225.0	357.2	491.0	627.4	784.7	981.5	1224.7	1511.5
25°	0.0	32.2	114.0	233.2	369.2	505.4	647.1	815.1	1025.8	1281.4	1579.7
22.5°	0.0	32.8	117.4	240.6	380.2	518.5	665.1	842.9	1066.2	1336.3	1659.5
20°	0.0	33.4	120.5	247.3	390.1	530.4	681.3	867.9	1102.6	1385.9	1731.5
17.5°	0.0	33.9	123.2	253.3	398.8	540.9	695.7	890.1	1135.0	1430.0	1795.5
15°	0.0	34.3	125.6	258.4	406.5	550.0	708.3	909.4	1163.2	1468.4	1851.4
12.5°	0.0	34.7	127.6	262.8	413.0	557.8	718.9	925.9	1187.2	1501.1	1899.0
10°	0.0	35.0	129.3	266.5	418.3	564.2	727.7	939.4	1206.9	1528.0	1938.2
7.5°	0.0	35.2	130.5	269.3	422.4	569.2	734.5	950.0	1222.3	1549.0	1968.7
5°	0.0	35.4	131.5	271.3	425.4	572.7	739.4	957.5	1233.4	1564.0	1990.6
2.5°	0.0	35.5	132.0	272.5	427.2	574.9	742.3	962.1	1240.0	1573.1	2003.8
0°	0.0	35.5	132.2	272.9	427.8	575.6	743.3	963.6	1242.2	1576.1	2008.2
-2.5°	0.0	35.5	132.0	272.5	427.2	574.9	742.3	962.1	1240.0	1573.1	2003.8
-5°	0.0	35.4	131.5	271.3	425.4	572.7	739.4	957.5	1233.4	1564.0	1990.6
-7.5°	0.0	35.2	130.5	269.3	422.4	569.2	734.5	950.0	1222.3	1549.0	1968.7
-10°	0.0	35.0	129.3	266.5	418.3	564.2	727.7	939.4	1206.9	1528.0	1938.2
-12.5°	0.0	34.7	127.6	262.8	413.0	557.8	718.9	925.9	1187.2	1501.1	1899.0
-15°	0.0	34.3	125.6	258.4	406.5	550.0	708.3	909.4	1163.2	1468.4	1851.4
-17.5°	0.0	33.9	123.2	253.3	398.8	540.9	695.7	890.1	1135.0	1430.0	1795.5
-20°	0.0	33.4	120.5	247.3	390.1	530.4	681.3	867.9	1102.6	1385.9	1731.5



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 CATALOG NUMBER: GFLD-SA4B-735-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	32.8	117.4	240.6	380.2	518.5	665.1	842.9	1066.2	1336.3	1659.5
-25°	0.0	32.2	114.0	233.2	369.2	505.4	647.1	815.1	1025.8	1281.4	1579.7
-27.5°	0.0	31.5	110.3	225.0	357.2	491.0	627.4	784.7	981.5	1224.7	1511.5
-30°	0.0	30.7	106.2	216.1	344.1	475.3	606.0	751.7	939.8	1170.3	1438.4
-32.5°	0.0	29.9	101.9	206.5	330.0	458.4	582.9	722.6	898.9	1111.8	1359.9
-35°	0.0	29.1	97.2	196.2	314.9	440.4	560.2	693.7	855.2	1049.3	1276.2
-37.5°	0.0	28.2	92.2	185.3	298.8	420.8	537.1	662.9	808.9	983.0	1196.5
-40°	0.0	27.2	86.9	173.8	281.8	399.5	512.7	630.5	759.9	923.7	1118.4
-42.5°	0.0	26.2	81.3	161.6	264.8	377.1	487.0	596.3	716.8	865.6	1036.6
-45°	0.0	25.1	75.5	148.8	247.7	353.7	460.0	562.4	675.9	805.0	953.7
-47.5°	0.0	24.0	69.4	135.5	230.0	329.2	432.0	529.6	633.3	742.2	883.4
-50°	0.0	22.8	63.0	125.0	211.5	303.7	401.6	495.5	589.0	692.3	810.5
-52.5°	0.0	21.6	56.4	115.1	192.3	277.3	369.9	460.2	547.1	640.8	737.2
-55°	0.0	20.4	49.6	104.9	172.5	252.2	337.2	423.6	505.4	587.6	678.1
-57.5°	0.0	19.1	42.6	94.4	152.1	226.6	303.5	384.3	462.6	538.1	617.5
-60°	0.0	17.7	35.5	83.5	131.5	200.5	269.3	344.0	418.3	488.8	557.8
-62.5°	0.0	16.4	32.8	72.5	116.7	173.6	237.1	302.7	371.2	438.3	501.9
-65°	0.0	15.0	30.0	61.1	101.6	146.2	204.2	261.7	323.1	384.9	444.9
-67.5°	0.0	13.6	27.1	49.5	86.2	122.6	170.7	222.7	274.2	330.0	384.9
-70°	0.0	12.1	24.3	37.8	70.5	103.0	136.6	183.0	228.9	274.2	323.1
-72.5°	0.0	10.7	21.3	31.9	54.6	83.1	111.5	142.8	183.0	222.7	261.7
-75°	0.0	9.2	18.4	27.5	38.4	63.0	87.4	111.5	136.6	170.7	204.2
-77.5°	0.0	7.7	15.3	23.0	30.6	42.7	63.0	83.1	103.0	122.6	146.2
-80°	0.0	6.2	12.3	18.4	24.5	30.6	38.4	54.6	70.5	86.2	101.6
-82.5°	0.0	4.6	9.3	13.9	18.4	23.0	27.5	31.9	37.8	49.5	61.1
-85°	0.0	3.1	6.2	9.3	12.3	15.3	18.4	21.3	24.3	27.1	30.0
-87.5°	0.0	1.5	3.1	4.6	6.2	7.7	9.2	10.7	12.1	13.6	15.0
-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: P645458 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4B-735-U-LAM-XX

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°	16.4	17.7	19.1	20.4	21.6	22.8	24.0	25.1	26.2	27.2	28.2
85°	32.8	35.5	42.6	49.6	56.4	63.0	69.4	75.5	81.3	86.9	92.2
82.5°	72.5	83.5	94.4	104.9	115.1	125.0	135.5	148.8	161.6	173.8	185.3
80°	116.7	131.5	152.1	172.5	192.3	211.5	230.0	247.7	264.8	281.8	298.8
77.5°	173.6	200.5	226.6	252.2	277.3	303.7	329.2	353.7	377.1	399.5	420.8
75°	237.1	269.3	303.5	337.2	369.9	401.6	432.0	460.0	487.0	512.7	537.1
72.5°	302.7	344.0	384.3	423.6	460.2	495.5	529.6	562.4	596.3	630.5	662.9
70°	371.2	418.3	462.6	505.4	547.1	589.0	633.3	675.9	716.8	759.9	808.9
67.5°	438.3	488.8	538.1	587.6	640.8	692.3	742.2	805.0	865.6	923.7	983.0
65°	501.9	557.8	617.5	678.1	737.2	810.5	883.4	953.7	1036.6	1118.4	1196.5
62.5°	564.4	632.5	700.7	774.8	860.1	943.0	1039.0	1137.1	1231.4	1337.7	1441.1
60°	632.5	708.3	794.8	890.1	988.2	1102.6	1213.5	1336.3	1460.1	1579.7	1726.6
57.5°	700.7	794.8	900.1	1013.7	1141.0	1269.5	1413.7	1553.3	1720.8	1888.1	2054.6
55°	774.8	890.1	1013.7	1153.9	1300.5	1460.5	1627.8	1822.8	2011.6	2221.9	2423.2
52.5°	860.1	988.2	1141.0	1300.5	1476.2	1668.7	1884.6	2107.9	2343.0	2571.3	2795.3
50°	943.0	1102.6	1269.5	1460.5	1668.7	1905.3	2156.4	2416.4	2673.1	2923.5	3158.0
47.5°	1039.0	1213.5	1413.7	1627.8	1884.6	2156.4	2441.0	2724.3	3001.2	3258.1	3504.1
45°	1137.1	1336.3	1553.3	1822.8	2107.9	2416.4	2724.3	3027.2	3308.5	3573.9	3806.1
42.5°	1231.4	1460.1	1720.8	2011.6	2343.0	2673.1	3001.2	3308.5	3596.7	3852.3	4085.5
40°	1337.7	1579.7	1888.1	2221.9	2571.3	2923.5	3258.1	3573.9	3852.3	4106.8	4343.0
37.5°	1441.1	1726.6	2054.6	2423.2	2795.3	3158.0	3504.1	3806.1	4085.5	4343.0	4569.6
35°	1539.4	1866.2	2231.4	2618.4	3009.0	3377.8	3714.6	4022.1	4299.7	4549.6	4781.3
32.5°	1648.6	1998.1	2398.8	2805.9	3203.7	3579.3	3913.2	4214.0	4490.0	4743.8	4973.8
30°	1761.2	2140.4	2557.6	2982.5	3386.6	3753.9	4087.3	4391.9	4665.7	4916.4	5141.8
27.5°	1866.2	2274.7	2709.2	3142.3	3553.7	3917.7	4246.6	4546.5	4821.9	5074.2	5292.7
25°	1963.1	2398.8	2849.4	3288.6	3694.3	4059.2	4391.1	4690.8	4964.6	5206.7	5419.1
22.5°	2058.8	2512.5	2978.0	3422.8	3823.5	4185.7	4514.6	4815.1	5089.0	5328.9	5532.7
20°	2151.8	2618.4	3091.4	3541.9	3940.8	4300.6	4627.0	4926.9	5193.5	5425.8	5628.7
17.5°	2234.6	2712.8	3190.6	3638.0	4037.2	4398.8	4726.5	5027.4	5287.6	5513.2	5711.6
15°	2306.9	2795.3	3277.4	3722.1	4120.1	4480.3	4808.0	5105.6	5364.1	5587.8	5784.8
12.5°	2368.5	2865.6	3351.4	3794.0	4191.0	4550.1	4877.9	5171.3	5425.4	5646.3	5839.0
10°	2419.2	2923.5	3412.4	3853.2	4249.5	4607.7	4935.6	5225.7	5476.3	5694.9	5884.2
7.5°	2458.8	2968.7	3460.1	3899.5	4295.3	4652.9	4980.9	5268.4	5516.3	5733.2	5919.8
5°	2487.1	3001.2	3494.3	3932.8	4328.2	4685.3	5013.5	5299.2	5545.2	5760.8	5945.5
2.5°	2504.2	3020.7	3514.9	3952.8	4348.0	4704.9	5033.1	5317.7	5562.6	5777.4	5961.1
0°	2509.9	3027.2	3521.8	3959.5	4354.6	4711.4	5039.7	5323.9	5568.4	5783.0	5966.3
-2.5°	2504.2	3020.7	3514.9	3952.8	4348.0	4704.9	5033.1	5317.7	5562.6	5777.4	5961.1
-5°	2487.1	3001.2	3494.3	3932.8	4328.2	4685.3	5013.5	5299.2	5545.2	5760.8	5945.5
-7.5°	2458.8	2968.7	3460.1	3899.5	4295.3	4652.9	4980.9	5268.4	5516.3	5733.2	5919.8
-10°	2419.2	2923.5	3412.4	3853.2	4249.5	4607.7	4935.6	5225.7	5476.3	5694.9	5884.2
-12.5°	2368.5	2865.6	3351.4	3794.0	4191.0	4550.1	4877.9	5171.3	5425.4	5646.3	5839.0
-15°	2306.9	2795.3	3277.4	3722.1	4120.1	4480.3	4808.0	5105.6	5364.1	5587.8	5784.8
-17.5°	2234.6	2712.8	3190.6	3638.0	4037.2	4398.8	4726.5	5027.4	5287.6	5513.2	5711.6
-20°	2151.8	2618.4	3091.4	3541.9	3940.8	4300.6	4627.0	4926.9	5193.5	5425.8	5628.7



REPORT NUMBER: P645458 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4B-735-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°	2058.8	2512.5	2978.0	3422.8	3823.5	4185.7	4514.6	4815.1	5089.0	5328.9	5532.7
-25°	1963.1	2398.8	2849.4	3288.6	3694.3	4059.2	4391.1	4690.8	4964.6	5206.7	5419.1
-27.5°	1866.2	2274.7	2709.2	3142.3	3553.7	3917.7	4246.6	4546.5	4821.9	5074.2	5292.7
-30°	1761.2	2140.4	2557.6	2982.5	3386.6	3753.9	4087.3	4391.9	4665.7	4916.4	5141.8
-32.5°	1648.6	1998.1	2398.8	2805.9	3203.7	3579.3	3913.2	4214.0	4490.0	4743.8	4973.8
-35°	1539.4	1866.2	2231.4	2618.4	3009.0	3377.8	3714.6	4022.1	4299.7	4549.6	4781.3
-37.5°	1441.1	1726.6	2054.6	2423.2	2795.3	3158.0	3504.1	3806.1	4085.5	4343.0	4569.6
-40°	1337.7	1579.7	1888.1	2221.9	2571.3	2923.5	3258.1	3573.9	3852.3	4106.8	4343.0
-42.5°	1231.4	1460.1	1720.8	2011.6	2343.0	2673.1	3001.2	3308.5	3596.7	3852.3	4085.5
-45°	1137.1	1336.3	1553.3	1822.8	2107.9	2416.4	2724.3	3027.2	3308.5	3573.9	3806.1
-47.5°	1039.0	1213.5	1413.7	1627.8	1884.6	2156.4	2441.0	2724.3	3001.2	3258.1	3504.1
-50°	943.0	1102.6	1269.5	1460.5	1668.7	1905.3	2156.4	2416.4	2673.1	2923.5	3158.0
-52.5°	860.1	988.2	1141.0	1300.5	1476.2	1668.7	1884.6	2107.9	2343.0	2571.3	2795.3
-55°	774.8	890.1	1013.7	1153.9	1300.5	1460.5	1627.8	1822.8	2011.6	2221.9	2423.2
-57.5°	700.7	794.8	900.1	1013.7	1141.0	1269.5	1413.7	1553.3	1720.8	1888.1	2054.6
-60°	632.5	708.3	794.8	890.1	988.2	1102.6	1213.5	1336.3	1460.1	1579.7	1726.6
-62.5°	564.4	632.5	700.7	774.8	860.1	943.0	1039.0	1137.1	1231.4	1337.7	1441.1
-65°	501.9	557.8	617.5	678.1	737.2	810.5	883.4	953.7	1036.6	1118.4	1196.5
-67.5°	438.3	488.8	538.1	587.6	640.8	692.3	742.2	805.0	865.6	923.7	983.0
-70°	371.2	418.3	462.6	505.4	547.1	589.0	633.3	675.9	716.8	759.9	808.9
-72.5°	302.7	344.0	384.3	423.6	460.2	495.5	529.6	562.4	596.3	630.5	662.9
-75°	237.1	269.3	303.5	337.2	369.9	401.6	432.0	460.0	487.0	512.7	537.1
-77.5°	173.6	200.5	226.6	252.2	277.3	303.7	329.2	353.7	377.1	399.5	420.8
-80°	116.7	131.5	152.1	172.5	192.3	211.5	230.0	247.7	264.8	281.8	298.8
-82.5°	72.5	83.5	94.4	104.9	115.1	125.0	135.5	148.8	161.6	173.8	185.3
-85°	32.8	35.5	42.6	49.6	56.4	63.0	69.4	75.5	81.3	86.9	92.2
-87.5°	16.4	17.7	19.1	20.4	21.6	22.8	24.0	25.1	26.2	27.2	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: P645458 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4B-735-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°	29.1	29.9	30.7	31.5	32.2	32.8	33.4	33.9	34.3	34.7	35.0
85°	97.2	101.9	106.2	110.3	114.0	117.4	120.5	123.2	125.6	127.6	129.3
82.5°	196.2	206.5	216.1	225.0	233.2	240.6	247.3	253.3	258.4	262.8	266.5
80°	314.9	330.0	344.1	357.2	369.2	380.2	390.1	398.8	406.5	413.0	418.3
77.5°	440.4	458.4	475.3	491.0	505.4	518.5	530.4	540.9	550.0	557.8	564.2
75°	560.2	582.9	606.0	627.4	647.1	665.1	681.3	695.7	708.3	718.9	727.7
72.5°	693.7	722.6	751.7	784.7	815.1	842.9	867.9	890.1	909.4	925.9	939.4
70°	855.2	898.9	939.8	981.5	1025.8	1066.2	1102.6	1135.0	1163.2	1187.2	1206.9
67.5°	1049.3	1111.8	1170.3	1224.7	1281.4	1336.3	1385.9	1430.0	1468.4	1501.1	1528.0
65°	1276.2	1359.9	1438.4	1511.5	1579.7	1659.5	1731.5	1795.5	1851.4	1899.0	1938.2
62.5°	1539.4	1648.6	1761.2	1866.2	1963.1	2058.8	2151.8	2234.6	2306.9	2368.5	2419.2
60°	1866.2	1998.1	2140.4	2274.7	2398.8	2512.5	2618.4	2712.8	2795.3	2865.6	2923.5
57.5°	2231.4	2398.8	2557.6	2709.2	2849.4	2978.0	3091.4	3190.6	3277.4	3351.4	3412.4
55°	2618.4	2805.9	2982.5	3142.3	3288.6	3422.8	3541.9	3638.0	3722.1	3794.0	3853.2
52.5°	3009.0	3203.7	3386.6	3553.7	3694.3	3823.5	3940.8	4037.2	4120.1	4191.0	4249.5
50°	3377.8	3579.3	3753.9	3917.7	4059.2	4185.7	4300.6	4398.8	4480.3	4550.1	4607.7
47.5°	3714.6	3913.2	4087.3	4246.6	4391.1	4514.6	4627.0	4726.5	4808.0	4877.9	4935.6
45°	4022.1	4214.0	4391.9	4546.5	4690.8	4815.1	4926.9	5027.4	5105.6	5171.3	5225.7
42.5°	4299.7	4490.0	4665.7	4821.9	4964.6	5089.0	5193.5	5287.6	5364.1	5425.4	5476.3
40°	4549.6	4743.8	4916.4	5074.2	5206.7	5328.9	5425.8	5513.2	5587.8	5646.3	5694.9
37.5°	4781.3	4973.8	5141.8	5292.7	5419.1	5532.7	5628.7	5711.6	5784.8	5839.0	5884.2
35°	4993.1	5176.0	5342.2	5480.6	5605.9	5712.8	5807.3	5883.8	5951.7	6003.4	6044.6
32.5°	5176.0	5357.3	5511.7	5647.9	5770.2	5870.0	5960.6	6030.7	6092.4	6142.1	6180.4
30°	5342.2	5511.7	5662.0	5796.9	5908.4	6005.6	6087.2	6155.6	6212.6	6260.1	6293.7
27.5°	5480.6	5647.9	5796.9	5921.3	6028.0	6121.6	6196.3	6262.1	6311.9	6355.5	6384.5
25°	5605.9	5770.2	5908.4	6028.0	6131.5	6217.0	6288.1	6347.7	6391.8	6429.3	6450.8
22.5°	5712.8	5870.0	6005.6	6121.6	6217.0	6296.9	6363.8	6414.4	6450.5	6473.1	6485.8
20°	5807.3	5960.6	6087.2	6196.3	6288.1	6363.8	6422.0	6459.3	6484.4	6490.7	6494.3
17.5°	5883.8	6030.7	6155.6	6262.1	6347.7	6414.4	6459.3	6485.6	6493.2	6491.9	6488.1
15°	5951.7	6092.4	6212.6	6311.9	6391.8	6450.5	6484.4	6493.2	6491.0	6483.4	6471.7
12.5°	6003.4	6142.1	6260.1	6355.5	6429.3	6473.1	6490.7	6491.9	6483.4	6468.9	6452.2
10°	6044.6	6180.4	6293.7	6384.5	6450.8	6485.8	6494.3	6488.1	6471.7	6452.2	6433.8
7.5°	6077.2	6210.8	6320.5	6407.6	6464.9	6489.7	6491.6	6479.9	6460.1	6438.0	6418.1
5°	6100.8	6232.8	6339.9	6424.5	6475.2	6492.6	6489.6	6473.4	6450.5	6427.4	6409.2
2.5°	6115.0	6246.1	6351.7	6434.7	6481.5	6494.4	6488.3	6469.4	6444.5	6420.6	6403.3
0°	6119.8	6250.6	6355.7	6438.2	6483.6	6495.0	6487.9	6468.0	6442.4	6418.3	6401.2
-2.5°	6115.0	6246.1	6351.7	6434.7	6481.5	6494.4	6488.3	6469.4	6444.5	6420.6	6403.3
-5°	6100.8	6232.8	6339.9	6424.5	6475.2	6492.6	6489.6	6473.4	6450.5	6427.4	6409.2
-7.5°	6077.2	6210.8	6320.5	6407.6	6464.9	6489.7	6491.6	6479.9	6460.1	6438.0	6418.1
-10°	6044.6	6180.4	6293.7	6384.5	6450.8	6485.8	6494.3	6488.1	6471.7	6452.2	6433.8
-12.5°	6003.4	6142.1	6260.1	6355.5	6429.3	6473.1	6490.7	6491.9	6483.4	6468.9	6452.2
-15°	5951.7	6092.4	6212.6	6311.9	6391.8	6450.5	6484.4	6493.2	6491.0	6483.4	6471.7
-17.5°	5883.8	6030.7	6155.6	6262.1	6347.7	6414.4	6459.3	6485.6	6493.2	6491.9	6488.1
-20°	5807.3	5960.6	6087.2	6196.3	6288.1	6363.8	6422.0	6459.3	6484.4	6490.7	6494.3



REPORT NUMBER: P645458 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4B-735-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	5712.8	5870.0	6005.6	6121.6	6217.0	6296.9	6363.8	6414.4	6450.5	6473.1	6485.8
-25°	5605.9	5770.2	5908.4	6028.0	6131.5	6217.0	6288.1	6347.7	6391.8	6429.3	6450.8
-27.5°	5480.6	5647.9	5796.9	5921.3	6028.0	6121.6	6196.3	6262.1	6311.9	6355.5	6384.5
-30°	5342.2	5511.7	5662.0	5796.9	5908.4	6005.6	6087.2	6155.6	6212.6	6260.1	6293.7
-32.5°	5176.0	5357.3	5511.7	5647.9	5770.2	5870.0	5960.6	6030.7	6092.4	6142.1	6180.4
-35°	4993.1	5176.0	5342.2	5480.6	5605.9	5712.8	5807.3	5883.8	5951.7	6003.4	6044.6
-37.5°	4781.3	4973.8	5141.8	5292.7	5419.1	5532.7	5628.7	5711.6	5784.8	5839.0	5884.2
-40°	4549.6	4743.8	4916.4	5074.2	5206.7	5328.9	5425.8	5513.2	5587.8	5646.3	5694.9
-42.5°	4299.7	4490.0	4665.7	4821.9	4964.6	5089.0	5193.5	5287.6	5364.1	5425.4	5476.3
-45°	4022.1	4214.0	4391.9	4546.5	4690.8	4815.1	4926.9	5027.4	5105.6	5171.3	5225.7
-47.5°	3714.6	3913.2	4087.3	4246.6	4391.1	4514.6	4627.0	4726.5	4808.0	4877.9	4935.6
-50°	3377.8	3579.3	3753.9	3917.7	4059.2	4185.7	4300.6	4398.8	4480.3	4550.1	4607.7
-52.5°	3009.0	3203.7	3386.6	3553.7	3694.3	3823.5	3940.8	4037.2	4120.1	4191.0	4249.5
-55°	2618.4	2805.9	2982.5	3142.3	3288.6	3422.8	3541.9	3638.0	3722.1	3794.0	3853.2
-57.5°	2231.4	2398.8	2557.6	2709.2	2849.4	2978.0	3091.4	3190.6	3277.4	3351.4	3412.4
-60°	1866.2	1998.1	2140.4	2274.7	2398.8	2512.5	2618.4	2712.8	2795.3	2865.6	2923.5
-62.5°	1539.4	1648.6	1761.2	1866.2	1963.1	2058.8	2151.8	2234.6	2306.9	2368.5	2419.2
-65°	1276.2	1359.9	1438.4	1511.5	1579.7	1659.5	1731.5	1795.5	1851.4	1899.0	1938.2
-67.5°	1049.3	1111.8	1170.3	1224.7	1281.4	1336.3	1385.9	1430.0	1468.4	1501.1	1528.0
-70°	855.2	898.9	939.8	981.5	1025.8	1066.2	1102.6	1135.0	1163.2	1187.2	1206.9
-72.5°	693.7	722.6	751.7	784.7	815.1	842.9	867.9	890.1	909.4	925.9	939.4
-75°	560.2	582.9	606.0	627.4	647.1	665.1	681.3	695.7	708.3	718.9	727.7
-77.5°	440.4	458.4	475.3	491.0	505.4	518.5	530.4	540.9	550.0	557.8	564.2
-80°	314.9	330.0	344.1	357.2	369.2	380.2	390.1	398.8	406.5	413.0	418.3
-82.5°	196.2	206.5	216.1	225.0	233.2	240.6	247.3	253.3	258.4	262.8	266.5
-85°	97.2	101.9	106.2	110.3	114.0	117.4	120.5	123.2	125.6	127.6	129.3
-87.5°	29.1	29.9	30.7	31.5	32.2	32.8	33.4	33.9	34.3	34.7	35.0
-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: P645458 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4B-735-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°	35.2	35.4	35.5	35.5	35.5	35.4	35.2	35.0	34.7	34.3	33.9
85°	130.5	131.5	132.0	132.2	132.0	131.5	130.5	129.3	127.6	125.6	123.2
82.5°	269.3	271.3	272.5	272.9	272.5	271.3	269.3	266.5	262.8	258.4	253.3
80°	422.4	425.4	427.2	427.8	427.2	425.4	422.4	418.3	413.0	406.5	398.8
77.5°	569.2	572.7	574.9	575.6	574.9	572.7	569.2	564.2	557.8	550.0	540.9
75°	734.5	739.4	742.3	743.3	742.3	739.4	734.5	727.7	718.9	708.3	695.7
72.5°	950.0	957.5	962.1	963.6	962.1	957.5	950.0	939.4	925.9	909.4	890.1
70°	1222.3	1233.4	1240.0	1242.2	1240.0	1233.4	1222.3	1206.9	1187.2	1163.2	1135.0
67.5°	1549.0	1564.0	1573.1	1576.1	1573.1	1564.0	1549.0	1528.0	1501.1	1468.4	1430.0
65°	1968.7	1990.6	2003.8	2008.2	2003.8	1990.6	1968.7	1938.2	1899.0	1851.4	1795.5
62.5°	2458.8	2487.1	2504.2	2509.9	2504.2	2487.1	2458.8	2419.2	2368.5	2306.9	2234.6
60°	2968.7	3001.2	3020.7	3027.2	3020.7	3001.2	2968.7	2923.5	2865.6	2795.3	2712.8
57.5°	3460.1	3494.3	3514.9	3521.8	3514.9	3494.3	3460.1	3412.4	3351.4	3277.4	3190.6
55°	3899.5	3932.8	3952.8	3959.5	3952.8	3932.8	3899.5	3853.2	3794.0	3722.1	3638.0
52.5°	4295.3	4328.2	4348.0	4354.6	4348.0	4328.2	4295.3	4249.5	4191.0	4120.1	4037.2
50°	4652.9	4685.3	4704.9	4711.4	4704.9	4685.3	4652.9	4607.7	4550.1	4480.3	4398.8
47.5°	4980.9	5013.5	5033.1	5039.7	5033.1	5013.5	4980.9	4935.6	4877.9	4808.0	4726.5
45°	5268.4	5299.2	5317.7	5323.9	5317.7	5299.2	5268.4	5225.7	5171.3	5105.6	5027.4
42.5°	5516.3	5545.2	5562.6	5568.4	5562.6	5545.2	5516.3	5476.3	5425.4	5364.1	5287.6
40°	5733.2	5760.8	5777.4	5783.0	5777.4	5760.8	5733.2	5694.9	5646.3	5587.8	5513.2
37.5°	5919.8	5945.5	5961.1	5966.3	5961.1	5945.5	5919.8	5884.2	5839.0	5784.8	5711.6
35°	6077.2	6100.8	6115.0	6119.8	6115.0	6100.8	6077.2	6044.6	6003.4	5951.7	5883.8
32.5°	6210.8	6232.8	6246.1	6250.6	6246.1	6232.8	6210.8	6180.4	6142.1	6092.4	6030.7
30°	6320.5	6339.9	6351.7	6355.7	6351.7	6339.9	6320.5	6293.7	6260.1	6212.6	6155.6
27.5°	6407.6	6424.5	6434.7	6438.2	6434.7	6424.5	6407.6	6384.5	6355.5	6311.9	6262.1
25°	6464.9	6475.2	6481.5	6483.6	6481.5	6475.2	6464.9	6450.8	6429.3	6391.8	6347.7
22.5°	6489.7	6492.6	6494.4	6495.0	6494.4	6492.6	6489.7	6485.8	6473.1	6450.5	6414.4
20°	6491.6	6489.6	6488.3	6487.9	6488.3	6489.6	6491.6	6494.3	6490.7	6484.4	6459.3
17.5°	6479.9	6473.4	6469.4	6468.0	6469.4	6473.4	6479.9	6488.1	6491.9	6493.2	6485.6
15°	6460.1	6450.5	6444.5	6442.4	6444.5	6450.5	6460.1	6471.7	6483.4	6491.0	6493.2
12.5°	6438.0	6427.4	6420.6	6418.3	6420.6	6427.4	6438.0	6452.2	6468.9	6483.4	6491.9
10°	6418.1	6409.2	6403.3	6401.2	6403.3	6409.2	6418.1	6433.8	6452.2	6471.7	6488.1
7.5°	6405.2	6397.3	6392.9	6391.3	6392.9	6397.3	6405.2	6418.1	6438.0	6460.1	6479.9
5°	6397.3	6389.3	6382.6	6379.9	6382.6	6389.3	6397.3	6409.2	6427.4	6450.5	6473.4
2.5°	6392.9	6382.6	6372.4	6367.1	6372.4	6382.6	6392.9	6403.3	6420.6	6444.5	6469.4
0°	6391.3	6379.9	6367.1	6368.5	6367.1	6379.9	6391.3	6401.2	6418.3	6442.4	6468.0
-2.5°	6392.9	6382.6	6372.4	6367.1	6372.4	6382.6	6392.9	6403.3	6420.6	6444.5	6469.4
-5°	6397.3	6389.3	6382.6	6379.9	6382.6	6389.3	6397.3	6409.2	6427.4	6450.5	6473.4
-7.5°	6405.2	6397.3	6392.9	6391.3	6392.9	6397.3	6405.2	6418.1	6438.0	6460.1	6479.9
-10°	6418.1	6409.2	6403.3	6401.2	6403.3	6409.2	6418.1	6433.8	6452.2	6471.7	6488.1
-12.5°	6438.0	6427.4	6420.6	6418.3	6420.6	6427.4	6438.0	6452.2	6468.9	6483.4	6491.9
-15°	6460.1	6450.5	6444.5	6442.4	6444.5	6450.5	6460.1	6471.7	6483.4	6491.0	6493.2
-17.5°	6479.9	6473.4	6469.4	6468.0	6469.4	6473.4	6479.9	6488.1	6491.9	6493.2	6485.6
-20°	6491.6	6489.6	6488.3	6487.9	6488.3	6489.6	6491.6	6494.3	6490.7	6484.4	6459.3



REPORT NUMBER: P645458 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4B-735-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°	6489.7	6492.6	6494.4	6495.0	6494.4	6492.6	6489.7	6485.8	6473.1	6450.5	6414.4
-25°	6464.9	6475.2	6481.5	6483.6	6481.5	6475.2	6464.9	6450.8	6429.3	6391.8	6347.7
-27.5°	6407.6	6424.5	6434.7	6438.2	6434.7	6424.5	6407.6	6384.5	6355.5	6311.9	6262.1
-30°	6320.5	6339.9	6351.7	6355.7	6351.7	6339.9	6320.5	6293.7	6260.1	6212.6	6155.6
-32.5°	6210.8	6232.8	6246.1	6250.6	6246.1	6232.8	6210.8	6180.4	6142.1	6092.4	6030.7
-35°	6077.2	6100.8	6115.0	6119.8	6115.0	6100.8	6077.2	6044.6	6003.4	5951.7	5883.8
-37.5°	5919.8	5945.5	5961.1	5966.3	5961.1	5945.5	5919.8	5884.2	5839.0	5784.8	5711.6
-40°	5733.2	5760.8	5777.4	5783.0	5777.4	5760.8	5733.2	5694.9	5646.3	5587.8	5513.2
-42.5°	5516.3	5545.2	5562.6	5568.4	5562.6	5545.2	5516.3	5476.3	5425.4	5364.1	5287.6
-45°	5268.4	5299.2	5317.7	5323.9	5317.7	5299.2	5268.4	5225.7	5171.3	5105.6	5027.4
-47.5°	4980.9	5013.5	5033.1	5039.7	5033.1	5013.5	4980.9	4935.6	4877.9	4808.0	4726.5
-50°	4652.9	4685.3	4704.9	4711.4	4704.9	4685.3	4652.9	4607.7	4550.1	4480.3	4398.8
-52.5°	4295.3	4328.2	4348.0	4354.6	4348.0	4328.2	4295.3	4249.5	4191.0	4120.1	4037.2
-55°	3899.5	3932.8	3952.8	3959.5	3952.8	3932.8	3899.5	3853.2	3794.0	3722.1	3638.0
-57.5°	3460.1	3494.3	3514.9	3521.8	3514.9	3494.3	3460.1	3412.4	3351.4	3277.4	3190.6
-60°	2968.7	3001.2	3020.7	3027.2	3020.7	3001.2	2968.7	2923.5	2865.6	2795.3	2712.8
-62.5°	2458.8	2487.1	2504.2	2509.9	2504.2	2487.1	2458.8	2419.2	2368.5	2306.9	2234.6
-65°	1968.7	1990.6	2003.8	2008.2	2003.8	1990.6	1968.7	1938.2	1899.0	1851.4	1795.5
-67.5°	1549.0	1564.0	1573.1	1576.1	1573.1	1564.0	1549.0	1528.0	1501.1	1468.4	1430.0
-70°	1222.3	1233.4	1240.0	1242.2	1240.0	1233.4	1222.3	1206.9	1187.2	1163.2	1135.0
-72.5°	950.0	957.5	962.1	963.6	962.1	957.5	950.0	939.4	925.9	909.4	890.1
-75°	734.5	739.4	742.3	743.3	742.3	739.4	734.5	727.7	718.9	708.3	695.7
-77.5°	569.2	572.7	574.9	575.6	574.9	572.7	569.2	564.2	557.8	550.0	540.9
-80°	422.4	425.4	427.2	427.8	427.2	425.4	422.4	418.3	413.0	406.5	398.8
-82.5°	269.3	271.3	272.5	272.9	272.5	271.3	269.3	266.5	262.8	258.4	253.3
-85°	130.5	131.5	132.0	132.2	132.0	131.5	130.5	129.3	127.6	125.6	123.2
-87.5°	35.2	35.4	35.5	35.5	35.5	35.4	35.2	35.0	34.7	34.3	33.9
-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: P645458 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4B-735-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°	33.4	32.8	32.2	31.5	30.7	29.9	29.1	28.2	27.2	26.2	25.1
85°	120.5	117.4	114.0	110.3	106.2	101.9	97.2	92.2	86.9	81.3	75.5
82.5°	247.3	240.6	233.2	225.0	216.1	206.5	196.2	185.3	173.8	161.6	148.8
80°	390.1	380.2	369.2	357.2	344.1	330.0	314.9	298.8	281.8	264.8	247.7
77.5°	530.4	518.5	505.4	491.0	475.3	458.4	440.4	420.8	399.5	377.1	353.7
75°	681.3	665.1	647.1	627.4	606.0	582.9	560.2	537.1	512.7	487.0	460.0
72.5°	867.9	842.9	815.1	784.7	751.7	722.6	693.7	662.9	630.5	596.3	562.4
70°	1102.6	1066.2	1025.8	981.5	939.8	898.9	855.2	808.9	759.9	716.8	675.9
67.5°	1385.9	1336.3	1281.4	1224.7	1170.3	1111.8	1049.3	983.0	923.7	865.6	805.0
65°	1731.5	1659.5	1579.7	1511.5	1438.4	1359.9	1276.2	1196.5	1118.4	1036.6	953.7
62.5°	2151.8	2058.8	1963.1	1866.2	1761.2	1648.6	1539.4	1441.1	1337.7	1231.4	1137.1
60°	2618.4	2512.5	2398.8	2274.7	2140.4	1998.1	1866.2	1726.6	1579.7	1460.1	1336.3
57.5°	3091.4	2978.0	2849.4	2709.2	2557.6	2398.8	2231.4	2054.6	1888.1	1720.8	1553.3
55°	3541.9	3422.8	3288.6	3142.3	2982.5	2805.9	2618.4	2423.2	2221.9	2011.6	1822.8
52.5°	3940.8	3823.5	3694.3	3553.7	3386.6	3203.7	3009.0	2795.3	2571.3	2343.0	2107.9
50°	4300.6	4185.7	4059.2	3917.7	3753.9	3579.3	3377.8	3158.0	2923.5	2673.1	2416.4
47.5°	4627.0	4514.6	4391.1	4246.6	4087.3	3913.2	3714.6	3504.1	3258.1	3001.2	2724.3
45°	4926.9	4815.1	4690.8	4546.5	4391.9	4214.0	4022.1	3806.1	3573.9	3308.5	3027.2
42.5°	5193.5	5089.0	4964.6	4821.9	4665.7	4490.0	4299.7	4085.5	3852.3	3596.7	3308.5
40°	5425.8	5328.9	5206.7	5074.2	4916.4	4743.8	4549.6	4343.0	4106.8	3852.3	3573.9
37.5°	5628.7	5532.7	5419.1	5292.7	5141.8	4973.8	4781.3	4569.6	4343.0	4085.5	3806.1
35°	5807.3	5712.8	5605.9	5480.6	5342.2	5176.0	4993.1	4781.3	4549.6	4299.7	4022.1
32.5°	5960.6	5870.0	5770.2	5647.9	5511.7	5357.3	5176.0	4973.8	4743.8	4490.0	4214.0
30°	6087.2	6005.6	5908.4	5796.9	5662.0	5511.7	5342.2	5141.8	4916.4	4665.7	4391.9
27.5°	6196.3	6121.6	6028.0	5921.3	5796.9	5647.9	5480.6	5292.7	5074.2	4821.9	4546.5
25°	6288.1	6217.0	6131.5	6028.0	5908.4	5770.2	5605.9	5419.1	5206.7	4964.6	4690.8
22.5°	6363.8	6296.9	6217.0	6121.6	6005.6	5870.0	5712.8	5532.7	5328.9	5089.0	4815.1
20°	6422.0	6363.8	6288.1	6196.3	6087.2	5960.6	5807.3	5628.7	5425.8	5193.5	4926.9
17.5°	6459.3	6414.4	6347.7	6262.1	6155.6	6030.7	5883.8	5711.6	5513.2	5287.6	5027.4
15°	6484.4	6450.5	6391.8	6311.9	6212.6	6092.4	5951.7	5784.8	5587.8	5364.1	5105.6
12.5°	6490.7	6473.1	6429.3	6355.5	6260.1	6142.1	6003.4	5839.0	5646.3	5425.4	5171.3
10°	6494.3	6485.8	6450.8	6384.5	6293.7	6180.4	6044.6	5884.2	5694.9	5476.3	5225.7
7.5°	6491.6	6489.7	6464.9	6407.6	6320.5	6210.8	6077.2	5919.8	5733.2	5516.3	5268.4
5°	6489.6	6492.6	6475.2	6424.5	6339.9	6232.8	6100.8	5945.5	5760.8	5545.2	5299.2
2.5°	6488.3	6494.4	6481.5	6434.7	6351.7	6246.1	6115.0	5961.1	5777.4	5562.6	5317.7
0°	6487.9	6495.0	6483.6	6438.2	6355.7	6250.6	6119.8	5966.3	5783.0	5568.4	5323.9
-2.5°	6488.3	6494.4	6481.5	6434.7	6351.7	6246.1	6115.0	5961.1	5777.4	5562.6	5317.7
-5°	6489.6	6492.6	6475.2	6424.5	6339.9	6232.8	6100.8	5945.5	5760.8	5545.2	5299.2
-7.5°	6491.6	6489.7	6464.9	6407.6	6320.5	6210.8	6077.2	5919.8	5733.2	5516.3	5268.4
-10°	6494.3	6485.8	6450.8	6384.5	6293.7	6180.4	6044.6	5884.2	5694.9	5476.3	5225.7
-12.5°	6490.7	6473.1	6429.3	6355.5	6260.1	6142.1	6003.4	5839.0	5646.3	5425.4	5171.3
-15°	6484.4	6450.5	6391.8	6311.9	6212.6	6092.4	5951.7	5784.8	5587.8	5364.1	5105.6
-17.5°	6459.3	6414.4	6347.7	6262.1	6155.6	6030.7	5883.8	5711.6	5513.2	5287.6	5027.4
-20°	6422.0	6363.8	6288.1	6196.3	6087.2	5960.6	5807.3	5628.7	5425.8	5193.5	4926.9

Classified

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

Scaled Data Report



REPORT NUMBER: P645458 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4B-735-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	6363.8	6296.9	6217.0	6121.6	6005.6	5870.0	5712.8	5532.7	5328.9	5089.0	4815.1
-25°	6288.1	6217.0	6131.5	6028.0	5908.4	5770.2	5605.9	5419.1	5206.7	4964.6	4690.8
-27.5°	6196.3	6121.6	6028.0	5921.3	5796.9	5647.9	5480.6	5292.7	5074.2	4821.9	4546.5
-30°	6087.2	6005.6	5908.4	5796.9	5662.0	5511.7	5342.2	5141.8	4916.4	4665.7	4391.9
-32.5°	5960.6	5870.0	5770.2	5647.9	5511.7	5357.3	5176.0	4973.8	4743.8	4490.0	4214.0
-35°	5807.3	5712.8	5605.9	5480.6	5342.2	5176.0	4993.1	4781.3	4549.6	4299.7	4022.1
-37.5°	5628.7	5532.7	5419.1	5292.7	5141.8	4973.8	4781.3	4569.6	4343.0	4085.5	3806.1
-40°	5425.8	5328.9	5206.7	5074.2	4916.4	4743.8	4549.6	4343.0	4106.8	3852.3	3573.9
-42.5°	5193.5	5089.0	4964.6	4821.9	4665.7	4490.0	4299.7	4085.5	3852.3	3596.7	3308.5
-45°	4926.9	4815.1	4690.8	4546.5	4391.9	4214.0	4022.1	3806.1	3573.9	3308.5	3027.2
-47.5°	4627.0	4514.6	4391.1	4246.6	4087.3	3913.2	3714.6	3504.1	3258.1	3001.2	2724.3
-50°	4300.6	4185.7	4059.2	3917.7	3753.9	3579.3	3377.8	3158.0	2923.5	2673.1	2416.4
-52.5°	3940.8	3823.5	3694.3	3553.7	3386.6	3203.7	3009.0	2795.3	2571.3	2343.0	2107.9
-55°	3541.9	3422.8	3288.6	3142.3	2982.5	2805.9	2618.4	2423.2	2221.9	2011.6	1822.8
-57.5°	3091.4	2978.0	2849.4	2709.2	2557.6	2398.8	2231.4	2054.6	1888.1	1720.8	1553.3
-60°	2618.4	2512.5	2398.8	2274.7	2140.4	1998.1	1866.2	1726.6	1579.7	1460.1	1336.3
-62.5°	2151.8	2058.8	1963.1	1866.2	1761.2	1648.6	1539.4	1441.1	1337.7	1231.4	1137.1
-65°	1731.5	1659.5	1579.7	1511.5	1438.4	1359.9	1276.2	1196.5	1118.4	1036.6	953.7
-67.5°	1385.9	1336.3	1281.4	1224.7	1170.3	1111.8	1049.3	983.0	923.7	865.6	805.0
-70°	1102.6	1066.2	1025.8	981.5	939.8	898.9	855.2	808.9	759.9	716.8	675.9
-72.5°	867.9	842.9	815.1	784.7	751.7	722.6	693.7	662.9	630.5	596.3	562.4
-75°	681.3	665.1	647.1	627.4	606.0	582.9	560.2	537.1	512.7	487.0	460.0
-77.5°	530.4	518.5	505.4	491.0	475.3	458.4	440.4	420.8	399.5	377.1	353.7
-80°	390.1	380.2	369.2	357.2	344.1	330.0	314.9	298.8	281.8	264.8	247.7
-82.5°	247.3	240.6	233.2	225.0	216.1	206.5	196.2	185.3	173.8	161.6	148.8
-85°	120.5	117.4	114.0	110.3	106.2	101.9	97.2	92.2	86.9	81.3	75.5
-87.5°	33.4	32.8	32.2	31.5	30.7	29.9	29.1	28.2	27.2	26.2	25.1
-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: P645458 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4B-735-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°	24.0	22.8	21.6	20.4	19.1	17.7	16.4	15.0	13.6	12.1	10.7
85°	69.4	63.0	56.4	49.6	42.6	35.5	32.8	30.0	27.1	24.3	21.3
82.5°	135.5	125.0	115.1	104.9	94.4	83.5	72.5	61.1	49.5	37.8	31.9
80°	230.0	211.5	192.3	172.5	152.1	131.5	116.7	101.6	86.2	70.5	54.6
77.5°	329.2	303.7	277.3	252.2	226.6	200.5	173.6	146.2	122.6	103.0	83.1
75°	432.0	401.6	369.9	337.2	303.5	269.3	237.1	204.2	170.7	136.6	111.5
72.5°	529.6	495.5	460.2	423.6	384.3	344.0	302.7	261.7	222.7	183.0	142.8
70°	633.3	589.0	547.1	505.4	462.6	418.3	371.2	323.1	274.2	228.9	183.0
67.5°	742.2	692.3	640.8	587.6	538.1	488.8	438.3	384.9	330.0	274.2	222.7
65°	883.4	810.5	737.2	678.1	617.5	557.8	501.9	444.9	384.9	323.1	261.7
62.5°	1039.0	943.0	860.1	774.8	700.7	632.5	564.4	501.9	438.3	371.2	302.7
60°	1213.5	1102.6	988.2	890.1	794.8	708.3	632.5	557.8	488.8	418.3	344.0
57.5°	1413.7	1269.5	1141.0	1013.7	900.1	794.8	700.7	617.5	538.1	462.6	384.3
55°	1627.8	1460.5	1300.5	1153.9	1013.7	890.1	774.8	678.1	587.6	505.4	423.6
52.5°	1884.6	1668.7	1476.2	1300.5	1141.0	988.2	860.1	737.2	640.8	547.1	460.2
50°	2156.4	1905.3	1668.7	1460.5	1269.5	1102.6	943.0	810.5	692.3	589.0	495.5
47.5°	2441.0	2156.4	1884.6	1627.8	1413.7	1213.5	1039.0	883.4	742.2	633.3	529.6
45°	2724.3	2416.4	2107.9	1822.8	1553.3	1336.3	1137.1	953.7	805.0	675.9	562.4
42.5°	3001.2	2673.1	2343.0	2011.6	1720.8	1460.1	1231.4	1036.6	865.6	716.8	596.3
40°	3258.1	2923.5	2571.3	2221.9	1888.1	1579.7	1337.7	1118.4	923.7	759.9	630.5
37.5°	3504.1	3158.0	2795.3	2423.2	2054.6	1726.6	1441.1	1196.5	983.0	808.9	662.9
35°	3714.6	3377.8	3009.0	2618.4	2231.4	1866.2	1539.4	1276.2	1049.3	855.2	693.7
32.5°	3913.2	3579.3	3203.7	2805.9	2398.8	1998.1	1648.6	1359.9	1111.8	898.9	722.6
30°	4087.3	3753.9	3386.6	2982.5	2557.6	2140.4	1761.2	1438.4	1170.3	939.8	751.7
27.5°	4246.6	3917.7	3553.7	3142.3	2709.2	2274.7	1866.2	1511.5	1224.7	981.5	784.7
25°	4391.1	4059.2	3694.3	3288.6	2849.4	2398.8	1963.1	1579.7	1281.4	1025.8	815.1
22.5°	4514.6	4185.7	3823.5	3422.8	2978.0	2512.5	2058.8	1659.5	1336.3	1066.2	842.9
20°	4627.0	4300.6	3940.8	3541.9	3091.4	2618.4	2151.8	1731.5	1385.9	1102.6	867.9
17.5°	4726.5	4398.8	4037.2	3638.0	3190.6	2712.8	2234.6	1795.5	1430.0	1135.0	890.1
15°	4808.0	4480.3	4120.1	3722.1	3277.4	2795.3	2306.9	1851.4	1468.4	1163.2	909.4
12.5°	4877.9	4550.1	4191.0	3794.0	3351.4	2865.6	2368.5	1899.0	1501.1	1187.2	925.9
10°	4935.6	4607.7	4249.5	3853.2	3412.4	2923.5	2419.2	1938.2	1528.0	1206.9	939.4
7.5°	4980.9	4652.9	4295.3	3899.5	3460.1	2968.7	2458.8	1968.7	1549.0	1222.3	950.0
5°	5013.5	4685.3	4328.2	3932.8	3494.3	3001.2	2487.1	1990.6	1564.0	1233.4	957.5
2.5°	5033.1	4704.9	4348.0	3952.8	3514.9	3020.7	2504.2	2003.8	1573.1	1240.0	962.1
0°	5039.7	4711.4	4354.6	3959.5	3521.8	3027.2	2509.9	2008.2	1576.1	1242.2	963.6
-2.5°	5033.1	4704.9	4348.0	3952.8	3514.9	3020.7	2504.2	2003.8	1573.1	1240.0	962.1
-5°	5013.5	4685.3	4328.2	3932.8	3494.3	3001.2	2487.1	1990.6	1564.0	1233.4	957.5
-7.5°	4980.9	4652.9	4295.3	3899.5	3460.1	2968.7	2458.8	1968.7	1549.0	1222.3	950.0
-10°	4935.6	4607.7	4249.5	3853.2	3412.4	2923.5	2419.2	1938.2	1528.0	1206.9	939.4
-12.5°	4877.9	4550.1	4191.0	3794.0	3351.4	2865.6	2368.5	1899.0	1501.1	1187.2	925.9
-15°	4808.0	4480.3	4120.1	3722.1	3277.4	2795.3	2306.9	1851.4	1468.4	1163.2	909.4
-17.5°	4726.5	4398.8	4037.2	3638.0	3190.6	2712.8	2234.6	1795.5	1430.0	1135.0	890.1
-20°	4627.0	4300.6	3940.8	3541.9	3091.4	2618.4	2151.8	1731.5	1385.9	1102.6	867.9



REPORT NUMBER: P645458 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	4514.6	4185.7	3823.5	3422.8	2978.0	2512.5	2058.8	1659.5	1336.3	1066.2	842.9
-25°	4391.1	4059.2	3694.3	3288.6	2849.4	2398.8	1963.1	1579.7	1281.4	1025.8	815.1
-27.5°	4246.6	3917.7	3553.7	3142.3	2709.2	2274.7	1866.2	1511.5	1224.7	981.5	784.7
-30°	4087.3	3753.9	3386.6	2982.5	2557.6	2140.4	1761.2	1438.4	1170.3	939.8	751.7
-32.5°	3913.2	3579.3	3203.7	2805.9	2398.8	1998.1	1648.6	1359.9	1111.8	898.9	722.6
-35°	3714.6	3377.8	3009.0	2618.4	2231.4	1866.2	1539.4	1276.2	1049.3	855.2	693.7
-37.5°	3504.1	3158.0	2795.3	2423.2	2054.6	1726.6	1441.1	1196.5	983.0	808.9	662.9
-40°	3258.1	2923.5	2571.3	2221.9	1888.1	1579.7	1337.7	1118.4	923.7	759.9	630.5
-42.5°	3001.2	2673.1	2343.0	2011.6	1720.8	1460.1	1231.4	1036.6	865.6	716.8	596.3
-45°	2724.3	2416.4	2107.9	1822.8	1553.3	1336.3	1137.1	953.7	805.0	675.9	562.4
-47.5°	2441.0	2156.4	1884.6	1627.8	1413.7	1213.5	1039.0	883.4	742.2	633.3	529.6
-50°	2156.4	1905.3	1668.7	1460.5	1269.5	1102.6	943.0	810.5	692.3	589.0	495.5
-52.5°	1884.6	1668.7	1476.2	1300.5	1141.0	988.2	860.1	737.2	640.8	547.1	460.2
-55°	1627.8	1460.5	1300.5	1153.9	1013.7	890.1	774.8	678.1	587.6	505.4	423.6
-57.5°	1413.7	1269.5	1141.0	1013.7	900.1	794.8	700.7	617.5	538.1	462.6	384.3
-60°	1213.5	1102.6	988.2	890.1	794.8	708.3	632.5	557.8	488.8	418.3	344.0
-62.5°	1039.0	943.0	860.1	774.8	700.7	632.5	564.4	501.9	438.3	371.2	302.7
-65°	883.4	810.5	737.2	678.1	617.5	557.8	501.9	444.9	384.9	323.1	261.7
-67.5°	742.2	692.3	640.8	587.6	538.1	488.8	438.3	384.9	330.0	274.2	222.7
-70°	633.3	589.0	547.1	505.4	462.6	418.3	371.2	323.1	274.2	228.9	183.0
-72.5°	529.6	495.5	460.2	423.6	384.3	344.0	302.7	261.7	222.7	183.0	142.8
-75°	432.0	401.6	369.9	337.2	303.5	269.3	237.1	204.2	170.7	136.6	111.5
-77.5°	329.2	303.7	277.3	252.2	226.6	200.5	173.6	146.2	122.6	103.0	83.1
-80°	230.0	211.5	192.3	172.5	152.1	131.5	116.7	101.6	86.2	70.5	54.6
-82.5°	135.5	125.0	115.1	104.9	94.4	83.5	72.5	61.1	49.5	37.8	31.9
-85°	69.4	63.0	56.4	49.6	42.6	35.5	32.8	30.0	27.1	24.3	21.3
-87.5°	24.0	22.8	21.6	20.4	19.1	17.7	16.4	15.0	13.6	12.1	10.7
-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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REPORT NUMBER: P645458 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	9.2	7.7	6.2	4.6	3.1	1.5	0.0
85°	18.4	15.3	12.3	9.3	6.2	3.1	0.0
82.5°	27.5	23.0	18.4	13.9	9.3	4.6	0.0
80°	38.4	30.6	24.5	18.4	12.3	6.2	0.0
77.5°	63.0	42.7	30.6	23.0	15.3	7.7	0.0
75°	87.4	63.0	38.4	27.5	18.4	9.2	0.0
72.5°	111.5	83.1	54.6	31.9	21.3	10.7	0.0
70°	136.6	103.0	70.5	37.8	24.3	12.1	0.0
67.5°	170.7	122.6	86.2	49.5	27.1	13.6	0.0
65°	204.2	146.2	101.6	61.1	30.0	15.0	0.0
62.5°	237.1	173.6	116.7	72.5	32.8	16.4	0.0
60°	269.3	200.5	131.5	83.5	35.5	17.7	0.0
57.5°	303.5	226.6	152.1	94.4	42.6	19.1	0.0
55°	337.2	252.2	172.5	104.9	49.6	20.4	0.0
52.5°	369.9	277.3	192.3	115.1	56.4	21.6	0.0
50°	401.6	303.7	211.5	125.0	63.0	22.8	0.0
47.5°	432.0	329.2	230.0	135.5	69.4	24.0	0.0
45°	460.0	353.7	247.7	148.8	75.5	25.1	0.0
42.5°	487.0	377.1	264.8	161.6	81.3	26.2	0.0
40°	512.7	399.5	281.8	173.8	86.9	27.2	0.0
37.5°	537.1	420.8	298.8	185.3	92.2	28.2	0.0
35°	560.2	440.4	314.9	196.2	97.2	29.1	0.0
32.5°	582.9	458.4	330.0	206.5	101.9	29.9	0.0
30°	606.0	475.3	344.1	216.1	106.2	30.7	0.0
27.5°	627.4	491.0	357.2	225.0	110.3	31.5	0.0
25°	647.1	505.4	369.2	233.2	114.0	32.2	0.0
22.5°	665.1	518.5	380.2	240.6	117.4	32.8	0.0
20°	681.3	530.4	390.1	247.3	120.5	33.4	0.0
17.5°	695.7	540.9	398.8	253.3	123.2	33.9	0.0
15°	708.3	550.0	406.5	258.4	125.6	34.3	0.0
12.5°	718.9	557.8	413.0	262.8	127.6	34.7	0.0
10°	727.7	564.2	418.3	266.5	129.3	35.0	0.0
7.5°	734.5	569.2	422.4	269.3	130.5	35.2	0.0
5°	739.4	572.7	425.4	271.3	131.5	35.4	0.0
2.5°	742.3	574.9	427.2	272.5	132.0	35.5	0.0
0°	743.3	575.6	427.8	272.9	132.2	35.5	0.0
-2.5°	742.3	574.9	427.2	272.5	132.0	35.5	0.0
-5°	739.4	572.7	425.4	271.3	131.5	35.4	0.0
-7.5°	734.5	569.2	422.4	269.3	130.5	35.2	0.0
-10°	727.7	564.2	418.3	266.5	129.3	35.0	0.0
-12.5°	718.9	557.8	413.0	262.8	127.6	34.7	0.0
-15°	708.3	550.0	406.5	258.4	125.6	34.3	0.0
-17.5°	695.7	540.9	398.8	253.3	123.2	33.9	0.0
-20°	681.3	530.4	390.1	247.3	120.5	33.4	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	665.1	518.5	380.2	240.6	117.4	32.8	0.0
-25°	647.1	505.4	369.2	233.2	114.0	32.2	0.0
-27.5°	627.4	491.0	357.2	225.0	110.3	31.5	0.0
-30°	606.0	475.3	344.1	216.1	106.2	30.7	0.0
-32.5°	582.9	458.4	330.0	206.5	101.9	29.9	0.0
-35°	560.2	440.4	314.9	196.2	97.2	29.1	0.0
-37.5°	537.1	420.8	298.8	185.3	92.2	28.2	0.0
-40°	512.7	399.5	281.8	173.8	86.9	27.2	0.0
-42.5°	487.0	377.1	264.8	161.6	81.3	26.2	0.0
-45°	460.0	353.7	247.7	148.8	75.5	25.1	0.0
-47.5°	432.0	329.2	230.0	135.5	69.4	24.0	0.0
-50°	401.6	303.7	211.5	125.0	63.0	22.8	0.0
-52.5°	369.9	277.3	192.3	115.1	56.4	21.6	0.0
-55°	337.2	252.2	172.5	104.9	49.6	20.4	0.0
-57.5°	303.5	226.6	152.1	94.4	42.6	19.1	0.0
-60°	269.3	200.5	131.5	83.5	35.5	17.7	0.0
-62.5°	237.1	173.6	116.7	72.5	32.8	16.4	0.0
-65°	204.2	146.2	101.6	61.1	30.0	15.0	0.0
-67.5°	170.7	122.6	86.2	49.5	27.1	13.6	0.0
-70°	136.6	103.0	70.5	37.8	24.3	12.1	0.0
-72.5°	111.5	83.1	54.6	31.9	21.3	10.7	0.0
-75°	87.4	63.0	38.4	27.5	18.4	9.2	0.0
-77.5°	63.0	42.7	30.6	23.0	15.3	7.7	0.0
-80°	38.4	30.6	24.5	18.4	12.3	6.2	0.0
-82.5°	27.5	23.0	18.4	13.9	9.3	4.6	0.0
-85°	18.4	15.3	12.3	9.3	6.2	3.1	0.0
-87.5°	9.2	7.7	6.2	4.6	3.1	1.5	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)