

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: P645318 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA1B-750-U-LAM-XX

Issue Date: 2/28/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P645318 (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-SA1B-750-U-LAM-XX  
Description: GALLEON FLOOD, ONE LIGHT SQAURE, LAMBERTIAN  
Light Source: (16) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

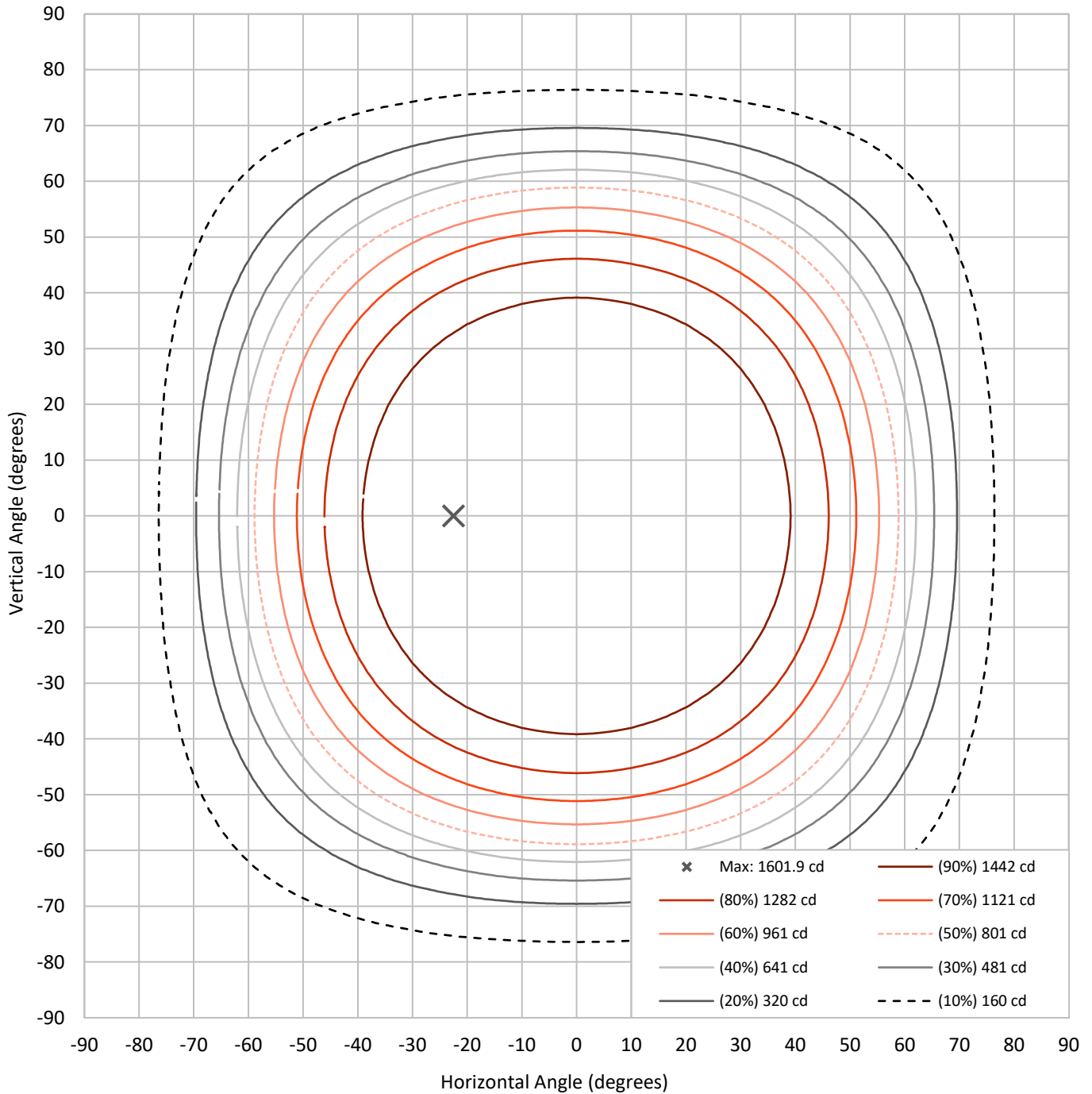
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	4900.4 lumens	Max Intensity:	1601.9 candela
Efficiency:	N/A	Max Intensity Angle:	-22.5°H x 0°V
Efficacy:	146.3 lumens/watt		
Luminous Opening:	Rectangular (W 0.5' 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:	4078.2 lumens	Field Lumens:	4804 lumens
Beam Efficiency:	83.2%	Field Efficiency:	98.0%
Input Watts (W):	33.5		
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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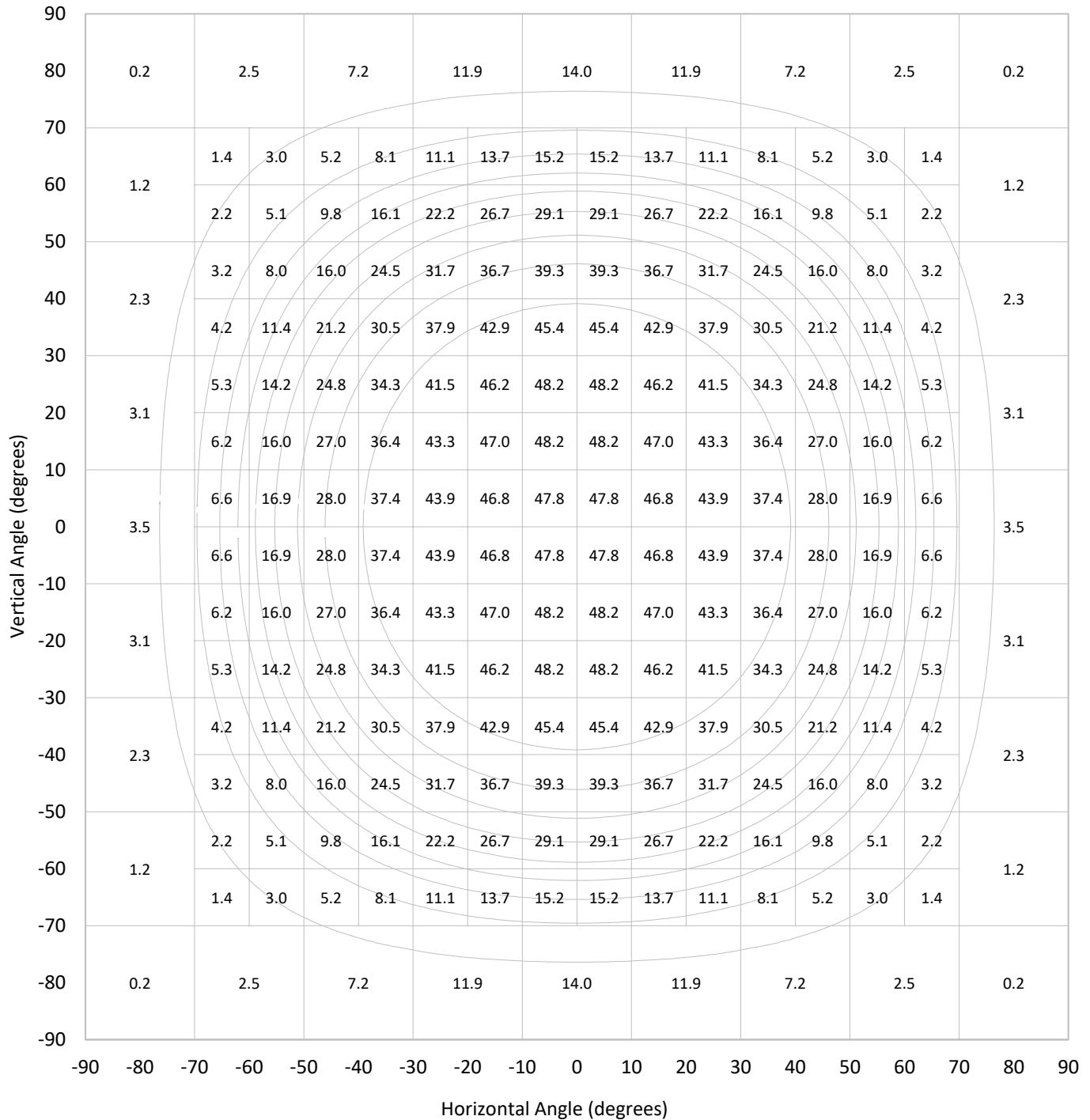
### Iso-Candela Plot





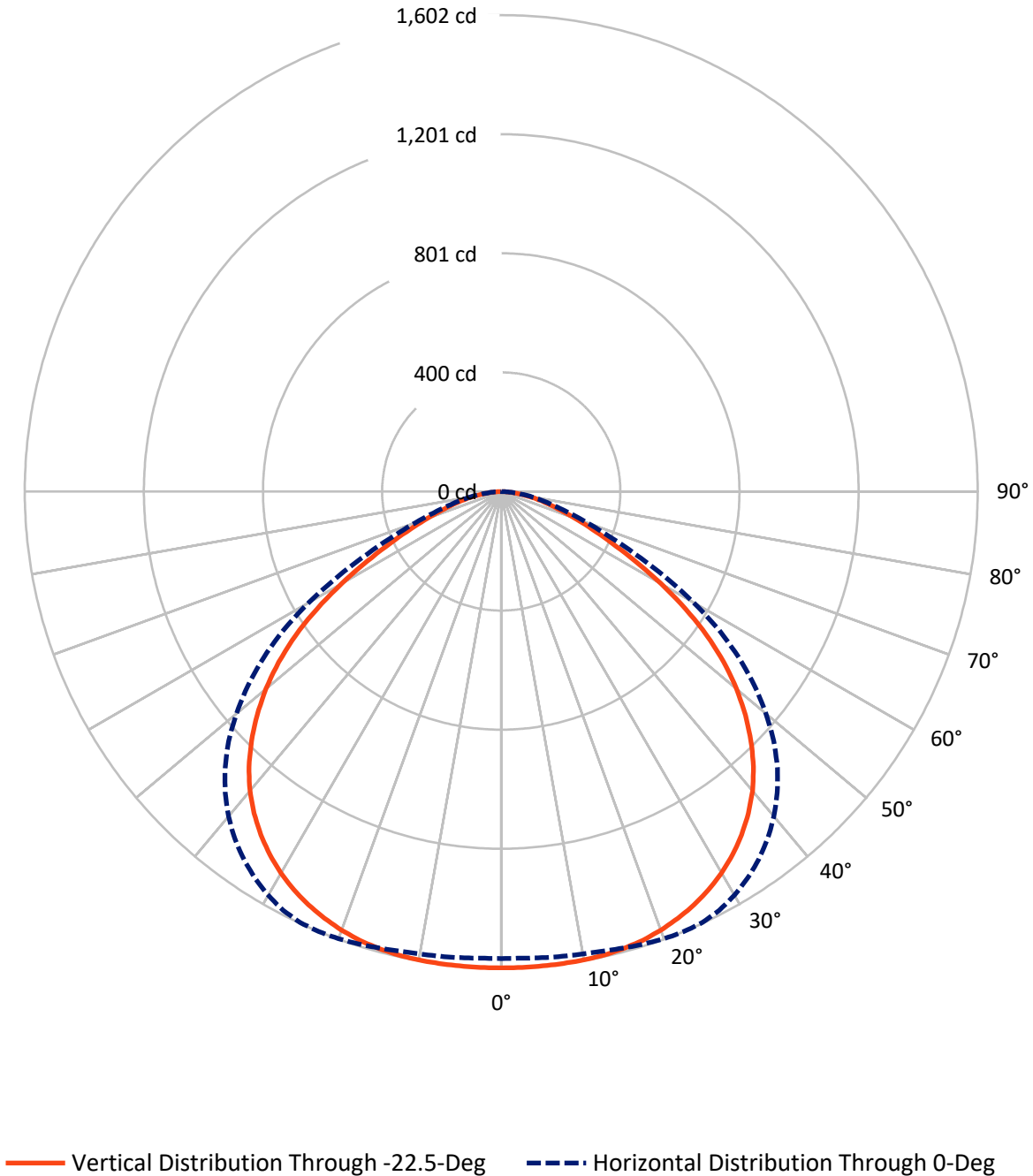
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### Lumen Table



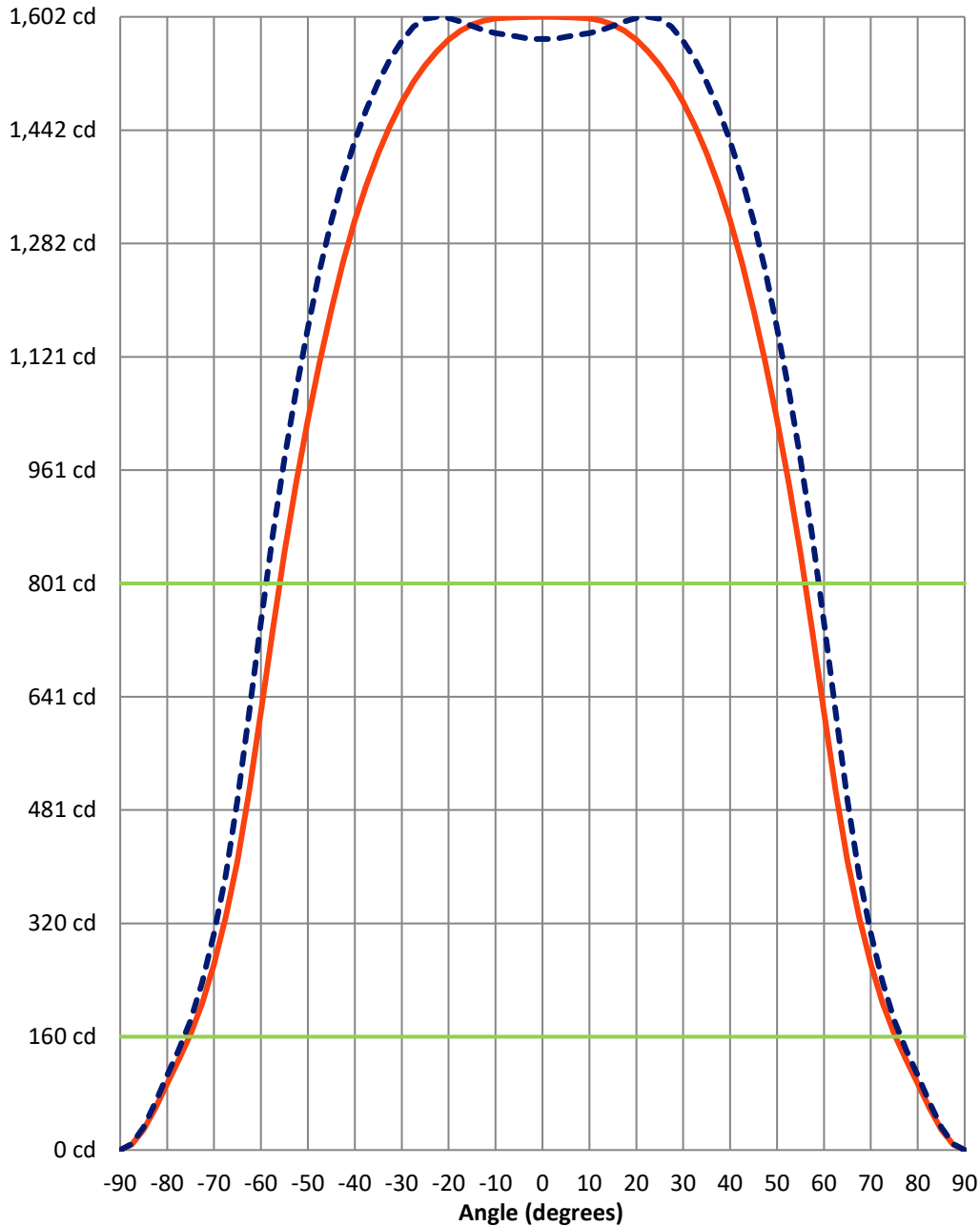
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CATALOG NUMBER: GFLD-SA1B-750-U-LAM-XX

### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 117.8°  
 V Angle: 112°  
 Lumens: 4078.2  
 Efficiency: 83.2%

**Field:**  
 H Angle: 152.8°  
 V Angle: 150.5°  
 Lumens: 4804  
 Efficiency: 98.0%

**Spill:**  
 Lumens: 96.4  
 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	0.4	0.8	1.1	1.5	1.9	2.3	2.6	3.0	3.4	3.7
85°	0.0	0.8	1.5	2.3	3.1	3.8	4.5	5.3	6.0	6.7	7.4
82.5°	0.0	1.1	2.3	3.4	4.6	5.7	6.8	7.9	9.4	12.3	15.1
80°	0.0	1.5	3.1	4.6	6.1	7.6	9.5	13.5	17.4	21.3	25.1
77.5°	0.0	1.9	3.8	5.7	7.6	10.6	15.6	20.5	25.4	30.2	36.0
75°	0.0	2.3	4.5	6.8	9.5	15.6	21.6	27.5	33.7	42.1	50.4
72.5°	0.0	2.6	5.3	7.9	13.5	20.5	27.5	35.2	45.1	54.9	64.5
70°	0.0	3.0	6.0	9.4	17.4	25.4	33.7	45.1	56.4	67.6	79.7
67.5°	0.0	3.4	6.7	12.3	21.3	30.2	42.1	54.9	67.6	81.4	94.9
65°	0.0	3.7	7.4	15.1	25.1	36.0	50.4	64.5	79.7	94.9	109.7
62.5°	0.0	4.1	8.1	17.9	28.8	42.8	58.5	74.7	91.5	108.1	123.8
60°	0.0	4.4	8.8	20.6	32.4	49.4	66.4	84.8	103.2	120.6	137.6
57.5°	0.0	4.7	10.6	23.3	37.5	55.9	74.8	94.8	114.1	132.7	152.3
55°	0.0	5.0	12.3	25.9	42.5	62.2	83.1	104.5	124.7	145.0	167.3
52.5°	0.0	5.4	14.0	28.4	47.4	68.4	91.2	113.5	135.0	158.1	181.8
50°	0.0	5.7	15.6	30.8	52.2	74.9	99.0	122.2	145.3	170.7	199.9
47.5°	0.0	5.9	17.1	33.4	56.7	81.2	106.5	130.6	156.2	183.0	217.9
45°	0.0	6.2	18.6	36.7	61.1	87.2	113.5	138.7	166.7	198.5	235.3
42.5°	0.0	6.5	20.1	39.9	65.3	93.0	120.1	147.1	176.8	213.5	255.7
40°	0.0	6.7	21.4	42.9	69.5	98.5	126.5	155.5	187.4	227.8	275.9
37.5°	0.0	7.0	22.7	45.7	73.7	103.8	132.5	163.5	199.5	242.5	295.1
35°	0.0	7.2	24.0	48.4	77.7	108.6	138.2	171.1	210.9	258.8	314.8
32.5°	0.0	7.4	25.1	50.9	81.4	113.1	143.8	178.2	221.7	274.2	335.4
30°	0.0	7.6	26.2	53.3	84.9	117.2	149.5	185.4	231.8	288.7	354.8
27.5°	0.0	7.8	27.2	55.5	88.1	121.1	154.8	193.5	242.1	302.1	372.8
25°	0.0	8.0	28.1	57.5	91.1	124.7	159.6	201.0	253.0	316.1	389.6
22.5°	0.0	8.1	29.0	59.3	93.8	127.9	164.0	207.9	263.0	329.6	409.3
20°	0.0	8.3	29.7	61.0	96.2	130.8	168.0	214.1	272.0	341.8	427.0
17.5°	0.0	8.4	30.4	62.5	98.4	133.4	171.6	219.5	280.0	352.7	442.8
15°	0.0	8.5	31.0	63.7	100.2	135.7	174.7	224.3	286.9	362.2	456.6
12.5°	0.0	8.6	31.5	64.8	101.8	137.6	177.3	228.4	292.8	370.2	468.4
10°	0.0	8.7	31.9	65.7	103.2	139.2	179.4	231.7	297.7	376.8	478.0
7.5°	0.0	8.7	32.2	66.4	104.2	140.4	181.1	234.3	301.5	382.0	485.6
5°	0.0	8.8	32.4	66.9	104.9	141.3	182.3	236.2	304.2	385.7	491.0
2.5°	0.0	8.8	32.6	67.2	105.4	141.8	183.1	237.3	305.9	388.0	494.2
0°	0.0	8.8	32.6	67.3	105.5	142.0	183.3	237.7	306.4	388.7	495.3
-2.5°	0.0	8.8	32.6	67.2	105.4	141.8	183.1	237.3	305.9	388.0	494.2
-5°	0.0	8.8	32.4	66.9	104.9	141.3	182.3	236.2	304.2	385.7	491.0
-7.5°	0.0	8.7	32.2	66.4	104.2	140.4	181.1	234.3	301.5	382.0	485.6
-10°	0.0	8.7	31.9	65.7	103.2	139.2	179.4	231.7	297.7	376.8	478.0
-12.5°	0.0	8.6	31.5	64.8	101.8	137.6	177.3	228.4	292.8	370.2	468.4
-15°	0.0	8.5	31.0	63.7	100.2	135.7	174.7	224.3	286.9	362.2	456.6
-17.5°	0.0	8.4	30.4	62.5	98.4	133.4	171.6	219.5	280.0	352.7	442.8
-20°	0.0	8.3	29.7	61.0	96.2	130.8	168.0	214.1	272.0	341.8	427.0

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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	8.1	29.0	59.3	93.8	127.9	164.0	207.9	263.0	329.6	409.3
-25°	0.0	8.0	28.1	57.5	91.1	124.7	159.6	201.0	253.0	316.1	389.6
-27.5°	0.0	7.8	27.2	55.5	88.1	121.1	154.8	193.5	242.1	302.1	372.8
-30°	0.0	7.6	26.2	53.3	84.9	117.2	149.5	185.4	231.8	288.7	354.8
-32.5°	0.0	7.4	25.1	50.9	81.4	113.1	143.8	178.2	221.7	274.2	335.4
-35°	0.0	7.2	24.0	48.4	77.7	108.6	138.2	171.1	210.9	258.8	314.8
-37.5°	0.0	7.0	22.7	45.7	73.7	103.8	132.5	163.5	199.5	242.5	295.1
-40°	0.0	6.7	21.4	42.9	69.5	98.5	126.5	155.5	187.4	227.8	275.9
-42.5°	0.0	6.5	20.1	39.9	65.3	93.0	120.1	147.1	176.8	213.5	255.7
-45°	0.0	6.2	18.6	36.7	61.1	87.2	113.5	138.7	166.7	198.5	235.3
-47.5°	0.0	5.9	17.1	33.4	56.7	81.2	106.5	130.6	156.2	183.0	217.9
-50°	0.0	5.7	15.6	30.8	52.2	74.9	99.0	122.2	145.3	170.7	199.9
-52.5°	0.0	5.4	14.0	28.4	47.4	68.4	91.2	113.5	135.0	158.1	181.8
-55°	0.0	5.0	12.3	25.9	42.5	62.2	83.1	104.5	124.7	145.0	167.3
-57.5°	0.0	4.7	10.6	23.3	37.5	55.9	74.8	94.8	114.1	132.7	152.3
-60°	0.0	4.4	8.8	20.6	32.4	49.4	66.4	84.8	103.2	120.6	137.6
-62.5°	0.0	4.1	8.1	17.9	28.8	42.8	58.5	74.7	91.5	108.1	123.8
-65°	0.0	3.7	7.4	15.1	25.1	36.0	50.4	64.5	79.7	94.9	109.7
-67.5°	0.0	3.4	6.7	12.3	21.3	30.2	42.1	54.9	67.6	81.4	94.9
-70°	0.0	3.0	6.0	9.4	17.4	25.4	33.7	45.1	56.4	67.6	79.7
-72.5°	0.0	2.6	5.3	7.9	13.5	20.5	27.5	35.2	45.1	54.9	64.5
-75°	0.0	2.3	4.5	6.8	9.5	15.6	21.6	27.5	33.7	42.1	50.4
-77.5°	0.0	1.9	3.8	5.7	7.6	10.6	15.6	20.5	25.4	30.2	36.0
-80°	0.0	1.5	3.1	4.6	6.1	7.6	9.5	13.5	17.4	21.3	25.1
-82.5°	0.0	1.1	2.3	3.4	4.6	5.7	6.8	7.9	9.4	12.3	15.1
-85°	0.0	0.8	1.5	2.3	3.1	3.8	4.5	5.3	6.0	6.7	7.4
-87.5°	0.0	0.4	0.8	1.1	1.5	1.9	2.3	2.6	3.0	3.4	3.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





REPORT NUMBER: P645318 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA1B-750-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°	4.1	4.4	4.7	5.0	5.4	5.7	5.9	6.2	6.5	6.7	7.0
85°	8.1	8.8	10.6	12.3	14.0	15.6	17.1	18.6	20.1	21.4	22.7
82.5°	17.9	20.6	23.3	25.9	28.4	30.8	33.4	36.7	39.9	42.9	45.7
80°	28.8	32.4	37.5	42.5	47.4	52.2	56.7	61.1	65.3	69.5	73.7
77.5°	42.8	49.4	55.9	62.2	68.4	74.9	81.2	87.2	93.0	98.5	103.8
75°	58.5	66.4	74.8	83.1	91.2	99.0	106.5	113.5	120.1	126.5	132.5
72.5°	74.7	84.8	94.8	104.5	113.5	122.2	130.6	138.7	147.1	155.5	163.5
70°	91.5	103.2	114.1	124.7	135.0	145.3	156.2	166.7	176.8	187.4	199.5
67.5°	108.1	120.6	132.7	145.0	158.1	170.7	183.0	198.5	213.5	227.8	242.5
65°	123.8	137.6	152.3	167.3	181.8	199.9	217.9	235.3	255.7	275.9	295.1
62.5°	139.2	156.0	172.8	191.1	212.1	232.6	256.3	280.5	303.7	329.9	355.4
60°	156.0	174.7	196.0	219.5	243.8	272.0	299.3	329.6	360.1	389.6	425.8
57.5°	172.8	196.0	222.0	250.1	281.5	313.1	348.7	383.1	424.4	465.7	506.7
55°	191.1	219.5	250.1	284.6	320.8	360.2	401.5	449.6	496.1	548.0	597.6
52.5°	212.1	243.8	281.5	320.8	364.1	411.5	464.8	519.9	577.9	634.2	689.4
50°	232.6	272.0	313.1	360.2	411.5	469.9	531.8	595.9	659.2	721.0	778.9
47.5°	256.3	299.3	348.7	401.5	464.8	531.8	602.0	671.9	740.2	803.5	864.2
45°	280.5	329.6	383.1	449.6	519.9	595.9	671.9	746.6	816.0	881.5	938.8
42.5°	303.7	360.1	424.4	496.1	577.9	659.2	740.2	816.0	887.1	950.1	1007.7
40°	329.9	389.6	465.7	548.0	634.2	721.0	803.5	881.5	950.1	1012.9	1071.1
37.5°	355.4	425.8	506.7	597.6	689.4	778.9	864.2	938.8	1007.7	1071.1	1127.0
35°	379.6	460.3	550.3	645.8	742.1	833.1	916.2	992.0	1060.5	1122.1	1179.2
32.5°	406.6	492.8	591.6	692.0	790.1	882.8	965.2	1039.3	1107.4	1170.0	1226.7
30°	434.4	527.9	630.8	735.6	835.3	925.9	1008.1	1083.2	1150.7	1212.6	1268.2
27.5°	460.3	561.0	668.1	775.0	876.5	966.3	1047.4	1121.3	1189.3	1251.5	1305.4
25°	484.2	591.6	702.8	811.1	911.2	1001.2	1083.0	1156.9	1224.5	1284.2	1336.6
22.5°	507.8	619.6	734.5	844.2	943.1	1032.4	1113.5	1187.6	1255.2	1314.3	1364.6
20°	530.7	645.8	762.4	873.6	972.0	1060.7	1141.2	1215.2	1280.9	1338.2	1388.3
17.5°	551.1	669.0	786.9	897.3	995.8	1084.9	1165.7	1240.0	1304.1	1359.8	1408.7
15°	568.9	689.4	808.3	918.0	1016.2	1105.0	1185.8	1259.2	1323.0	1378.2	1426.7
12.5°	584.1	706.7	826.6	935.8	1033.7	1122.2	1203.1	1275.5	1338.1	1392.6	1440.1
10°	596.6	721.0	841.6	950.4	1048.1	1136.4	1217.3	1288.9	1350.7	1404.6	1451.2
7.5°	606.4	732.2	853.4	961.8	1059.4	1147.6	1228.5	1299.4	1360.6	1414.0	1460.0
5°	613.4	740.2	861.8	970.0	1067.5	1155.6	1236.5	1307.0	1367.7	1420.8	1466.4
2.5°	617.6	745.0	866.9	975.0	1072.4	1160.4	1241.4	1311.6	1372.0	1424.9	1470.2
0°	619.0	746.6	868.6	976.6	1074.0	1162.0	1243.0	1313.1	1373.4	1426.3	1471.5
-2.5°	617.6	745.0	866.9	975.0	1072.4	1160.4	1241.4	1311.6	1372.0	1424.9	1470.2
-5°	613.4	740.2	861.8	970.0	1067.5	1155.6	1236.5	1307.0	1367.7	1420.8	1466.4
-7.5°	606.4	732.2	853.4	961.8	1059.4	1147.6	1228.5	1299.4	1360.6	1414.0	1460.0
-10°	596.6	721.0	841.6	950.4	1048.1	1136.4	1217.3	1288.9	1350.7	1404.6	1451.2
-12.5°	584.1	706.7	826.6	935.8	1033.7	1122.2	1203.1	1275.5	1338.1	1392.6	1440.1
-15°	568.9	689.4	808.3	918.0	1016.2	1105.0	1185.8	1259.2	1323.0	1378.2	1426.7
-17.5°	551.1	669.0	786.9	897.3	995.8	1084.9	1165.7	1240.0	1304.1	1359.8	1408.7
-20°	530.7	645.8	762.4	873.6	972.0	1060.7	1141.2	1215.2	1280.9	1338.2	1388.3

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CATALOG NUMBER: GFLD-SA1B-750-U-LAM-XX

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	507.8	619.6	734.5	844.2	943.1	1032.4	1113.5	1187.6	1255.2	1314.3	1364.6
-25°	484.2	591.6	702.8	811.1	911.2	1001.2	1083.0	1156.9	1224.5	1284.2	1336.6
-27.5°	460.3	561.0	668.1	775.0	876.5	966.3	1047.4	1121.3	1189.3	1251.5	1305.4
-30°	434.4	527.9	630.8	735.6	835.3	925.9	1008.1	1083.2	1150.7	1212.6	1268.2
-32.5°	406.6	492.8	591.6	692.0	790.1	882.8	965.2	1039.3	1107.4	1170.0	1226.7
-35°	379.6	460.3	550.3	645.8	742.1	833.1	916.2	992.0	1060.5	1122.1	1179.2
-37.5°	355.4	425.8	506.7	597.6	689.4	778.9	864.2	938.8	1007.7	1071.1	1127.0
-40°	329.9	389.6	465.7	548.0	634.2	721.0	803.5	881.5	950.1	1012.9	1071.1
-42.5°	303.7	360.1	424.4	496.1	577.9	659.2	740.2	816.0	887.1	950.1	1007.7
-45°	280.5	329.6	383.1	449.6	519.9	595.9	671.9	746.6	816.0	881.5	938.8
-47.5°	256.3	299.3	348.7	401.5	464.8	531.8	602.0	671.9	740.2	803.5	864.2
-50°	232.6	272.0	313.1	360.2	411.5	469.9	531.8	595.9	659.2	721.0	778.9
-52.5°	212.1	243.8	281.5	320.8	364.1	411.5	464.8	519.9	577.9	634.2	689.4
-55°	191.1	219.5	250.1	284.6	320.8	360.2	401.5	449.6	496.1	548.0	597.6
-57.5°	172.8	196.0	222.0	250.1	281.5	313.1	348.7	383.1	424.4	465.7	506.7
-60°	156.0	174.7	196.0	219.5	243.8	272.0	299.3	329.6	360.1	389.6	425.8
-62.5°	139.2	156.0	172.8	191.1	212.1	232.6	256.3	280.5	303.7	329.9	355.4
-65°	123.8	137.6	152.3	167.3	181.8	199.9	217.9	235.3	255.7	275.9	295.1
-67.5°	108.1	120.6	132.7	145.0	158.1	170.7	183.0	198.5	213.5	227.8	242.5
-70°	91.5	103.2	114.1	124.7	135.0	145.3	156.2	166.7	176.8	187.4	199.5
-72.5°	74.7	84.8	94.8	104.5	113.5	122.2	130.6	138.7	147.1	155.5	163.5
-75°	58.5	66.4	74.8	83.1	91.2	99.0	106.5	113.5	120.1	126.5	132.5
-77.5°	42.8	49.4	55.9	62.2	68.4	74.9	81.2	87.2	93.0	98.5	103.8
-80°	28.8	32.4	37.5	42.5	47.4	52.2	56.7	61.1	65.3	69.5	73.7
-82.5°	17.9	20.6	23.3	25.9	28.4	30.8	33.4	36.7	39.9	42.9	45.7
-85°	8.1	8.8	10.6	12.3	14.0	15.6	17.1	18.6	20.1	21.4	22.7
-87.5°	4.1	4.4	4.7	5.0	5.4	5.7	5.9	6.2	6.5	6.7	7.0
-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: P645318 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA1B-750-U-LAM-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	7.2	7.4	7.6	7.8	8.0	8.1	8.3	8.4	8.5	8.6	8.7
85°	24.0	25.1	26.2	27.2	28.1	29.0	29.7	30.4	31.0	31.5	31.9
82.5°	48.4	50.9	53.3	55.5	57.5	59.3	61.0	62.5	63.7	64.8	65.7
80°	77.7	81.4	84.9	88.1	91.1	93.8	96.2	98.4	100.2	101.8	103.2
77.5°	108.6	113.1	117.2	121.1	124.7	127.9	130.8	133.4	135.7	137.6	139.2
75°	138.2	143.8	149.5	154.8	159.6	164.0	168.0	171.6	174.7	177.3	179.4
72.5°	171.1	178.2	185.4	193.5	201.0	207.9	214.1	219.5	224.3	228.4	231.7
70°	210.9	221.7	231.8	242.1	253.0	263.0	272.0	280.0	286.9	292.8	297.7
67.5°	258.8	274.2	288.7	302.1	316.1	329.6	341.8	352.7	362.2	370.2	376.8
65°	314.8	335.4	354.8	372.8	389.6	409.3	427.0	442.8	456.6	468.4	478.0
62.5°	379.6	406.6	434.4	460.3	484.2	507.8	530.7	551.1	568.9	584.1	596.6
60°	460.3	492.8	527.9	561.0	591.6	619.6	645.8	669.0	689.4	706.7	721.0
57.5°	550.3	591.6	630.8	668.1	702.8	734.5	762.4	786.9	808.3	826.6	841.6
55°	645.8	692.0	735.6	775.0	811.1	844.2	873.6	897.3	918.0	935.8	950.4
52.5°	742.1	790.1	835.3	876.5	911.2	943.1	972.0	995.8	1016.2	1033.7	1048.1
50°	833.1	882.8	925.9	966.3	1001.2	1032.4	1060.7	1084.9	1105.0	1122.2	1136.4
47.5°	916.2	965.2	1008.1	1047.4	1083.0	1113.5	1141.2	1165.7	1185.8	1203.1	1217.3
45°	992.0	1039.3	1083.2	1121.3	1156.9	1187.6	1215.2	1240.0	1259.2	1275.5	1288.9
42.5°	1060.5	1107.4	1150.7	1189.3	1224.5	1255.2	1280.9	1304.1	1323.0	1338.1	1350.7
40°	1122.1	1170.0	1212.6	1251.5	1284.2	1314.3	1338.2	1359.8	1378.2	1392.6	1404.6
37.5°	1179.2	1226.7	1268.2	1305.4	1336.6	1364.6	1388.3	1408.7	1426.7	1440.1	1451.2
35°	1231.5	1276.6	1317.6	1351.7	1382.6	1409.0	1432.3	1451.1	1467.9	1480.7	1490.8
32.5°	1276.6	1321.3	1359.4	1393.0	1423.2	1447.8	1470.1	1487.4	1502.6	1514.9	1524.4
30°	1317.6	1359.4	1396.5	1429.7	1457.2	1481.2	1501.3	1518.2	1532.3	1544.0	1552.3
27.5°	1351.7	1393.0	1429.7	1460.4	1486.7	1509.8	1528.3	1544.5	1556.8	1567.6	1574.7
25°	1382.6	1423.2	1457.2	1486.7	1512.3	1533.4	1550.9	1565.6	1576.5	1585.7	1591.0
22.5°	1409.0	1447.8	1481.2	1509.8	1533.4	1553.1	1569.6	1582.0	1590.9	1596.5	1599.6
20°	1432.3	1470.1	1501.3	1528.3	1550.9	1569.6	1583.9	1593.1	1599.3	1600.8	1601.7
17.5°	1451.1	1487.4	1518.2	1544.5	1565.6	1582.0	1593.1	1599.6	1601.5	1601.1	1600.3
15°	1467.9	1502.6	1532.3	1556.8	1576.5	1590.9	1599.3	1601.5	1600.9	1599.1	1596.2
12.5°	1480.7	1514.9	1544.0	1567.6	1585.7	1596.5	1600.8	1601.1	1599.1	1595.5	1591.4
10°	1490.8	1524.4	1552.3	1574.7	1591.0	1599.6	1601.7	1600.3	1596.2	1591.4	1586.9
7.5°	1498.9	1531.9	1558.9	1580.4	1594.5	1600.6	1601.1	1598.2	1593.4	1587.9	1583.0
5°	1504.7	1537.3	1563.7	1584.5	1597.0	1601.3	1600.6	1596.6	1591.0	1585.3	1580.8
2.5°	1508.2	1540.6	1566.6	1587.1	1598.6	1601.8	1600.3	1595.6	1589.5	1583.6	1579.3
0°	1509.4	1541.7	1567.6	1587.9	1599.1	1601.9	1600.2	1595.3	1589.0	1583.0	1578.8
-2.5°	1508.2	1540.6	1566.6	1587.1	1598.6	1601.8	1600.3	1595.6	1589.5	1583.6	1579.3
-5°	1504.7	1537.3	1563.7	1584.5	1597.0	1601.3	1600.6	1596.6	1591.0	1585.3	1580.8
-7.5°	1498.9	1531.9	1558.9	1580.4	1594.5	1600.6	1601.1	1598.2	1593.4	1587.9	1583.0
-10°	1490.8	1524.4	1552.3	1574.7	1591.0	1599.6	1601.7	1600.3	1596.2	1591.4	1586.9
-12.5°	1480.7	1514.9	1544.0	1567.6	1585.7	1596.5	1600.8	1601.1	1599.1	1595.5	1591.4
-15°	1467.9	1502.6	1532.3	1556.8	1576.5	1590.9	1599.3	1601.5	1600.9	1599.1	1596.2
-17.5°	1451.1	1487.4	1518.2	1544.5	1565.6	1582.0	1593.1	1599.6	1601.5	1601.1	1600.3
-20°	1432.3	1470.1	1501.3	1528.3	1550.9	1569.6	1583.9	1593.1	1599.3	1600.8	1601.7



REPORT NUMBER: P645318 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA1B-750-U-LAM-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	1409.0	1447.8	1481.2	1509.8	1533.4	1553.1	1569.6	1582.0	1590.9	1596.5	1599.6
-25°	1382.6	1423.2	1457.2	1486.7	1512.3	1533.4	1550.9	1565.6	1576.5	1585.7	1591.0
-27.5°	1351.7	1393.0	1429.7	1460.4	1486.7	1509.8	1528.3	1544.5	1556.8	1567.6	1574.7
-30°	1317.6	1359.4	1396.5	1429.7	1457.2	1481.2	1501.3	1518.2	1532.3	1544.0	1552.3
-32.5°	1276.6	1321.3	1359.4	1393.0	1423.2	1447.8	1470.1	1487.4	1502.6	1514.9	1524.4
-35°	1231.5	1276.6	1317.6	1351.7	1382.6	1409.0	1432.3	1451.1	1467.9	1480.7	1490.8
-37.5°	1179.2	1226.7	1268.2	1305.4	1336.6	1364.6	1388.3	1408.7	1426.7	1440.1	1451.2
-40°	1122.1	1170.0	1212.6	1251.5	1284.2	1314.3	1338.2	1359.8	1378.2	1392.6	1404.6
-42.5°	1060.5	1107.4	1150.7	1189.3	1224.5	1255.2	1280.9	1304.1	1323.0	1338.1	1350.7
-45°	992.0	1039.3	1083.2	1121.3	1156.9	1187.6	1215.2	1240.0	1259.2	1275.5	1288.9
-47.5°	916.2	965.2	1008.1	1047.4	1083.0	1113.5	1141.2	1165.7	1185.8	1203.1	1217.3
-50°	833.1	882.8	925.9	966.3	1001.2	1032.4	1060.7	1084.9	1105.0	1122.2	1136.4
-52.5°	742.1	790.1	835.3	876.5	911.2	943.1	972.0	995.8	1016.2	1033.7	1048.1
-55°	645.8	692.0	735.6	775.0	811.1	844.2	873.6	897.3	918.0	935.8	950.4
-57.5°	550.3	591.6	630.8	668.1	702.8	734.5	762.4	786.9	808.3	826.6	841.6
-60°	460.3	492.8	527.9	561.0	591.6	619.6	645.8	669.0	689.4	706.7	721.0
-62.5°	379.6	406.6	434.4	460.3	484.2	507.8	530.7	551.1	568.9	584.1	596.6
-65°	314.8	335.4	354.8	372.8	389.6	409.3	427.0	442.8	456.6	468.4	478.0
-67.5°	258.8	274.2	288.7	302.1	316.1	329.6	341.8	352.7	362.2	370.2	376.8
-70°	210.9	221.7	231.8	242.1	253.0	263.0	272.0	280.0	286.9	292.8	297.7
-72.5°	171.1	178.2	185.4	193.5	201.0	207.9	214.1	219.5	224.3	228.4	231.7
-75°	138.2	143.8	149.5	154.8	159.6	164.0	168.0	171.6	174.7	177.3	179.4
-77.5°	108.6	113.1	117.2	121.1	124.7	127.9	130.8	133.4	135.7	137.6	139.2
-80°	77.7	81.4	84.9	88.1	91.1	93.8	96.2	98.4	100.2	101.8	103.2
-82.5°	48.4	50.9	53.3	55.5	57.5	59.3	61.0	62.5	63.7	64.8	65.7
-85°	24.0	25.1	26.2	27.2	28.1	29.0	29.7	30.4	31.0	31.5	31.9
-87.5°	7.2	7.4	7.6	7.8	8.0	8.1	8.3	8.4	8.5	8.6	8.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645318 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA1B-750-U-LAM-XX

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	8.7	8.8	8.8	8.8	8.8	8.8	8.7	8.7	8.6	8.5	8.4
85°	32.2	32.4	32.6	32.6	32.6	32.4	32.2	31.9	31.5	31.0	30.4
82.5°	66.4	66.9	67.2	67.3	67.2	66.9	66.4	65.7	64.8	63.7	62.5
80°	104.2	104.9	105.4	105.5	105.4	104.9	104.2	103.2	101.8	100.2	98.4
77.5°	140.4	141.3	141.8	142.0	141.8	141.3	140.4	139.2	137.6	135.7	133.4
75°	181.1	182.3	183.1	183.3	183.1	182.3	181.1	179.4	177.3	174.7	171.6
72.5°	234.3	236.2	237.3	237.7	237.3	236.2	234.3	231.7	228.4	224.3	219.5
70°	301.5	304.2	305.9	306.4	305.9	304.2	301.5	297.7	292.8	286.9	280.0
67.5°	382.0	385.7	388.0	388.7	388.0	385.7	382.0	376.8	370.2	362.2	352.7
65°	485.6	491.0	494.2	495.3	494.2	491.0	485.6	478.0	468.4	456.6	442.8
62.5°	606.4	613.4	617.6	619.0	617.6	613.4	606.4	596.6	584.1	568.9	551.1
60°	732.2	740.2	745.0	746.6	745.0	740.2	732.2	721.0	706.7	689.4	669.0
57.5°	853.4	861.8	866.9	868.6	866.9	861.8	853.4	841.6	826.6	808.3	786.9
55°	961.8	970.0	975.0	976.6	975.0	970.0	961.8	950.4	935.8	918.0	897.3
52.5°	1059.4	1067.5	1072.4	1074.0	1072.4	1067.5	1059.4	1048.1	1033.7	1016.2	995.8
50°	1147.6	1155.6	1160.4	1162.0	1160.4	1155.6	1147.6	1136.4	1122.2	1105.0	1084.9
47.5°	1228.5	1236.5	1241.4	1243.0	1241.4	1236.5	1228.5	1217.3	1203.1	1185.8	1165.7
45°	1299.4	1307.0	1311.6	1313.1	1311.6	1307.0	1299.4	1288.9	1275.5	1259.2	1240.0
42.5°	1360.6	1367.7	1372.0	1373.4	1372.0	1367.7	1360.6	1350.7	1338.1	1323.0	1304.1
40°	1414.0	1420.8	1424.9	1426.3	1424.9	1420.8	1414.0	1404.6	1392.6	1378.2	1359.8
37.5°	1460.0	1466.4	1470.2	1471.5	1470.2	1466.4	1460.0	1451.2	1440.1	1426.7	1408.7
35°	1498.9	1504.7	1508.2	1509.4	1508.2	1504.7	1498.9	1490.8	1480.7	1467.9	1451.1
32.5°	1531.9	1537.3	1540.6	1541.7	1540.6	1537.3	1531.9	1524.4	1514.9	1502.6	1487.4
30°	1558.9	1563.7	1566.6	1567.6	1566.6	1563.7	1558.9	1552.3	1544.0	1532.3	1518.2
27.5°	1580.4	1584.5	1587.1	1587.9	1587.1	1584.5	1580.4	1574.7	1567.6	1556.8	1544.5
25°	1594.5	1597.0	1598.6	1599.1	1598.6	1597.0	1594.5	1591.0	1585.7	1576.5	1565.6
22.5°	1600.6	1601.3	1601.8	1601.9	1601.8	1601.3	1600.6	1599.6	1596.5	1590.9	1582.0
20°	1601.1	1600.6	1600.3	1600.2	1600.3	1600.6	1601.1	1601.7	1600.8	1599.3	1593.1
17.5°	1598.2	1596.6	1595.6	1595.3	1595.6	1596.6	1598.2	1600.3	1601.1	1601.5	1599.6
15°	1593.4	1591.0	1589.5	1589.0	1589.5	1591.0	1593.4	1596.2	1599.1	1600.9	1601.5
12.5°	1587.9	1585.3	1583.6	1583.0	1583.6	1585.3	1587.9	1591.4	1595.5	1599.1	1601.1
10°	1583.0	1580.8	1579.3	1578.8	1579.3	1580.8	1583.0	1586.9	1591.4	1596.2	1600.3
7.5°	1579.8	1577.8	1576.8	1576.4	1576.8	1577.8	1579.8	1583.0	1587.9	1593.4	1598.2
5°	1577.8	1575.9	1574.3	1573.6	1574.3	1575.9	1577.8	1580.8	1585.3	1591.0	1596.6
2.5°	1576.8	1574.3	1571.7	1570.4	1571.7	1574.3	1576.8	1579.3	1583.6	1589.5	1595.6
0°	1576.4	1573.6	1570.4	1570.7	1570.4	1573.6	1576.4	1578.8	1583.0	1589.0	1595.3
-2.5°	1576.8	1574.3	1571.7	1570.4	1571.7	1574.3	1576.8	1579.3	1583.6	1589.5	1595.6
-5°	1577.8	1575.9	1574.3	1573.6	1574.3	1575.9	1577.8	1580.8	1585.3	1591.0	1596.6
-7.5°	1579.8	1577.8	1576.8	1576.4	1576.8	1577.8	1579.8	1583.0	1587.9	1593.4	1598.2
-10°	1583.0	1580.8	1579.3	1578.8	1579.3	1580.8	1583.0	1586.9	1591.4	1596.2	1600.3
-12.5°	1587.9	1585.3	1583.6	1583.0	1583.6	1585.3	1587.9	1591.4	1595.5	1599.1	1601.1
-15°	1593.4	1591.0	1589.5	1589.0	1589.5	1591.0	1593.4	1596.2	1599.1	1600.9	1601.5
-17.5°	1598.2	1596.6	1595.6	1595.3	1595.6	1596.6	1598.2	1600.3	1601.1	1601.5	1599.6
-20°	1601.1	1600.6	1600.3	1600.2	1600.3	1600.6	1601.1	1601.7	1600.8	1599.3	1593.1

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Cooper Lighting Solutions Photometric Lab  
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Peachtree City, GA 30269

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REPORT NUMBER: P645318 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA1B-750-U-LAM-XX

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	1600.6	1601.3	1601.8	1601.9	1601.8	1601.3	1600.6	1599.6	1596.5	1590.9	1582.0
-25°	1594.5	1597.0	1598.6	1599.1	1598.6	1597.0	1594.5	1591.0	1585.7	1576.5	1565.6
-27.5°	1580.4	1584.5	1587.1	1587.9	1587.1	1584.5	1580.4	1574.7	1567.6	1556.8	1544.5
-30°	1558.9	1563.7	1566.6	1567.6	1566.6	1563.7	1558.9	1552.3	1544.0	1532.3	1518.2
-32.5°	1531.9	1537.3	1540.6	1541.7	1540.6	1537.3	1531.9	1524.4	1514.9	1502.6	1487.4
-35°	1498.9	1504.7	1508.2	1509.4	1508.2	1504.7	1498.9	1490.8	1480.7	1467.9	1451.1
-37.5°	1460.0	1466.4	1470.2	1471.5	1470.2	1466.4	1460.0	1451.2	1440.1	1426.7	1408.7
-40°	1414.0	1420.8	1424.9	1426.3	1424.9	1420.8	1414.0	1404.6	1392.6	1378.2	1359.8
-42.5°	1360.6	1367.7	1372.0	1373.4	1372.0	1367.7	1360.6	1350.7	1338.1	1323.0	1304.1
-45°	1299.4	1307.0	1311.6	1313.1	1311.6	1307.0	1299.4	1288.9	1275.5	1259.2	1240.0
-47.5°	1228.5	1236.5	1241.4	1243.0	1241.4	1236.5	1228.5	1217.3	1203.1	1185.8	1165.7
-50°	1147.6	1155.6	1160.4	1162.0	1160.4	1155.6	1147.6	1136.4	1122.2	1105.0	1084.9
-52.5°	1059.4	1067.5	1072.4	1074.0	1072.4	1067.5	1059.4	1048.1	1033.7	1016.2	995.8
-55°	961.8	970.0	975.0	976.6	975.0	970.0	961.8	950.4	935.8	918.0	897.3
-57.5°	853.4	861.8	866.9	868.6	866.9	861.8	853.4	841.6	826.6	808.3	786.9
-60°	732.2	740.2	745.0	746.6	745.0	740.2	732.2	721.0	706.7	689.4	669.0
-62.5°	606.4	613.4	617.6	619.0	617.6	613.4	606.4	596.6	584.1	568.9	551.1
-65°	485.6	491.0	494.2	495.3	494.2	491.0	485.6	478.0	468.4	456.6	442.8
-67.5°	382.0	385.7	388.0	388.7	388.0	385.7	382.0	376.8	370.2	362.2	352.7
-70°	301.5	304.2	305.9	306.4	305.9	304.2	301.5	297.7	292.8	286.9	280.0
-72.5°	234.3	236.2	237.3	237.7	237.3	236.2	234.3	231.7	228.4	224.3	219.5
-75°	181.1	182.3	183.1	183.3	183.1	182.3	181.1	179.4	177.3	174.7	171.6
-77.5°	140.4	141.3	141.8	142.0	141.8	141.3	140.4	139.2	137.6	135.7	133.4
-80°	104.2	104.9	105.4	105.5	105.4	104.9	104.2	103.2	101.8	100.2	98.4
-82.5°	66.4	66.9	67.2	67.3	67.2	66.9	66.4	65.7	64.8	63.7	62.5
-85°	32.2	32.4	32.6	32.6	32.6	32.4	32.2	31.9	31.5	31.0	30.4
-87.5°	8.7	8.8	8.8	8.8	8.8	8.8	8.7	8.7	8.6	8.5	8.4
-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: P645318 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA1B-750-U-LAM-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	8.3	8.1	8.0	7.8	7.6	7.4	7.2	7.0	6.7	6.5	6.2
85°	29.7	29.0	28.1	27.2	26.2	25.1	24.0	22.7	21.4	20.1	18.6
82.5°	61.0	59.3	57.5	55.5	53.3	50.9	48.4	45.7	42.9	39.9	36.7
80°	96.2	93.8	91.1	88.1	84.9	81.4	77.7	73.7	69.5	65.3	61.1
77.5°	130.8	127.9	124.7	121.1	117.2	113.1	108.6	103.8	98.5	93.0	87.2
75°	168.0	164.0	159.6	154.8	149.5	143.8	138.2	132.5	126.5	120.1	113.5
72.5°	214.1	207.9	201.0	193.5	185.4	178.2	171.1	163.5	155.5	147.1	138.7
70°	272.0	263.0	253.0	242.1	231.8	221.7	210.9	199.5	187.4	176.8	166.7
67.5°	341.8	329.6	316.1	302.1	288.7	274.2	258.8	242.5	227.8	213.5	198.5
65°	427.0	409.3	389.6	372.8	354.8	335.4	314.8	295.1	275.9	255.7	235.3
62.5°	530.7	507.8	484.2	460.3	434.4	406.6	379.6	355.4	329.9	303.7	280.5
60°	645.8	619.6	591.6	561.0	527.9	492.8	460.3	425.8	389.6	360.1	329.6
57.5°	762.4	734.5	702.8	668.1	630.8	591.6	550.3	506.7	465.7	424.4	383.1
55°	873.6	844.2	811.1	775.0	735.6	692.0	645.8	597.6	548.0	496.1	449.6
52.5°	972.0	943.1	911.2	876.5	835.3	790.1	742.1	689.4	634.2	577.9	519.9
50°	1060.7	1032.4	1001.2	966.3	925.9	882.8	833.1	778.9	721.0	659.2	595.9
47.5°	1141.2	1113.5	1083.0	1047.4	1008.1	965.2	916.2	864.2	803.5	740.2	671.9
45°	1215.2	1187.6	1156.9	1121.3	1083.2	1039.3	992.0	938.8	881.5	816.0	746.6
42.5°	1280.9	1255.2	1224.5	1189.3	1150.7	1107.4	1060.5	1007.7	950.1	887.1	816.0
40°	1338.2	1314.3	1284.2	1251.5	1212.6	1170.0	1122.1	1071.1	1012.9	950.1	881.5
37.5°	1388.3	1364.6	1336.6	1305.4	1268.2	1226.7	1179.2	1127.0	1071.1	1007.7	938.8
35°	1432.3	1409.0	1382.6	1351.7	1317.6	1276.6	1231.5	1179.2	1122.1	1060.5	992.0
32.5°	1470.1	1447.8	1423.2	1393.0	1359.4	1321.3	1276.6	1226.7	1170.0	1107.4	1039.3
30°	1501.3	1481.2	1457.2	1429.7	1396.5	1359.4	1317.6	1268.2	1212.6	1150.7	1083.2
27.5°	1528.3	1509.8	1486.7	1460.4	1429.7	1393.0	1351.7	1305.4	1251.5	1189.3	1121.3
25°	1550.9	1533.4	1512.3	1486.7	1457.2	1423.2	1382.6	1336.6	1284.2	1224.5	1156.9
22.5°	1569.6	1553.1	1533.4	1509.8	1481.2	1447.8	1409.0	1364.6	1314.3	1255.2	1187.6
20°	1583.9	1569.6	1550.9	1528.3	1501.3	1470.1	1432.3	1388.3	1338.2	1280.9	1215.2
17.5°	1593.1	1582.0	1565.6	1544.5	1518.2	1487.4	1451.1	1408.7	1359.8	1304.1	1240.0
15°	1599.3	1590.9	1576.5	1556.8	1532.3	1502.6	1467.9	1426.7	1378.2	1323.0	1259.2
12.5°	1600.8	1596.5	1585.7	1567.6	1544.0	1514.9	1480.7	1440.1	1392.6	1338.1	1275.5
10°	1601.7	1599.6	1591.0	1574.7	1552.3	1524.4	1490.8	1451.2	1404.6	1350.7	1288.9
7.5°	1601.1	1600.6	1594.5	1580.4	1558.9	1531.9	1498.9	1460.0	1414.0	1360.6	1299.4
5°	1600.6	1601.3	1597.0	1584.5	1563.7	1537.3	1504.7	1466.4	1420.8	1367.7	1307.0
2.5°	1600.3	1601.8	1598.6	1587.1	1566.6	1540.6	1508.2	1470.2	1424.9	1372.0	1311.6
0°	1600.2	1601.9	1599.1	1587.9	1567.6	1541.7	1509.4	1471.5	1426.3	1373.4	1313.1
-2.5°	1600.3	1601.8	1598.6	1587.1	1566.6	1540.6	1508.2	1470.2	1424.9	1372.0	1311.6
-5°	1600.6	1601.3	1597.0	1584.5	1563.7	1537.3	1504.7	1466.4	1420.8	1367.7	1307.0
-7.5°	1601.1	1600.6	1594.5	1580.4	1558.9	1531.9	1498.9	1460.0	1414.0	1360.6	1299.4
-10°	1601.7	1599.6	1591.0	1574.7	1552.3	1524.4	1490.8	1451.2	1404.6	1350.7	1288.9
-12.5°	1600.8	1596.5	1585.7	1567.6	1544.0	1514.9	1480.7	1440.1	1392.6	1338.1	1275.5
-15°	1599.3	1590.9	1576.5	1556.8	1532.3	1502.6	1467.9	1426.7	1378.2	1323.0	1259.2
-17.5°	1593.1	1582.0	1565.6	1544.5	1518.2	1487.4	1451.1	1408.7	1359.8	1304.1	1240.0
-20°	1583.9	1569.6	1550.9	1528.3	1501.3	1470.1	1432.3	1388.3	1338.2	1280.9	1215.2

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REPORT NUMBER: P645318 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA1B-750-U-LAM-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	1569.6	1553.1	1533.4	1509.8	1481.2	1447.8	1409.0	1364.6	1314.3	1255.2	1187.6
-25°	1550.9	1533.4	1512.3	1486.7	1457.2	1423.2	1382.6	1336.6	1284.2	1224.5	1156.9
-27.5°	1528.3	1509.8	1486.7	1460.4	1429.7	1393.0	1351.7	1305.4	1251.5	1189.3	1121.3
-30°	1501.3	1481.2	1457.2	1429.7	1396.5	1359.4	1317.6	1268.2	1212.6	1150.7	1083.2
-32.5°	1470.1	1447.8	1423.2	1393.0	1359.4	1321.3	1276.6	1226.7	1170.0	1107.4	1039.3
-35°	1432.3	1409.0	1382.6	1351.7	1317.6	1276.6	1231.5	1179.2	1122.1	1060.5	992.0
-37.5°	1388.3	1364.6	1336.6	1305.4	1268.2	1226.7	1179.2	1127.0	1071.1	1007.7	938.8
-40°	1338.2	1314.3	1284.2	1251.5	1212.6	1170.0	1122.1	1071.1	1012.9	950.1	881.5
-42.5°	1280.9	1255.2	1224.5	1189.3	1150.7	1107.4	1060.5	1007.7	950.1	887.1	816.0
-45°	1215.2	1187.6	1156.9	1121.3	1083.2	1039.3	992.0	938.8	881.5	816.0	746.6
-47.5°	1141.2	1113.5	1083.0	1047.4	1008.1	965.2	916.2	864.2	803.5	740.2	671.9
-50°	1060.7	1032.4	1001.2	966.3	925.9	882.8	833.1	778.9	721.0	659.2	595.9
-52.5°	972.0	943.1	911.2	876.5	835.3	790.1	742.1	689.4	634.2	577.9	519.9
-55°	873.6	844.2	811.1	775.0	735.6	692.0	645.8	597.6	548.0	496.1	449.6
-57.5°	762.4	734.5	702.8	668.1	630.8	591.6	550.3	506.7	465.7	424.4	383.1
-60°	645.8	619.6	591.6	561.0	527.9	492.8	460.3	425.8	389.6	360.1	329.6
-62.5°	530.7	507.8	484.2	460.3	434.4	406.6	379.6	355.4	329.9	303.7	280.5
-65°	427.0	409.3	389.6	372.8	354.8	335.4	314.8	295.1	275.9	255.7	235.3
-67.5°	341.8	329.6	316.1	302.1	288.7	274.2	258.8	242.5	227.8	213.5	198.5
-70°	272.0	263.0	253.0	242.1	231.8	221.7	210.9	199.5	187.4	176.8	166.7
-72.5°	214.1	207.9	201.0	193.5	185.4	178.2	171.1	163.5	155.5	147.1	138.7
-75°	168.0	164.0	159.6	154.8	149.5	143.8	138.2	132.5	126.5	120.1	113.5
-77.5°	130.8	127.9	124.7	121.1	117.2	113.1	108.6	103.8	98.5	93.0	87.2
-80°	96.2	93.8	91.1	88.1	84.9	81.4	77.7	73.7	69.5	65.3	61.1
-82.5°	61.0	59.3	57.5	55.5	53.3	50.9	48.4	45.7	42.9	39.9	36.7
-85°	29.7	29.0	28.1	27.2	26.2	25.1	24.0	22.7	21.4	20.1	18.6
-87.5°	8.3	8.1	8.0	7.8	7.6	7.4	7.2	7.0	6.7	6.5	6.2
-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: P645318 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA1B-750-U-LAM-XX

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.9	5.7	5.4	5.0	4.7	4.4	4.1	3.7	3.4	3.0	2.6
85°	17.1	15.6	14.0	12.3	10.6	8.8	8.1	7.4	6.7	6.0	5.3
82.5°	33.4	30.8	28.4	25.9	23.3	20.6	17.9	15.1	12.3	9.4	7.9
80°	56.7	52.2	47.4	42.5	37.5	32.4	28.8	25.1	21.3	17.4	13.5
77.5°	81.2	74.9	68.4	62.2	55.9	49.4	42.8	36.0	30.2	25.4	20.5
75°	106.5	99.0	91.2	83.1	74.8	66.4	58.5	50.4	42.1	33.7	27.5
72.5°	130.6	122.2	113.5	104.5	94.8	84.8	74.7	64.5	54.9	45.1	35.2
70°	156.2	145.3	135.0	124.7	114.1	103.2	91.5	79.7	67.6	56.4	45.1
67.5°	183.0	170.7	158.1	145.0	132.7	120.6	108.1	94.9	81.4	67.6	54.9
65°	217.9	199.9	181.8	167.3	152.3	137.6	123.8	109.7	94.9	79.7	64.5
62.5°	256.3	232.6	212.1	191.1	172.8	156.0	139.2	123.8	108.1	91.5	74.7
60°	299.3	272.0	243.8	219.5	196.0	174.7	156.0	137.6	120.6	103.2	84.8
57.5°	348.7	313.1	281.5	250.1	222.0	196.0	172.8	152.3	132.7	114.1	94.8
55°	401.5	360.2	320.8	284.6	250.1	219.5	191.1	167.3	145.0	124.7	104.5
52.5°	464.8	411.5	364.1	320.8	281.5	243.8	212.1	181.8	158.1	135.0	113.5
50°	531.8	469.9	411.5	360.2	313.1	272.0	232.6	199.9	170.7	145.3	122.2
47.5°	602.0	531.8	464.8	401.5	348.7	299.3	256.3	217.9	183.0	156.2	130.6
45°	671.9	595.9	519.9	449.6	383.1	329.6	280.5	235.3	198.5	166.7	138.7
42.5°	740.2	659.2	577.9	496.1	424.4	360.1	303.7	255.7	213.5	176.8	147.1
40°	803.5	721.0	634.2	548.0	465.7	389.6	329.9	275.9	227.8	187.4	155.5
37.5°	864.2	778.9	689.4	597.6	506.7	425.8	355.4	295.1	242.5	199.5	163.5
35°	916.2	833.1	742.1	645.8	550.3	460.3	379.6	314.8	258.8	210.9	171.1
32.5°	965.2	882.8	790.1	692.0	591.6	492.8	406.6	335.4	274.2	221.7	178.2
30°	1008.1	925.9	835.3	735.6	630.8	527.9	434.4	354.8	288.7	231.8	185.4
27.5°	1047.4	966.3	876.5	775.0	668.1	561.0	460.3	372.8	302.1	242.1	193.5
25°	1083.0	1001.2	911.2	811.1	702.8	591.6	484.2	389.6	316.1	253.0	201.0
22.5°	1113.5	1032.4	943.1	844.2	734.5	619.6	507.8	409.3	329.6	263.0	207.9
20°	1141.2	1060.7	972.0	873.6	762.4	645.8	530.7	427.0	341.8	272.0	214.1
17.5°	1165.7	1084.9	995.8	897.3	786.9	669.0	551.1	442.8	352.7	280.0	219.5
15°	1185.8	1105.0	1016.2	918.0	808.3	689.4	568.9	456.6	362.2	286.9	224.3
12.5°	1203.1	1122.2	1033.7	935.8	826.6	706.7	584.1	468.4	370.2	292.8	228.4
10°	1217.3	1136.4	1048.1	950.4	841.6	721.0	596.6	478.0	376.8	297.7	231.7
7.5°	1228.5	1147.6	1059.4	961.8	853.4	732.2	606.4	485.6	382.0	301.5	234.3
5°	1236.5	1155.6	1067.5	970.0	861.8	740.2	613.4	491.0	385.7	304.2	236.2
2.5°	1241.4	1160.4	1072.4	975.0	866.9	745.0	617.6	494.2	388.0	305.9	237.3
0°	1243.0	1162.0	1074.0	976.6	868.6	746.6	619.0	495.3	388.7	306.4	237.7
-2.5°	1241.4	1160.4	1072.4	975.0	866.9	745.0	617.6	494.2	388.0	305.9	237.3
-5°	1236.5	1155.6	1067.5	970.0	861.8	740.2	613.4	491.0	385.7	304.2	236.2
-7.5°	1228.5	1147.6	1059.4	961.8	853.4	732.2	606.4	485.6	382.0	301.5	234.3
-10°	1217.3	1136.4	1048.1	950.4	841.6	721.0	596.6	478.0	376.8	297.7	231.7
-12.5°	1203.1	1122.2	1033.7	935.8	826.6	706.7	584.1	468.4	370.2	292.8	228.4
-15°	1185.8	1105.0	1016.2	918.0	808.3	689.4	568.9	456.6	362.2	286.9	224.3
-17.5°	1165.7	1084.9	995.8	897.3	786.9	669.0	551.1	442.8	352.7	280.0	219.5
-20°	1141.2	1060.7	972.0	873.6	762.4	645.8	530.7	427.0	341.8	272.0	214.1



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**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1113.5	1032.4	943.1	844.2	734.5	619.6	507.8	409.3	329.6	263.0	207.9
-25°	1083.0	1001.2	911.2	811.1	702.8	591.6	484.2	389.6	316.1	253.0	201.0
-27.5°	1047.4	966.3	876.5	775.0	668.1	561.0	460.3	372.8	302.1	242.1	193.5
-30°	1008.1	925.9	835.3	735.6	630.8	527.9	434.4	354.8	288.7	231.8	185.4
-32.5°	965.2	882.8	790.1	692.0	591.6	492.8	406.6	335.4	274.2	221.7	178.2
-35°	916.2	833.1	742.1	645.8	550.3	460.3	379.6	314.8	258.8	210.9	171.1
-37.5°	864.2	778.9	689.4	597.6	506.7	425.8	355.4	295.1	242.5	199.5	163.5
-40°	803.5	721.0	634.2	548.0	465.7	389.6	329.9	275.9	227.8	187.4	155.5
-42.5°	740.2	659.2	577.9	496.1	424.4	360.1	303.7	255.7	213.5	176.8	147.1
-45°	671.9	595.9	519.9	449.6	383.1	329.6	280.5	235.3	198.5	166.7	138.7
-47.5°	602.0	531.8	464.8	401.5	348.7	299.3	256.3	217.9	183.0	156.2	130.6
-50°	531.8	469.9	411.5	360.2	313.1	272.0	232.6	199.9	170.7	145.3	122.2
-52.5°	464.8	411.5	364.1	320.8	281.5	243.8	212.1	181.8	158.1	135.0	113.5
-55°	401.5	360.2	320.8	284.6	250.1	219.5	191.1	167.3	145.0	124.7	104.5
-57.5°	348.7	313.1	281.5	250.1	222.0	196.0	172.8	152.3	132.7	114.1	94.8
-60°	299.3	272.0	243.8	219.5	196.0	174.7	156.0	137.6	120.6	103.2	84.8
-62.5°	256.3	232.6	212.1	191.1	172.8	156.0	139.2	123.8	108.1	91.5	74.7
-65°	217.9	199.9	181.8	167.3	152.3	137.6	123.8	109.7	94.9	79.7	64.5
-67.5°	183.0	170.7	158.1	145.0	132.7	120.6	108.1	94.9	81.4	67.6	54.9
-70°	156.2	145.3	135.0	124.7	114.1	103.2	91.5	79.7	67.6	56.4	45.1
-72.5°	130.6	122.2	113.5	104.5	94.8	84.8	74.7	64.5	54.9	45.1	35.2
-75°	106.5	99.0	91.2	83.1	74.8	66.4	58.5	50.4	42.1	33.7	27.5
-77.5°	81.2	74.9	68.4	62.2	55.9	49.4	42.8	36.0	30.2	25.4	20.5
-80°	56.7	52.2	47.4	42.5	37.5	32.4	28.8	25.1	21.3	17.4	13.5
-82.5°	33.4	30.8	28.4	25.9	23.3	20.6	17.9	15.1	12.3	9.4	7.9
-85°	17.1	15.6	14.0	12.3	10.6	8.8	8.1	7.4	6.7	6.0	5.3
-87.5°	5.9	5.7	5.4	5.0	4.7	4.4	4.1	3.7	3.4	3.0	2.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.3	1.9	1.5	1.1	0.8	0.4	0.0
85°	4.5	3.8	3.1	2.3	1.5	0.8	0.0
82.5°	6.8	5.7	4.6	3.4	2.3	1.1	0.0
80°	9.5	7.6	6.1	4.6	3.1	1.5	0.0
77.5°	15.6	10.6	7.6	5.7	3.8	1.9	0.0
75°	21.6	15.6	9.5	6.8	4.5	2.3	0.0
72.5°	27.5	20.5	13.5	7.9	5.3	2.6	0.0
70°	33.7	25.4	17.4	9.4	6.0	3.0	0.0
67.5°	42.1	30.2	21.3	12.3	6.7	3.4	0.0
65°	50.4	36.0	25.1	15.1	7.4	3.7	0.0
62.5°	58.5	42.8	28.8	17.9	8.1	4.1	0.0
60°	66.4	49.4	32.4	20.6	8.8	4.4	0.0
57.5°	74.8	55.9	37.5	23.3	10.6	4.7	0.0
55°	83.1	62.2	42.5	25.9	12.3	5.0	0.0
52.5°	91.2	68.4	47.4	28.4	14.0	5.4	0.0
50°	99.0	74.9	52.2	30.8	15.6	5.7	0.0
47.5°	106.5	81.2	56.7	33.4	17.1	5.9	0.0
45°	113.5	87.2	61.1	36.7	18.6	6.2	0.0
42.5°	120.1	93.0	65.3	39.9	20.1	6.5	0.0
40°	126.5	98.5	69.5	42.9	21.4	6.7	0.0
37.5°	132.5	103.8	73.7	45.7	22.7	7.0	0.0
35°	138.2	108.6	77.7	48.4	24.0	7.2	0.0
32.5°	143.8	113.1	81.4	50.9	25.1	7.4	0.0
30°	149.5	117.2	84.9	53.3	26.2	7.6	0.0
27.5°	154.8	121.1	88.1	55.5	27.2	7.8	0.0
25°	159.6	124.7	91.1	57.5	28.1	8.0	0.0
22.5°	164.0	127.9	93.8	59.3	29.0	8.1	0.0
20°	168.0	130.8	96.2	61.0	29.7	8.3	0.0
17.5°	171.6	133.4	98.4	62.5	30.4	8.4	0.0
15°	174.7	135.7	100.2	63.7	31.0	8.5	0.0
12.5°	177.3	137.6	101.8	64.8	31.5	8.6	0.0
10°	179.4	139.2	103.2	65.7	31.9	8.7	0.0
7.5°	181.1	140.4	104.2	66.4	32.2	8.7	0.0
5°	182.3	141.3	104.9	66.9	32.4	8.8	0.0
2.5°	183.1	141.8	105.4	67.2	32.6	8.8	0.0
0°	183.3	142.0	105.5	67.3	32.6	8.8	0.0
-2.5°	183.1	141.8	105.4	67.2	32.6	8.8	0.0
-5°	182.3	141.3	104.9	66.9	32.4	8.8	0.0
-7.5°	181.1	140.4	104.2	66.4	32.2	8.7	0.0
-10°	179.4	139.2	103.2	65.7	31.9	8.7	0.0
-12.5°	177.3	137.6	101.8	64.8	31.5	8.6	0.0
-15°	174.7	135.7	100.2	63.7	31.0	8.5	0.0
-17.5°	171.6	133.4	98.4	62.5	30.4	8.4	0.0
-20°	168.0	130.8	96.2	61.0	29.7	8.3	0.0

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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	164.0	127.9	93.8	59.3	29.0	8.1	0.0
-25°	159.6	124.7	91.1	57.5	28.1	8.0	0.0
-27.5°	154.8	121.1	88.1	55.5	27.2	7.8	0.0
-30°	149.5	117.2	84.9	53.3	26.2	7.6	0.0
-32.5°	143.8	113.1	81.4	50.9	25.1	7.4	0.0
-35°	138.2	108.6	77.7	48.4	24.0	7.2	0.0
-37.5°	132.5	103.8	73.7	45.7	22.7	7.0	0.0
-40°	126.5	98.5	69.5	42.9	21.4	6.7	0.0
-42.5°	120.1	93.0	65.3	39.9	20.1	6.5	0.0
-45°	113.5	87.2	61.1	36.7	18.6	6.2	0.0
-47.5°	106.5	81.2	56.7	33.4	17.1	5.9	0.0
-50°	99.0	74.9	52.2	30.8	15.6	5.7	0.0
-52.5°	91.2	68.4	47.4	28.4	14.0	5.4	0.0
-55°	83.1	62.2	42.5	25.9	12.3	5.0	0.0
-57.5°	74.8	55.9	37.5	23.3	10.6	4.7	0.0
-60°	66.4	49.4	32.4	20.6	8.8	4.4	0.0
-62.5°	58.5	42.8	28.8	17.9	8.1	4.1	0.0
-65°	50.4	36.0	25.1	15.1	7.4	3.7	0.0
-67.5°	42.1	30.2	21.3	12.3	6.7	3.4	0.0
-70°	33.7	25.4	17.4	9.4	6.0	3.0	0.0
-72.5°	27.5	20.5	13.5	7.9	5.3	2.6	0.0
-75°	21.6	15.6	9.5	6.8	4.5	2.3	0.0
-77.5°	15.6	10.6	7.6	5.7	3.8	1.9	0.0
-80°	9.5	7.6	6.1	4.6	3.1	1.5	0.0
-82.5°	6.8	5.7	4.6	3.4	2.3	1.1	0.0
-85°	4.5	3.8	3.1	2.3	1.5	0.8	0.0
-87.5°	2.3	1.9	1.5	1.1	0.8	0.4	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)