

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: P645526 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA5D-727-U-LAM-XX

Issue Date: 2/28/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P645526 (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: 5/9/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: MCGRAW-EDISON  
Catalog Number: GFLD-SA5D-727-U-LAM-XX  
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, LAMBERTIAN  
Light Source: (80) 2700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 32286.2 lumens  
Efficiency: N/A  
Efficacy: 119.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')

Beam Angle (50%): 117.8°H x 112°V  
Beam Lumens: 26869.2 lumens  
Beam Efficiency: 83.2%

Field Angle (10%): 152.8°H x 150.5°V  
Field Lumens: 31651.2 lumens  
Field Efficiency: 98.0%

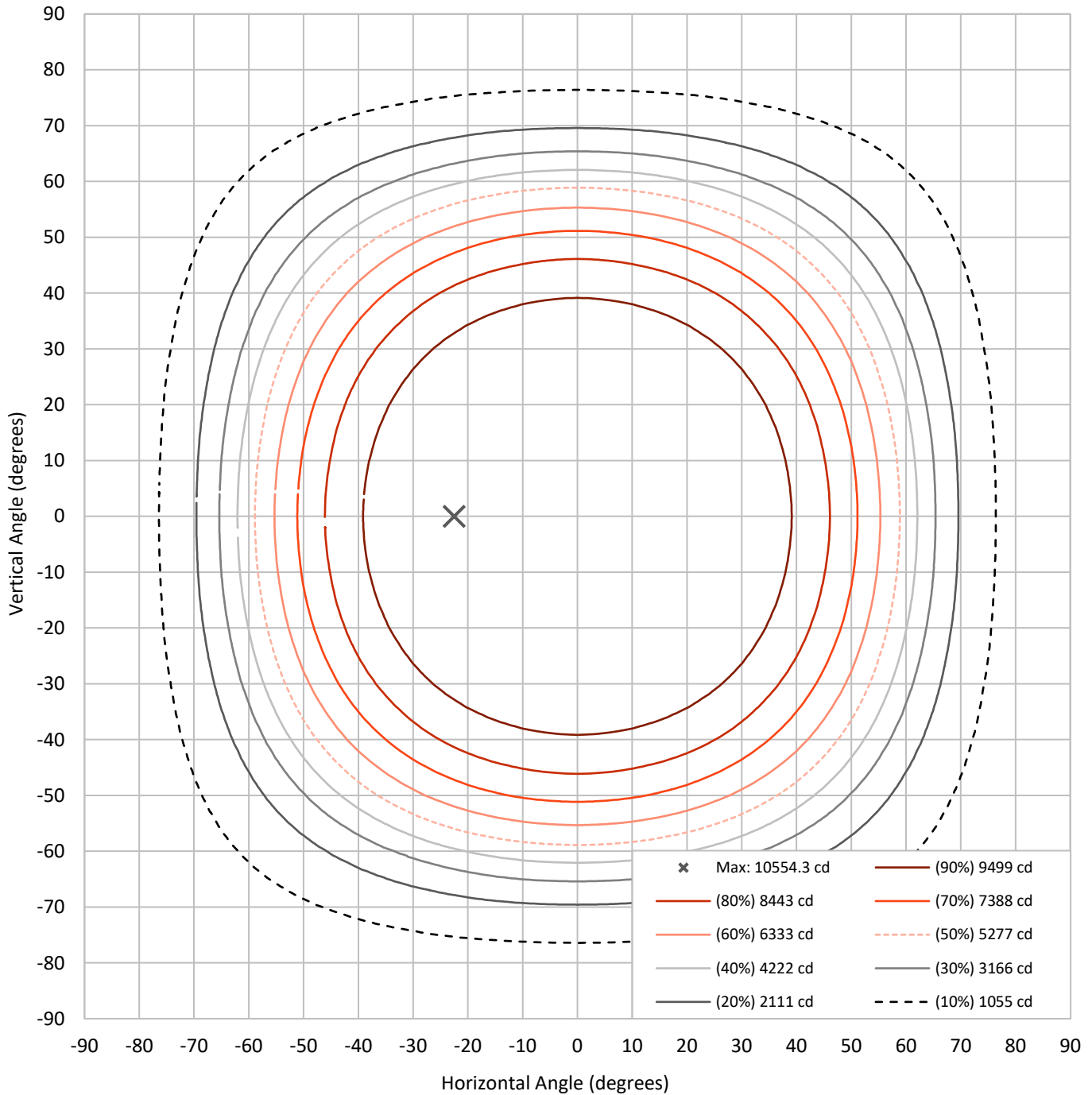
NEMA Type: 7H x 7V  
Max Intensity: 10554.3 candela  
Max Intensity Angle: -22.5°H x 0°V

Input Watts (W): 271.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Candela Plot





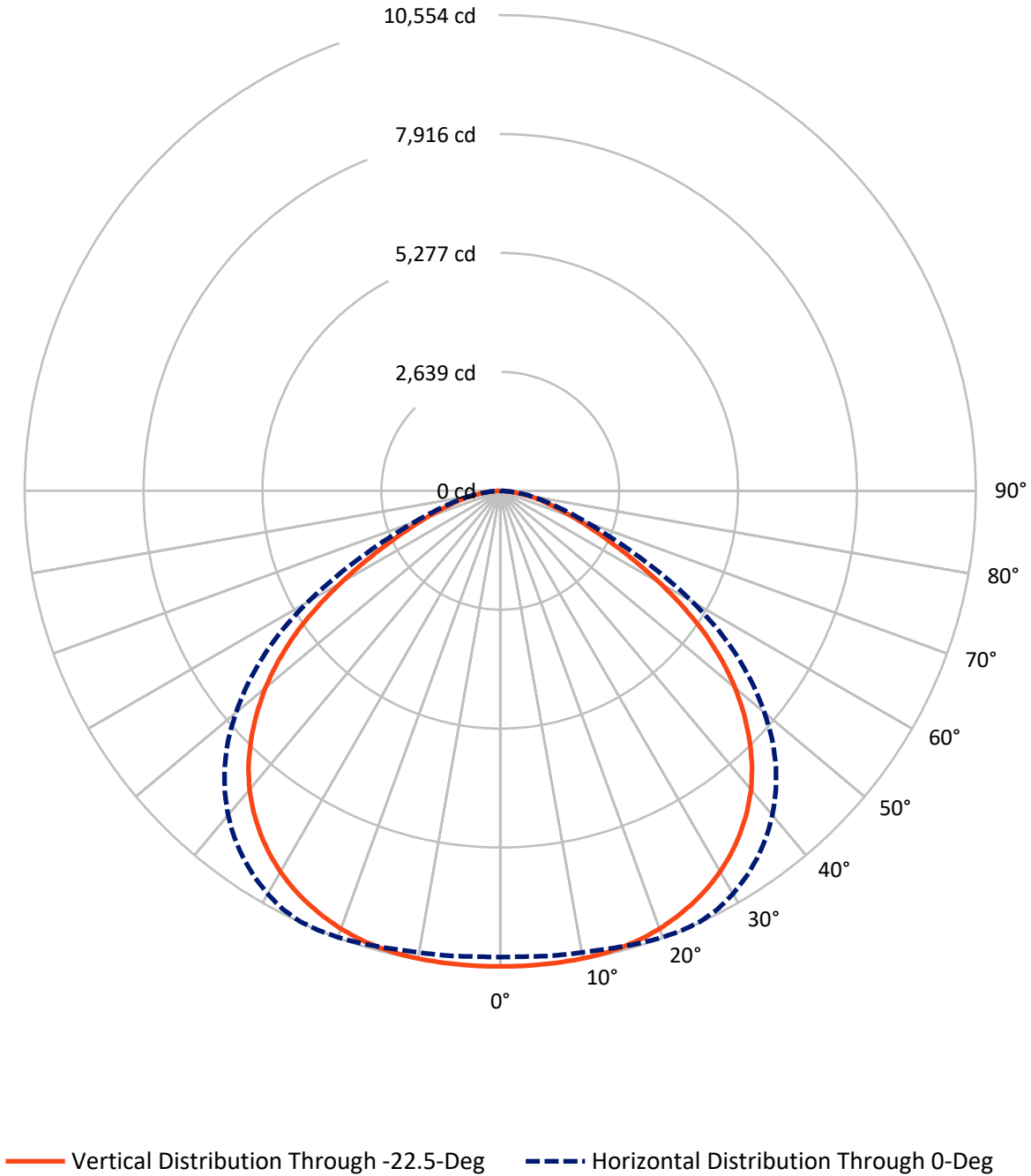
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### Lumen Table

90																			
80	1.6	16.7	47.3	78.7	92.1	78.7	47.3	16.7	1.6										
70																			
60	8.0	9.4	19.6	34.3	53.1	73.3	90.5	100.1	100.1	90.5	73.3	53.1	34.3	19.6	9.4	8.0			
50																			
40	15.1	14.6	33.5	64.9	106.1	146.0	175.8	191.6	191.6	175.8	146.0	106.1	64.9	33.5	14.6	15.1			
30																			
20	20.6	20.8	52.9	105.5	161.7	208.8	242.0	259.1	259.1	242.0	208.8	161.7	105.5	52.9	20.8	20.6			
10																			
0	22.8	27.9	74.9	139.9	201.1	250.0	282.8	299.2	299.2	282.8	250.0	201.1	139.9	74.9	27.9	22.8			
-10																			
-20	20.6	35.0	93.2	163.3	226.1	273.7	304.1	317.6	317.6	304.1	273.7	226.1	163.3	93.2	35.0	20.6			
-30																			
-40	15.1	40.6	105.3	177.7	240.1	285.4	309.5	317.8	317.8	309.5	285.4	240.1	177.7	105.3	40.6	15.1			
-50																			
-60	8.0	43.6	111.2	184.4	246.3	289.0	308.1	314.8	314.8	308.1	289.0	246.3	184.4	111.2	43.6	8.0			
-70																			
-80	1.6	43.6	111.2	184.4	246.3	289.0	308.1	314.8	314.8	308.1	289.0	246.3	184.4	111.2	43.6	1.6			
-90																			

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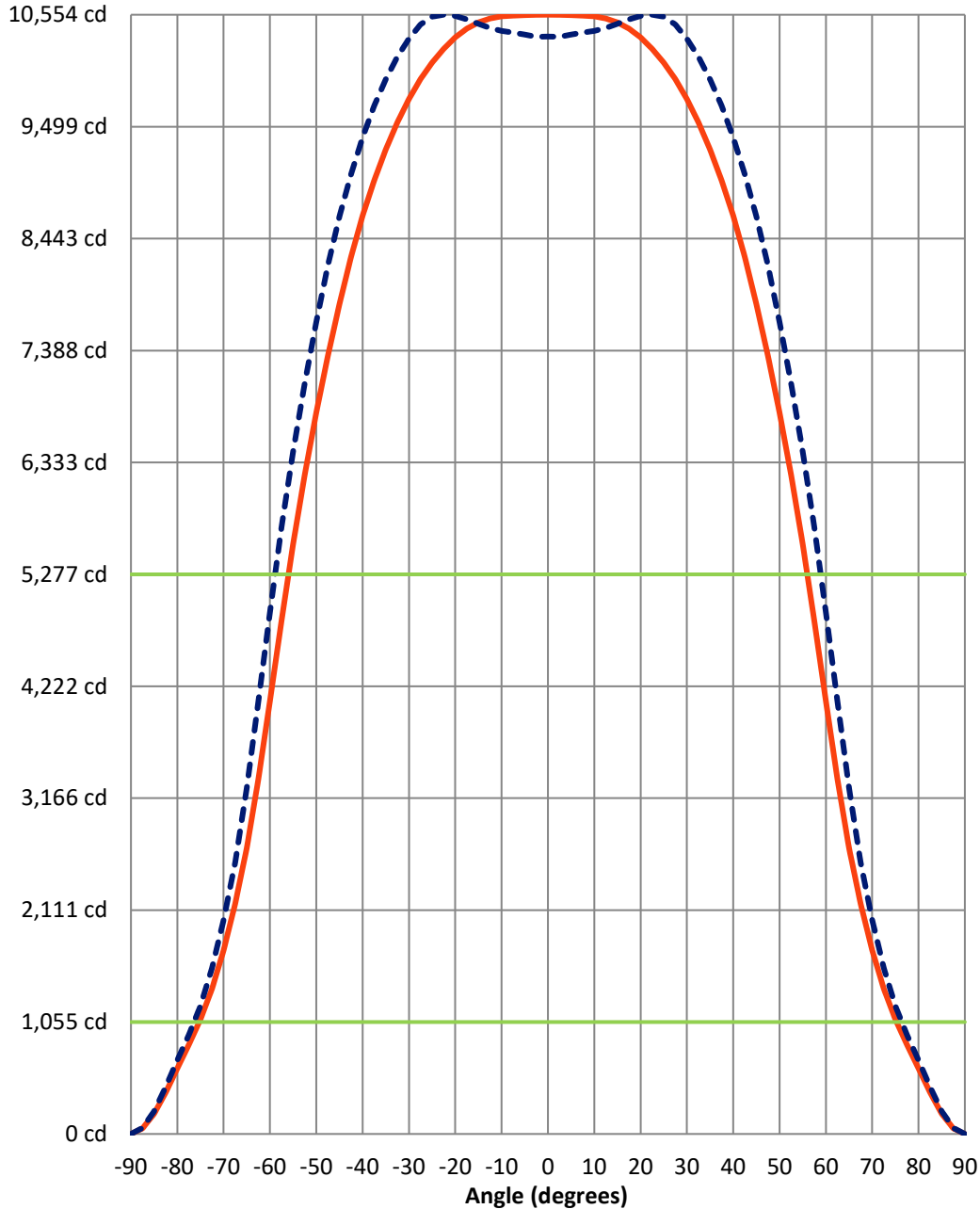
### Luminous Intensity Polar Plot





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### Luminous Intensity Plot



**Beam:**  
 H Angle: 117.8°  
 V Angle: 112°  
 Lumens: 26869.2  
 Efficiency: 83.2%

**Field:**  
 H Angle: 152.8°  
 V Angle: 150.5°  
 Lumens: 31651.2  
 Efficiency: 98.0%

**Spill:**  
 Lumens: 635  
 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	2.5	5.0	7.5	10.0	12.5	14.9	17.3	19.7	22.1	24.4
85°	0.0	5.0	10.0	15.0	20.0	24.9	29.8	34.7	39.4	44.1	48.7
82.5°	0.0	7.5	15.0	22.5	30.0	37.4	44.7	51.9	61.4	80.5	99.3
80°	0.0	10.0	20.0	30.0	39.9	49.7	62.5	88.7	114.6	140.0	165.1
77.5°	0.0	12.5	24.9	37.4	49.7	69.3	102.4	135.1	167.4	199.2	237.5
75°	0.0	14.9	29.8	44.7	62.5	102.4	142.0	181.1	222.0	277.4	331.8
72.5°	0.0	17.3	34.7	51.9	88.7	135.1	181.1	232.0	297.4	361.8	425.2
70°	0.0	19.7	39.4	61.4	114.6	167.4	222.0	297.4	371.9	445.5	525.1
67.5°	0.0	22.1	44.1	80.5	140.0	199.2	277.4	361.8	445.5	536.2	625.4
65°	0.0	24.4	48.7	99.3	165.1	237.5	331.8	425.2	525.1	625.4	722.9
62.5°	0.0	26.6	53.2	117.7	189.6	282.1	385.2	491.9	603.2	712.3	815.5
60°	0.0	28.8	57.6	135.7	213.6	325.7	437.5	559.0	679.7	794.2	906.4
57.5°	0.0	31.0	69.3	153.3	247.1	368.3	493.1	624.5	751.8	874.4	1003.4
55°	0.0	33.1	80.7	170.4	280.3	409.7	547.9	688.3	821.3	954.9	1102.0
52.5°	0.0	35.1	91.7	187.0	312.5	450.6	601.1	747.8	889.0	1041.2	1197.9
50°	0.0	37.1	102.4	203.0	343.6	493.5	652.6	805.2	957.1	1125.0	1317.1
47.5°	0.0	39.0	112.7	220.2	373.6	534.9	701.9	860.5	1029.1	1206.1	1435.5
45°	0.0	40.8	122.6	241.8	402.5	574.7	747.6	913.8	1098.4	1308.1	1549.7
42.5°	0.0	42.5	132.1	262.6	430.2	612.8	791.3	969.0	1164.9	1406.6	1684.4
40°	0.0	44.2	141.2	282.3	457.9	649.3	833.1	1024.5	1234.9	1500.9	1817.4
37.5°	0.0	45.8	149.8	301.1	485.6	683.9	872.8	1077.3	1314.4	1597.3	1944.2
35°	0.0	47.3	157.9	318.8	511.7	715.6	910.4	1127.2	1389.7	1705.0	2073.7
32.5°	0.0	48.7	165.5	335.5	536.2	744.9	947.1	1174.2	1460.7	1806.5	2209.8
30°	0.0	50.0	172.6	351.1	559.1	772.4	984.6	1221.5	1527.1	1901.6	2337.4
27.5°	0.0	51.2	179.2	365.5	580.4	797.8	1019.5	1275.1	1594.9	1990.1	2456.2
25°	0.0	52.3	185.3	378.8	600.0	821.3	1051.6	1324.6	1666.8	2082.2	2567.1
22.5°	0.0	53.3	190.8	390.9	617.8	842.6	1080.8	1369.7	1732.5	2171.5	2696.7
20°	0.0	54.2	195.8	401.8	633.9	861.8	1107.2	1410.3	1791.6	2252.1	2813.7
17.5°	0.0	55.0	200.2	411.5	648.1	878.9	1130.5	1446.4	1844.2	2323.7	2917.7
15°	0.0	55.7	204.1	419.9	660.5	893.8	1150.9	1477.8	1890.1	2386.2	3008.6
12.5°	0.0	56.3	207.3	427.1	671.1	906.4	1168.3	1504.6	1929.1	2439.3	3085.9
10°	0.0	56.8	210.0	432.9	679.7	916.8	1182.5	1526.5	1961.2	2483.0	3149.5
7.5°	0.0	57.2	212.1	437.5	686.5	924.9	1193.6	1543.7	1986.2	2517.2	3199.2
5°	0.0	57.5	213.6	440.8	691.3	930.7	1201.5	1556.0	2004.1	2541.6	3234.8
2.5°	0.0	57.6	214.5	442.7	694.2	934.1	1206.3	1563.3	2014.9	2556.3	3256.2
0°	0.0	57.7	214.8	443.4	695.2	935.3	1207.9	1565.8	2018.5	2561.2	3263.3
-2.5°	0.0	57.6	214.5	442.7	694.2	934.1	1206.3	1563.3	2014.9	2556.3	3256.2
-5°	0.0	57.5	213.6	440.8	691.3	930.7	1201.5	1556.0	2004.1	2541.6	3234.8
-7.5°	0.0	57.2	212.1	437.5	686.5	924.9	1193.6	1543.7	1986.2	2517.2	3199.2
-10°	0.0	56.8	210.0	432.9	679.7	916.8	1182.5	1526.5	1961.2	2483.0	3149.5
-12.5°	0.0	56.3	207.3	427.1	671.1	906.4	1168.3	1504.6	1929.1	2439.3	3085.9
-15°	0.0	55.7	204.1	419.9	660.5	893.8	1150.9	1477.8	1890.1	2386.2	3008.6
-17.5°	0.0	55.0	200.2	411.5	648.1	878.9	1130.5	1446.4	1844.2	2323.7	2917.7
-20°	0.0	54.2	195.8	401.8	633.9	861.8	1107.2	1410.3	1791.6	2252.1	2813.7

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**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	53.3	190.8	390.9	617.8	842.6	1080.8	1369.7	1732.5	2171.5	2696.7
-25°	0.0	52.3	185.3	378.8	600.0	821.3	1051.6	1324.6	1666.8	2082.2	2567.1
-27.5°	0.0	51.2	179.2	365.5	580.4	797.8	1019.5	1275.1	1594.9	1990.1	2456.2
-30°	0.0	50.0	172.6	351.1	559.1	772.4	984.6	1221.5	1527.1	1901.6	2337.4
-32.5°	0.0	48.7	165.5	335.5	536.2	744.9	947.1	1174.2	1460.7	1806.5	2209.8
-35°	0.0	47.3	157.9	318.8	511.7	715.6	910.4	1127.2	1389.7	1705.0	2073.7
-37.5°	0.0	45.8	149.8	301.1	485.6	683.9	872.8	1077.3	1314.4	1597.3	1944.2
-40°	0.0	44.2	141.2	282.3	457.9	649.3	833.1	1024.5	1234.9	1500.9	1817.4
-42.5°	0.0	42.5	132.1	262.6	430.2	612.8	791.3	969.0	1164.9	1406.6	1684.4
-45°	0.0	40.8	122.6	241.8	402.5	574.7	747.6	913.8	1098.4	1308.1	1549.7
-47.5°	0.0	39.0	112.7	220.2	373.6	534.9	701.9	860.5	1029.1	1206.1	1435.5
-50°	0.0	37.1	102.4	203.0	343.6	493.5	652.6	805.2	957.1	1125.0	1317.1
-52.5°	0.0	35.1	91.7	187.0	312.5	450.6	601.1	747.8	889.0	1041.2	1197.9
-55°	0.0	33.1	80.7	170.4	280.3	409.7	547.9	688.3	821.3	954.9	1102.0
-57.5°	0.0	31.0	69.3	153.3	247.1	368.3	493.1	624.5	751.8	874.4	1003.4
-60°	0.0	28.8	57.6	135.7	213.6	325.7	437.5	559.0	679.7	794.2	906.4
-62.5°	0.0	26.6	53.2	117.7	189.6	282.1	385.2	491.9	603.2	712.3	815.5
-65°	0.0	24.4	48.7	99.3	165.1	237.5	331.8	425.2	525.1	625.4	722.9
-67.5°	0.0	22.1	44.1	80.5	140.0	199.2	277.4	361.8	445.5	536.2	625.4
-70°	0.0	19.7	39.4	61.4	114.6	167.4	222.0	297.4	371.9	445.5	525.1
-72.5°	0.0	17.3	34.7	51.9	88.7	135.1	181.1	232.0	297.4	361.8	425.2
-75°	0.0	14.9	29.8	44.7	62.5	102.4	142.0	181.1	222.0	277.4	331.8
-77.5°	0.0	12.5	24.9	37.4	49.7	69.3	102.4	135.1	167.4	199.2	237.5
-80°	0.0	10.0	20.0	30.0	39.9	49.7	62.5	88.7	114.6	140.0	165.1
-82.5°	0.0	7.5	15.0	22.5	30.0	37.4	44.7	51.9	61.4	80.5	99.3
-85°	0.0	5.0	10.0	15.0	20.0	24.9	29.8	34.7	39.4	44.1	48.7
-87.5°	0.0	2.5	5.0	7.5	10.0	12.5	14.9	17.3	19.7	22.1	24.4
-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°	26.6	28.8	31.0	33.1	35.1	37.1	39.0	40.8	42.5	44.2	45.8
85°	53.2	57.6	69.3	80.7	91.7	102.4	112.7	122.6	132.1	141.2	149.8
82.5°	117.7	135.7	153.3	170.4	187.0	203.0	220.2	241.8	262.6	282.3	301.1
80°	189.6	213.6	247.1	280.3	312.5	343.6	373.6	402.5	430.2	457.9	485.6
77.5°	282.1	325.7	368.3	409.7	450.6	493.5	534.9	574.7	612.8	649.3	683.9
75°	385.2	437.5	493.1	547.9	601.1	652.6	701.9	747.6	791.3	833.1	872.8
72.5°	491.9	559.0	624.5	688.3	747.8	805.2	860.5	913.8	969.0	1024.5	1077.3
70°	603.2	679.7	751.8	821.3	889.0	957.1	1029.1	1098.4	1164.9	1234.9	1314.4
67.5°	712.3	794.2	874.4	954.9	1041.2	1125.0	1206.1	1308.1	1406.6	1500.9	1597.3
65°	815.5	906.4	1003.4	1102.0	1197.9	1317.1	1435.5	1549.7	1684.4	1817.4	1944.2
62.5°	917.1	1027.8	1138.7	1259.1	1397.7	1532.3	1688.4	1847.7	2001.0	2173.7	2341.8
60°	1027.8	1150.9	1291.5	1446.4	1605.8	1791.6	1971.9	2171.5	2372.7	2567.1	2805.7
57.5°	1138.7	1291.5	1462.7	1647.2	1854.1	2062.9	2297.3	2524.1	2796.3	3068.1	3338.6
55°	1259.1	1446.4	1647.2	1875.0	2113.3	2373.4	2645.2	2962.1	3268.8	3610.5	3937.7
52.5°	1397.7	1605.8	1854.1	2113.3	2398.8	2711.6	3062.5	3425.3	3807.3	4178.3	4542.3
50°	1532.3	1791.6	2062.9	2373.4	2711.6	3096.1	3504.0	3926.6	4343.7	4750.6	5131.7
47.5°	1688.4	1971.9	2297.3	2645.2	3062.5	3504.0	3966.5	4427.0	4876.9	5294.3	5694.1
45°	1847.7	2171.5	2524.1	2962.1	3425.3	3926.6	4427.0	4919.2	5376.3	5807.6	6185.0
42.5°	2001.0	2372.7	2796.3	3268.8	3807.3	4343.7	4876.9	5376.3	5844.5	6259.9	6639.0
40°	2173.7	2567.1	3068.1	3610.5	4178.3	4750.6	5294.3	5807.6	6259.9	6673.5	7057.3
37.5°	2341.8	2805.7	3338.6	3937.7	4542.3	5131.7	5694.1	6185.0	6639.0	7057.3	7425.5
35°	2501.5	3032.5	3626.0	4254.8	4889.6	5488.9	6036.3	6536.0	6987.0	7393.0	7769.5
32.5°	2679.0	3246.9	3897.9	4559.6	5206.0	5816.3	6358.9	6847.7	7296.2	7708.5	8082.3
30°	2862.0	3478.2	4156.1	4846.6	5503.2	6100.1	6641.8	7136.8	7581.7	7989.0	8355.3
27.5°	3032.5	3696.3	4402.3	5106.2	5774.7	6366.3	6900.7	7388.0	7835.5	8245.5	8600.6
25°	3190.0	3897.9	4630.3	5344.0	6003.3	6596.3	7135.4	7622.4	8067.4	8460.9	8806.0
22.5°	3345.5	4082.7	4839.2	5562.1	6213.3	6801.8	7336.1	7824.4	8269.6	8659.4	8990.6
20°	3496.6	4254.8	5023.5	5755.5	6403.8	6988.5	7518.8	8006.1	8439.4	8816.8	9146.5
17.5°	3631.1	4408.2	5184.7	5911.7	6560.5	7148.0	7680.4	8169.3	8592.3	8958.9	9281.2
15°	3748.6	4542.3	5325.8	6048.4	6695.2	7280.4	7812.9	8296.5	8716.5	9080.1	9400.1
12.5°	3848.7	4656.5	5446.1	6165.2	6810.4	7393.8	7926.4	8403.3	8816.2	9175.1	9488.3
10°	3931.0	4750.6	5545.2	6261.4	6905.4	7487.4	8020.3	8491.7	8898.9	9254.0	9561.7
7.5°	3995.4	4824.2	5622.7	6336.7	6979.9	7560.8	8093.9	8561.1	8963.9	9316.2	9619.6
5°	4041.5	4876.9	5678.3	6390.8	7033.3	7613.5	8146.8	8611.1	9010.8	9361.1	9661.4
2.5°	4069.2	4908.6	5711.7	6423.3	7065.5	7645.3	8178.7	8641.2	9039.1	9388.1	9686.7
0°	4078.5	4919.2	5722.9	6434.2	7076.2	7655.9	8189.4	8651.3	9048.5	9397.2	9695.2
-2.5°	4069.2	4908.6	5711.7	6423.3	7065.5	7645.3	8178.7	8641.2	9039.1	9388.1	9686.7
-5°	4041.5	4876.9	5678.3	6390.8	7033.3	7613.5	8146.8	8611.1	9010.8	9361.1	9661.4
-7.5°	3995.4	4824.2	5622.7	6336.7	6979.9	7560.8	8093.9	8561.1	8963.9	9316.2	9619.6
-10°	3931.0	4750.6	5545.2	6261.4	6905.4	7487.4	8020.3	8491.7	8898.9	9254.0	9561.7
-12.5°	3848.7	4656.5	5446.1	6165.2	6810.4	7393.8	7926.4	8403.3	8816.2	9175.1	9488.3
-15°	3748.6	4542.3	5325.8	6048.4	6695.2	7280.4	7812.9	8296.5	8716.5	9080.1	9400.1
-17.5°	3631.1	4408.2	5184.7	5911.7	6560.5	7148.0	7680.4	8169.3	8592.3	8958.9	9281.2
-20°	3496.6	4254.8	5023.5	5755.5	6403.8	6988.5	7518.8	8006.1	8439.4	8816.8	9146.5

Classified

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

Scaled Data Report



REPORT NUMBER: P645526 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA5D-727-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°	3345.5	4082.7	4839.2	5562.1	6213.3	6801.8	7336.1	7824.4	8269.6	8659.4	8990.6
-25°	3190.0	3897.9	4630.3	5344.0	6003.3	6596.3	7135.4	7622.4	8067.4	8460.9	8806.0
-27.5°	3032.5	3696.3	4402.3	5106.2	5774.7	6366.3	6900.7	7388.0	7835.5	8245.5	8600.6
-30°	2862.0	3478.2	4156.1	4846.6	5503.2	6100.1	6641.8	7136.8	7581.7	7989.0	8355.3
-32.5°	2679.0	3246.9	3897.9	4559.6	5206.0	5816.3	6358.9	6847.7	7296.2	7708.5	8082.3
-35°	2501.5	3032.5	3626.0	4254.8	4889.6	5488.9	6036.3	6536.0	6987.0	7393.0	7769.5
-37.5°	2341.8	2805.7	3338.6	3937.7	4542.3	5131.7	5694.1	6185.0	6639.0	7057.3	7425.5
-40°	2173.7	2567.1	3068.1	3610.5	4178.3	4750.6	5294.3	5807.6	6259.9	6673.5	7057.3
-42.5°	2001.0	2372.7	2796.3	3268.8	3807.3	4343.7	4876.9	5376.3	5844.5	6259.9	6639.0
-45°	1847.7	2171.5	2524.1	2962.1	3425.3	3926.6	4427.0	4919.2	5376.3	5807.6	6185.0
-47.5°	1688.4	1971.9	2297.3	2645.2	3062.5	3504.0	3966.5	4427.0	4876.9	5294.3	5694.1
-50°	1532.3	1791.6	2062.9	2373.4	2711.6	3096.1	3504.0	3926.6	4343.7	4750.6	5131.7
-52.5°	1397.7	1605.8	1854.1	2113.3	2398.8	2711.6	3062.5	3425.3	3807.3	4178.3	4542.3
-55°	1259.1	1446.4	1647.2	1875.0	2113.3	2373.4	2645.2	2962.1	3268.8	3610.5	3937.7
-57.5°	1138.7	1291.5	1462.7	1647.2	1854.1	2062.9	2297.3	2524.1	2796.3	3068.1	3338.6
-60°	1027.8	1150.9	1291.5	1446.4	1605.8	1791.6	1971.9	2171.5	2372.7	2567.1	2805.7
-62.5°	917.1	1027.8	1138.7	1259.1	1397.7	1532.3	1688.4	1847.7	2001.0	2173.7	2341.8
-65°	815.5	906.4	1003.4	1102.0	1197.9	1317.1	1435.5	1549.7	1684.4	1817.4	1944.2
-67.5°	712.3	794.2	874.4	954.9	1041.2	1125.0	1206.1	1308.1	1406.6	1500.9	1597.3
-70°	603.2	679.7	751.8	821.3	889.0	957.1	1029.1	1098.4	1164.9	1234.9	1314.4
-72.5°	491.9	559.0	624.5	688.3	747.8	805.2	860.5	913.8	969.0	1024.5	1077.3
-75°	385.2	437.5	493.1	547.9	601.1	652.6	701.9	747.6	791.3	833.1	872.8
-77.5°	282.1	325.7	368.3	409.7	450.6	493.5	534.9	574.7	612.8	649.3	683.9
-80°	189.6	213.6	247.1	280.3	312.5	343.6	373.6	402.5	430.2	457.9	485.6
-82.5°	117.7	135.7	153.3	170.4	187.0	203.0	220.2	241.8	262.6	282.3	301.1
-85°	53.2	57.6	69.3	80.7	91.7	102.4	112.7	122.6	132.1	141.2	149.8
-87.5°	26.6	28.8	31.0	33.1	35.1	37.1	39.0	40.8	42.5	44.2	45.8
-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: P645526 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5D-727-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°	47.3	48.7	50.0	51.2	52.3	53.3	54.2	55.0	55.7	56.3	56.8
85°	157.9	165.5	172.6	179.2	185.3	190.8	195.8	200.2	204.1	207.3	210.0
82.5°	318.8	335.5	351.1	365.5	378.8	390.9	401.8	411.5	419.9	427.1	432.9
80°	511.7	536.2	559.1	580.4	600.0	617.8	633.9	648.1	660.5	671.1	679.7
77.5°	715.6	744.9	772.4	797.8	821.3	842.6	861.8	878.9	893.8	906.4	916.8
75°	910.4	947.1	984.6	1019.5	1051.6	1080.8	1107.2	1130.5	1150.9	1168.3	1182.5
72.5°	1127.2	1174.2	1221.5	1275.1	1324.6	1369.7	1410.3	1446.4	1477.8	1504.6	1526.5
70°	1389.7	1460.7	1527.1	1594.9	1666.8	1732.5	1791.6	1844.2	1890.1	1929.1	1961.2
67.5°	1705.0	1806.5	1901.6	1990.1	2082.2	2171.5	2252.1	2323.7	2386.2	2439.3	2483.0
65°	2073.7	2209.8	2337.4	2456.2	2567.1	2696.7	2813.7	2917.7	3008.6	3085.9	3149.5
62.5°	2501.5	2679.0	2862.0	3032.5	3190.0	3345.5	3496.6	3631.1	3748.6	3848.7	3931.0
60°	3032.5	3246.9	3478.2	3696.3	3897.9	4082.7	4254.8	4408.2	4542.3	4656.5	4750.6
57.5°	3626.0	3897.9	4156.1	4402.3	4630.3	4839.2	5023.5	5184.7	5325.8	5446.1	5545.2
55°	4254.8	4559.6	4846.6	5106.2	5344.0	5562.1	5755.5	5911.7	6048.4	6165.2	6261.4
52.5°	4889.6	5206.0	5503.2	5774.7	6003.3	6213.3	6403.8	6560.5	6695.2	6810.4	6905.4
50°	5488.9	5816.3	6100.1	6366.3	6596.3	6801.8	6988.5	7148.0	7280.4	7393.8	7487.4
47.5°	6036.3	6358.9	6641.8	6900.7	7135.4	7336.1	7518.8	7680.4	7812.9	7926.4	8020.3
45°	6536.0	6847.7	7136.8	7388.0	7622.4	7824.4	8006.1	8169.3	8296.5	8403.3	8491.7
42.5°	6987.0	7296.2	7581.7	7835.5	8067.4	8269.6	8439.4	8592.3	8716.5	8816.2	8898.9
40°	7393.0	7708.5	7989.0	8245.5	8460.9	8659.4	8816.8	8958.9	9080.1	9175.1	9254.0
37.5°	7769.5	8082.3	8355.3	8600.6	8806.0	8990.6	9146.5	9281.2	9400.1	9488.3	9561.7
35°	8113.7	8410.9	8681.0	8905.8	9109.4	9283.2	9436.7	9561.0	9671.5	9755.5	9822.4
32.5°	8410.9	8705.6	8956.3	9177.6	9376.4	9538.7	9686.0	9799.8	9900.0	9980.8	10043.0
30°	8681.0	8956.3	9200.6	9419.9	9601.0	9759.0	9891.6	10002.7	10095.3	10172.4	10227.1
27.5°	8905.8	9177.6	9419.9	9622.1	9795.4	9947.5	10068.8	10175.8	10256.6	10327.6	10374.6
25°	9109.4	9376.4	9601.0	9795.4	9963.7	10102.5	10218.0	10314.9	10386.6	10447.4	10482.4
22.5°	9283.2	9538.7	9759.0	9947.5	10102.5	10232.2	10341.1	10423.2	10481.9	10518.6	10539.4
20°	9436.7	9686.0	9891.6	10068.8	10218.0	10341.1	10435.6	10496.3	10537.2	10547.3	10553.2
17.5°	9561.0	9799.8	10002.7	10175.8	10314.9	10423.2	10496.3	10539.1	10551.4	10549.2	10543.1
15°	9671.5	9900.0	10095.3	10256.6	10386.6	10481.9	10537.2	10551.4	10547.8	10535.4	10516.4
12.5°	9755.5	9980.8	10172.4	10327.6	10447.4	10518.6	10547.3	10549.2	10535.4	10511.8	10484.7
10°	9822.4	10043.0	10227.1	10374.6	10482.4	10539.4	10553.2	10543.1	10516.4	10484.7	10454.8
7.5°	9875.4	10092.3	10270.6	10412.2	10505.3	10545.8	10548.8	10529.7	10497.6	10461.7	10429.3
5°	9913.7	10128.1	10302.2	10439.6	10522.1	10550.4	10545.4	10519.2	10482.0	10444.5	10414.9
2.5°	9936.8	10149.7	10321.5	10456.3	10532.4	10553.3	10543.4	10512.6	10472.2	10433.4	10405.3
0°	9944.6	10157.0	10327.9	10461.9	10535.8	10554.3	10542.7	10510.4	10468.8	10429.6	10401.9
-2.5°	9936.8	10149.7	10321.5	10456.3	10532.4	10553.3	10543.4	10512.6	10472.2	10433.4	10405.3
-5°	9913.7	10128.1	10302.2	10439.6	10522.1	10550.4	10545.4	10519.2	10482.0	10444.5	10414.9
-7.5°	9875.4	10092.3	10270.6	10412.2	10505.3	10545.8	10548.8	10529.7	10497.6	10461.7	10429.3
-10°	9822.4	10043.0	10227.1	10374.6	10482.4	10539.4	10553.2	10543.1	10516.4	10484.7	10454.8
-12.5°	9755.5	9980.8	10172.4	10327.6	10447.4	10518.6	10547.3	10549.2	10535.4	10511.8	10484.7
-15°	9671.5	9900.0	10095.3	10256.6	10386.6	10481.9	10537.2	10551.4	10547.8	10535.4	10516.4
-17.5°	9561.0	9799.8	10002.7	10175.8	10314.9	10423.2	10496.3	10539.1	10551.4	10549.2	10543.1
-20°	9436.7	9686.0	9891.6	10068.8	10218.0	10341.1	10435.6	10496.3	10537.2	10547.3	10553.2



REPORT NUMBER: P645526 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5D-727-U-LAM-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	9283.2	9538.7	9759.0	9947.5	10102.5	10232.2	10341.1	10423.2	10481.9	10518.6	10539.4
-25°	9109.4	9376.4	9601.0	9795.4	9963.7	10102.5	10218.0	10314.9	10386.6	10447.4	10482.4
-27.5°	8905.8	9177.6	9419.9	9622.1	9795.4	9947.5	10068.8	10175.8	10256.6	10327.6	10374.6
-30°	8681.0	8956.3	9200.6	9419.9	9601.0	9759.0	9891.6	10002.7	10095.3	10172.4	10227.1
-32.5°	8410.9	8705.6	8956.3	9177.6	9376.4	9538.7	9686.0	9799.8	9900.0	9980.8	10043.0
-35°	8113.7	8410.9	8681.0	8905.8	9109.4	9283.2	9436.7	9561.0	9671.5	9755.5	9822.4
-37.5°	7769.5	8082.3	8355.3	8600.6	8806.0	8990.6	9146.5	9281.2	9400.1	9488.3	9561.7
-40°	7393.0	7708.5	7989.0	8245.5	8460.9	8659.4	8816.8	8958.9	9080.1	9175.1	9254.0
-42.5°	6987.0	7296.2	7581.7	7835.5	8067.4	8269.6	8439.4	8592.3	8716.5	8816.2	8898.9
-45°	6536.0	6847.7	7136.8	7388.0	7622.4	7824.4	8006.1	8169.3	8296.5	8403.3	8491.7
-47.5°	6036.3	6358.9	6641.8	6900.7	7135.4	7336.1	7518.8	7680.4	7812.9	7926.4	8020.3
-50°	5488.9	5816.3	6100.1	6366.3	6596.3	6801.8	6988.5	7148.0	7280.4	7393.8	7487.4
-52.5°	4889.6	5206.0	5503.2	5774.7	6003.3	6213.3	6403.8	6560.5	6695.2	6810.4	6905.4
-55°	4254.8	4559.6	4846.6	5106.2	5344.0	5562.1	5755.5	5911.7	6048.4	6165.2	6261.4
-57.5°	3626.0	3897.9	4156.1	4402.3	4630.3	4839.2	5023.5	5184.7	5325.8	5446.1	5545.2
-60°	3032.5	3246.9	3478.2	3696.3	3897.9	4082.7	4254.8	4408.2	4542.3	4656.5	4750.6
-62.5°	2501.5	2679.0	2862.0	3032.5	3190.0	3345.5	3496.6	3631.1	3748.6	3848.7	3931.0
-65°	2073.7	2209.8	2337.4	2456.2	2567.1	2696.7	2813.7	2917.7	3008.6	3085.9	3149.5
-67.5°	1705.0	1806.5	1901.6	1990.1	2082.2	2171.5	2252.1	2323.7	2386.2	2439.3	2483.0
-70°	1389.7	1460.7	1527.1	1594.9	1666.8	1732.5	1791.6	1844.2	1890.1	1929.1	1961.2
-72.5°	1127.2	1174.2	1221.5	1275.1	1324.6	1369.7	1410.3	1446.4	1477.8	1504.6	1526.5
-75°	910.4	947.1	984.6	1019.5	1051.6	1080.8	1107.2	1130.5	1150.9	1168.3	1182.5
-77.5°	715.6	744.9	772.4	797.8	821.3	842.6	861.8	878.9	893.8	906.4	916.8
-80°	511.7	536.2	559.1	580.4	600.0	617.8	633.9	648.1	660.5	671.1	679.7
-82.5°	318.8	335.5	351.1	365.5	378.8	390.9	401.8	411.5	419.9	427.1	432.9
-85°	157.9	165.5	172.6	179.2	185.3	190.8	195.8	200.2	204.1	207.3	210.0
-87.5°	47.3	48.7	50.0	51.2	52.3	53.3	54.2	55.0	55.7	56.3	56.8
-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: P645526 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5D-727-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°	57.2	57.5	57.6	57.7	57.6	57.5	57.2	56.8	56.3	55.7	55.0
85°	212.1	213.6	214.5	214.8	214.5	213.6	212.1	210.0	207.3	204.1	200.2
82.5°	437.5	440.8	442.7	443.4	442.7	440.8	437.5	432.9	427.1	419.9	411.5
80°	686.5	691.3	694.2	695.2	694.2	691.3	686.5	679.7	671.1	660.5	648.1
77.5°	924.9	930.7	934.1	935.3	934.1	930.7	924.9	916.8	906.4	893.8	878.9
75°	1193.6	1201.5	1206.3	1207.9	1206.3	1201.5	1193.6	1182.5	1168.3	1150.9	1130.5
72.5°	1543.7	1556.0	1563.3	1565.8	1563.3	1556.0	1543.7	1526.5	1504.6	1477.8	1446.4
70°	1986.2	2004.1	2014.9	2018.5	2014.9	2004.1	1986.2	1961.2	1929.1	1890.1	1844.2
67.5°	2517.2	2541.6	2556.3	2561.2	2556.3	2541.6	2517.2	2483.0	2439.3	2386.2	2323.7
65°	3199.2	3234.8	3256.2	3263.3	3256.2	3234.8	3199.2	3149.5	3085.9	3008.6	2917.7
62.5°	3995.4	4041.5	4069.2	4078.5	4069.2	4041.5	3995.4	3931.0	3848.7	3748.6	3631.1
60°	4824.2	4876.9	4908.6	4919.2	4908.6	4876.9	4824.2	4750.6	4656.5	4542.3	4408.2
57.5°	5622.7	5678.3	5711.7	5722.9	5711.7	5678.3	5622.7	5545.2	5446.1	5325.8	5184.7
55°	6336.7	6390.8	6423.3	6434.2	6423.3	6390.8	6336.7	6261.4	6165.2	6048.4	5911.7
52.5°	6979.9	7033.3	7065.5	7076.2	7065.5	7033.3	6979.9	6905.4	6810.4	6695.2	6560.5
50°	7560.8	7613.5	7645.3	7655.9	7645.3	7613.5	7560.8	7487.4	7393.8	7280.4	7148.0
47.5°	8093.9	8146.8	8178.7	8189.4	8178.7	8146.8	8093.9	8020.3	7926.4	7812.9	7680.4
45°	8561.1	8611.1	8641.2	8651.3	8641.2	8611.1	8561.1	8491.7	8403.3	8296.5	8169.3
42.5°	8963.9	9010.8	9039.1	9048.5	9039.1	9010.8	8963.9	8898.9	8816.2	8716.5	8592.3
40°	9316.2	9361.1	9388.1	9397.2	9388.1	9361.1	9316.2	9254.0	9175.1	9080.1	8958.9
37.5°	9619.6	9661.4	9686.7	9695.2	9686.7	9661.4	9619.6	9561.7	9488.3	9400.1	9281.2
35°	9875.4	9913.7	9936.8	9944.6	9936.8	9913.7	9875.4	9822.4	9755.5	9671.5	9561.0
32.5°	10092.3	10128.1	10149.7	10157.0	10149.7	10128.1	10092.3	10043.0	9980.8	9900.0	9799.8
30°	10270.6	10302.2	10321.5	10327.9	10321.5	10302.2	10270.6	10227.1	10172.4	10095.3	10002.7
27.5°	10412.2	10439.6	10456.3	10461.9	10456.3	10439.6	10412.2	10374.6	10327.6	10256.6	10175.8
25°	10505.3	10522.1	10532.4	10535.8	10532.4	10522.1	10505.3	10482.4	10447.4	10386.6	10314.9
22.5°	10545.8	10550.4	10553.3	10554.3	10553.3	10550.4	10545.8	10539.4	10518.6	10481.9	10423.2
20°	10548.8	10545.4	10543.4	10542.7	10543.4	10545.4	10548.8	10553.2	10547.3	10537.2	10496.3
17.5°	10529.7	10519.2	10512.6	10510.4	10512.6	10519.2	10529.7	10543.1	10549.2	10551.4	10539.1
15°	10497.6	10482.0	10472.2	10468.8	10472.2	10482.0	10497.6	10516.4	10535.4	10547.8	10551.4
12.5°	10461.7	10444.5	10433.4	10429.6	10433.4	10444.5	10461.7	10484.7	10511.8	10535.4	10549.2
10°	10429.3	10414.9	10405.3	10401.9	10405.3	10414.9	10429.3	10454.8	10484.7	10516.4	10543.1
7.5°	10408.5	10395.5	10388.3	10385.7	10388.3	10395.5	10408.5	10429.3	10461.7	10497.6	10529.7
5°	10395.5	10382.5	10371.6	10367.2	10371.6	10382.5	10395.5	10414.9	10444.5	10482.0	10519.2
2.5°	10388.3	10371.6	10355.0	10346.4	10355.0	10371.6	10388.3	10405.3	10433.4	10472.2	10512.6
0°	10385.7	10367.2	10346.4	10348.7	10346.4	10367.2	10385.7	10401.9	10429.6	10468.8	10510.4
-2.5°	10388.3	10371.6	10355.0	10346.4	10355.0	10371.6	10388.3	10405.3	10433.4	10472.2	10512.6
-5°	10395.5	10382.5	10371.6	10367.2	10371.6	10382.5	10395.5	10414.9	10444.5	10482.0	10519.2
-7.5°	10408.5	10395.5	10388.3	10385.7	10388.3	10395.5	10408.5	10429.3	10461.7	10497.6	10529.7
-10°	10429.3	10414.9	10405.3	10401.9	10405.3	10414.9	10429.3	10454.8	10484.7	10516.4	10543.1
-12.5°	10461.7	10444.5	10433.4	10429.6	10433.4	10444.5	10461.7	10484.7	10511.8	10535.4	10549.2
-15°	10497.6	10482.0	10472.2	10468.8	10472.2	10482.0	10497.6	10516.4	10535.4	10547.8	10551.4
-17.5°	10529.7	10519.2	10512.6	10510.4	10512.6	10519.2	10529.7	10543.1	10549.2	10551.4	10539.1
-20°	10548.8	10545.4	10543.4	10542.7	10543.4	10545.4	10548.8	10553.2	10547.3	10537.2	10496.3



REPORT NUMBER: P645526 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5D-727-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°	10545.8	10550.4	10553.3	10554.3	10553.3	10550.4	10545.8	10539.4	10518.6	10481.9	10423.2
-25°	10505.3	10522.1	10532.4	10535.8	10532.4	10522.1	10505.3	10482.4	10447.4	10386.6	10314.9
-27.5°	10412.2	10439.6	10456.3	10461.9	10456.3	10439.6	10412.2	10374.6	10327.6	10256.6	10175.8
-30°	10270.6	10302.2	10321.5	10327.9	10321.5	10302.2	10270.6	10227.1	10172.4	10095.3	10002.7
-32.5°	10092.3	10128.1	10149.7	10157.0	10149.7	10128.1	10092.3	10043.0	9980.8	9900.0	9799.8
-35°	9875.4	9913.7	9936.8	9944.6	9936.8	9913.7	9875.4	9822.4	9755.5	9671.5	9561.0
-37.5°	9619.6	9661.4	9686.7	9695.2	9686.7	9661.4	9619.6	9561.7	9488.3	9400.1	9281.2
-40°	9316.2	9361.1	9388.1	9397.2	9388.1	9361.1	9316.2	9254.0	9175.1	9080.1	8958.9
-42.5°	8963.9	9010.8	9039.1	9048.5	9039.1	9010.8	8963.9	8898.9	8816.2	8716.5	8592.3
-45°	8561.1	8611.1	8641.2	8651.3	8641.2	8611.1	8561.1	8491.7	8403.3	8296.5	8169.3
-47.5°	8093.9	8146.8	8178.7	8189.4	8178.7	8146.8	8093.9	8020.3	7926.4	7812.9	7680.4
-50°	7560.8	7613.5	7645.3	7655.9	7645.3	7613.5	7560.8	7487.4	7393.8	7280.4	7148.0
-52.5°	6979.9	7033.3	7065.5	7076.2	7065.5	7033.3	6979.9	6905.4	6810.4	6695.2	6560.5
-55°	6336.7	6390.8	6423.3	6434.2	6423.3	6390.8	6336.7	6261.4	6165.2	6048.4	5911.7
-57.5°	5622.7	5678.3	5711.7	5722.9	5711.7	5678.3	5622.7	5545.2	5446.1	5325.8	5184.7
-60°	4824.2	4876.9	4908.6	4919.2	4908.6	4876.9	4824.2	4750.6	4656.5	4542.3	4408.2
-62.5°	3995.4	4041.5	4069.2	4078.5	4069.2	4041.5	3995.4	3931.0	3848.7	3748.6	3631.1
-65°	3199.2	3234.8	3256.2	3263.3	3256.2	3234.8	3199.2	3149.5	3085.9	3008.6	2917.7
-67.5°	2517.2	2541.6	2556.3	2561.2	2556.3	2541.6	2517.2	2483.0	2439.3	2386.2	2323.7
-70°	1986.2	2004.1	2014.9	2018.5	2014.9	2004.1	1986.2	1961.2	1929.1	1890.1	1844.2
-72.5°	1543.7	1556.0	1563.3	1565.8	1563.3	1556.0	1543.7	1526.5	1504.6	1477.8	1446.4
-75°	1193.6	1201.5	1206.3	1207.9	1206.3	1201.5	1193.6	1182.5	1168.3	1150.9	1130.5
-77.5°	924.9	930.7	934.1	935.3	934.1	930.7	924.9	916.8	906.4	893.8	878.9
-80°	686.5	691.3	694.2	695.2	694.2	691.3	686.5	679.7	671.1	660.5	648.1
-82.5°	437.5	440.8	442.7	443.4	442.7	440.8	437.5	432.9	427.1	419.9	411.5
-85°	212.1	213.6	214.5	214.8	214.5	213.6	212.1	210.0	207.3	204.1	200.2
-87.5°	57.2	57.5	57.6	57.7	57.6	57.5	57.2	56.8	56.3	55.7	55.0
-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: P645526 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	54.2	53.3	52.3	51.2	50.0	48.7	47.3	45.8	44.2	42.5	40.8
85°	195.8	190.8	185.3	179.2	172.6	165.5	157.9	149.8	141.2	132.1	122.6
82.5°	401.8	390.9	378.8	365.5	351.1	335.5	318.8	301.1	282.3	262.6	241.8
80°	633.9	617.8	600.0	580.4	559.1	536.2	511.7	485.6	457.9	430.2	402.5
77.5°	861.8	842.6	821.3	797.8	772.4	744.9	715.6	683.9	649.3	612.8	574.7
75°	1107.2	1080.8	1051.6	1019.5	984.6	947.1	910.4	872.8	833.1	791.3	747.6
72.5°	1410.3	1369.7	1324.6	1275.1	1221.5	1174.2	1127.2	1077.3	1024.5	969.0	913.8
70°	1791.6	1732.5	1666.8	1594.9	1527.1	1460.7	1389.7	1314.4	1234.9	1164.9	1098.4
67.5°	2252.1	2171.5	2082.2	1990.1	1901.6	1806.5	1705.0	1597.3	1500.9	1406.6	1308.1
65°	2813.7	2696.7	2567.1	2456.2	2337.4	2209.8	2073.7	1944.2	1817.4	1684.4	1549.7
62.5°	3496.6	3345.5	3190.0	3032.5	2862.0	2679.0	2501.5	2341.8	2173.7	2001.0	1847.7
60°	4254.8	4082.7	3897.9	3696.3	3478.2	3246.9	3032.5	2805.7	2567.1	2372.7	2171.5
57.5°	5023.5	4839.2	4630.3	4402.3	4156.1	3897.9	3626.0	3338.6	3068.1	2796.3	2524.1
55°	5755.5	5562.1	5344.0	5106.2	4846.6	4559.6	4254.8	3937.7	3610.5	3268.8	2962.1
52.5°	6403.8	6213.3	6003.3	5774.7	5503.2	5206.0	4889.6	4542.3	4178.3	3807.3	3425.3
50°	6988.5	6801.8	6596.3	6366.3	6100.1	5816.3	5488.9	5131.7	4750.6	4343.7	3926.6
47.5°	7518.8	7336.1	7135.4	6900.7	6641.8	6358.9	6036.3	5694.1	5294.3	4876.9	4427.0
45°	8006.1	7824.4	7622.4	7388.0	7136.8	6847.7	6536.0	6185.0	5807.6	5376.3	4919.2
42.5°	8439.4	8269.6	8067.4	7835.5	7581.7	7296.2	6987.0	6639.0	6259.9	5844.5	5376.3
40°	8816.8	8659.4	8460.9	8245.5	7989.0	7708.5	7393.0	7057.3	6673.5	6259.9	5807.6
37.5°	9146.5	8990.6	8806.0	8600.6	8355.3	8082.3	7769.5	7425.5	7057.3	6639.0	6185.0
35°	9436.7	9283.2	9109.4	8905.8	8681.0	8410.9	8113.7	7769.5	7393.0	6987.0	6536.0
32.5°	9686.0	9538.7	9376.4	9177.6	8956.3	8705.6	8410.9	8082.3	7708.5	7296.2	6847.7
30°	9891.6	9759.0	9601.0	9419.9	9200.6	8956.3	8681.0	8355.3	7989.0	7581.7	7136.8
27.5°	10068.8	9947.5	9795.4	9622.1	9419.9	9177.6	8905.8	8600.6	8245.5	7835.5	7388.0
25°	10218.0	10102.5	9963.7	9795.4	9601.0	9376.4	9109.4	8806.0	8460.9	8067.4	7622.4
22.5°	10341.1	10232.2	10102.5	9947.5	9759.0	9538.7	9283.2	8990.6	8659.4	8269.6	7824.4
20°	10435.6	10341.1	10218.0	10068.8	9891.6	9686.0	9436.7	9146.5	8816.8	8439.4	8006.1
17.5°	10496.3	10423.2	10314.9	10175.8	10002.7	9799.8	9561.0	9281.2	8958.9	8592.3	8169.3
15°	10537.2	10481.9	10386.6	10256.6	10095.3	9900.0	9671.5	9400.1	9080.1	8716.5	8296.5
12.5°	10547.3	10518.6	10447.4	10327.6	10172.4	9980.8	9755.5	9488.3	9175.1	8816.2	8403.3
10°	10553.2	10539.4	10482.4	10374.6	10227.1	10043.0	9822.4	9561.7	9254.0	8898.9	8491.7
7.5°	10548.8	10545.8	10505.3	10412.2	10270.6	10092.3	9875.4	9619.6	9316.2	8963.9	8561.1
5°	10545.4	10550.4	10522.1	10439.6	10302.2	10128.1	9913.7	9661.4	9361.1	9010.8	8611.1
2.5°	10543.4	10553.3	10532.4	10456.3	10321.5	10149.7	9936.8	9686.7	9388.1	9039.1	8641.2
0°	10542.7	10554.3	10535.8	10461.9	10327.9	10157.0	9944.6	9695.2	9397.2	9048.5	8651.3
-2.5°	10543.4	10553.3	10532.4	10456.3	10321.5	10149.7	9936.8	9686.7	9388.1	9039.1	8641.2
-5°	10545.4	10550.4	10522.1	10439.6	10302.2	10128.1	9913.7	9661.4	9361.1	9010.8	8611.1
-7.5°	10548.8	10545.8	10505.3	10412.2	10270.6	10092.3	9875.4	9619.6	9316.2	8963.9	8561.1
-10°	10553.2	10539.4	10482.4	10374.6	10227.1	10043.0	9822.4	9561.7	9254.0	8898.9	8491.7
-12.5°	10547.3	10518.6	10447.4	10327.6	10172.4	9980.8	9755.5	9488.3	9175.1	8816.2	8403.3
-15°	10537.2	10481.9	10386.6	10256.6	10095.3	9900.0	9671.5	9400.1	9080.1	8716.5	8296.5
-17.5°	10496.3	10423.2	10314.9	10175.8	10002.7	9799.8	9561.0	9281.2	8958.9	8592.3	8169.3
-20°	10435.6	10341.1	10218.0	10068.8	9891.6	9686.0	9436.7	9146.5	8816.8	8439.4	8006.1



REPORT NUMBER: P645526 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5D-727-U-LAM-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	10341.1	10232.2	10102.5	9947.5	9759.0	9538.7	9283.2	8990.6	8659.4	8269.6	7824.4
-25°	10218.0	10102.5	9963.7	9795.4	9601.0	9376.4	9109.4	8806.0	8460.9	8067.4	7622.4
-27.5°	10068.8	9947.5	9795.4	9622.1	9419.9	9177.6	8905.8	8600.6	8245.5	7835.5	7388.0
-30°	9891.6	9759.0	9601.0	9419.9	9200.6	8956.3	8681.0	8355.3	7989.0	7581.7	7136.8
-32.5°	9686.0	9538.7	9376.4	9177.6	8956.3	8705.6	8410.9	8082.3	7708.5	7296.2	6847.7
-35°	9436.7	9283.2	9109.4	8905.8	8681.0	8410.9	8113.7	7769.5	7393.0	6987.0	6536.0
-37.5°	9146.5	8990.6	8806.0	8600.6	8355.3	8082.3	7769.5	7425.5	7057.3	6639.0	6185.0
-40°	8816.8	8659.4	8460.9	8245.5	7989.0	7708.5	7393.0	7057.3	6673.5	6259.9	5807.6
-42.5°	8439.4	8269.6	8067.4	7835.5	7581.7	7296.2	6987.0	6639.0	6259.9	5844.5	5376.3
-45°	8006.1	7824.4	7622.4	7388.0	7136.8	6847.7	6536.0	6185.0	5807.6	5376.3	4919.2
-47.5°	7518.8	7336.1	7135.4	6900.7	6641.8	6358.9	6036.3	5694.1	5294.3	4876.9	4427.0
-50°	6988.5	6801.8	6596.3	6366.3	6100.1	5816.3	5488.9	5131.7	4750.6	4343.7	3926.6
-52.5°	6403.8	6213.3	6003.3	5774.7	5503.2	5206.0	4889.6	4542.3	4178.3	3807.3	3425.3
-55°	5755.5	5562.1	5344.0	5106.2	4846.6	4559.6	4254.8	3937.7	3610.5	3268.8	2926.1
-57.5°	5023.5	4839.2	4630.3	4402.3	4156.1	3897.9	3626.0	3338.6	3068.1	2796.3	2524.1
-60°	4254.8	4082.7	3897.9	3696.3	3478.2	3246.9	3032.5	2805.7	2567.1	2372.7	2171.5
-62.5°	3496.6	3345.5	3190.0	3032.5	2862.0	2679.0	2501.5	2341.8	2173.7	2001.0	1847.7
-65°	2813.7	2696.7	2567.1	2456.2	2337.4	2209.8	2073.7	1944.2	1817.4	1684.4	1549.7
-67.5°	2252.1	2171.5	2082.2	1990.1	1901.6	1806.5	1705.0	1597.3	1500.9	1406.6	1308.1
-70°	1791.6	1732.5	1666.8	1594.9	1527.1	1460.7	1389.7	1314.4	1234.9	1164.9	1098.4
-72.5°	1410.3	1369.7	1324.6	1275.1	1221.5	1174.2	1127.2	1077.3	1024.5	969.0	913.8
-75°	1107.2	1080.8	1051.6	1019.5	984.6	947.1	910.4	872.8	833.1	791.3	747.6
-77.5°	861.8	842.6	821.3	797.8	772.4	744.9	715.6	683.9	649.3	612.8	574.7
-80°	633.9	617.8	600.0	580.4	559.1	536.2	511.7	485.6	457.9	430.2	402.5
-82.5°	401.8	390.9	378.8	365.5	351.1	335.5	318.8	301.1	282.3	262.6	241.8
-85°	195.8	190.8	185.3	179.2	172.6	165.5	157.9	149.8	141.2	132.1	122.6
-87.5°	54.2	53.3	52.3	51.2	50.0	48.7	47.3	45.8	44.2	42.5	40.8
-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: P645526 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5D-727-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°	39.0	37.1	35.1	33.1	31.0	28.8	26.6	24.4	22.1	19.7	17.3
85°	112.7	102.4	91.7	80.7	69.3	57.6	53.2	48.7	44.1	39.4	34.7
82.5°	220.2	203.0	187.0	170.4	153.3	135.7	117.7	99.3	80.5	61.4	51.9
80°	373.6	343.6	312.5	280.3	247.1	213.6	189.6	165.1	140.0	114.6	88.7
77.5°	534.9	493.5	450.6	409.7	368.3	325.7	282.1	237.5	199.2	167.4	135.1
75°	701.9	652.6	601.1	547.9	493.1	437.5	385.2	331.8	277.4	222.0	181.1
72.5°	860.5	805.2	747.8	688.3	624.5	559.0	491.9	425.2	361.8	297.4	232.0
70°	1029.1	957.1	889.0	821.3	751.8	679.7	603.2	525.1	445.5	371.9	297.4
67.5°	1206.1	1125.0	1041.2	954.9	874.4	794.2	712.3	625.4	536.2	445.5	361.8
65°	1435.5	1317.1	1197.9	1102.0	1003.4	906.4	815.5	722.9	625.4	525.1	425.2
62.5°	1688.4	1532.3	1397.7	1259.1	1138.7	1027.8	917.1	815.5	712.3	603.2	491.9
60°	1971.9	1791.6	1605.8	1446.4	1291.5	1150.9	1027.8	906.4	794.2	679.7	559.0
57.5°	2297.3	2062.9	1854.1	1647.2	1462.7	1291.5	1138.7	1003.4	874.4	751.8	624.5
55°	2645.2	2373.4	2113.3	1875.0	1647.2	1446.4	1259.1	1102.0	954.9	821.3	688.3
52.5°	3062.5	2711.6	2398.8	2113.3	1854.1	1605.8	1397.7	1197.9	1041.2	889.0	747.8
50°	3504.0	3096.1	2711.6	2373.4	2062.9	1791.6	1532.3	1317.1	1125.0	957.1	805.2
47.5°	3966.5	3504.0	3062.5	2645.2	2297.3	1971.9	1688.4	1435.5	1206.1	1029.1	860.5
45°	4427.0	3926.6	3425.3	2962.1	2524.1	2171.5	1847.7	1549.7	1308.1	1098.4	913.8
42.5°	4876.9	4343.7	3807.3	3268.8	2796.3	2372.7	2001.0	1684.4	1406.6	1164.9	969.0
40°	5294.3	4750.6	4178.3	3610.5	3068.1	2567.1	2173.7	1817.4	1500.9	1234.9	1024.5
37.5°	5694.1	5131.7	4542.3	3937.7	3338.6	2805.7	2341.8	1944.2	1597.3	1314.4	1077.3
35°	6036.3	5488.9	4889.6	4254.8	3626.0	3032.5	2501.5	2073.7	1705.0	1389.7	1127.2
32.5°	6358.9	5816.3	5206.0	4559.6	3897.9	3246.9	2679.0	2209.8	1806.5	1460.7	1174.2
30°	6641.8	6100.1	5503.2	4846.6	4156.1	3478.2	2862.0	2337.4	1901.6	1527.1	1221.5
27.5°	6900.7	6366.3	5774.7	5106.2	4402.3	3696.3	3032.5	2456.2	1990.1	1594.9	1275.1
25°	7135.4	6596.3	6003.3	5344.0	4630.3	3897.9	3190.0	2567.1	2082.2	1666.8	1324.6
22.5°	7336.1	6801.8	6213.3	5562.1	4839.2	4082.7	3345.5	2696.7	2171.5	1732.5	1369.7
20°	7518.8	6988.5	6403.8	5755.5	5023.5	4254.8	3496.6	2813.7	2252.1	1791.6	1410.3
17.5°	7680.4	7148.0	6560.5	5911.7	5184.7	4408.2	3631.1	2917.7	2323.7	1844.2	1446.4
15°	7812.9	7280.4	6695.2	6048.4	5325.8	4542.3	3748.6	3008.6	2386.2	1890.1	1477.8
12.5°	7926.4	7393.8	6810.4	6165.2	5446.1	4656.5	3848.7	3085.9	2439.3	1929.1	1504.6
10°	8020.3	7487.4	6905.4	6261.4	5545.2	4750.6	3931.0	3149.5	2483.0	1961.2	1526.5
7.5°	8093.9	7560.8	6979.9	6336.7	5622.7	4824.2	3995.4	3199.2	2517.2	1986.2	1543.7
5°	8146.8	7613.5	7033.3	6390.8	5678.3	4876.9	4041.5	3234.8	2541.6	2004.1	1556.0
2.5°	8178.7	7645.3	7065.5	6423.3	5711.7	4908.6	4069.2	3256.2	2556.3	2014.9	1563.3
0°	8189.4	7655.9	7076.2	6434.2	5722.9	4919.2	4078.5	3263.3	2561.2	2018.5	1565.8
-2.5°	8178.7	7645.3	7065.5	6423.3	5711.7	4908.6	4069.2	3256.2	2556.3	2014.9	1563.3
-5°	8146.8	7613.5	7033.3	6390.8	5678.3	4876.9	4041.5	3234.8	2541.6	2004.1	1556.0
-7.5°	8093.9	7560.8	6979.9	6336.7	5622.7	4824.2	3995.4	3199.2	2517.2	1986.2	1543.7
-10°	8020.3	7487.4	6905.4	6261.4	5545.2	4750.6	3931.0	3149.5	2483.0	1961.2	1526.5
-12.5°	7926.4	7393.8	6810.4	6165.2	5446.1	4656.5	3848.7	3085.9	2439.3	1929.1	1504.6
-15°	7812.9	7280.4	6695.2	6048.4	5325.8	4542.3	3748.6	3008.6	2386.2	1890.1	1477.8
-17.5°	7680.4	7148.0	6560.5	5911.7	5184.7	4408.2	3631.1	2917.7	2323.7	1844.2	1446.4
-20°	7518.8	6988.5	6403.8	5755.5	5023.5	4254.8	3496.6	2813.7	2252.1	1791.6	1410.3

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Scaled Data Report



REPORT NUMBER: P645526 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA5D-727-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°	7336.1	6801.8	6213.3	5562.1	4839.2	4082.7	3345.5	2696.7	2171.5	1732.5	1369.7
-25°	7135.4	6596.3	6003.3	5344.0	4630.3	3897.9	3190.0	2567.1	2082.2	1666.8	1324.6
-27.5°	6900.7	6366.3	5774.7	5106.2	4402.3	3696.3	3032.5	2456.2	1990.1	1594.9	1275.1
-30°	6641.8	6100.1	5503.2	4846.6	4156.1	3478.2	2862.0	2337.4	1901.6	1527.1	1221.5
-32.5°	6358.9	5816.3	5206.0	4559.6	3897.9	3246.9	2679.0	2209.8	1806.5	1460.7	1174.2
-35°	6036.3	5488.9	4889.6	4254.8	3626.0	3032.5	2501.5	2073.7	1705.0	1389.7	1127.2
-37.5°	5694.1	5131.7	4542.3	3937.7	3338.6	2805.7	2341.8	1944.2	1597.3	1314.4	1077.3
-40°	5294.3	4750.6	4178.3	3610.5	3068.1	2567.1	2173.7	1817.4	1500.9	1234.9	1024.5
-42.5°	4876.9	4343.7	3807.3	3268.8	2796.3	2372.7	2001.0	1684.4	1406.6	1164.9	969.0
-45°	4427.0	3926.6	3425.3	2962.1	2524.1	2171.5	1847.7	1549.7	1308.1	1098.4	913.8
-47.5°	3966.5	3504.0	3062.5	2645.2	2297.3	1971.9	1688.4	1435.5	1206.1	1029.1	860.5
-50°	3504.0	3096.1	2711.6	2373.4	2062.9	1791.6	1532.3	1317.1	1125.0	957.1	805.2
-52.5°	3062.5	2711.6	2398.8	2113.3	1854.1	1605.8	1397.7	1197.9	1041.2	889.0	747.8
-55°	2645.2	2373.4	2113.3	1875.0	1647.2	1446.4	1259.1	1102.0	954.9	821.3	688.3
-57.5°	2297.3	2062.9	1854.1	1647.2	1462.7	1291.5	1138.7	1003.4	874.4	751.8	624.5
-60°	1971.9	1791.6	1605.8	1446.4	1291.5	1150.9	1027.8	906.4	794.2	679.7	559.0
-62.5°	1688.4	1532.3	1397.7	1259.1	1138.7	1027.8	917.1	815.5	712.3	603.2	491.9
-65°	1435.5	1317.1	1197.9	1102.0	1003.4	906.4	815.5	722.9	625.4	525.1	425.2
-67.5°	1206.1	1125.0	1041.2	954.9	874.4	794.2	712.3	625.4	536.2	445.5	361.8
-70°	1029.1	957.1	889.0	821.3	751.8	679.7	603.2	525.1	445.5	371.9	297.4
-72.5°	860.5	805.2	747.8	688.3	624.5	559.0	491.9	425.2	361.8	297.4	232.0
-75°	701.9	652.6	601.1	547.9	493.1	437.5	385.2	331.8	277.4	222.0	181.1
-77.5°	534.9	493.5	450.6	409.7	368.3	325.7	282.1	237.5	199.2	167.4	135.1
-80°	373.6	343.6	312.5	280.3	247.1	213.6	189.6	165.1	140.0	114.6	88.7
-82.5°	220.2	203.0	187.0	170.4	153.3	135.7	117.7	99.3	80.5	61.4	51.9
-85°	112.7	102.4	91.7	80.7	69.3	57.6	53.2	48.7	44.1	39.4	34.7
-87.5°	39.0	37.1	35.1	33.1	31.0	28.8	26.6	24.4	22.1	19.7	17.3
-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: P645526 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA5D-727-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°	14.9	12.5	10.0	7.5	5.0	2.5	0.0
85°	29.8	24.9	20.0	15.0	10.0	5.0	0.0
82.5°	44.7	37.4	30.0	22.5	15.0	7.5	0.0
80°	62.5	49.7	39.9	30.0	20.0	10.0	0.0
77.5°	102.4	69.3	49.7	37.4	24.9	12.5	0.0
75°	142.0	102.4	62.5	44.7	29.8	14.9	0.0
72.5°	181.1	135.1	88.7	51.9	34.7	17.3	0.0
70°	222.0	167.4	114.6	61.4	39.4	19.7	0.0
67.5°	277.4	199.2	140.0	80.5	44.1	22.1	0.0
65°	331.8	237.5	165.1	99.3	48.7	24.4	0.0
62.5°	385.2	282.1	189.6	117.7	53.2	26.6	0.0
60°	437.5	325.7	213.6	135.7	57.6	28.8	0.0
57.5°	493.1	368.3	247.1	153.3	69.3	31.0	0.0
55°	547.9	409.7	280.3	170.4	80.7	33.1	0.0
52.5°	601.1	450.6	312.5	187.0	91.7	35.1	0.0
50°	652.6	493.5	343.6	203.0	102.4	37.1	0.0
47.5°	701.9	534.9	373.6	220.2	112.7	39.0	0.0
45°	747.6	574.7	402.5	241.8	122.6	40.8	0.0
42.5°	791.3	612.8	430.2	262.6	132.1	42.5	0.0
40°	833.1	649.3	457.9	282.3	141.2	44.2	0.0
37.5°	872.8	683.9	485.6	301.1	149.8	45.8	0.0
35°	910.4	715.6	511.7	318.8	157.9	47.3	0.0
32.5°	947.1	744.9	536.2	335.5	165.5	48.7	0.0
30°	984.6	772.4	559.1	351.1	172.6	50.0	0.0
27.5°	1019.5	797.8	580.4	365.5	179.2	51.2	0.0
25°	1051.6	821.3	600.0	378.8	185.3	52.3	0.0
22.5°	1080.8	842.6	617.8	390.9	190.8	53.3	0.0
20°	1107.2	861.8	633.9	401.8	195.8	54.2	0.0
17.5°	1130.5	878.9	648.1	411.5	200.2	55.0	0.0
15°	1150.9	893.8	660.5	419.9	204.1	55.7	0.0
12.5°	1168.3	906.4	671.1	427.1	207.3	56.3	0.0
10°	1182.5	916.8	679.7	432.9	210.0	56.8	0.0
7.5°	1193.6	924.9	686.5	437.5	212.1	57.2	0.0
5°	1201.5	930.7	691.3	440.8	213.6	57.5	0.0
2.5°	1206.3	934.1	694.2	442.7	214.5	57.6	0.0
0°	1207.9	935.3	695.2	443.4	214.8	57.7	0.0
-2.5°	1206.3	934.1	694.2	442.7	214.5	57.6	0.0
-5°	1201.5	930.7	691.3	440.8	213.6	57.5	0.0
-7.5°	1193.6	924.9	686.5	437.5	212.1	57.2	0.0
-10°	1182.5	916.8	679.7	432.9	210.0	56.8	0.0
-12.5°	1168.3	906.4	671.1	427.1	207.3	56.3	0.0
-15°	1150.9	893.8	660.5	419.9	204.1	55.7	0.0
-17.5°	1130.5	878.9	648.1	411.5	200.2	55.0	0.0
-20°	1107.2	861.8	633.9	401.8	195.8	54.2	0.0

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REPORT NUMBER: P645526 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA5D-727-U-LAM-XX

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	1080.8	842.6	617.8	390.9	190.8	53.3	0.0
-25°	1051.6	821.3	600.0	378.8	185.3	52.3	0.0
-27.5°	1019.5	797.8	580.4	365.5	179.2	51.2	0.0
-30°	984.6	772.4	559.1	351.1	172.6	50.0	0.0
-32.5°	947.1	744.9	536.2	335.5	165.5	48.7	0.0
-35°	910.4	715.6	511.7	318.8	157.9	47.3	0.0
-37.5°	872.8	683.9	485.6	301.1	149.8	45.8	0.0
-40°	833.1	649.3	457.9	282.3	141.2	44.2	0.0
-42.5°	791.3	612.8	430.2	262.6	132.1	42.5	0.0
-45°	747.6	574.7	402.5	241.8	122.6	40.8	0.0
-47.5°	701.9	534.9	373.6	220.2	112.7	39.0	0.0
-50°	652.6	493.5	343.6	203.0	102.4	37.1	0.0
-52.5°	601.1	450.6	312.5	187.0	91.7	35.1	0.0
-55°	547.9	409.7	280.3	170.4	80.7	33.1	0.0
-57.5°	493.1	368.3	247.1	153.3	69.3	31.0	0.0
-60°	437.5	325.7	213.6	135.7	57.6	28.8	0.0
-62.5°	385.2	282.1	189.6	117.7	53.2	26.6	0.0
-65°	331.8	237.5	165.1	99.3	48.7	24.4	0.0
-67.5°	277.4	199.2	140.0	80.5	44.1	22.1	0.0
-70°	222.0	167.4	114.6	61.4	39.4	19.7	0.0
-72.5°	181.1	135.1	88.7	51.9	34.7	17.3	0.0
-75°	142.0	102.4	62.5	44.7	29.8	14.9	0.0
-77.5°	102.4	69.3	49.7	37.4	24.9	12.5	0.0
-80°	62.5	49.7	39.9	30.0	20.0	10.0	0.0
-82.5°	44.7	37.4	30.0	22.5	15.0	7.5	0.0
-85°	29.8	24.9	20.0	15.0	10.0	5.0	0.0
-87.5°	14.9	12.5	10.0	7.5	5.0	2.5	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)