

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: P645432 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA3D-730-U-LAM-XX

Issue Date: 2/28/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P645432 (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-SA3D-730-U-LAM-XX  
Description: GALLEON FLOOD, THREE LIGHT SQUARE, LAMBERTIAN  
Light Source: (48) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: -

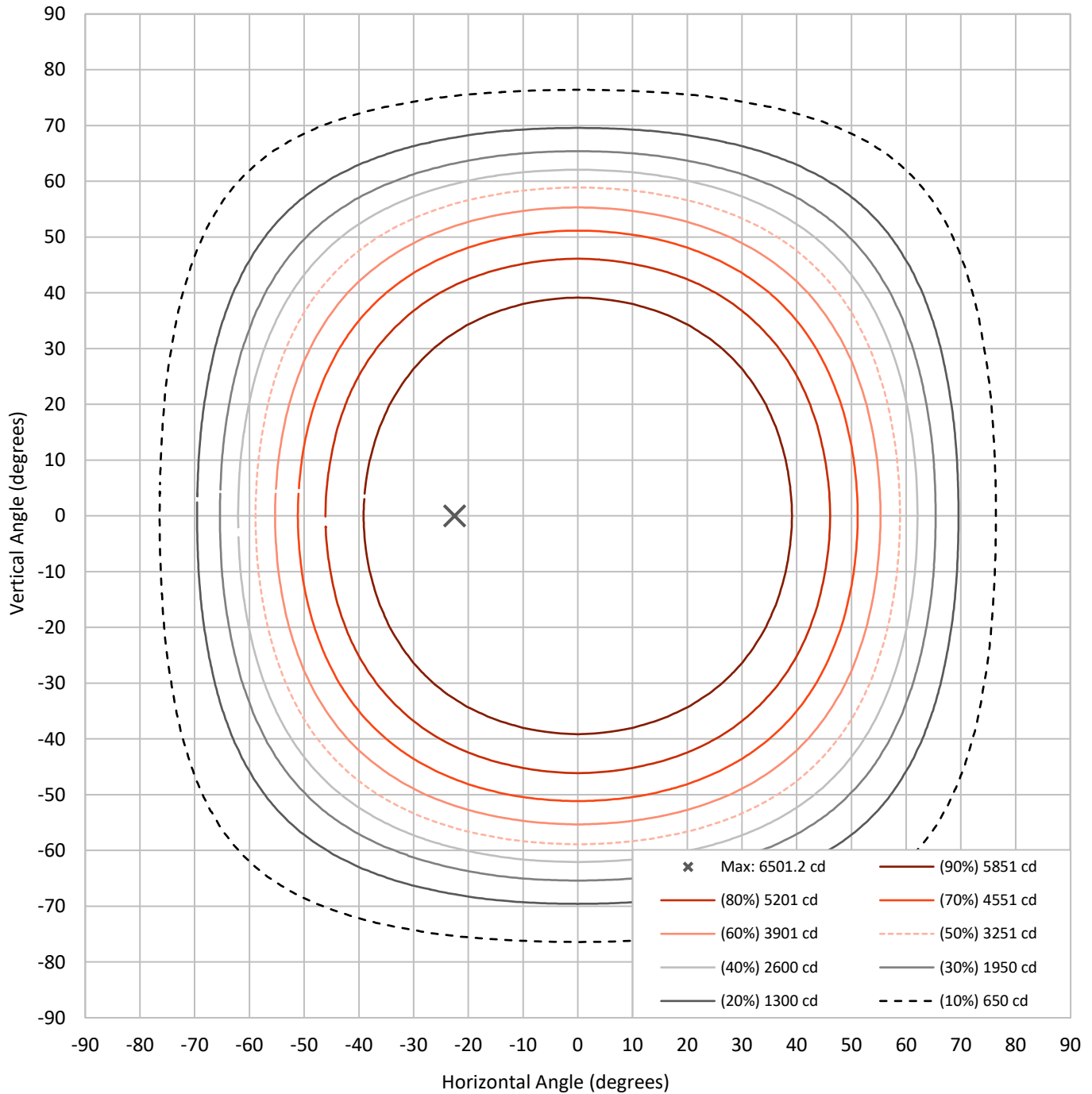
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	19887.6 lumens	Max Intensity:	6501.2 candela
Efficiency:	N/A	Max Intensity Angle:	-22.5°H x 0°V
Efficacy:	124.1 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')		
Beam Angle (50%):	117.8°H x 112°V	Field Angle (10%):	152.8°H x 150.5°V
Beam Lumens:	16550.9 lumens	Field Lumens:	19496.5 lumens
Beam Efficiency:	83.2%	Field Efficiency:	98.0%
Input Watts (W):	160.2		
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





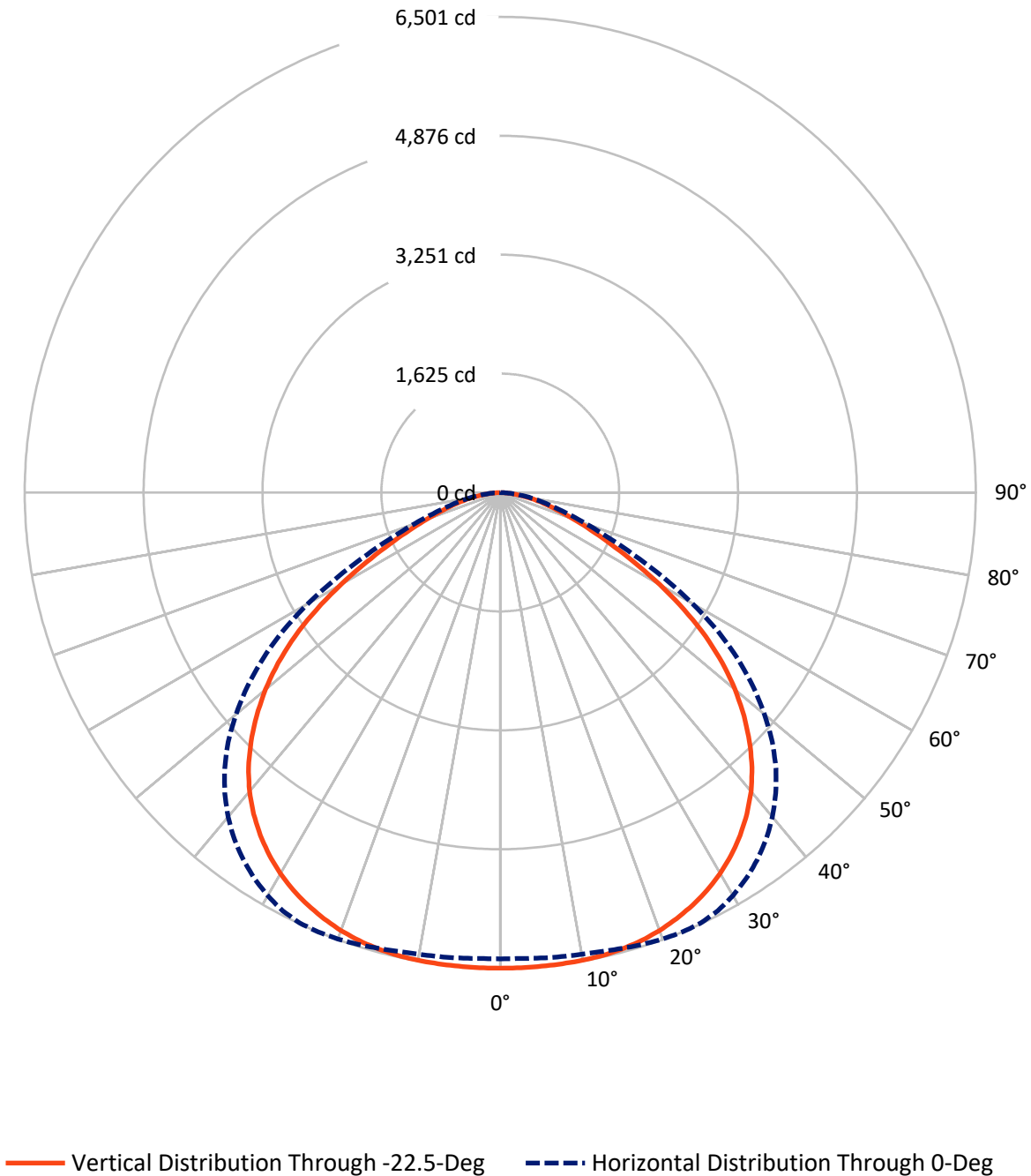
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### Lumen Table

90																			
80	1.0	10.3	29.1	48.5	56.8	48.5	29.1	10.3	1.0										
70																			
60	4.9	5.8	12.1	21.1	32.7	45.1	55.8	61.7	61.7	55.8	45.1	32.7	21.1	12.1	5.8				4.9
50																			
40	9.3	9.0	20.6	40.0	65.3	89.9	108.3	118.0	118.0	108.3	89.9	65.3	40.0	20.6	9.0				9.3
30																			
20	12.7	12.8	32.6	65.0	99.6	128.6	149.1	159.6	159.6	149.1	128.6	99.6	65.0	32.6	12.8				12.7
10																			
0	14.0	17.2	46.1	86.2	123.8	154.0	174.2	184.3	184.3	174.2	154.0	123.8	86.2	46.1	17.2				14.0
-10																			
-20	12.7	21.5	57.4	100.6	139.3	168.6	187.3	195.6	195.6	187.3	168.6	139.3	100.6	57.4	21.5				12.7
-30																			
-40	9.3	25.0	64.9	109.4	147.9	175.8	190.6	195.7	195.7	190.6	175.8	147.9	109.4	64.9	25.0				9.3
-50																			
-60	4.9	26.8	68.5	113.6	151.7	178.0	189.8	193.9	193.9	189.8	178.0	151.7	113.6	68.5	26.8				4.9
-70																			
-80	1.0	26.8	68.5	113.6	151.7	178.0	189.8	193.9	193.9	189.8	178.0	151.7	113.6	68.5	26.8				1.0
-90																			

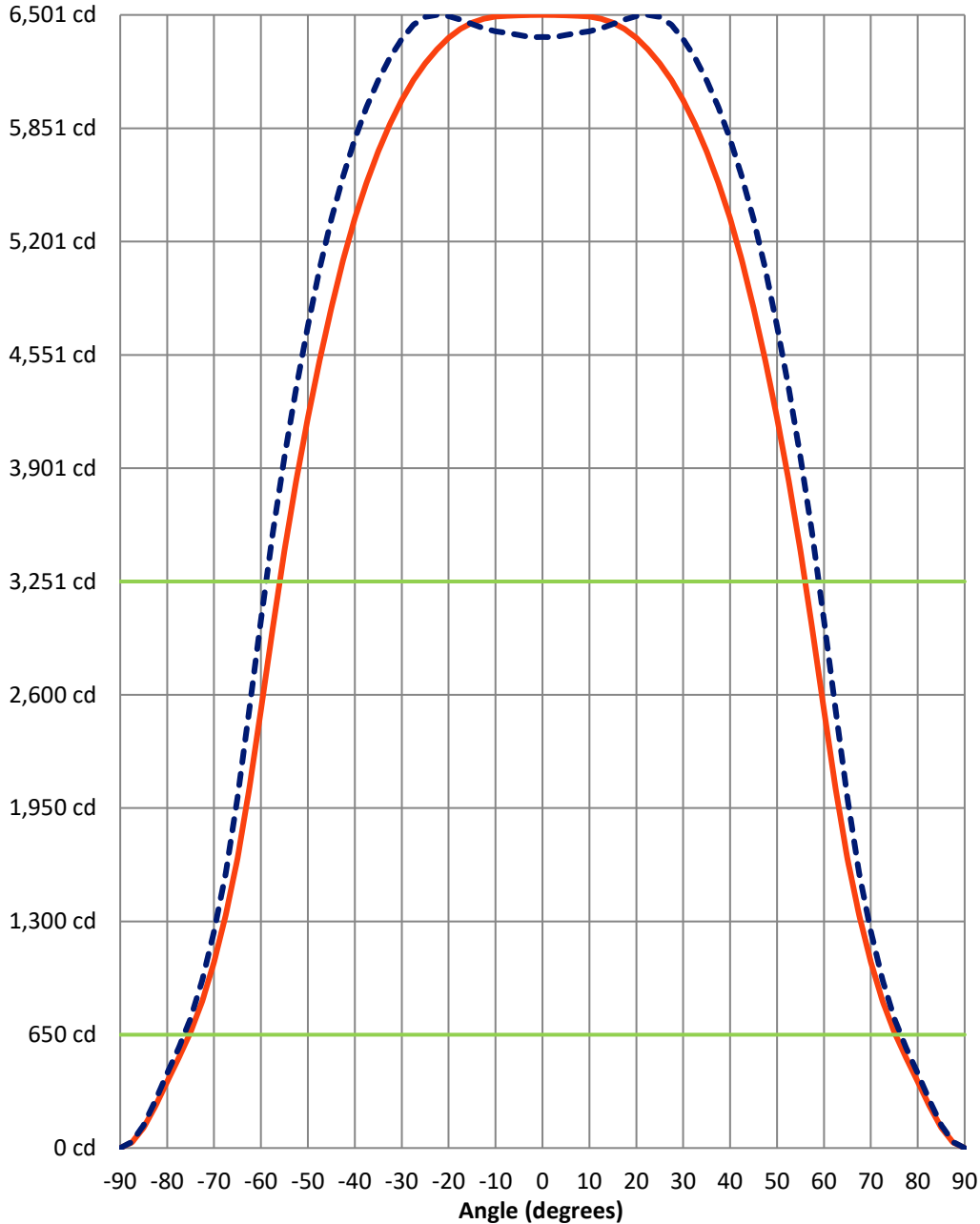
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 117.8°  
 V Angle: 112°  
 Lumens: 16550.9  
 Efficiency: 83.2%

**Field:**  
 H Angle: 152.8°  
 V Angle: 150.5°  
 Lumens: 19496.5  
 Efficiency: 98.0%

**Spill:**  
 Lumens: 391.1  
 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	1.6	3.1	4.6	6.2	7.7	9.2	10.7	12.2	13.6	15.0
85°	0.0	3.1	6.2	9.3	12.3	15.4	18.4	21.4	24.3	27.2	30.1
82.5°	0.0	4.6	9.3	13.9	18.5	23.1	27.6	32.0	37.9	49.6	61.2
80°	0.0	6.2	12.3	18.5	24.6	30.7	38.5	54.7	70.6	86.3	101.7
77.5°	0.0	7.7	15.4	23.1	30.7	42.8	63.1	83.2	103.1	122.7	146.3
75°	0.0	9.2	18.4	27.6	38.5	63.1	87.5	111.6	136.7	170.8	204.4
72.5°	0.0	10.7	21.4	32.0	54.7	83.2	111.6	142.9	183.2	222.9	261.9
70°	0.0	12.2	24.3	37.9	70.6	103.1	136.7	183.2	229.0	274.4	323.4
67.5°	0.0	13.6	27.2	49.6	86.3	122.7	170.8	222.9	274.4	330.2	385.2
65°	0.0	15.0	30.1	61.2	101.7	146.3	204.4	261.9	323.4	385.2	445.3
62.5°	0.0	16.4	32.8	72.6	116.8	173.7	237.3	303.0	371.5	438.7	502.3
60°	0.0	17.8	35.6	83.6	131.6	200.6	269.5	344.3	418.7	489.2	558.3
57.5°	0.0	19.1	42.7	94.5	152.2	226.8	303.7	384.6	463.1	538.6	618.1
55°	0.0	20.4	49.7	105.0	172.6	252.3	337.5	424.0	505.9	588.2	678.8
52.5°	0.0	21.7	56.5	115.2	192.5	277.5	370.2	460.6	547.5	641.4	737.8
50°	0.0	22.9	63.1	125.1	211.6	303.9	401.9	495.9	589.5	693.0	811.3
47.5°	0.0	24.0	69.5	135.6	230.1	329.4	432.4	530.0	633.8	742.9	884.2
45°	0.0	25.2	75.6	149.0	247.9	354.0	460.5	562.9	676.5	805.7	954.6
42.5°	0.0	26.2	81.4	161.7	265.0	377.5	487.4	596.9	717.5	866.4	1037.5
40°	0.0	27.3	87.0	173.9	282.1	399.9	513.1	631.0	760.7	924.5	1119.5
37.5°	0.0	28.2	92.3	185.5	299.1	421.2	537.6	663.5	809.6	983.9	1197.6
35°	0.0	29.2	97.3	196.4	315.1	440.8	560.7	694.3	856.0	1050.2	1277.3
32.5°	0.0	30.0	102.0	206.7	330.3	458.8	583.4	723.3	899.7	1112.8	1361.1
30°	0.0	30.8	106.3	216.2	344.4	475.7	606.5	752.4	940.6	1171.3	1439.7
27.5°	0.0	31.6	110.4	225.1	357.5	491.4	628.0	785.4	982.4	1225.8	1512.9
25°	0.0	32.3	114.1	233.3	369.6	505.9	647.7	815.9	1026.7	1282.5	1581.2
22.5°	0.0	32.9	117.5	240.8	380.5	519.0	665.7	843.7	1067.1	1337.5	1661.1
20°	0.0	33.5	120.6	247.5	390.4	530.8	682.0	868.7	1103.6	1387.2	1733.1
17.5°	0.0	34.0	123.3	253.4	399.2	541.4	696.4	890.9	1136.0	1431.3	1797.2
15°	0.0	34.4	125.7	258.6	406.9	550.5	708.9	910.3	1164.2	1469.8	1853.2
12.5°	0.0	34.8	127.7	263.0	413.3	558.3	719.6	926.8	1188.3	1502.5	1900.8
10°	0.0	35.1	129.4	266.6	418.7	564.7	728.3	940.3	1208.0	1529.4	1940.0
7.5°	0.0	35.3	130.6	269.5	422.8	569.7	735.2	950.9	1223.4	1550.5	1970.6
5°	0.0	35.5	131.6	271.5	425.8	573.2	740.1	958.4	1234.5	1565.5	1992.5
2.5°	0.0	35.6	132.1	272.7	427.6	575.4	743.0	963.0	1241.1	1574.6	2005.7
0°	0.0	35.6	132.3	273.1	428.2	576.1	744.0	964.5	1243.3	1577.6	2010.1
-2.5°	0.0	35.6	132.1	272.7	427.6	575.4	743.0	963.0	1241.1	1574.6	2005.7
-5°	0.0	35.5	131.6	271.5	425.8	573.2	740.1	958.4	1234.5	1565.5	1992.5
-7.5°	0.0	35.3	130.6	269.5	422.8	569.7	735.2	950.9	1223.4	1550.5	1970.6
-10°	0.0	35.1	129.4	266.6	418.7	564.7	728.3	940.3	1208.0	1529.4	1940.0
-12.5°	0.0	34.8	127.7	263.0	413.3	558.3	719.6	926.8	1188.3	1502.5	1900.8
-15°	0.0	34.4	125.7	258.6	406.9	550.5	708.9	910.3	1164.2	1469.8	1853.2
-17.5°	0.0	34.0	123.3	253.4	399.2	541.4	696.4	890.9	1136.0	1431.3	1797.2
-20°	0.0	33.5	120.6	247.5	390.4	530.8	682.0	868.7	1103.6	1387.2	1733.1

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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	32.9	117.5	240.8	380.5	519.0	665.7	843.7	1067.1	1337.5	1661.1
-25°	0.0	32.3	114.1	233.3	369.6	505.9	647.7	815.9	1026.7	1282.5	1581.2
-27.5°	0.0	31.6	110.4	225.1	357.5	491.4	628.0	785.4	982.4	1225.8	1512.9
-30°	0.0	30.8	106.3	216.2	344.4	475.7	606.5	752.4	940.6	1171.3	1439.7
-32.5°	0.0	30.0	102.0	206.7	330.3	458.8	583.4	723.3	899.7	1112.8	1361.1
-35°	0.0	29.2	97.3	196.4	315.1	440.8	560.7	694.3	856.0	1050.2	1277.3
-37.5°	0.0	28.2	92.3	185.5	299.1	421.2	537.6	663.5	809.6	983.9	1197.6
-40°	0.0	27.3	87.0	173.9	282.1	399.9	513.1	631.0	760.7	924.5	1119.5
-42.5°	0.0	26.2	81.4	161.7	265.0	377.5	487.4	596.9	717.5	866.4	1037.5
-45°	0.0	25.2	75.6	149.0	247.9	354.0	460.5	562.9	676.5	805.7	954.6
-47.5°	0.0	24.0	69.5	135.6	230.1	329.4	432.4	530.0	633.8	742.9	884.2
-50°	0.0	22.9	63.1	125.1	211.6	303.9	401.9	495.9	589.5	693.0	811.3
-52.5°	0.0	21.7	56.5	115.2	192.5	277.5	370.2	460.6	547.5	641.4	737.8
-55°	0.0	20.4	49.7	105.0	172.6	252.3	337.5	424.0	505.9	588.2	678.8
-57.5°	0.0	19.1	42.7	94.5	152.2	226.8	303.7	384.6	463.1	538.6	618.1
-60°	0.0	17.8	35.6	83.6	131.6	200.6	269.5	344.3	418.7	489.2	558.3
-62.5°	0.0	16.4	32.8	72.6	116.8	173.7	237.3	303.0	371.5	438.7	502.3
-65°	0.0	15.0	30.1	61.2	101.7	146.3	204.4	261.9	323.4	385.2	445.3
-67.5°	0.0	13.6	27.2	49.6	86.3	122.7	170.8	222.9	274.4	330.2	385.2
-70°	0.0	12.2	24.3	37.9	70.6	103.1	136.7	183.2	229.0	274.4	323.4
-72.5°	0.0	10.7	21.4	32.0	54.7	83.2	111.6	142.9	183.2	222.9	261.9
-75°	0.0	9.2	18.4	27.6	38.5	63.1	87.5	111.6	136.7	170.8	204.4
-77.5°	0.0	7.7	15.4	23.1	30.7	42.8	63.1	83.2	103.1	122.7	146.3
-80°	0.0	6.2	12.3	18.5	24.6	30.7	38.5	54.7	70.6	86.3	101.7
-82.5°	0.0	4.6	9.3	13.9	18.5	23.1	27.6	32.0	37.9	49.6	61.2
-85°	0.0	3.1	6.2	9.3	12.3	15.4	18.4	21.4	24.3	27.2	30.1
-87.5°	0.0	1.6	3.1	4.6	6.2	7.7	9.2	10.7	12.2	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





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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°	16.4	17.8	19.1	20.4	21.7	22.9	24.0	25.2	26.2	27.3	28.2
85°	32.8	35.6	42.7	49.7	56.5	63.1	69.5	75.6	81.4	87.0	92.3
82.5°	72.6	83.6	94.5	105.0	115.2	125.1	135.6	149.0	161.7	173.9	185.5
80°	116.8	131.6	152.2	172.6	192.5	211.6	230.1	247.9	265.0	282.1	299.1
77.5°	173.7	200.6	226.8	252.3	277.5	303.9	329.4	354.0	377.5	399.9	421.2
75°	237.3	269.5	303.7	337.5	370.2	401.9	432.4	460.5	487.4	513.1	537.6
72.5°	303.0	344.3	384.6	424.0	460.6	495.9	530.0	562.9	596.9	631.0	663.5
70°	371.5	418.7	463.1	505.9	547.5	589.5	633.8	676.5	717.5	760.7	809.6
67.5°	438.7	489.2	538.6	588.2	641.4	693.0	742.9	805.7	866.4	924.5	983.9
65°	502.3	558.3	618.1	678.8	737.8	811.3	884.2	954.6	1037.5	1119.5	1197.6
62.5°	564.9	633.1	701.4	775.6	860.9	943.9	1040.0	1138.1	1232.5	1338.9	1442.5
60°	633.1	708.9	795.5	890.9	989.1	1103.6	1214.6	1337.5	1461.5	1581.2	1728.2
57.5°	701.4	795.5	901.0	1014.7	1142.0	1270.6	1415.0	1554.8	1722.4	1889.9	2056.5
55°	775.6	890.9	1014.7	1154.9	1301.7	1461.9	1629.4	1824.6	2013.5	2224.0	2425.5
52.5°	860.9	989.1	1142.0	1301.7	1477.6	1670.3	1886.4	2109.9	2345.2	2573.8	2797.9
50°	943.9	1103.6	1270.6	1461.9	1670.3	1907.1	2158.4	2418.7	2675.6	2926.3	3161.0
47.5°	1040.0	1214.6	1415.0	1629.4	1886.4	2158.4	2443.3	2726.9	3004.0	3261.2	3507.5
45°	1138.1	1337.5	1554.8	1824.6	2109.9	2418.7	2726.9	3030.1	3311.7	3577.4	3809.8
42.5°	1232.5	1461.5	1722.4	2013.5	2345.2	2675.6	3004.0	3311.7	3600.1	3856.0	4089.5
40°	1338.9	1581.2	1889.9	2224.0	2573.8	2926.3	3261.2	3577.4	3856.0	4110.7	4347.2
37.5°	1442.5	1728.2	2056.5	2425.5	2797.9	3161.0	3507.5	3809.8	4089.5	4347.2	4574.0
35°	1540.8	1867.9	2233.5	2620.9	3011.9	3381.0	3718.2	4026.0	4303.9	4554.0	4785.9
32.5°	1650.1	2000.0	2401.1	2808.6	3206.8	3582.7	3916.9	4218.0	4494.3	4748.3	4978.5
30°	1762.9	2142.5	2560.1	2985.4	3389.9	3757.5	4091.2	4396.1	4670.2	4921.0	5146.7
27.5°	1867.9	2276.8	2711.7	3145.3	3557.1	3921.5	4250.7	4550.9	4826.5	5079.1	5297.8
25°	1965.0	2401.1	2852.2	3291.8	3697.9	4063.1	4395.3	4695.3	4969.4	5211.7	5424.3
22.5°	2060.7	2514.9	2980.8	3426.1	3827.2	4189.7	4518.9	4819.7	5093.9	5334.0	5538.0
20°	2153.8	2620.9	3094.4	3545.3	3944.6	4304.8	4631.4	4931.6	5198.5	5431.0	5634.1
17.5°	2236.7	2715.4	3193.7	3641.5	4041.1	4403.0	4731.0	5032.1	5292.7	5518.5	5717.0
15°	2309.1	2797.9	3280.5	3725.7	4124.1	4484.6	4812.6	5110.4	5369.2	5593.2	5790.3
12.5°	2370.7	2868.3	3354.7	3797.6	4195.1	4554.4	4882.5	5176.2	5430.6	5651.7	5844.6
10°	2421.5	2926.3	3415.7	3856.9	4253.6	4612.1	4940.3	5230.7	5481.5	5700.3	5889.8
7.5°	2461.1	2971.6	3463.5	3903.3	4299.4	4657.3	4985.7	5273.5	5521.6	5738.6	5925.4
5°	2489.5	3004.0	3497.7	3936.6	4332.4	4689.8	5018.3	5304.2	5550.5	5766.2	5951.2
2.5°	2506.6	3023.6	3518.3	3956.6	4352.2	4709.4	5037.9	5322.8	5567.9	5782.9	5966.8
0°	2512.3	3030.1	3525.2	3963.3	4358.8	4715.9	5044.5	5329.0	5573.7	5788.5	5972.0
-2.5°	2506.6	3023.6	3518.3	3956.6	4352.2	4709.4	5037.9	5322.8	5567.9	5782.9	5966.8
-5°	2489.5	3004.0	3497.7	3936.6	4332.4	4689.8	5018.3	5304.2	5550.5	5766.2	5951.2
-7.5°	2461.1	2971.6	3463.5	3903.3	4299.4	4657.3	4985.7	5273.5	5521.6	5738.6	5925.4
-10°	2421.5	2926.3	3415.7	3856.9	4253.6	4612.1	4940.3	5230.7	5481.5	5700.3	5889.8
-12.5°	2370.7	2868.3	3354.7	3797.6	4195.1	4554.4	4882.5	5176.2	5430.6	5651.7	5844.6
-15°	2309.1	2797.9	3280.5	3725.7	4124.1	4484.6	4812.6	5110.4	5369.2	5593.2	5790.3
-17.5°	2236.7	2715.4	3193.7	3641.5	4041.1	4403.0	4731.0	5032.1	5292.7	5518.5	5717.0
-20°	2153.8	2620.9	3094.4	3545.3	3944.6	4304.8	4631.4	4931.6	5198.5	5431.0	5634.1



REPORT NUMBER: P645432 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3D-730-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°	2060.7	2514.9	2980.8	3426.1	3827.2	4189.7	4518.9	4819.7	5093.9	5334.0	5538.0
-25°	1965.0	2401.1	2852.2	3291.8	3697.9	4063.1	4395.3	4695.3	4969.4	5211.7	5424.3
-27.5°	1867.9	2276.8	2711.7	3145.3	3557.1	3921.5	4250.7	4550.9	4826.5	5079.1	5297.8
-30°	1762.9	2142.5	2560.1	2985.4	3389.9	3757.5	4091.2	4396.1	4670.2	4921.0	5146.7
-32.5°	1650.1	2000.0	2401.1	2808.6	3206.8	3582.7	3916.9	4218.0	4494.3	4748.3	4978.5
-35°	1540.8	1867.9	2233.5	2620.9	3011.9	3381.0	3718.2	4026.0	4303.9	4554.0	4785.9
-37.5°	1442.5	1728.2	2056.5	2425.5	2797.9	3161.0	3507.5	3809.8	4089.5	4347.2	4574.0
-40°	1338.9	1581.2	1889.9	2224.0	2573.8	2926.3	3261.2	3577.4	3856.0	4110.7	4347.2
-42.5°	1232.5	1461.5	1722.4	2013.5	2345.2	2675.6	3004.0	3311.7	3600.1	3856.0	4089.5
-45°	1138.1	1337.5	1554.8	1824.6	2109.9	2418.7	2726.9	3030.1	3311.7	3577.4	3809.8
-47.5°	1040.0	1214.6	1415.0	1629.4	1886.4	2158.4	2443.3	2726.9	3004.0	3261.2	3507.5
-50°	943.9	1103.6	1270.6	1461.9	1670.3	1907.1	2158.4	2418.7	2675.6	2926.3	3161.0
-52.5°	860.9	989.1	1142.0	1301.7	1477.6	1670.3	1886.4	2109.9	2345.2	2573.8	2797.9
-55°	775.6	890.9	1014.7	1154.9	1301.7	1461.9	1629.4	1824.6	2013.5	2224.0	2425.5
-57.5°	701.4	795.5	901.0	1014.7	1142.0	1270.6	1415.0	1554.8	1722.4	1889.9	2056.5
-60°	633.1	708.9	795.5	890.9	989.1	1103.6	1214.6	1337.5	1461.5	1581.2	1728.2
-62.5°	564.9	633.1	701.4	775.6	860.9	943.9	1040.0	1138.1	1232.5	1338.9	1442.5
-65°	502.3	558.3	618.1	678.8	737.8	811.3	884.2	954.6	1037.5	1119.5	1197.6
-67.5°	438.7	489.2	538.6	588.2	641.4	693.0	742.9	805.7	866.4	924.5	983.9
-70°	371.5	418.7	463.1	505.9	547.5	589.5	633.8	676.5	717.5	760.7	809.6
-72.5°	303.0	344.3	384.6	424.0	460.6	495.9	530.0	562.9	596.9	631.0	663.5
-75°	237.3	269.5	303.7	337.5	370.2	401.9	432.4	460.5	487.4	513.1	537.6
-77.5°	173.7	200.6	226.8	252.3	277.5	303.9	329.4	354.0	377.5	399.9	421.2
-80°	116.8	131.6	152.2	172.6	192.5	211.6	230.1	247.9	265.0	282.1	299.1
-82.5°	72.6	83.6	94.5	105.0	115.2	125.1	135.6	149.0	161.7	173.9	185.5
-85°	32.8	35.6	42.7	49.7	56.5	63.1	69.5	75.6	81.4	87.0	92.3
-87.5°	16.4	17.8	19.1	20.4	21.7	22.9	24.0	25.2	26.2	27.3	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: P645432 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3D-730-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°	29.2	30.0	30.8	31.6	32.3	32.9	33.5	34.0	34.4	34.8	35.1
85°	97.3	102.0	106.3	110.4	114.1	117.5	120.6	123.3	125.7	127.7	129.4
82.5°	196.4	206.7	216.2	225.1	233.3	240.8	247.5	253.4	258.6	263.0	266.6
80°	315.1	330.3	344.4	357.5	369.6	380.5	390.4	399.2	406.9	413.3	418.7
77.5°	440.8	458.8	475.7	491.4	505.9	519.0	530.8	541.4	550.5	558.3	564.7
75°	560.7	583.4	606.5	628.0	647.7	665.7	682.0	696.4	708.9	719.6	728.3
72.5°	694.3	723.3	752.4	785.4	815.9	843.7	868.7	890.9	910.3	926.8	940.3
70°	856.0	899.7	940.6	982.4	1026.7	1067.1	1103.6	1136.0	1164.2	1188.3	1208.0
67.5°	1050.2	1112.8	1171.3	1225.8	1282.5	1337.5	1387.2	1431.3	1469.8	1502.5	1529.4
65°	1277.3	1361.1	1439.7	1512.9	1581.2	1661.1	1733.1	1797.2	1853.2	1900.8	1940.0
62.5°	1540.8	1650.1	1762.9	1867.9	1965.0	2060.7	2153.8	2236.7	2309.1	2370.7	2421.5
60°	1867.9	2000.0	2142.5	2276.8	2401.1	2514.9	2620.9	2715.4	2797.9	2868.3	2926.3
57.5°	2233.5	2401.1	2560.1	2711.7	2852.2	2980.8	3094.4	3193.7	3280.5	3354.7	3415.7
55°	2620.9	2808.6	2985.4	3145.3	3291.8	3426.1	3545.3	3641.5	3725.7	3797.6	3856.9
52.5°	3011.9	3206.8	3389.9	3557.1	3697.9	3827.2	3944.6	4041.1	4124.1	4195.1	4253.6
50°	3381.0	3582.7	3757.5	3921.5	4063.1	4189.7	4304.8	4403.0	4484.6	4554.4	4612.1
47.5°	3718.2	3916.9	4091.2	4250.7	4395.3	4518.9	4631.4	4731.0	4812.6	4882.5	4940.3
45°	4026.0	4218.0	4396.1	4550.9	4695.3	4819.7	4931.6	5032.1	5110.4	5176.2	5230.7
42.5°	4303.9	4494.3	4670.2	4826.5	4969.4	5093.9	5198.5	5292.7	5369.2	5430.6	5481.5
40°	4554.0	4748.3	4921.0	5079.1	5211.7	5334.0	5431.0	5518.5	5593.2	5651.7	5700.3
37.5°	4785.9	4978.5	5146.7	5297.8	5424.3	5538.0	5634.1	5717.0	5790.3	5844.6	5889.8
35°	4997.8	5180.9	5347.3	5485.8	5611.2	5718.3	5812.8	5889.4	5957.4	6009.2	6050.4
32.5°	5180.9	5362.4	5516.9	5653.2	5775.7	5875.6	5966.3	6036.4	6098.2	6148.0	6186.3
30°	5347.3	5516.9	5667.4	5802.5	5914.0	6011.3	6093.0	6161.5	6218.5	6266.0	6299.7
27.5°	5485.8	5653.2	5802.5	5927.0	6033.8	6127.5	6202.2	6268.1	6317.9	6361.6	6390.6
25°	5611.2	5775.7	5914.0	6033.8	6137.4	6222.9	6294.1	6353.8	6397.9	6435.4	6456.9
22.5°	5718.3	5875.6	6011.3	6127.5	6222.9	6302.8	6369.9	6420.5	6456.6	6479.2	6492.0
20°	5812.8	5966.3	6093.0	6202.2	6294.1	6369.9	6428.1	6465.5	6490.6	6496.9	6500.5
17.5°	5889.4	6036.4	6161.5	6268.1	6353.8	6420.5	6465.5	6491.8	6499.4	6498.1	6494.3
15°	5957.4	6098.2	6218.5	6317.9	6397.9	6456.6	6490.6	6499.4	6497.2	6489.6	6477.9
12.5°	6009.2	6148.0	6266.0	6361.6	6435.4	6479.2	6496.9	6498.1	6489.6	6475.1	6458.4
10°	6050.4	6186.3	6299.7	6390.6	6456.9	6492.0	6500.5	6494.3	6477.9	6458.4	6439.9
7.5°	6083.0	6216.7	6326.5	6413.7	6471.0	6495.9	6497.8	6486.1	6466.3	6444.2	6424.2
5°	6106.6	6238.7	6346.0	6430.6	6481.4	6498.8	6495.8	6479.6	6456.7	6433.6	6415.3
2.5°	6120.9	6252.0	6357.8	6440.8	6487.7	6500.6	6494.5	6475.6	6450.7	6426.8	6409.4
0°	6125.7	6256.5	6361.8	6444.3	6489.8	6501.2	6494.1	6474.2	6448.6	6424.4	6407.3
-2.5°	6120.9	6252.0	6357.8	6440.8	6487.7	6500.6	6494.5	6475.6	6450.7	6426.8	6409.4
-5°	6106.6	6238.7	6346.0	6430.6	6481.4	6498.8	6495.8	6479.6	6456.7	6433.6	6415.3
-7.5°	6083.0	6216.7	6326.5	6413.7	6471.0	6495.9	6497.8	6486.1	6466.3	6444.2	6424.2
-10°	6050.4	6186.3	6299.7	6390.6	6456.9	6492.0	6500.5	6494.3	6477.9	6458.4	6439.9
-12.5°	6009.2	6148.0	6266.0	6361.6	6435.4	6479.2	6496.9	6498.1	6489.6	6475.1	6458.4
-15°	5957.4	6098.2	6218.5	6317.9	6397.9	6456.6	6490.6	6499.4	6497.2	6489.6	6477.9
-17.5°	5889.4	6036.4	6161.5	6268.1	6353.8	6420.5	6465.5	6491.8	6499.4	6498.1	6494.3
-20°	5812.8	5966.3	6093.0	6202.2	6294.1	6369.9	6428.1	6465.5	6490.6	6496.9	6500.5



REPORT NUMBER: P645432 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3D-730-U-LAM-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	5718.3	5875.6	6011.3	6127.5	6222.9	6302.8	6369.9	6420.5	6456.6	6479.2	6492.0
-25°	5611.2	5775.7	5914.0	6033.8	6137.4	6222.9	6294.1	6353.8	6397.9	6435.4	6456.9
-27.5°	5485.8	5653.2	5802.5	5927.0	6033.8	6127.5	6202.2	6268.1	6317.9	6361.6	6390.6
-30°	5347.3	5516.9	5667.4	5802.5	5914.0	6011.3	6093.0	6161.5	6218.5	6266.0	6299.7
-32.5°	5180.9	5362.4	5516.9	5653.2	5775.7	5875.6	5966.3	6036.4	6098.2	6148.0	6186.3
-35°	4997.8	5180.9	5347.3	5485.8	5611.2	5718.3	5812.8	5889.4	5957.4	6009.2	6050.4
-37.5°	4785.9	4978.5	5146.7	5297.8	5424.3	5538.0	5634.1	5717.0	5790.3	5844.6	5889.8
-40°	4554.0	4748.3	4921.0	5079.1	5211.7	5334.0	5431.0	5518.5	5593.2	5651.7	5700.3
-42.5°	4303.9	4494.3	4670.2	4826.5	4969.4	5093.9	5198.5	5292.7	5369.2	5430.6	5481.5
-45°	4026.0	4218.0	4396.1	4550.9	4695.3	4819.7	4931.6	5032.1	5110.4	5176.2	5230.7
-47.5°	3718.2	3916.9	4091.2	4250.7	4395.3	4518.9	4631.4	4731.0	4812.6	4882.5	4940.3
-50°	3381.0	3582.7	3757.5	3921.5	4063.1	4189.7	4304.8	4403.0	4484.6	4554.4	4612.1
-52.5°	3011.9	3206.8	3389.9	3557.1	3697.9	3827.2	3944.6	4041.1	4124.1	4195.1	4253.6
-55°	2620.9	2808.6	2985.4	3145.3	3291.8	3426.1	3545.3	3641.5	3725.7	3797.6	3856.9
-57.5°	2233.5	2401.1	2560.1	2711.7	2852.2	2980.8	3094.4	3193.7	3280.5	3354.7	3415.7
-60°	1867.9	2000.0	2142.5	2276.8	2401.1	2514.9	2620.9	2715.4	2797.9	2868.3	2926.3
-62.5°	1540.8	1650.1	1762.9	1867.9	1965.0	2060.7	2153.8	2236.7	2309.1	2370.7	2421.5
-65°	1277.3	1361.1	1439.7	1512.9	1581.2	1661.1	1733.1	1797.2	1853.2	1900.8	1940.0
-67.5°	1050.2	1112.8	1171.3	1225.8	1282.5	1337.5	1387.2	1431.3	1469.8	1502.5	1529.4
-70°	856.0	899.7	940.6	982.4	1026.7	1067.1	1103.6	1136.0	1164.2	1188.3	1208.0
-72.5°	694.3	723.3	752.4	785.4	815.9	843.7	868.7	890.9	910.3	926.8	940.3
-75°	560.7	583.4	606.5	628.0	647.7	665.7	682.0	696.4	708.9	719.6	728.3
-77.5°	440.8	458.8	475.7	491.4	505.9	519.0	530.8	541.4	550.5	558.3	564.7
-80°	315.1	330.3	344.4	357.5	369.6	380.5	390.4	399.2	406.9	413.3	418.7
-82.5°	196.4	206.7	216.2	225.1	233.3	240.8	247.5	253.4	258.6	263.0	266.6
-85°	97.3	102.0	106.3	110.4	114.1	117.5	120.6	123.3	125.7	127.7	129.4
-87.5°	29.2	30.0	30.8	31.6	32.3	32.9	33.5	34.0	34.4	34.8	35.1
-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: P645432 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3D-730-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°	35.3	35.5	35.6	35.6	35.6	35.5	35.3	35.1	34.8	34.4	34.0
85°	130.6	131.6	132.1	132.3	132.1	131.6	130.6	129.4	127.7	125.7	123.3
82.5°	269.5	271.5	272.7	273.1	272.7	271.5	269.5	266.6	263.0	258.6	253.4
80°	422.8	425.8	427.6	428.2	427.6	425.8	422.8	418.7	413.3	406.9	399.2
77.5°	569.7	573.2	575.4	576.1	575.4	573.2	569.7	564.7	558.3	550.5	541.4
75°	735.2	740.1	743.0	744.0	743.0	740.1	735.2	728.3	719.6	708.9	696.4
72.5°	950.9	958.4	963.0	964.5	963.0	958.4	950.9	940.3	926.8	910.3	890.9
70°	1223.4	1234.5	1241.1	1243.3	1241.1	1234.5	1223.4	1208.0	1188.3	1164.2	1136.0
67.5°	1550.5	1565.5	1574.6	1577.6	1574.6	1565.5	1550.5	1529.4	1502.5	1469.8	1431.3
65°	1970.6	1992.5	2005.7	2010.1	2005.7	1992.5	1970.6	1940.0	1900.8	1853.2	1797.2
62.5°	2461.1	2489.5	2506.6	2512.3	2506.6	2489.5	2461.1	2421.5	2370.7	2309.1	2236.7
60°	2971.6	3004.0	3023.6	3030.1	3023.6	3004.0	2971.6	2926.3	2868.3	2797.9	2715.4
57.5°	3463.5	3497.7	3518.3	3525.2	3518.3	3497.7	3463.5	3415.7	3354.7	3280.5	3193.7
55°	3903.3	3936.6	3956.6	3963.3	3956.6	3936.6	3903.3	3856.9	3797.6	3725.7	3641.5
52.5°	4299.4	4332.4	4352.2	4358.8	4352.2	4332.4	4299.4	4253.6	4195.1	4124.1	4041.1
50°	4657.3	4689.8	4709.4	4715.9	4709.4	4689.8	4657.3	4612.1	4554.4	4484.6	4403.0
47.5°	4985.7	5018.3	5037.9	5044.5	5037.9	5018.3	4985.7	4940.3	4882.5	4812.6	4731.0
45°	5273.5	5304.2	5322.8	5329.0	5322.8	5304.2	5273.5	5230.7	5176.2	5110.4	5032.1
42.5°	5521.6	5550.5	5567.9	5573.7	5567.9	5550.5	5521.6	5481.5	5430.6	5369.2	5292.7
40°	5738.6	5766.2	5782.9	5788.5	5782.9	5766.2	5738.6	5700.3	5651.7	5593.2	5518.5
37.5°	5925.4	5951.2	5966.8	5972.0	5966.8	5951.2	5925.4	5889.8	5844.6	5790.3	5717.0
35°	6083.0	6106.6	6120.9	6125.7	6120.9	6106.6	6083.0	6050.4	6009.2	5957.4	5889.4
32.5°	6216.7	6238.7	6252.0	6256.5	6252.0	6238.7	6216.7	6186.3	6148.0	6098.2	6036.4
30°	6326.5	6346.0	6357.8	6361.8	6357.8	6346.0	6326.5	6299.7	6266.0	6218.5	6161.5
27.5°	6413.7	6430.6	6440.8	6444.3	6440.8	6430.6	6413.7	6390.6	6361.6	6317.9	6268.1
25°	6471.0	6481.4	6487.7	6489.8	6487.7	6481.4	6471.0	6456.9	6435.4	6397.9	6353.8
22.5°	6495.9	6498.8	6500.6	6501.2	6500.6	6498.8	6495.9	6492.0	6479.2	6456.6	6420.5
20°	6497.8	6495.8	6494.5	6494.1	6494.5	6495.8	6497.8	6500.5	6496.9	6490.6	6465.5
17.5°	6486.1	6479.6	6475.6	6474.2	6475.6	6479.6	6486.1	6494.3	6498.1	6499.4	6491.8
15°	6466.3	6456.7	6450.7	6448.6	6450.7	6456.7	6466.3	6477.9	6489.6	6497.2	6499.4
12.5°	6444.2	6433.6	6426.8	6424.4	6426.8	6433.6	6444.2	6458.4	6475.1	6489.6	6498.1
10°	6424.2	6415.3	6409.4	6407.3	6409.4	6415.3	6424.2	6439.9	6458.4	6477.9	6494.3
7.5°	6411.3	6403.4	6399.0	6397.4	6399.0	6403.4	6411.3	6424.2	6444.2	6466.3	6486.1
5°	6403.4	6395.4	6388.7	6386.0	6388.7	6395.4	6403.4	6415.3	6433.6	6456.7	6479.6
2.5°	6399.0	6388.7	6378.5	6373.2	6378.5	6388.7	6399.0	6409.4	6426.8	6450.7	6475.6
0°	6397.4	6386.0	6373.2	6374.6	6373.2	6386.0	6397.4	6407.3	6424.4	6448.6	6474.2
-2.5°	6399.0	6388.7	6378.5	6373.2	6378.5	6388.7	6399.0	6409.4	6426.8	6450.7	6475.6
-5°	6403.4	6395.4	6388.7	6386.0	6388.7	6395.4	6403.4	6415.3	6433.6	6456.7	6479.6
-7.5°	6411.3	6403.4	6399.0	6397.4	6399.0	6403.4	6411.3	6424.2	6444.2	6466.3	6486.1
-10°	6424.2	6415.3	6409.4	6407.3	6409.4	6415.3	6424.2	6439.9	6458.4	6477.9	6494.3
-12.5°	6444.2	6433.6	6426.8	6424.4	6426.8	6433.6	6444.2	6458.4	6475.1	6489.6	6498.1
-15°	6466.3	6456.7	6450.7	6448.6	6450.7	6456.7	6466.3	6477.9	6489.6	6497.2	6499.4
-17.5°	6486.1	6479.6	6475.6	6474.2	6475.6	6479.6	6486.1	6494.3	6498.1	6499.4	6491.8
-20°	6497.8	6495.8	6494.5	6494.1	6494.5	6495.8	6497.8	6500.5	6496.9	6490.6	6465.5

Classified

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

Scaled Data Report



REPORT NUMBER: P645432 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA3D-730-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°	6495.9	6498.8	6500.6	6501.2	6500.6	6498.8	6495.9	6492.0	6479.2	6456.6	6420.5
-25°	6471.0	6481.4	6487.7	6489.8	6487.7	6481.4	6471.0	6456.9	6435.4	6397.9	6353.8
-27.5°	6413.7	6430.6	6440.8	6444.3	6440.8	6430.6	6413.7	6390.6	6361.6	6317.9	6268.1
-30°	6326.5	6346.0	6357.8	6361.8	6357.8	6346.0	6326.5	6299.7	6266.0	6218.5	6161.5
-32.5°	6216.7	6238.7	6252.0	6256.5	6252.0	6238.7	6216.7	6186.3	6148.0	6098.2	6036.4
-35°	6083.0	6106.6	6120.9	6125.7	6120.9	6106.6	6083.0	6050.4	6009.2	5957.4	5889.4
-37.5°	5925.4	5951.2	5966.8	5972.0	5966.8	5951.2	5925.4	5889.8	5844.6	5790.3	5717.0
-40°	5738.6	5766.2	5782.9	5788.5	5782.9	5766.2	5738.6	5700.3	5651.7	5593.2	5518.5
-42.5°	5521.6	5550.5	5567.9	5573.7	5567.9	5550.5	5521.6	5481.5	5430.6	5369.2	5292.7
-45°	5273.5	5304.2	5322.8	5329.0	5322.8	5304.2	5273.5	5230.7	5176.2	5110.4	5032.1
-47.5°	4985.7	5018.3	5037.9	5044.5	5037.9	5018.3	4985.7	4940.3	4882.5	4812.6	4731.0
-50°	4657.3	4689.8	4709.4	4715.9	4709.4	4689.8	4657.3	4612.1	4554.4	4484.6	4403.0
-52.5°	4299.4	4332.4	4352.2	4358.8	4352.2	4332.4	4299.4	4253.6	4195.1	4124.1	4041.1
-55°	3903.3	3936.6	3956.6	3963.3	3956.6	3936.6	3903.3	3856.9	3797.6	3725.7	3641.5
-57.5°	3463.5	3497.7	3518.3	3525.2	3518.3	3497.7	3463.5	3415.7	3354.7	3280.5	3193.7
-60°	2971.6	3004.0	3023.6	3030.1	3023.6	3004.0	2971.6	2926.3	2868.3	2797.9	2715.4
-62.5°	2461.1	2489.5	2506.6	2512.3	2506.6	2489.5	2461.1	2421.5	2370.7	2309.1	2236.7
-65°	1970.6	1992.5	2005.7	2010.1	2005.7	1992.5	1970.6	1940.0	1900.8	1853.2	1797.2
-67.5°	1550.5	1565.5	1574.6	1577.6	1574.6	1565.5	1550.5	1529.4	1502.5	1469.8	1431.3
-70°	1223.4	1234.5	1241.1	1243.3	1241.1	1234.5	1223.4	1208.0	1188.3	1164.2	1136.0
-72.5°	950.9	958.4	963.0	964.5	963.0	958.4	950.9	940.3	926.8	910.3	890.9
-75°	735.2	740.1	743.0	744.0	743.0	740.1	735.2	728.3	719.6	708.9	696.4
-77.5°	569.7	573.2	575.4	576.1	575.4	573.2	569.7	564.7	558.3	550.5	541.4
-80°	422.8	425.8	427.6	428.2	427.6	425.8	422.8	418.7	413.3	406.9	399.2
-82.5°	269.5	271.5	272.7	273.1	272.7	271.5	269.5	266.6	263.0	258.6	253.4
-85°	130.6	131.6	132.1	132.3	132.1	131.6	130.6	129.4	127.7	125.7	123.3
-87.5°	35.3	35.5	35.6	35.6	35.6	35.5	35.3	35.1	34.8	34.4	34.0
-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: P645432 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3D-730-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°	33.5	32.9	32.3	31.6	30.8	30.0	29.2	28.2	27.3	26.2	25.2
85°	120.6	117.5	114.1	110.4	106.3	102.0	97.3	92.3	87.0	81.4	75.6
82.5°	247.5	240.8	233.3	225.1	216.2	206.7	196.4	185.5	173.9	161.7	149.0
80°	390.4	380.5	369.6	357.5	344.4	330.3	315.1	299.1	282.1	265.0	247.9
77.5°	530.8	519.0	505.9	491.4	475.7	458.8	440.8	421.2	399.9	377.5	354.0
75°	682.0	665.7	647.7	628.0	606.5	583.4	560.7	537.6	513.1	487.4	460.5
72.5°	868.7	843.7	815.9	785.4	752.4	723.3	694.3	663.5	631.0	596.9	562.9
70°	1103.6	1067.1	1026.7	982.4	940.6	899.7	856.0	809.6	760.7	717.5	676.5
67.5°	1387.2	1337.5	1282.5	1225.8	1171.3	1112.8	1050.2	983.9	924.5	866.4	805.7
65°	1733.1	1661.1	1581.2	1512.9	1439.7	1361.1	1277.3	1197.6	1119.5	1037.5	954.6
62.5°	2153.8	2060.7	1965.0	1867.9	1762.9	1650.1	1540.8	1442.5	1338.9	1232.5	1138.1
60°	2620.9	2514.9	2401.1	2276.8	2142.5	2000.0	1867.9	1728.2	1581.2	1461.5	1337.5
57.5°	3094.4	2980.8	2852.2	2711.7	2560.1	2401.1	2233.5	2056.5	1889.9	1722.4	1554.8
55°	3545.3	3426.1	3291.8	3145.3	2985.4	2808.6	2620.9	2425.5	2224.0	2013.5	1824.6
52.5°	3944.6	3827.2	3697.9	3557.1	3389.9	3206.8	3011.9	2797.9	2573.8	2345.2	2109.9
50°	4304.8	4189.7	4063.1	3921.5	3757.5	3582.7	3381.0	3161.0	2926.3	2675.6	2418.7
47.5°	4631.4	4518.9	4395.3	4250.7	4091.2	3916.9	3718.2	3507.5	3261.2	3004.0	2726.9
45°	4931.6	4819.7	4695.3	4550.9	4396.1	4218.0	4026.0	3809.8	3577.4	3311.7	3030.1
42.5°	5198.5	5093.9	4969.4	4826.5	4670.2	4494.3	4303.9	4089.5	3856.0	3600.1	3311.7
40°	5431.0	5334.0	5211.7	5079.1	4921.0	4748.3	4554.0	4347.2	4110.7	3856.0	3577.4
37.5°	5634.1	5538.0	5424.3	5297.8	5146.7	4978.5	4785.9	4574.0	4347.2	4089.5	3809.8
35°	5812.8	5718.3	5611.2	5485.8	5347.3	5180.9	4997.8	4785.9	4554.0	4303.9	4026.0
32.5°	5966.3	5875.6	5775.7	5653.2	5516.9	5362.4	5180.9	4978.5	4748.3	4494.3	4218.0
30°	6093.0	6011.3	5914.0	5802.5	5667.4	5516.9	5347.3	5146.7	4921.0	4670.2	4396.1
27.5°	6202.2	6127.5	6033.8	5927.0	5802.5	5653.2	5485.8	5297.8	5079.1	4826.5	4550.9
25°	6294.1	6222.9	6137.4	6033.8	5914.0	5775.7	5611.2	5424.3	5211.7	4969.4	4695.3
22.5°	6369.9	6302.8	6222.9	6127.5	6011.3	5875.6	5718.3	5538.0	5334.0	5093.9	4819.7
20°	6428.1	6369.9	6294.1	6202.2	6093.0	5966.3	5812.8	5634.1	5431.0	5198.5	4931.6
17.5°	6465.5	6420.5	6353.8	6268.1	6161.5	6036.4	5889.4	5717.0	5518.5	5292.7	5032.1
15°	6490.6	6456.6	6397.9	6317.9	6218.5	6098.2	5957.4	5790.3	5593.2	5369.2	5110.4
12.5°	6496.9	6479.2	6435.4	6361.6	6266.0	6148.0	6009.2	5844.6	5651.7	5430.6	5176.2
10°	6500.5	6492.0	6456.9	6390.6	6299.7	6186.3	6050.4	5889.8	5700.3	5481.5	5230.7
7.5°	6497.8	6495.9	6471.0	6413.7	6326.5	6216.7	6083.0	5925.4	5738.6	5521.6	5273.5
5°	6495.8	6498.8	6481.4	6430.6	6346.0	6238.7	6106.6	5951.2	5766.2	5550.5	5304.2
2.5°	6494.5	6500.6	6487.7	6440.8	6357.8	6252.0	6120.9	5966.8	5782.9	5567.9	5322.8
0°	6494.1	6501.2	6489.8	6444.3	6361.8	6256.5	6125.7	5972.0	5788.5	5573.7	5329.0
-2.5°	6494.5	6500.6	6487.7	6440.8	6357.8	6252.0	6120.9	5966.8	5782.9	5567.9	5322.8
-5°	6495.8	6498.8	6481.4	6430.6	6346.0	6238.7	6106.6	5951.2	5766.2	5550.5	5304.2
-7.5°	6497.8	6495.9	6471.0	6413.7	6326.5	6216.7	6083.0	5925.4	5738.6	5521.6	5273.5
-10°	6500.5	6492.0	6456.9	6390.6	6299.7	6186.3	6050.4	5889.8	5700.3	5481.5	5230.7
-12.5°	6496.9	6479.2	6435.4	6361.6	6266.0	6148.0	6009.2	5844.6	5651.7	5430.6	5176.2
-15°	6490.6	6456.6	6397.9	6317.9	6218.5	6098.2	5957.4	5790.3	5593.2	5369.2	5110.4
-17.5°	6465.5	6420.5	6353.8	6268.1	6161.5	6036.4	5889.4	5717.0	5518.5	5292.7	5032.1
-20°	6428.1	6369.9	6294.1	6202.2	6093.0	5966.3	5812.8	5634.1	5431.0	5198.5	4931.6



REPORT NUMBER: P645432 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3D-730-U-LAM-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	6369.9	6302.8	6222.9	6127.5	6011.3	5875.6	5718.3	5538.0	5334.0	5093.9	4819.7
-25°	6294.1	6222.9	6137.4	6033.8	5914.0	5775.7	5611.2	5424.3	5211.7	4969.4	4695.3
-27.5°	6202.2	6127.5	6033.8	5927.0	5802.5	5653.2	5485.8	5297.8	5079.1	4826.5	4550.9
-30°	6093.0	6011.3	5914.0	5802.5	5667.4	5516.9	5347.3	5146.7	4921.0	4670.2	4396.1
-32.5°	5966.3	5875.6	5775.7	5653.2	5516.9	5362.4	5180.9	4978.5	4748.3	4494.3	4218.0
-35°	5812.8	5718.3	5611.2	5485.8	5347.3	5180.9	4997.8	4785.9	4554.0	4303.9	4026.0
-37.5°	5634.1	5538.0	5424.3	5297.8	5146.7	4978.5	4785.9	4574.0	4347.2	4089.5	3809.8
-40°	5431.0	5334.0	5211.7	5079.1	4921.0	4748.3	4554.0	4347.2	4110.7	3856.0	3577.4
-42.5°	5198.5	5093.9	4969.4	4826.5	4670.2	4494.3	4303.9	4089.5	3856.0	3600.1	3311.7
-45°	4931.6	4819.7	4695.3	4550.9	4396.1	4218.0	4026.0	3809.8	3577.4	3311.7	3030.1
-47.5°	4631.4	4518.9	4395.3	4250.7	4091.2	3916.9	3718.2	3507.5	3261.2	3004.0	2726.9
-50°	4304.8	4189.7	4063.1	3921.5	3757.5	3582.7	3381.0	3161.0	2926.3	2675.6	2418.7
-52.5°	3944.6	3827.2	3697.9	3557.1	3389.9	3206.8	3011.9	2797.9	2573.8	2345.2	2109.9
-55°	3545.3	3426.1	3291.8	3145.3	2985.4	2808.6	2620.9	2425.5	2224.0	2013.5	1824.6
-57.5°	3094.4	2980.8	2852.2	2711.7	2560.1	2401.1	2233.5	2056.5	1889.9	1722.4	1554.8
-60°	2620.9	2514.9	2401.1	2276.8	2142.5	2000.0	1867.9	1728.2	1581.2	1461.5	1337.5
-62.5°	2153.8	2060.7	1965.0	1867.9	1762.9	1650.1	1540.8	1442.5	1338.9	1232.5	1138.1
-65°	1733.1	1661.1	1581.2	1512.9	1439.7	1361.1	1277.3	1197.6	1119.5	1037.5	954.6
-67.5°	1387.2	1337.5	1282.5	1225.8	1171.3	1112.8	1050.2	983.9	924.5	866.4	805.7
-70°	1103.6	1067.1	1026.7	982.4	940.6	899.7	856.0	809.6	760.7	717.5	676.5
-72.5°	868.7	843.7	815.9	785.4	752.4	723.3	694.3	663.5	631.0	596.9	562.9
-75°	682.0	665.7	647.7	628.0	606.5	583.4	560.7	537.6	513.1	487.4	460.5
-77.5°	530.8	519.0	505.9	491.4	475.7	458.8	440.8	421.2	399.9	377.5	354.0
-80°	390.4	380.5	369.6	357.5	344.4	330.3	315.1	299.1	282.1	265.0	247.9
-82.5°	247.5	240.8	233.3	225.1	216.2	206.7	196.4	185.5	173.9	161.7	149.0
-85°	120.6	117.5	114.1	110.4	106.3	102.0	97.3	92.3	87.0	81.4	75.6
-87.5°	33.5	32.9	32.3	31.6	30.8	30.0	29.2	28.2	27.3	26.2	25.2
-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: P645432 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3D-730-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	22.9	21.7	20.4	19.1	17.8	16.4	15.0	13.6	12.2	10.7
85°	69.5	63.1	56.5	49.7	42.7	35.6	32.8	30.1	27.2	24.3	21.4
82.5°	135.6	125.1	115.2	105.0	94.5	83.6	72.6	61.2	49.6	37.9	32.0
80°	230.1	211.6	192.5	172.6	152.2	131.6	116.8	101.7	86.3	70.6	54.7
77.5°	329.4	303.9	277.5	252.3	226.8	200.6	173.7	146.3	122.7	103.1	83.2
75°	432.4	401.9	370.2	337.5	303.7	269.5	237.3	204.4	170.8	136.7	111.6
72.5°	530.0	495.9	460.6	424.0	384.6	344.3	303.0	261.9	222.9	183.2	142.9
70°	633.8	589.5	547.5	505.9	463.1	418.7	371.5	323.4	274.4	229.0	183.2
67.5°	742.9	693.0	641.4	588.2	538.6	489.2	438.7	385.2	330.2	274.4	222.9
65°	884.2	811.3	737.8	678.8	618.1	558.3	502.3	445.3	385.2	323.4	261.9
62.5°	1040.0	943.9	860.9	775.6	701.4	633.1	564.9	502.3	438.7	371.5	303.0
60°	1214.6	1103.6	989.1	890.9	795.5	708.9	633.1	558.3	489.2	418.7	344.3
57.5°	1415.0	1270.6	1142.0	1014.7	901.0	795.5	701.4	618.1	538.6	463.1	384.6
55°	1629.4	1461.9	1301.7	1154.9	1014.7	890.9	775.6	678.8	588.2	505.9	424.0
52.5°	1886.4	1670.3	1477.6	1301.7	1142.0	989.1	860.9	737.8	641.4	547.5	460.6
50°	2158.4	1907.1	1670.3	1461.9	1270.6	1103.6	943.9	811.3	693.0	589.5	495.9
47.5°	2443.3	2158.4	1886.4	1629.4	1415.0	1214.6	1040.0	884.2	742.9	633.8	530.0
45°	2726.9	2418.7	2109.9	1824.6	1554.8	1337.5	1138.1	954.6	805.7	676.5	562.9
42.5°	3004.0	2675.6	2345.2	2013.5	1722.4	1461.5	1232.5	1037.5	866.4	717.5	596.9
40°	3261.2	2926.3	2573.8	2224.0	1889.9	1581.2	1338.9	1119.5	924.5	760.7	631.0
37.5°	3507.5	3161.0	2797.9	2425.5	2056.5	1728.2	1442.5	1197.6	983.9	809.6	663.5
35°	3718.2	3381.0	3011.9	2620.9	2233.5	1867.9	1540.8	1277.3	1050.2	856.0	694.3
32.5°	3916.9	3582.7	3206.8	2808.6	2401.1	2000.0	1650.1	1361.1	1112.8	899.7	723.3
30°	4091.2	3757.5	3389.9	2985.4	2560.1	2142.5	1762.9	1439.7	1171.3	940.6	752.4
27.5°	4250.7	3921.5	3557.1	3145.3	2711.7	2276.8	1867.9	1512.9	1225.8	982.4	785.4
25°	4395.3	4063.1	3697.9	3291.8	2852.2	2401.1	1965.0	1581.2	1282.5	1026.7	815.9
22.5°	4518.9	4189.7	3827.2	3426.1	2980.8	2514.9	2060.7	1661.1	1337.5	1067.1	843.7
20°	4631.4	4304.8	3944.6	3545.3	3094.4	2620.9	2153.8	1733.1	1387.2	1103.6	868.7
17.5°	4731.0	4403.0	4041.1	3641.5	3193.7	2715.4	2236.7	1797.2	1431.3	1136.0	890.9
15°	4812.6	4484.6	4124.1	3725.7	3280.5	2797.9	2309.1	1853.2	1469.8	1164.2	910.3
12.5°	4882.5	4554.4	4195.1	3797.6	3354.7	2868.3	2370.7	1900.8	1502.5	1188.3	926.8
10°	4940.3	4612.1	4253.6	3856.9	3415.7	2926.3	2421.5	1940.0	1529.4	1208.0	940.3
7.5°	4985.7	4657.3	4299.4	3903.3	3463.5	2971.6	2461.1	1970.6	1550.5	1223.4	950.9
5°	5018.3	4689.8	4332.4	3936.6	3497.7	3004.0	2489.5	1992.5	1565.5	1234.5	958.4
2.5°	5037.9	4709.4	4352.2	3956.6	3518.3	3023.6	2506.6	2005.7	1574.6	1241.1	963.0
0°	5044.5	4715.9	4358.8	3963.3	3525.2	3030.1	2512.3	2010.1	1577.6	1243.3	964.5
-2.5°	5037.9	4709.4	4352.2	3956.6	3518.3	3023.6	2506.6	2005.7	1574.6	1241.1	963.0
-5°	5018.3	4689.8	4332.4	3936.6	3497.7	3004.0	2489.5	1992.5	1565.5	1234.5	958.4
-7.5°	4985.7	4657.3	4299.4	3903.3	3463.5	2971.6	2461.1	1970.6	1550.5	1223.4	950.9
-10°	4940.3	4612.1	4253.6	3856.9	3415.7	2926.3	2421.5	1940.0	1529.4	1208.0	940.3
-12.5°	4882.5	4554.4	4195.1	3797.6	3354.7	2868.3	2370.7	1900.8	1502.5	1188.3	926.8
-15°	4812.6	4484.6	4124.1	3725.7	3280.5	2797.9	2309.1	1853.2	1469.8	1164.2	910.3
-17.5°	4731.0	4403.0	4041.1	3641.5	3193.7	2715.4	2236.7	1797.2	1431.3	1136.0	890.9
-20°	4631.4	4304.8	3944.6	3545.3	3094.4	2620.9	2153.8	1733.1	1387.2	1103.6	868.7

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REPORT NUMBER: P645432 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA3D-730-U-LAM-XX

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	4518.9	4189.7	3827.2	3426.1	2980.8	2514.9	2060.7	1661.1	1337.5	1067.1	843.7
-25°	4395.3	4063.1	3697.9	3291.8	2852.2	2401.1	1965.0	1581.2	1282.5	1026.7	815.9
-27.5°	4250.7	3921.5	3557.1	3145.3	2711.7	2276.8	1867.9	1512.9	1225.8	982.4	785.4
-30°	4091.2	3757.5	3389.9	2985.4	2560.1	2142.5	1762.9	1439.7	1171.3	940.6	752.4
-32.5°	3916.9	3582.7	3206.8	2808.6	2401.1	2000.0	1650.1	1361.1	1112.8	899.7	723.3
-35°	3718.2	3381.0	3011.9	2620.9	2233.5	1867.9	1540.8	1277.3	1050.2	856.0	694.3
-37.5°	3507.5	3161.0	2797.9	2425.5	2056.5	1728.2	1442.5	1197.6	983.9	809.6	663.5
-40°	3261.2	2926.3	2573.8	2224.0	1889.9	1581.2	1338.9	1119.5	924.5	760.7	631.0
-42.5°	3004.0	2675.6	2345.2	2013.5	1722.4	1461.5	1232.5	1037.5	866.4	717.5	596.9
-45°	2726.9	2418.7	2109.9	1824.6	1554.8	1337.5	1138.1	954.6	805.7	676.5	562.9
-47.5°	2443.3	2158.4	1886.4	1629.4	1415.0	1214.6	1040.0	884.2	742.9	633.8	530.0
-50°	2158.4	1907.1	1670.3	1461.9	1270.6	1103.6	943.9	811.3	693.0	589.5	495.9
-52.5°	1886.4	1670.3	1477.6	1301.7	1142.0	989.1	860.9	737.8	641.4	547.5	460.6
-55°	1629.4	1461.9	1301.7	1154.9	1014.7	890.9	775.6	678.8	588.2	505.9	424.0
-57.5°	1415.0	1270.6	1142.0	1014.7	901.0	795.5	701.4	618.1	538.6	463.1	384.6
-60°	1214.6	1103.6	989.1	890.9	795.5	708.9	633.1	558.3	489.2	418.7	344.3
-62.5°	1040.0	943.9	860.9	775.6	701.4	633.1	564.9	502.3	438.7	371.5	303.0
-65°	884.2	811.3	737.8	678.8	618.1	558.3	502.3	445.3	385.2	323.4	261.9
-67.5°	742.9	693.0	641.4	588.2	538.6	489.2	438.7	385.2	330.2	274.4	222.9
-70°	633.8	589.5	547.5	505.9	463.1	418.7	371.5	323.4	274.4	229.0	183.2
-72.5°	530.0	495.9	460.6	424.0	384.6	344.3	303.0	261.9	222.9	183.2	142.9
-75°	432.4	401.9	370.2	337.5	303.7	269.5	237.3	204.4	170.8	136.7	111.6
-77.5°	329.4	303.9	277.5	252.3	226.8	200.6	173.7	146.3	122.7	103.1	83.2
-80°	230.1	211.6	192.5	172.6	152.2	131.6	116.8	101.7	86.3	70.6	54.7
-82.5°	135.6	125.1	115.2	105.0	94.5	83.6	72.6	61.2	49.6	37.9	32.0
-85°	69.5	63.1	56.5	49.7	42.7	35.6	32.8	30.1	27.2	24.3	21.4
-87.5°	24.0	22.9	21.7	20.4	19.1	17.8	16.4	15.0	13.6	12.2	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: P645432 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA3D-730-U-LAM-XX

**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	1.6	0.0
85°	18.4	15.4	12.3	9.3	6.2	3.1	0.0
82.5°	27.6	23.1	18.5	13.9	9.3	4.6	0.0
80°	38.5	30.7	24.6	18.5	12.3	6.2	0.0
77.5°	63.1	42.8	30.7	23.1	15.4	7.7	0.0
75°	87.5	63.1	38.5	27.6	18.4	9.2	0.0
72.5°	111.6	83.2	54.7	32.0	21.4	10.7	0.0
70°	136.7	103.1	70.6	37.9	24.3	12.2	0.0
67.5°	170.8	122.7	86.3	49.6	27.2	13.6	0.0
65°	204.4	146.3	101.7	61.2	30.1	15.0	0.0
62.5°	237.3	173.7	116.8	72.6	32.8	16.4	0.0
60°	269.5	200.6	131.6	83.6	35.6	17.8	0.0
57.5°	303.7	226.8	152.2	94.5	42.7	19.1	0.0
55°	337.5	252.3	172.6	105.0	49.7	20.4	0.0
52.5°	370.2	277.5	192.5	115.2	56.5	21.7	0.0
50°	401.9	303.9	211.6	125.1	63.1	22.9	0.0
47.5°	432.4	329.4	230.1	135.6	69.5	24.0	0.0
45°	460.5	354.0	247.9	149.0	75.6	25.2	0.0
42.5°	487.4	377.5	265.0	161.7	81.4	26.2	0.0
40°	513.1	399.9	282.1	173.9	87.0	27.3	0.0
37.5°	537.6	421.2	299.1	185.5	92.3	28.2	0.0
35°	560.7	440.8	315.1	196.4	97.3	29.2	0.0
32.5°	583.4	458.8	330.3	206.7	102.0	30.0	0.0
30°	606.5	475.7	344.4	216.2	106.3	30.8	0.0
27.5°	628.0	491.4	357.5	225.1	110.4	31.6	0.0
25°	647.7	505.9	369.6	233.3	114.1	32.3	0.0
22.5°	665.7	519.0	380.5	240.8	117.5	32.9	0.0
20°	682.0	530.8	390.4	247.5	120.6	33.5	0.0
17.5°	696.4	541.4	399.2	253.4	123.3	34.0	0.0
15°	708.9	550.5	406.9	258.6	125.7	34.4	0.0
12.5°	719.6	558.3	413.3	263.0	127.7	34.8	0.0
10°	728.3	564.7	418.7	266.6	129.4	35.1	0.0
7.5°	735.2	569.7	422.8	269.5	130.6	35.3	0.0
5°	740.1	573.2	425.8	271.5	131.6	35.5	0.0
2.5°	743.0	575.4	427.6	272.7	132.1	35.6	0.0
0°	744.0	576.1	428.2	273.1	132.3	35.6	0.0
-2.5°	743.0	575.4	427.6	272.7	132.1	35.6	0.0
-5°	740.1	573.2	425.8	271.5	131.6	35.5	0.0
-7.5°	735.2	569.7	422.8	269.5	130.6	35.3	0.0
-10°	728.3	564.7	418.7	266.6	129.4	35.1	0.0
-12.5°	719.6	558.3	413.3	263.0	127.7	34.8	0.0
-15°	708.9	550.5	406.9	258.6	125.7	34.4	0.0
-17.5°	696.4	541.4	399.2	253.4	123.3	34.0	0.0
-20°	682.0	530.8	390.4	247.5	120.6	33.5	0.0

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CATALOG NUMBER: GFLD-SA3D-730-U-LAM-XX

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	665.7	519.0	380.5	240.8	117.5	32.9	0.0
-25°	647.7	505.9	369.6	233.3	114.1	32.3	0.0
-27.5°	628.0	491.4	357.5	225.1	110.4	31.6	0.0
-30°	606.5	475.7	344.4	216.2	106.3	30.8	0.0
-32.5°	583.4	458.8	330.3	206.7	102.0	30.0	0.0
-35°	560.7	440.8	315.1	196.4	97.3	29.2	0.0
-37.5°	537.6	421.2	299.1	185.5	92.3	28.2	0.0
-40°	513.1	399.9	282.1	173.9	87.0	27.3	0.0
-42.5°	487.4	377.5	265.0	161.7	81.4	26.2	0.0
-45°	460.5	354.0	247.9	149.0	75.6	25.2	0.0
-47.5°	432.4	329.4	230.1	135.6	69.5	24.0	0.0
-50°	401.9	303.9	211.6	125.1	63.1	22.9	0.0
-52.5°	370.2	277.5	192.5	115.2	56.5	21.7	0.0
-55°	337.5	252.3	172.6	105.0	49.7	20.4	0.0
-57.5°	303.7	226.8	152.2	94.5	42.7	19.1	0.0
-60°	269.5	200.6	131.6	83.6	35.6	17.8	0.0
-62.5°	237.3	173.7	116.8	72.6	32.8	16.4	0.0
-65°	204.4	146.3	101.7	61.2	30.1	15.0	0.0
-67.5°	170.8	122.7	86.3	49.6	27.2	13.6	0.0
-70°	136.7	103.1	70.6	37.9	24.3	12.2	0.0
-72.5°	111.6	83.2	54.7	32.0	21.4	10.7	0.0
-75°	87.5	63.1	38.5	27.6	18.4	9.2	0.0
-77.5°	63.1	42.8	30.7	23.1	15.4	7.7	0.0
-80°	38.5	30.7	24.6	18.5	12.3	6.2	0.0
-82.5°	27.6	23.1	18.5	13.9	9.3	4.6	0.0
-85°	18.4	15.4	12.3	9.3	6.2	3.1	0.0
-87.5°	9.2	7.7	6.2	4.6	3.1	1.6	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)