

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: P645310 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA1B-727-U-LAM-XX

Issue Date: 2/28/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P645310 (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-727-U-LAM-XX  
Description: GALLEON FLOOD, ONE LIGHT SQAURE, LAMBERTIAN  
Light Source: (16) 2700K CCT, 70 CRI LEDS  
Ballast/Driver: -

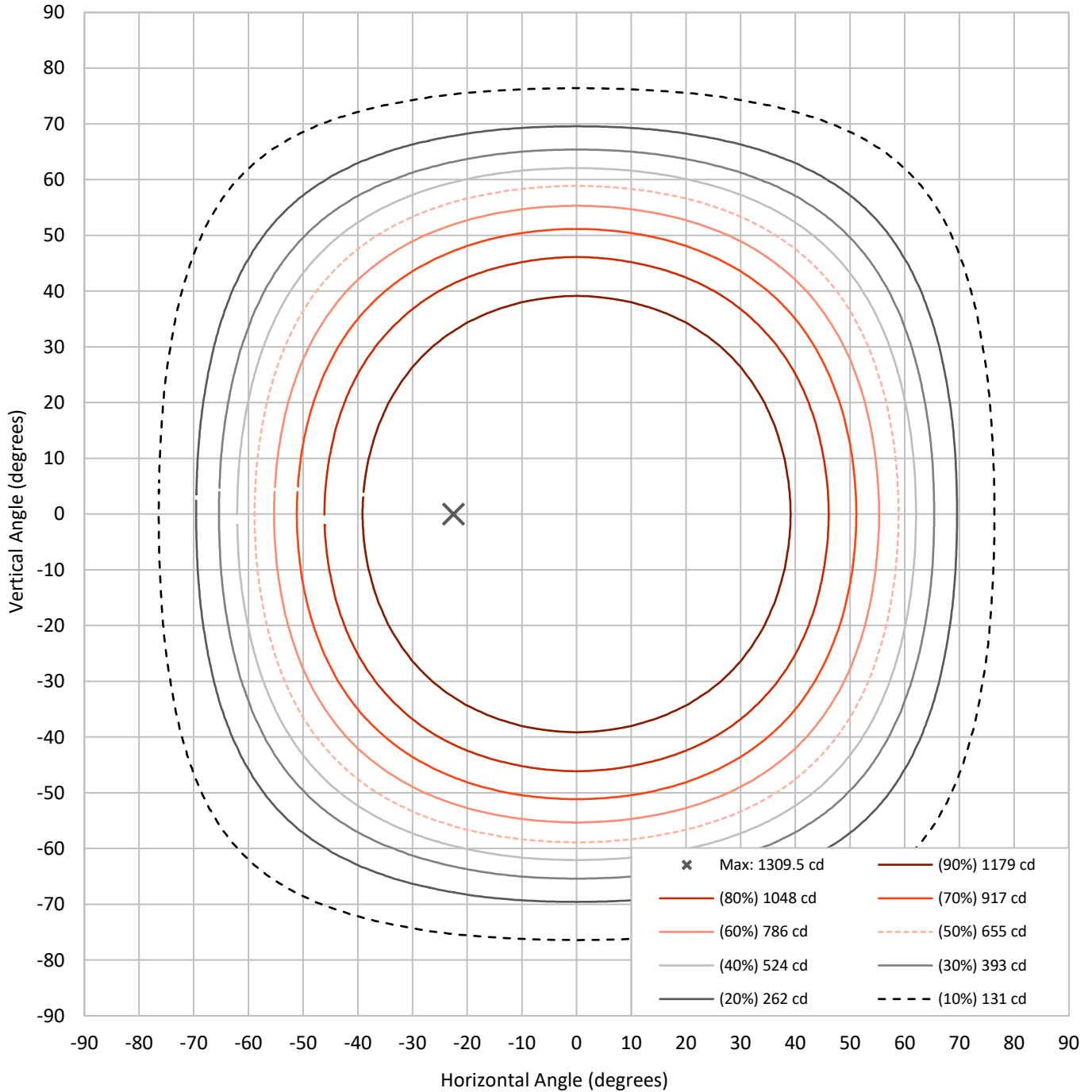
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	4005.9 lumens	Max Intensity:	1309.5 candela
Efficiency:	N/A	Max Intensity Angle:	-22.5°H x 0°V
Efficacy:	119.6 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:	3333.8 lumens	Field Lumens:	3927.1 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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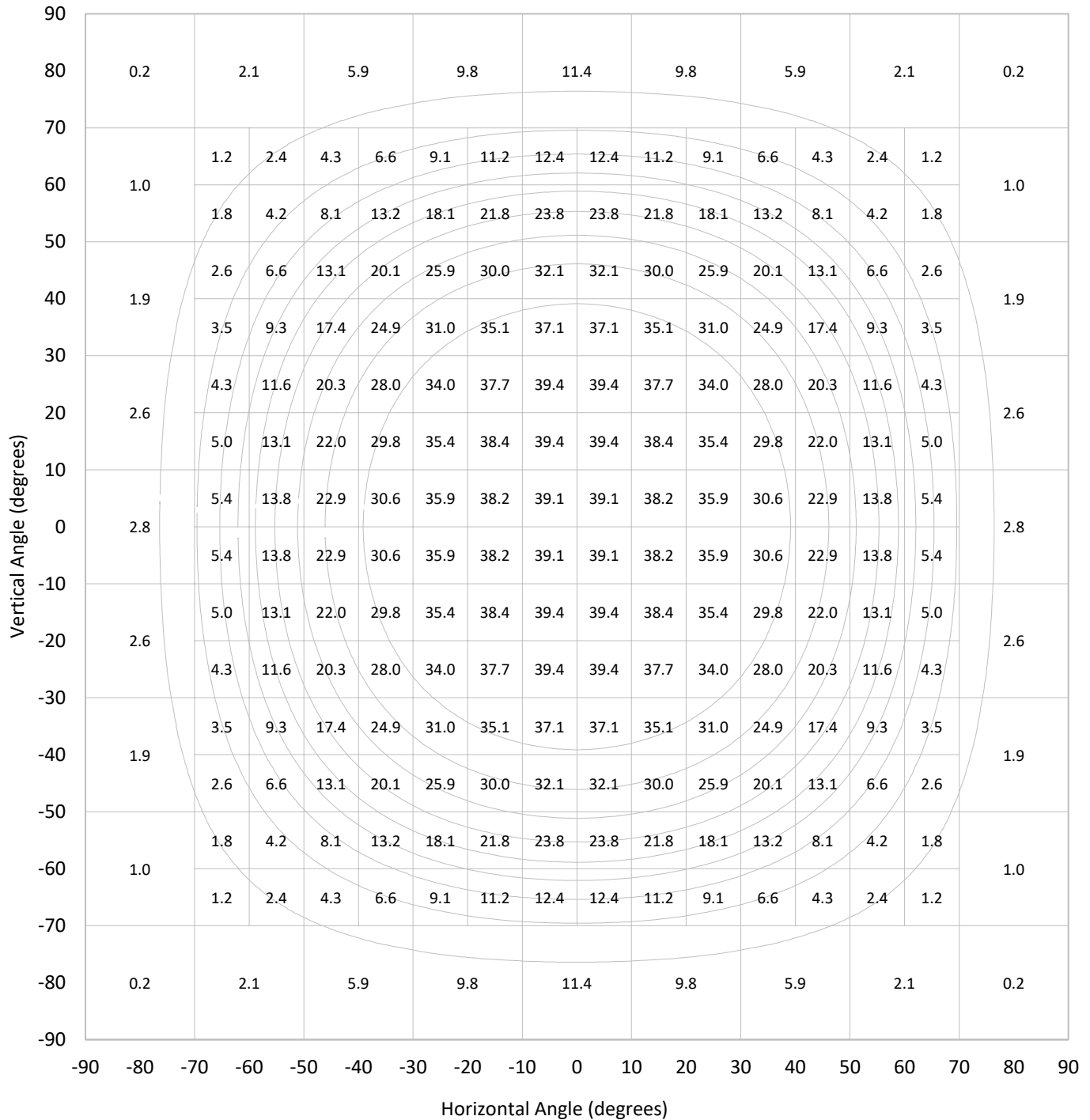
### Iso-Candela Plot





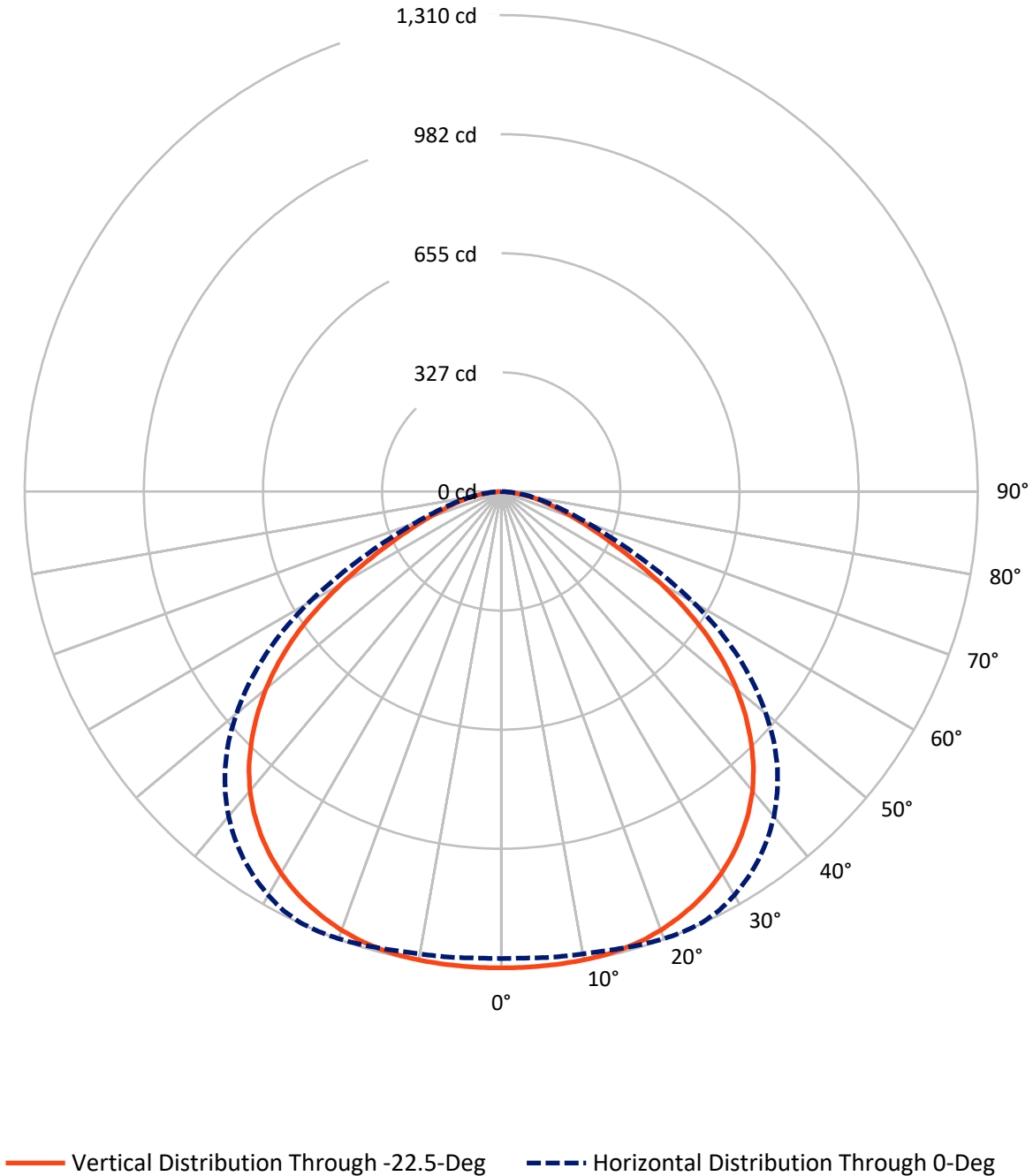
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### Lumen Table



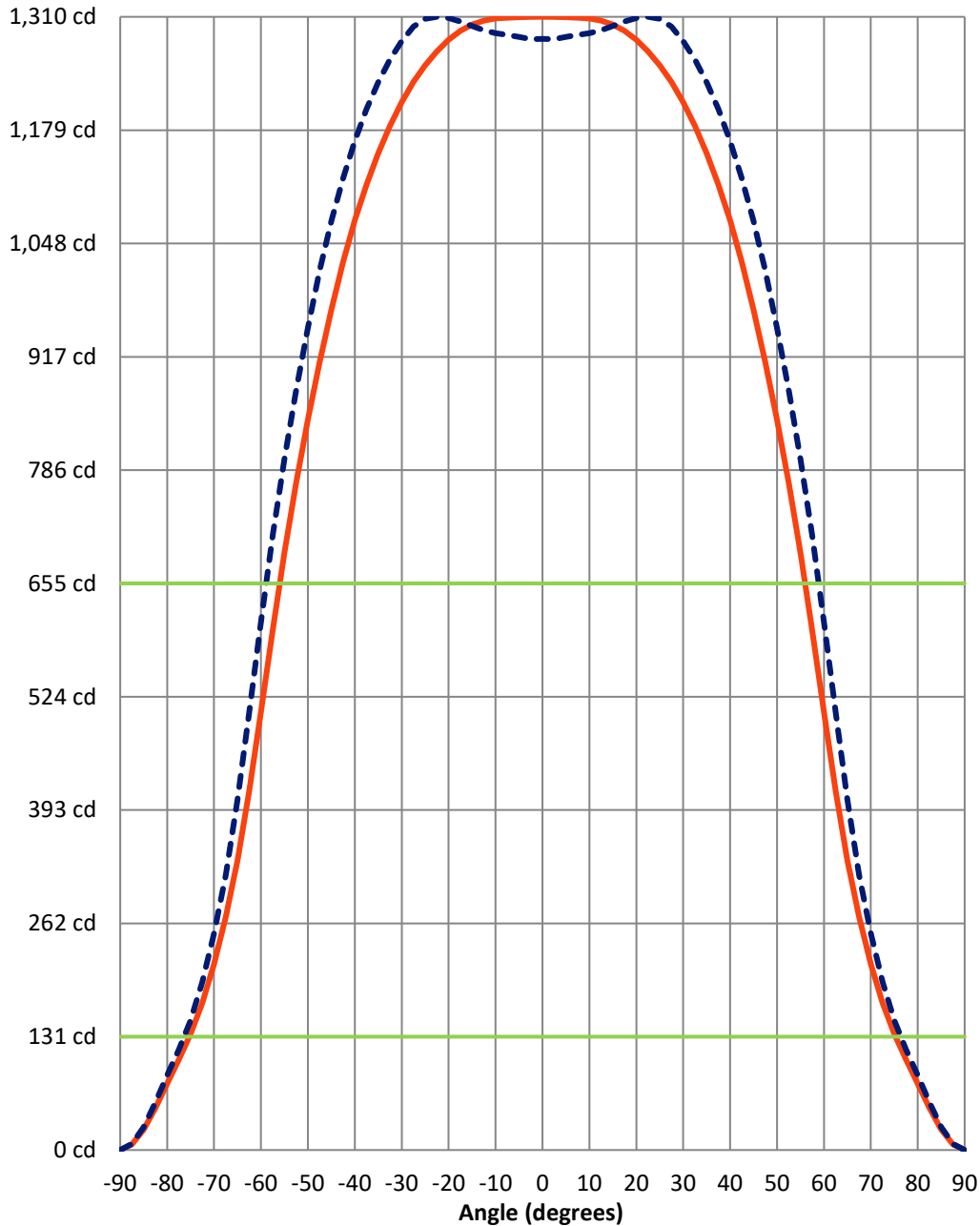
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 117.8°  
 V Angle: 112°  
 Lumens: 3333.8  
 Efficiency: 83.2%

**Field:**  
 H Angle: 152.8°  
 V Angle: 150.5°  
 Lumens: 3927.1  
 Efficiency: 98.0%

**Spill:**  
 Lumens: 78.8  
 Efficiency: 2.0%

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

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FIELD  
BEAM

**CANDELA DISTRIBUTION:**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.3	0.6	0.9	1.2	1.6	1.9	2.2	2.5	2.8	3.0
85°	0.0	0.6	1.3	1.9	2.5	3.1	3.7	4.3	4.9	5.5	6.1
82.5°	0.0	0.9	1.9	2.8	3.7	4.7	5.6	6.5	7.7	10.0	12.3
80°	0.0	1.2	2.5	3.7	5.0	6.2	7.8	11.0	14.2	17.4	20.5
77.5°	0.0	1.6	3.1	4.7	6.2	8.6	12.7	16.8	20.7	24.7	29.4
75°	0.0	1.9	3.7	5.6	7.8	12.7	17.6	22.4	27.5	34.4	41.1
72.5°	0.0	2.2	4.3	6.5	11.0	16.8	22.4	28.7	36.9	44.9	52.7
70°	0.0	2.5	4.9	7.7	14.2	20.7	27.5	36.9	46.1	55.3	65.2
67.5°	0.0	2.8	5.5	10.0	17.4	24.7	34.4	44.9	55.3	66.5	77.6
65°	0.0	3.0	6.1	12.3	20.5	29.4	41.1	52.7	65.2	77.6	89.7
62.5°	0.0	3.3	6.6	14.6	23.5	35.0	47.8	61.0	74.9	88.4	101.2
60°	0.0	3.6	7.2	16.8	26.5	40.4	54.3	69.4	84.4	98.6	112.5
57.5°	0.0	3.9	8.6	19.0	30.6	45.7	61.2	77.5	93.3	108.5	124.5
55°	0.0	4.1	10.0	21.1	34.7	50.8	68.0	85.4	102.0	118.5	136.8
52.5°	0.0	4.4	11.4	23.2	38.7	55.9	74.6	92.8	110.3	129.2	148.7
50°	0.0	4.6	12.7	25.1	42.6	61.2	81.0	99.9	118.8	139.6	163.4
47.5°	0.0	4.9	14.0	27.3	46.3	66.4	87.1	106.8	127.7	149.7	178.1
45°	0.0	5.1	15.2	30.0	49.9	71.3	92.8	113.4	136.3	162.3	192.3
42.5°	0.0	5.3	16.4	32.5	53.4	76.1	98.2	120.3	144.6	174.6	209.0
40°	0.0	5.5	17.5	35.0	56.8	80.6	103.4	127.2	153.3	186.3	225.5
37.5°	0.0	5.7	18.6	37.3	60.2	84.9	108.3	133.7	163.1	198.2	241.2
35°	0.0	5.9	19.6	39.5	63.5	88.8	113.0	139.9	172.5	211.6	257.3
32.5°	0.0	6.1	20.5	41.6	66.5	92.5	117.6	145.7	181.3	224.1	274.2
30°	0.0	6.2	21.4	43.5	69.4	95.9	122.2	151.6	189.5	235.9	290.0
27.5°	0.0	6.4	22.2	45.3	72.0	99.0	126.5	158.2	197.9	246.9	304.8
25°	0.0	6.5	23.0	47.0	74.5	101.9	130.5	164.4	206.8	258.3	318.5
22.5°	0.0	6.7	23.6	48.5	76.7	104.6	134.1	170.0	215.0	269.4	334.6
20°	0.0	6.8	24.3	49.8	78.7	107.0	137.4	175.0	222.3	279.4	349.1
17.5°	0.0	6.9	24.8	51.0	80.4	109.1	140.3	179.5	228.8	288.3	362.0
15°	0.0	7.0	25.3	52.1	82.0	110.9	142.8	183.4	234.5	296.1	373.3
12.5°	0.0	7.0	25.7	53.0	83.3	112.5	145.0	186.7	239.3	302.7	382.9
10°	0.0	7.1	26.0	53.7	84.4	113.8	146.7	189.4	243.3	308.1	390.8
7.5°	0.0	7.1	26.3	54.3	85.2	114.8	148.1	191.6	246.4	312.3	396.9
5°	0.0	7.2	26.5	54.7	85.8	115.5	149.1	193.1	248.6	315.4	401.4
2.5°	0.0	7.2	26.6	54.9	86.2	116.0	149.7	194.0	250.0	317.2	404.0
0°	0.0	7.2	26.6	55.0	86.3	116.1	149.9	194.3	250.4	317.8	404.9
-2.5°	0.0	7.2	26.6	54.9	86.2	116.0	149.7	194.0	250.0	317.2	404.0
-5°	0.0	7.2	26.5	54.7	85.8	115.5	149.1	193.1	248.6	315.4	401.4
-7.5°	0.0	7.1	26.3	54.3	85.2	114.8	148.1	191.6	246.4	312.3	396.9
-10°	0.0	7.1	26.0	53.7	84.4	113.8	146.7	189.4	243.3	308.1	390.8
-12.5°	0.0	7.0	25.7	53.0	83.3	112.5	145.0	186.7	239.3	302.7	382.9
-15°	0.0	7.0	25.3	52.1	82.0	110.9	142.8	183.4	234.5	296.1	373.3
-17.5°	0.0	6.9	24.8	51.0	80.4	109.1	140.3	179.5	228.8	288.3	362.0
-20°	0.0	6.8	24.3	49.8	78.7	107.0	137.4	175.0	222.3	279.4	349.1

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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	6.7	23.6	48.5	76.7	104.6	134.1	170.0	215.0	269.4	334.6
-25°	0.0	6.5	23.0	47.0	74.5	101.9	130.5	164.4	206.8	258.3	318.5
-27.5°	0.0	6.4	22.2	45.3	72.0	99.0	126.5	158.2	197.9	246.9	304.8
-30°	0.0	6.2	21.4	43.5	69.4	95.9	122.2	151.6	189.5	235.9	290.0
-32.5°	0.0	6.1	20.5	41.6	66.5	92.5	117.6	145.7	181.3	224.1	274.2
-35°	0.0	5.9	19.6	39.5	63.5	88.8	113.0	139.9	172.5	211.6	257.3
-37.5°	0.0	5.7	18.6	37.3	60.2	84.9	108.3	133.7	163.1	198.2	241.2
-40°	0.0	5.5	17.5	35.0	56.8	80.6	103.4	127.2	153.3	186.3	225.5
-42.5°	0.0	5.3	16.4	32.5	53.4	76.1	98.2	120.3	144.6	174.6	209.0
-45°	0.0	5.1	15.2	30.0	49.9	71.3	92.8	113.4	136.3	162.3	192.3
-47.5°	0.0	4.9	14.0	27.3	46.3	66.4	87.1	106.8	127.7	149.7	178.1
-50°	0.0	4.6	12.7	25.1	42.6	61.2	81.0	99.9	118.8	139.6	163.4
-52.5°	0.0	4.4	11.4	23.2	38.7	55.9	74.6	92.8	110.3	129.2	148.7
-55°	0.0	4.1	10.0	21.1	34.7	50.8	68.0	85.4	102.0	118.5	136.8
-57.5°	0.0	3.9	8.6	19.0	30.6	45.7	61.2	77.5	93.3	108.5	124.5
-60°	0.0	3.6	7.2	16.8	26.5	40.4	54.3	69.4	84.4	98.6	112.5
-62.5°	0.0	3.3	6.6	14.6	23.5	35.0	47.8	61.0	74.9	88.4	101.2
-65°	0.0	3.0	6.1	12.3	20.5	29.4	41.1	52.7	65.2	77.6	89.7
-67.5°	0.0	2.8	5.5	10.0	17.4	24.7	34.4	44.9	55.3	66.5	77.6
-70°	0.0	2.5	4.9	7.7	14.2	20.7	27.5	36.9	46.1	55.3	65.2
-72.5°	0.0	2.2	4.3	6.5	11.0	16.8	22.4	28.7	36.9	44.9	52.7
-75°	0.0	1.9	3.7	5.6	7.8	12.7	17.6	22.4	27.5	34.4	41.1
-77.5°	0.0	1.6	3.1	4.7	6.2	8.6	12.7	16.8	20.7	24.7	29.4
-80°	0.0	1.2	2.5	3.7	5.0	6.2	7.8	11.0	14.2	17.4	20.5
-82.5°	0.0	0.9	1.9	2.8	3.7	4.7	5.6	6.5	7.7	10.0	12.3
-85°	0.0	0.6	1.3	1.9	2.5	3.1	3.7	4.3	4.9	5.5	6.1
-87.5°	0.0	0.3	0.6	0.9	1.2	1.6	1.9	2.2	2.5	2.8	3.0
-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: P645310 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA1B-727-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°	3.3	3.6	3.9	4.1	4.4	4.6	4.9	5.1	5.3	5.5	5.7
85°	6.6	7.2	8.6	10.0	11.4	12.7	14.0	15.2	16.4	17.5	18.6
82.5°	14.6	16.8	19.0	21.1	23.2	25.1	27.3	30.0	32.5	35.0	37.3
80°	23.5	26.5	30.6	34.7	38.7	42.6	46.3	49.9	53.4	56.8	60.2
77.5°	35.0	40.4	45.7	50.8	55.9	61.2	66.4	71.3	76.1	80.6	84.9
75°	47.8	54.3	61.2	68.0	74.6	81.0	87.1	92.8	98.2	103.4	108.3
72.5°	61.0	69.4	77.5	85.4	92.8	99.9	106.8	113.4	120.3	127.2	133.7
70°	74.9	84.4	93.3	102.0	110.3	118.8	127.7	136.3	144.6	153.3	163.1
67.5°	88.4	98.6	108.5	118.5	129.2	139.6	149.7	162.3	174.6	186.3	198.2
65°	101.2	112.5	124.5	136.8	148.7	163.4	178.1	192.3	209.0	225.5	241.2
62.5°	113.8	127.6	141.3	156.3	173.4	190.1	209.5	229.2	248.2	269.7	290.6
60°	127.6	142.8	160.3	179.5	199.3	222.3	244.6	269.4	294.4	318.5	348.1
57.5°	141.3	160.3	181.5	204.4	230.0	255.9	285.0	313.2	347.0	380.7	414.2
55°	156.3	179.5	204.4	232.6	262.2	294.5	328.2	367.5	405.6	448.0	488.5
52.5°	173.4	199.3	230.0	262.2	297.6	336.5	380.0	425.0	472.4	518.4	563.5
50°	190.1	222.3	255.9	294.5	336.5	384.2	434.8	487.2	538.9	589.4	636.7
47.5°	209.5	244.6	285.0	328.2	380.0	434.8	492.1	549.2	605.1	656.9	706.5
45°	229.2	269.4	313.2	367.5	425.0	487.2	549.2	610.3	667.1	720.6	767.4
42.5°	248.2	294.4	347.0	405.6	472.4	538.9	605.1	667.1	725.2	776.7	823.7
40°	269.7	318.5	380.7	448.0	518.4	589.4	656.9	720.6	776.7	828.0	875.7
37.5°	290.6	348.1	414.2	488.5	563.5	636.7	706.5	767.4	823.7	875.7	921.3
35°	310.4	376.3	449.9	527.9	606.6	681.0	749.0	810.9	866.9	917.3	964.0
32.5°	332.4	402.9	483.6	565.7	645.9	721.7	789.0	849.6	905.3	956.4	1002.8
30°	355.1	431.5	515.6	601.3	682.8	756.9	824.1	885.5	940.7	991.2	1036.7
27.5°	376.3	458.6	546.2	633.5	716.5	789.9	856.2	916.7	972.2	1023.1	1067.1
25°	395.8	483.6	574.5	663.0	744.9	818.4	885.3	945.8	1001.0	1049.8	1092.6
22.5°	415.1	506.5	600.4	690.1	770.9	843.9	910.2	970.8	1026.0	1074.4	1115.5
20°	433.8	527.9	623.3	714.1	794.5	867.1	932.9	993.4	1047.1	1093.9	1134.9
17.5°	450.5	546.9	643.3	733.5	814.0	886.9	952.9	1013.6	1066.1	1111.6	1151.6
15°	465.1	563.5	660.8	750.5	830.7	903.3	969.4	1029.4	1081.5	1126.6	1166.4
12.5°	477.5	577.7	675.7	764.9	845.0	917.4	983.5	1042.6	1093.9	1138.4	1177.3
10°	487.7	589.4	688.0	776.9	856.8	929.0	995.1	1053.6	1104.1	1148.2	1186.4
7.5°	495.7	598.5	697.7	786.2	866.0	938.1	1004.2	1062.2	1112.2	1155.9	1193.5
5°	501.4	605.1	704.6	792.9	872.7	944.6	1010.8	1068.4	1118.0	1161.5	1198.7
2.5°	504.9	609.0	708.7	797.0	876.7	948.6	1014.8	1072.2	1121.5	1164.9	1201.9
0°	506.0	610.3	710.1	798.3	878.0	949.9	1016.1	1073.4	1122.7	1166.0	1202.9
-2.5°	504.9	609.0	708.7	797.0	876.7	948.6	1014.8	1072.2	1121.5	1164.9	1201.9
-5°	501.4	605.1	704.6	792.9	872.7	944.6	1010.8	1068.4	1118.0	1161.5	1198.7
-7.5°	495.7	598.5	697.7	786.2	866.0	938.1	1004.2	1062.2	1112.2	1155.9	1193.5
-10°	487.7	589.4	688.0	776.9	856.8	929.0	995.1	1053.6	1104.1	1148.2	1186.4
-12.5°	477.5	577.7	675.7	764.9	845.0	917.4	983.5	1042.6	1093.9	1138.4	1177.3
-15°	465.1	563.5	660.8	750.5	830.7	903.3	969.4	1029.4	1081.5	1126.6	1166.4
-17.5°	450.5	546.9	643.3	733.5	814.0	886.9	952.9	1013.6	1066.1	1111.6	1151.6
-20°	433.8	527.9	623.3	714.1	794.5	867.1	932.9	993.4	1047.1	1093.9	1134.9



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 CATALOG NUMBER: GFLD-SA1B-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°	415.1	506.5	600.4	690.1	770.9	843.9	910.2	970.8	1026.0	1074.4	1115.5
-25°	395.8	483.6	574.5	663.0	744.9	818.4	885.3	945.8	1001.0	1049.8	1092.6
-27.5°	376.3	458.6	546.2	633.5	716.5	789.9	856.2	916.7	972.2	1023.1	1067.1
-30°	355.1	431.5	515.6	601.3	682.8	756.9	824.1	885.5	940.7	991.2	1036.7
-32.5°	332.4	402.9	483.6	565.7	645.9	721.7	789.0	849.6	905.3	956.4	1002.8
-35°	310.4	376.3	449.9	527.9	606.6	681.0	749.0	810.9	866.9	917.3	964.0
-37.5°	290.6	348.1	414.2	488.5	563.5	636.7	706.5	767.4	823.7	875.7	921.3
-40°	269.7	318.5	380.7	448.0	518.4	589.4	656.9	720.6	776.7	828.0	875.7
-42.5°	248.2	294.4	347.0	405.6	472.4	538.9	605.1	667.1	725.2	776.7	823.7
-45°	229.2	269.4	313.2	367.5	425.0	487.2	549.2	610.3	667.1	720.6	767.4
-47.5°	209.5	244.6	285.0	328.2	380.0	434.8	492.1	549.2	605.1	656.9	706.5
-50°	190.1	222.3	255.9	294.5	336.5	384.2	434.8	487.2	538.9	589.4	636.7
-52.5°	173.4	199.3	230.0	262.2	297.6	336.5	380.0	425.0	472.4	518.4	563.5
-55°	156.3	179.5	204.4	232.6	262.2	294.5	328.2	367.5	405.6	448.0	488.5
-57.5°	141.3	160.3	181.5	204.4	230.0	255.9	285.0	313.2	347.0	380.7	414.2
-60°	127.6	142.8	160.3	179.5	199.3	222.3	244.6	269.4	294.4	318.5	348.1
-62.5°	113.8	127.6	141.3	156.3	173.4	190.1	209.5	229.2	248.2	269.7	290.6
-65°	101.2	112.5	124.5	136.8	148.7	163.4	178.1	192.3	209.0	225.5	241.2
-67.5°	88.4	98.6	108.5	118.5	129.2	139.6	149.7	162.3	174.6	186.3	198.2
-70°	74.9	84.4	93.3	102.0	110.3	118.8	127.7	136.3	144.6	153.3	163.1
-72.5°	61.0	69.4	77.5	85.4	92.8	99.9	106.8	113.4	120.3	127.2	133.7
-75°	47.8	54.3	61.2	68.0	74.6	81.0	87.1	92.8	98.2	103.4	108.3
-77.5°	35.0	40.4	45.7	50.8	55.9	61.2	66.4	71.3	76.1	80.6	84.9
-80°	23.5	26.5	30.6	34.7	38.7	42.6	46.3	49.9	53.4	56.8	60.2
-82.5°	14.6	16.8	19.0	21.1	23.2	25.1	27.3	30.0	32.5	35.0	37.3
-85°	6.6	7.2	8.6	10.0	11.4	12.7	14.0	15.2	16.4	17.5	18.6
-87.5°	3.3	3.6	3.9	4.1	4.4	4.6	4.9	5.1	5.3	5.5	5.7
-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: P645310 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA1B-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°	5.9	6.1	6.2	6.4	6.5	6.7	6.8	6.9	7.0	7.0	7.1
85°	19.6	20.5	21.4	22.2	23.0	23.6	24.3	24.8	25.3	25.7	26.0
82.5°	39.5	41.6	43.5	45.3	47.0	48.5	49.8	51.0	52.1	53.0	53.7
80°	63.5	66.5	69.4	72.0	74.5	76.7	78.7	80.4	82.0	83.3	84.4
77.5°	88.8	92.5	95.9	99.0	101.9	104.6	107.0	109.1	110.9	112.5	113.8
75°	113.0	117.6	122.2	126.5	130.5	134.1	137.4	140.3	142.8	145.0	146.7
72.5°	139.9	145.7	151.6	158.2	164.4	170.0	175.0	179.5	183.4	186.7	189.4
70°	172.5	181.3	189.5	197.9	206.8	215.0	222.3	228.8	234.5	239.3	243.3
67.5°	211.6	224.1	235.9	246.9	258.3	269.4	279.4	288.3	296.1	302.7	308.1
65°	257.3	274.2	290.0	304.8	318.5	334.6	349.1	362.0	373.3	382.9	390.8
62.5°	310.4	332.4	355.1	376.3	395.8	415.1	433.8	450.5	465.1	477.5	487.7
60°	376.3	402.9	431.5	458.6	483.6	506.5	527.9	546.9	563.5	577.7	589.4
57.5°	449.9	483.6	515.6	546.2	574.5	600.4	623.3	643.3	660.8	675.7	688.0
55°	527.9	565.7	601.3	633.5	663.0	690.1	714.1	733.5	750.5	764.9	776.9
52.5°	606.6	645.9	682.8	716.5	744.9	770.9	794.5	814.0	830.7	845.0	856.8
50°	681.0	721.7	756.9	789.9	818.4	843.9	867.1	886.9	903.3	917.4	929.0
47.5°	749.0	789.0	824.1	856.2	885.3	910.2	932.9	952.9	969.4	983.5	995.1
45°	810.9	849.6	885.5	916.7	945.8	970.8	993.4	1013.6	1029.4	1042.6	1053.6
42.5°	866.9	905.3	940.7	972.2	1001.0	1026.0	1047.1	1066.1	1081.5	1093.9	1104.1
40°	917.3	956.4	991.2	1023.1	1049.8	1074.4	1093.9	1111.6	1126.6	1138.4	1148.2
37.5°	964.0	1002.8	1036.7	1067.1	1092.6	1115.5	1134.9	1151.6	1166.4	1177.3	1186.4
35°	1006.7	1043.6	1077.1	1105.0	1130.3	1151.8	1170.9	1186.3	1200.0	1210.4	1218.7
32.5°	1043.6	1080.1	1111.3	1138.7	1163.4	1183.5	1201.8	1215.9	1228.4	1238.4	1246.1
30°	1077.1	1111.3	1141.6	1168.8	1191.2	1210.8	1227.3	1241.1	1252.6	1262.1	1268.9
27.5°	1105.0	1138.7	1168.8	1193.8	1215.4	1234.3	1249.3	1262.5	1272.6	1281.4	1287.2
25°	1130.3	1163.4	1191.2	1215.4	1236.3	1253.4	1267.8	1279.8	1288.7	1296.3	1300.6
22.5°	1151.8	1183.5	1210.8	1234.3	1253.4	1269.5	1283.0	1293.3	1300.6	1305.1	1307.6
20°	1170.9	1201.8	1227.3	1249.3	1267.8	1283.0	1294.8	1302.3	1307.4	1308.6	1309.4
17.5°	1186.3	1215.9	1241.1	1262.5	1279.8	1293.3	1302.3	1307.6	1309.1	1308.9	1308.1
15°	1200.0	1228.4	1252.6	1272.6	1288.7	1300.6	1307.4	1309.1	1308.7	1307.2	1304.8
12.5°	1210.4	1238.4	1262.1	1281.4	1296.3	1305.1	1308.6	1308.9	1307.2	1304.3	1300.9
10°	1218.7	1246.1	1268.9	1287.2	1300.6	1307.6	1309.4	1308.1	1304.8	1300.9	1297.1
7.5°	1225.3	1252.2	1274.3	1291.9	1303.4	1308.4	1308.8	1306.5	1302.5	1298.0	1294.0
5°	1230.1	1256.6	1278.2	1295.3	1305.5	1309.0	1308.4	1305.2	1300.5	1295.9	1292.2
2.5°	1232.9	1259.3	1280.6	1297.4	1306.8	1309.4	1308.2	1304.4	1299.3	1294.5	1291.0
0°	1233.9	1260.2	1281.4	1298.1	1307.2	1309.5	1308.1	1304.1	1298.9	1294.0	1290.6
-2.5°	1232.9	1259.3	1280.6	1297.4	1306.8	1309.4	1308.2	1304.4	1299.3	1294.5	1291.0
-5°	1230.1	1256.6	1278.2	1295.3	1305.5	1309.0	1308.4	1305.2	1300.5	1295.9	1292.2
-7.5°	1225.3	1252.2	1274.3	1291.9	1303.4	1308.4	1308.8	1306.5	1302.5	1298.0	1294.0
-10°	1218.7	1246.1	1268.9	1287.2	1300.6	1307.6	1309.4	1308.1	1304.8	1300.9	1297.1
-12.5°	1210.4	1238.4	1262.1	1281.4	1296.3	1305.1	1308.6	1308.9	1307.2	1304.3	1300.9
-15°	1200.0	1228.4	1252.6	1272.6	1288.7	1300.6	1307.4	1309.1	1308.7	1307.2	1304.8
-17.5°	1186.3	1215.9	1241.1	1262.5	1279.8	1293.3	1302.3	1307.6	1309.1	1308.9	1308.1
-20°	1170.9	1201.8	1227.3	1249.3	1267.8	1283.0	1294.8	1302.3	1307.4	1308.6	1309.4

Classified

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

Scaled Data Report



REPORT NUMBER: P645310 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA1B-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°	1151.8	1183.5	1210.8	1234.3	1253.4	1269.5	1283.0	1293.3	1300.6	1305.1	1307.6
-25°	1130.3	1163.4	1191.2	1215.4	1236.3	1253.4	1267.8	1279.8	1288.7	1296.3	1300.6
-27.5°	1105.0	1138.7	1168.8	1193.8	1215.4	1234.3	1249.3	1262.5	1272.6	1281.4	1287.2
-30°	1077.1	1111.3	1141.6	1168.8	1191.2	1210.8	1227.3	1241.1	1252.6	1262.1	1268.9
-32.5°	1043.6	1080.1	1111.3	1138.7	1163.4	1183.5	1201.8	1215.9	1228.4	1238.4	1246.1
-35°	1006.7	1043.6	1077.1	1105.0	1130.3	1151.8	1170.9	1186.3	1200.0	1210.4	1218.7
-37.5°	964.0	1002.8	1036.7	1067.1	1092.6	1115.5	1134.9	1151.6	1166.4	1177.3	1186.4
-40°	917.3	956.4	991.2	1023.1	1049.8	1074.4	1093.9	1111.6	1126.6	1138.4	1148.2
-42.5°	866.9	905.3	940.7	972.2	1001.0	1026.0	1047.1	1066.1	1081.5	1093.9	1104.1
-45°	810.9	849.6	885.5	916.7	945.8	970.8	993.4	1013.6	1029.4	1042.6	1053.6
-47.5°	749.0	789.0	824.1	856.2	885.3	910.2	932.9	952.9	969.4	983.5	995.1
-50°	681.0	721.7	756.9	789.9	818.4	843.9	867.1	886.9	903.3	917.4	929.0
-52.5°	606.6	645.9	682.8	716.5	744.9	770.9	794.5	814.0	830.7	845.0	856.8
-55°	527.9	565.7	601.3	633.5	663.0	690.1	714.1	733.5	750.5	764.9	776.9
-57.5°	449.9	483.6	515.6	546.2	574.5	600.4	623.3	643.3	660.8	675.7	688.0
-60°	376.3	402.9	431.5	458.6	483.6	506.5	527.9	546.9	563.5	577.7	589.4
-62.5°	310.4	332.4	355.1	376.3	395.8	415.1	433.8	450.5	465.1	477.5	487.7
-65°	257.3	274.2	290.0	304.8	318.5	334.6	349.1	362.0	373.3	382.9	390.8
-67.5°	211.6	224.1	235.9	246.9	258.3	269.4	279.4	288.3	296.1	302.7	308.1
-70°	172.5	181.3	189.5	197.9	206.8	215.0	222.3	228.8	234.5	239.3	243.3
-72.5°	139.9	145.7	151.6	158.2	164.4	170.0	175.0	179.5	183.4	186.7	189.4
-75°	113.0	117.6	122.2	126.5	130.5	134.1	137.4	140.3	142.8	145.0	146.7
-77.5°	88.8	92.5	95.9	99.0	101.9	104.6	107.0	109.1	110.9	112.5	113.8
-80°	63.5	66.5	69.4	72.0	74.5	76.7	78.7	80.4	82.0	83.3	84.4
-82.5°	39.5	41.6	43.5	45.3	47.0	48.5	49.8	51.0	52.1	53.0	53.7
-85°	19.6	20.5	21.4	22.2	23.0	23.6	24.3	24.8	25.3	25.7	26.0
-87.5°	5.9	6.1	6.2	6.4	6.5	6.7	6.8	6.9	7.0	7.0	7.1
-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: P645310 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA1B-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°	7.1	7.2	7.2	7.2	7.2	7.2	7.1	7.1	7.0	7.0	6.9
85°	26.3	26.5	26.6	26.6	26.6	26.5	26.3	26.0	25.7	25.3	24.8
82.5°	54.3	54.7	54.9	55.0	54.9	54.7	54.3	53.7	53.0	52.1	51.0
80°	85.2	85.8	86.2	86.3	86.2	85.8	85.2	84.4	83.3	82.0	80.4
77.5°	114.8	115.5	116.0	116.1	116.0	115.5	114.8	113.8	112.5	110.9	109.1
75°	148.1	149.1	149.7	149.9	149.7	149.1	148.1	146.7	145.0	142.8	140.3
72.5°	191.6	193.1	194.0	194.3	194.0	193.1	191.6	189.4	186.7	183.4	179.5
70°	246.4	248.6	250.0	250.4	250.0	248.6	246.4	243.3	239.3	234.5	228.8
67.5°	312.3	315.4	317.2	317.8	317.2	315.4	312.3	308.1	302.7	296.1	288.3
65°	396.9	401.4	404.0	404.9	404.0	401.4	396.9	390.8	382.9	373.3	362.0
62.5°	495.7	501.4	504.9	506.0	504.9	501.4	495.7	487.7	477.5	465.1	450.5
60°	598.5	605.1	609.0	610.3	609.0	605.1	598.5	589.4	577.7	563.5	546.9
57.5°	697.7	704.6	708.7	710.1	708.7	704.6	697.7	688.0	675.7	660.8	643.3
55°	786.2	792.9	797.0	798.3	797.0	792.9	786.2	776.9	764.9	750.5	733.5
52.5°	866.0	872.7	876.7	878.0	876.7	872.7	866.0	856.8	845.0	830.7	814.0
50°	938.1	944.6	948.6	949.9	948.6	944.6	938.1	929.0	917.4	903.3	886.9
47.5°	1004.2	1010.8	1014.8	1016.1	1014.8	1010.8	1004.2	995.1	983.5	969.4	952.9
45°	1062.2	1068.4	1072.2	1073.4	1072.2	1068.4	1062.2	1053.6	1042.6	1029.4	1013.6
42.5°	1112.2	1118.0	1121.5	1122.7	1121.5	1118.0	1112.2	1104.1	1093.9	1081.5	1066.1
40°	1155.9	1161.5	1164.9	1166.0	1164.9	1161.5	1155.9	1148.2	1138.4	1126.6	1111.6
37.5°	1193.5	1198.7	1201.9	1202.9	1201.9	1198.7	1193.5	1186.4	1177.3	1166.4	1151.6
35°	1225.3	1230.1	1232.9	1233.9	1232.9	1230.1	1225.3	1218.7	1210.4	1200.0	1186.3
32.5°	1252.2	1256.6	1259.3	1260.2	1259.3	1256.6	1252.2	1246.1	1238.4	1228.4	1215.9
30°	1274.3	1278.2	1280.6	1281.4	1280.6	1278.2	1274.3	1268.9	1262.1	1252.6	1241.1
27.5°	1291.9	1295.3	1297.4	1298.1	1297.4	1295.3	1291.9	1287.2	1281.4	1272.6	1262.5
25°	1303.4	1305.5	1306.8	1307.2	1306.8	1305.5	1303.4	1300.6	1296.3	1288.7	1279.8
22.5°	1308.4	1309.0	1309.4	1309.5	1309.4	1309.0	1308.4	1307.6	1305.1	1300.6	1293.3
20°	1308.8	1308.4	1308.2	1308.1	1308.2	1308.4	1308.8	1309.4	1308.6	1307.4	1302.3
17.5°	1306.5	1305.2	1304.4	1304.1	1304.4	1305.2	1306.5	1308.1	1308.9	1309.1	1307.6
15°	1302.5	1300.5	1299.3	1298.9	1299.3	1300.5	1302.5	1304.8	1307.2	1308.7	1309.1
12.5°	1298.0	1295.9	1294.5	1294.0	1294.5	1295.9	1298.0	1300.9	1304.3	1307.2	1308.9
10°	1294.0	1292.2	1291.0	1290.6	1291.0	1292.2	1294.0	1297.1	1300.9	1304.8	1308.1
7.5°	1291.4	1289.8	1288.9	1288.6	1288.9	1289.8	1291.4	1294.0	1298.0	1302.5	1306.5
5°	1289.8	1288.2	1286.8	1286.3	1286.8	1288.2	1289.8	1292.2	1295.9	1300.5	1305.2
2.5°	1288.9	1286.8	1284.8	1283.7	1284.8	1286.8	1288.9	1291.0	1294.5	1299.3	1304.4
0°	1288.6	1286.3	1283.7	1284.0	1283.7	1286.3	1288.6	1290.6	1294.0	1298.9	1304.1
-2.5°	1288.9	1286.8	1284.8	1283.7	1284.8	1286.8	1288.9	1291.0	1294.5	1299.3	1304.4
-5°	1289.8	1288.2	1286.8	1286.3	1286.8	1288.2	1289.8	1292.2	1295.9	1300.5	1305.2
-7.5°	1291.4	1289.8	1288.9	1288.6	1288.9	1289.8	1291.4	1294.0	1298.0	1302.5	1306.5
-10°	1294.0	1292.2	1291.0	1290.6	1291.0	1292.2	1294.0	1297.1	1300.9	1304.8	1308.1
-12.5°	1298.0	1295.9	1294.5	1294.0	1294.5	1295.9	1298.0	1300.9	1304.3	1307.2	1308.9
-15°	1302.5	1300.5	1299.3	1298.9	1299.3	1300.5	1302.5	1304.8	1307.2	1308.7	1309.1
-17.5°	1306.5	1305.2	1304.4	1304.1	1304.4	1305.2	1306.5	1308.1	1308.9	1309.1	1307.6
-20°	1308.8	1308.4	1308.2	1308.1	1308.2	1308.4	1308.8	1309.4	1308.6	1307.4	1302.3

Classified

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

Scaled Data Report



REPORT NUMBER: P645310 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA1B-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°	1308.4	1309.0	1309.4	1309.5	1309.4	1309.0	1308.4	1307.6	1305.1	1300.6	1293.3
-25°	1303.4	1305.5	1306.8	1307.2	1306.8	1305.5	1303.4	1300.6	1296.3	1288.7	1279.8
-27.5°	1291.9	1295.3	1297.4	1298.1	1297.4	1295.3	1291.9	1287.2	1281.4	1272.6	1262.5
-30°	1274.3	1278.2	1280.6	1281.4	1280.6	1278.2	1274.3	1268.9	1262.1	1252.6	1241.1
-32.5°	1252.2	1256.6	1259.3	1260.2	1259.3	1256.6	1252.2	1246.1	1238.4	1228.4	1215.9
-35°	1225.3	1230.1	1232.9	1233.9	1232.9	1230.1	1225.3	1218.7	1210.4	1200.0	1186.3
-37.5°	1193.5	1198.7	1201.9	1202.9	1201.9	1198.7	1193.5	1186.4	1177.3	1166.4	1151.6
-40°	1155.9	1161.5	1164.9	1166.0	1164.9	1161.5	1155.9	1148.2	1138.4	1126.6	1111.6
-42.5°	1112.2	1118.0	1121.5	1122.7	1121.5	1118.0	1112.2	1104.1	1093.9	1081.5	1066.1
-45°	1062.2	1068.4	1072.2	1073.4	1072.2	1068.4	1062.2	1053.6	1042.6	1029.4	1013.6
-47.5°	1004.2	1010.8	1014.8	1016.1	1014.8	1010.8	1004.2	995.1	983.5	969.4	952.9
-50°	938.1	944.6	948.6	949.9	948.6	944.6	938.1	929.0	917.4	903.3	886.9
-52.5°	866.0	872.7	876.7	878.0	876.7	872.7	866.0	856.8	845.0	830.7	814.0
-55°	786.2	792.9	797.0	798.3	797.0	792.9	786.2	776.9	764.9	750.5	733.5
-57.5°	697.7	704.6	708.7	710.1	708.7	704.6	697.7	688.0	675.7	660.8	643.3
-60°	598.5	605.1	609.0	610.3	609.0	605.1	598.5	589.4	577.7	563.5	546.9
-62.5°	495.7	501.4	504.9	506.0	504.9	501.4	495.7	487.7	477.5	465.1	450.5
-65°	396.9	401.4	404.0	404.9	404.0	401.4	396.9	390.8	382.9	373.3	362.0
-67.5°	312.3	315.4	317.2	317.8	317.2	315.4	312.3	308.1	302.7	296.1	288.3
-70°	246.4	248.6	250.0	250.4	250.0	248.6	246.4	243.3	239.3	234.5	228.8
-72.5°	191.6	193.1	194.0	194.3	194.0	193.1	191.6	189.4	186.7	183.4	179.5
-75°	148.1	149.1	149.7	149.9	149.7	149.1	148.1	146.7	145.0	142.8	140.3
-77.5°	114.8	115.5	116.0	116.1	116.0	115.5	114.8	113.8	112.5	110.9	109.1
-80°	85.2	85.8	86.2	86.3	86.2	85.8	85.2	84.4	83.3	82.0	80.4
-82.5°	54.3	54.7	54.9	55.0	54.9	54.7	54.3	53.7	53.0	52.1	51.0
-85°	26.3	26.5	26.6	26.6	26.6	26.5	26.3	26.0	25.7	25.3	24.8
-87.5°	7.1	7.2	7.2	7.2	7.2	7.2	7.1	7.1	7.0	7.0	6.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





REPORT NUMBER: P645310 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA1B-727-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°	6.8	6.7	6.5	6.4	6.2	6.1	5.9	5.7	5.5	5.3	5.1
85°	24.3	23.6	23.0	22.2	21.4	20.5	19.6	18.6	17.5	16.4	15.2
82.5°	49.8	48.5	47.0	45.3	43.5	41.6	39.5	37.3	35.0	32.5	30.0
80°	78.7	76.7	74.5	72.0	69.4	66.5	63.5	60.2	56.8	53.4	49.9
77.5°	107.0	104.6	101.9	99.0	95.9	92.5	88.8	84.9	80.6	76.1	71.3
75°	137.4	134.1	130.5	126.5	122.2	117.6	113.0	108.3	103.4	98.2	92.8
72.5°	175.0	170.0	164.4	158.2	151.6	145.7	139.9	133.7	127.2	120.3	113.4
70°	222.3	215.0	206.8	197.9	189.5	181.3	172.5	163.1	153.3	144.6	136.3
67.5°	279.4	269.4	258.3	246.9	235.9	224.1	211.6	198.2	186.3	174.6	162.3
65°	349.1	334.6	318.5	304.8	290.0	274.2	257.3	241.2	225.5	209.0	192.3
62.5°	433.8	415.1	395.8	376.3	355.1	332.4	310.4	290.6	269.7	248.2	229.2
60°	527.9	506.5	483.6	458.6	431.5	402.9	376.3	348.1	318.5	294.4	269.4
57.5°	623.3	600.4	574.5	546.2	515.6	483.6	449.9	414.2	380.7	347.0	313.2
55°	714.1	690.1	663.0	633.5	601.3	565.7	527.9	488.5	448.0	405.6	367.5
52.5°	794.5	770.9	744.9	716.5	682.8	645.9	606.6	563.5	518.4	472.4	425.0
50°	867.1	843.9	818.4	789.9	756.9	721.7	681.0	636.7	589.4	538.9	487.2
47.5°	932.9	910.2	885.3	856.2	824.1	789.0	749.0	706.5	656.9	605.1	549.2
45°	993.4	970.8	945.8	916.7	885.5	849.6	810.9	767.4	720.6	667.1	610.3
42.5°	1047.1	1026.0	1001.0	972.2	940.7	905.3	866.9	823.7	776.7	725.2	667.1
40°	1093.9	1074.4	1049.8	1023.1	991.2	956.4	917.3	875.7	828.0	776.7	720.6
37.5°	1134.9	1115.5	1092.6	1067.1	1036.7	1002.8	964.0	921.3	875.7	823.7	767.4
35°	1170.9	1151.8	1130.3	1105.0	1077.1	1043.6	1006.7	964.0	917.3	866.9	810.9
32.5°	1201.8	1183.5	1163.4	1138.7	1111.3	1080.1	1043.6	1002.8	956.4	905.3	849.6
30°	1227.3	1210.8	1191.2	1168.8	1141.6	1111.3	1077.1	1036.7	991.2	940.7	885.5
27.5°	1249.3	1234.3	1215.4	1193.8	1168.8	1138.7	1105.0	1067.1	1023.1	972.2	916.7
25°	1267.8	1253.4	1236.3	1215.4	1191.2	1163.4	1130.3	1092.6	1049.8	1001.0	945.8
22.5°	1283.0	1269.5	1253.4	1234.3	1210.8	1183.5	1151.8	1115.5	1074.4	1026.0	970.8
20°	1294.8	1283.0	1267.8	1249.3	1227.3	1201.8	1170.9	1134.9	1093.9	1047.1	993.4
17.5°	1302.3	1293.3	1279.8	1262.5	1241.1	1215.9	1186.3	1151.6	1111.6	1066.1	1013.6
15°	1307.4	1300.6	1288.7	1272.6	1252.6	1228.4	1200.0	1166.4	1126.6	1081.5	1029.4
12.5°	1308.6	1305.1	1296.3	1281.4	1262.1	1238.4	1210.4	1177.3	1138.4	1093.9	1042.6
10°	1309.4	1307.6	1300.6	1287.2	1268.9	1246.1	1218.7	1186.4	1148.2	1104.1	1053.6
7.5°	1308.8	1308.4	1303.4	1291.9	1274.3	1252.2	1225.3	1193.5	1155.9	1112.2	1062.2
5°	1308.4	1309.0	1305.5	1295.3	1278.2	1256.6	1230.1	1198.7	1161.5	1118.0	1068.4
2.5°	1308.2	1309.4	1306.8	1297.4	1280.6	1259.3	1232.9	1201.9	1164.9	1121.5	1072.2
0°	1308.1	1309.5	1307.2	1298.1	1281.4	1260.2	1233.9	1202.9	1166.0	1122.7	1073.4
-2.5°	1308.2	1309.4	1306.8	1297.4	1280.6	1259.3	1232.9	1201.9	1164.9	1121.5	1072.2
-5°	1308.4	1309.0	1305.5	1295.3	1278.2	1256.6	1230.1	1198.7	1161.5	1118.0	1068.4
-7.5°	1308.8	1308.4	1303.4	1291.9	1274.3	1252.2	1225.3	1193.5	1155.9	1112.2	1062.2
-10°	1309.4	1307.6	1300.6	1287.2	1268.9	1246.1	1218.7	1186.4	1148.2	1104.1	1053.6
-12.5°	1308.6	1305.1	1296.3	1281.4	1262.1	1238.4	1210.4	1177.3	1138.4	1093.9	1042.6
-15°	1307.4	1300.6	1288.7	1272.6	1252.6	1228.4	1200.0	1166.4	1126.6	1081.5	1029.4
-17.5°	1302.3	1293.3	1279.8	1262.5	1241.1	1215.9	1186.3	1151.6	1111.6	1066.1	1013.6
-20°	1294.8	1283.0	1267.8	1249.3	1227.3	1201.8	1170.9	1134.9	1093.9	1047.1	993.4



REPORT NUMBER: P645310 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA1B-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°	1283.0	1269.5	1253.4	1234.3	1210.8	1183.5	1151.8	1115.5	1074.4	1026.0	970.8
-25°	1267.8	1253.4	1236.3	1215.4	1191.2	1163.4	1130.3	1092.6	1049.8	1001.0	945.8
-27.5°	1249.3	1234.3	1215.4	1193.8	1168.8	1138.7	1105.0	1067.1	1023.1	972.2	916.7
-30°	1227.3	1210.8	1191.2	1168.8	1141.6	1111.3	1077.1	1036.7	991.2	940.7	885.5
-32.5°	1201.8	1183.5	1163.4	1138.7	1111.3	1080.1	1043.6	1002.8	956.4	905.3	849.6
-35°	1170.9	1151.8	1130.3	1105.0	1077.1	1043.6	1006.7	964.0	917.3	866.9	810.9
-37.5°	1134.9	1115.5	1092.6	1067.1	1036.7	1002.8	964.0	921.3	875.7	823.7	767.4
-40°	1093.9	1074.4	1049.8	1023.1	991.2	956.4	917.3	875.7	828.0	776.7	720.6
-42.5°	1047.1	1026.0	1001.0	972.2	940.7	905.3	866.9	823.7	776.7	725.2	667.1
-45°	993.4	970.8	945.8	916.7	885.5	849.6	810.9	767.4	720.6	667.1	610.3
-47.5°	932.9	910.2	885.3	856.2	824.1	789.0	749.0	706.5	656.9	605.1	549.2
-50°	867.1	843.9	818.4	789.9	756.9	721.7	681.0	636.7	589.4	538.9	487.2
-52.5°	794.5	770.9	744.9	716.5	682.8	645.9	606.6	563.5	518.4	472.4	425.0
-55°	714.1	690.1	663.0	633.5	601.3	565.7	527.9	488.5	448.0	405.6	367.5
-57.5°	623.3	600.4	574.5	546.2	515.6	483.6	449.9	414.2	380.7	347.0	313.2
-60°	527.9	506.5	483.6	458.6	431.5	402.9	376.3	348.1	318.5	294.4	269.4
-62.5°	433.8	415.1	395.8	376.3	355.1	332.4	310.4	290.6	269.7	248.2	229.2
-65°	349.1	334.6	318.5	304.8	290.0	274.2	257.3	241.2	225.5	209.0	192.3
-67.5°	279.4	269.4	258.3	246.9	235.9	224.1	211.6	198.2	186.3	174.6	162.3
-70°	222.3	215.0	206.8	197.9	189.5	181.3	172.5	163.1	153.3	144.6	136.3
-72.5°	175.0	170.0	164.4	158.2	151.6	145.7	139.9	133.7	127.2	120.3	113.4
-75°	137.4	134.1	130.5	126.5	122.2	117.6	113.0	108.3	103.4	98.2	92.8
-77.5°	107.0	104.6	101.9	99.0	95.9	92.5	88.8	84.9	80.6	76.1	71.3
-80°	78.7	76.7	74.5	72.0	69.4	66.5	63.5	60.2	56.8	53.4	49.9
-82.5°	49.8	48.5	47.0	45.3	43.5	41.6	39.5	37.3	35.0	32.5	30.0
-85°	24.3	23.6	23.0	22.2	21.4	20.5	19.6	18.6	17.5	16.4	15.2
-87.5°	6.8	6.7	6.5	6.4	6.2	6.1	5.9	5.7	5.5	5.3	5.1
-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: P645310 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA1B-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°	4.9	4.6	4.4	4.1	3.9	3.6	3.3	3.0	2.8	2.5	2.2
85°	14.0	12.7	11.4	10.0	8.6	7.2	6.6	6.1	5.5	4.9	4.3
82.5°	27.3	25.1	23.2	21.1	19.0	16.8	14.6	12.3	10.0	7.7	6.5
80°	46.3	42.6	38.7	34.7	30.6	26.5	23.5	20.5	17.4	14.2	11.0
77.5°	66.4	61.2	55.9	50.8	45.7	40.4	35.0	29.4	24.7	20.7	16.8
75°	87.1	81.0	74.6	68.0	61.2	54.3	47.8	41.1	34.4	27.5	22.4
72.5°	106.8	99.9	92.8	85.4	77.5	69.4	61.0	52.7	44.9	36.9	28.7
70°	127.7	118.8	110.3	102.0	93.3	84.4	74.9	65.2	55.3	46.1	36.9
67.5°	149.7	139.6	129.2	118.5	108.5	98.6	88.4	77.6	66.5	55.3	44.9
65°	178.1	163.4	148.7	136.8	124.5	112.5	101.2	89.7	77.6	65.2	52.7
62.5°	209.5	190.1	173.4	156.3	141.3	127.6	113.8	101.2	88.4	74.9	61.0
60°	244.6	222.3	199.3	179.5	160.3	142.8	127.6	112.5	98.6	84.4	69.4
57.5°	285.0	255.9	230.0	204.4	181.5	160.3	141.3	124.5	108.5	93.3	77.5
55°	328.2	294.5	262.2	232.6	204.4	179.5	156.3	136.8	118.5	102.0	85.4
52.5°	380.0	336.5	297.6	262.2	230.0	199.3	173.4	148.7	129.2	110.3	92.8
50°	434.8	384.2	336.5	294.5	255.9	222.3	190.1	163.4	139.6	118.8	99.9
47.5°	492.1	434.8	380.0	328.2	285.0	244.6	209.5	178.1	149.7	127.7	106.8
45°	549.2	487.2	425.0	367.5	313.2	269.4	229.2	192.3	162.3	136.3	113.4
42.5°	605.1	538.9	472.4	405.6	347.0	294.4	248.2	209.0	174.6	144.6	120.3
40°	656.9	589.4	518.4	448.0	380.7	318.5	269.7	225.5	186.3	153.3	127.2
37.5°	706.5	636.7	563.5	488.5	414.2	348.1	290.6	241.2	198.2	163.1	133.7
35°	749.0	681.0	606.6	527.9	449.9	376.3	310.4	257.3	211.6	172.5	139.9
32.5°	789.0	721.7	645.9	565.7	483.6	402.9	332.4	274.2	224.1	181.3	145.7
30°	824.1	756.9	682.8	601.3	515.6	431.5	355.1	290.0	235.9	189.5	151.6
27.5°	856.2	789.9	716.5	633.5	546.2	458.6	376.3	304.8	246.9	197.9	158.2
25°	885.3	818.4	744.9	663.0	574.5	483.6	395.8	318.5	258.3	206.8	164.4
22.5°	910.2	843.9	770.9	690.1	600.4	506.5	415.1	334.6	269.4	215.0	170.0
20°	932.9	867.1	794.5	714.1	623.3	527.9	433.8	349.1	279.4	222.3	175.0
17.5°	952.9	886.9	814.0	733.5	643.3	546.9	450.5	362.0	288.3	228.8	179.5
15°	969.4	903.3	830.7	750.5	660.8	563.5	465.1	373.3	296.1	234.5	183.4
12.5°	983.5	917.4	845.0	764.9	675.7	577.7	477.5	382.9	302.7	239.3	186.7
10°	995.1	929.0	856.8	776.9	688.0	589.4	487.7	390.8	308.1	243.3	189.4
7.5°	1004.2	938.1	866.0	786.2	697.7	598.5	495.7	396.9	312.3	246.4	191.6
5°	1010.8	944.6	872.7	792.9	704.6	605.1	501.4	401.4	315.4	248.6	193.1
2.5°	1014.8	948.6	876.7	797.0	708.7	609.0	504.9	404.0	317.2	250.0	194.0
0°	1016.1	949.9	878.0	798.3	710.1	610.3	506.0	404.9	317.8	250.4	194.3
-2.5°	1014.8	948.6	876.7	797.0	708.7	609.0	504.9	404.0	317.2	250.0	194.0
-5°	1010.8	944.6	872.7	792.9	704.6	605.1	501.4	401.4	315.4	248.6	193.1
-7.5°	1004.2	938.1	866.0	786.2	697.7	598.5	495.7	396.9	312.3	246.4	191.6
-10°	995.1	929.0	856.8	776.9	688.0	589.4	487.7	390.8	308.1	243.3	189.4
-12.5°	983.5	917.4	845.0	764.9	675.7	577.7	477.5	382.9	302.7	239.3	186.7
-15°	969.4	903.3	830.7	750.5	660.8	563.5	465.1	373.3	296.1	234.5	183.4
-17.5°	952.9	886.9	814.0	733.5	643.3	546.9	450.5	362.0	288.3	228.8	179.5
-20°	932.9	867.1	794.5	714.1	623.3	527.9	433.8	349.1	279.4	222.3	175.0

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REPORT NUMBER: P645310 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA1B-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°	910.2	843.9	770.9	690.1	600.4	506.5	415.1	334.6	269.4	215.0	170.0
-25°	885.3	818.4	744.9	663.0	574.5	483.6	395.8	318.5	258.3	206.8	164.4
-27.5°	856.2	789.9	716.5	633.5	546.2	458.6	376.3	304.8	246.9	197.9	158.2
-30°	824.1	756.9	682.8	601.3	515.6	431.5	355.1	290.0	235.9	189.5	151.6
-32.5°	789.0	721.7	645.9	565.7	483.6	402.9	332.4	274.2	224.1	181.3	145.7
-35°	749.0	681.0	606.6	527.9	449.9	376.3	310.4	257.3	211.6	172.5	139.9
-37.5°	706.5	636.7	563.5	488.5	414.2	348.1	290.6	241.2	198.2	163.1	133.7
-40°	656.9	589.4	518.4	448.0	380.7	318.5	269.7	225.5	186.3	153.3	127.2
-42.5°	605.1	538.9	472.4	405.6	347.0	294.4	248.2	209.0	174.6	144.6	120.3
-45°	549.2	487.2	425.0	367.5	313.2	269.4	229.2	192.3	162.3	136.3	113.4
-47.5°	492.1	434.8	380.0	328.2	285.0	244.6	209.5	178.1	149.7	127.7	106.8
-50°	434.8	384.2	336.5	294.5	255.9	222.3	190.1	163.4	139.6	118.8	99.9
-52.5°	380.0	336.5	297.6	262.2	230.0	199.3	173.4	148.7	129.2	110.3	92.8
-55°	328.2	294.5	262.2	232.6	204.4	179.5	156.3	136.8	118.5	102.0	85.4
-57.5°	285.0	255.9	230.0	204.4	181.5	160.3	141.3	124.5	108.5	93.3	77.5
-60°	244.6	222.3	199.3	179.5	160.3	142.8	127.6	112.5	98.6	84.4	69.4
-62.5°	209.5	190.1	173.4	156.3	141.3	127.6	113.8	101.2	88.4	74.9	61.0
-65°	178.1	163.4	148.7	136.8	124.5	112.5	101.2	89.7	77.6	65.2	52.7
-67.5°	149.7	139.6	129.2	118.5	108.5	98.6	88.4	77.6	66.5	55.3	44.9
-70°	127.7	118.8	110.3	102.0	93.3	84.4	74.9	65.2	55.3	46.1	36.9
-72.5°	106.8	99.9	92.8	85.4	77.5	69.4	61.0	52.7	44.9	36.9	28.7
-75°	87.1	81.0	74.6	68.0	61.2	54.3	47.8	41.1	34.4	27.5	22.4
-77.5°	66.4	61.2	55.9	50.8	45.7	40.4	35.0	29.4	24.7	20.7	16.8
-80°	46.3	42.6	38.7	34.7	30.6	26.5	23.5	20.5	17.4	14.2	11.0
-82.5°	27.3	25.1	23.2	21.1	19.0	16.8	14.6	12.3	10.0	7.7	6.5
-85°	14.0	12.7	11.4	10.0	8.6	7.2	6.6	6.1	5.5	4.9	4.3
-87.5°	4.9	4.6	4.4	4.1	3.9	3.6	3.3	3.0	2.8	2.5	2.2
-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°	1.9	1.6	1.2	0.9	0.6	0.3	0.0
85°	3.7	3.1	2.5	1.9	1.3	0.6	0.0
82.5°	5.6	4.7	3.7	2.8	1.9	0.9	0.0
80°	7.8	6.2	5.0	3.7	2.5	1.2	0.0
77.5°	12.7	8.6	6.2	4.7	3.1	1.6	0.0
75°	17.6	12.7	7.8	5.6	3.7	1.9	0.0
72.5°	22.4	16.8	11.0	6.5	4.3	2.2	0.0
70°	27.5	20.7	14.2	7.7	4.9	2.5	0.0
67.5°	34.4	24.7	17.4	10.0	5.5	2.8	0.0
65°	41.1	29.4	20.5	12.3	6.1	3.0	0.0
62.5°	47.8	35.0	23.5	14.6	6.6	3.3	0.0
60°	54.3	40.4	26.5	16.8	7.2	3.6	0.0
57.5°	61.2	45.7	30.6	19.0	8.6	3.9	0.0
55°	68.0	50.8	34.7	21.1	10.0	4.1	0.0
52.5°	74.6	55.9	38.7	23.2	11.4	4.4	0.0
50°	81.0	61.2	42.6	25.1	12.7	4.6	0.0
47.5°	87.1	66.4	46.3	27.3	14.0	4.9	0.0
45°	92.8	71.3	49.9	30.0	15.2	5.1	0.0
42.5°	98.2	76.1	53.4	32.5	16.4	5.3	0.0
40°	103.4	80.6	56.8	35.0	17.5	5.5	0.0
37.5°	108.3	84.9	60.2	37.3	18.6	5.7	0.0
35°	113.0	88.8	63.5	39.5	19.6	5.9	0.0
32.5°	117.6	92.5	66.5	41.6	20.5	6.1	0.0
30°	122.2	95.9	69.4	43.5	21.4	6.2	0.0
27.5°	126.5	99.0	72.0	45.3	22.2	6.4	0.0
25°	130.5	101.9	74.5	47.0	23.0	6.5	0.0
22.5°	134.1	104.6	76.7	48.5	23.6	6.7	0.0
20°	137.4	107.0	78.7	49.8	24.3	6.8	0.0
17.5°	140.3	109.1	80.4	51.0	24.8	6.9	0.0
15°	142.8	110.9	82.0	52.1	25.3	7.0	0.0
12.5°	145.0	112.5	83.3	53.0	25.7	7.0	0.0
10°	146.7	113.8	84.4	53.7	26.0	7.1	0.0
7.5°	148.1	114.8	85.2	54.3	26.3	7.1	0.0
5°	149.1	115.5	85.8	54.7	26.5	7.2	0.0
2.5°	149.7	116.0	86.2	54.9	26.6	7.2	0.0
0°	149.9	116.1	86.3	55.0	26.6	7.2	0.0
-2.5°	149.7	116.0	86.2	54.9	26.6	7.2	0.0
-5°	149.1	115.5	85.8	54.7	26.5	7.2	0.0
-7.5°	148.1	114.8	85.2	54.3	26.3	7.1	0.0
-10°	146.7	113.8	84.4	53.7	26.0	7.1	0.0
-12.5°	145.0	112.5	83.3	53.0	25.7	7.0	0.0
-15°	142.8	110.9	82.0	52.1	25.3	7.0	0.0
-17.5°	140.3	109.1	80.4	51.0	24.8	6.9	0.0
-20°	137.4	107.0	78.7	49.8	24.3	6.8	0.0

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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	134.1	104.6	76.7	48.5	23.6	6.7	0.0
-25°	130.5	101.9	74.5	47.0	23.0	6.5	0.0
-27.5°	126.5	99.0	72.0	45.3	22.2	6.4	0.0
-30°	122.2	95.9	69.4	43.5	21.4	6.2	0.0
-32.5°	117.6	92.5	66.5	41.6	20.5	6.1	0.0
-35°	113.0	88.8	63.5	39.5	19.6	5.9	0.0
-37.5°	108.3	84.9	60.2	37.3	18.6	5.7	0.0
-40°	103.4	80.6	56.8	35.0	17.5	5.5	0.0
-42.5°	98.2	76.1	53.4	32.5	16.4	5.3	0.0
-45°	92.8	71.3	49.9	30.0	15.2	5.1	0.0
-47.5°	87.1	66.4	46.3	27.3	14.0	4.9	0.0
-50°	81.0	61.2	42.6	25.1	12.7	4.6	0.0
-52.5°	74.6	55.9	38.7	23.2	11.4	4.4	0.0
-55°	68.0	50.8	34.7	21.1	10.0	4.1	0.0
-57.5°	61.2	45.7	30.6	19.0	8.6	3.9	0.0
-60°	54.3	40.4	26.5	16.8	7.2	3.6	0.0
-62.5°	47.8	35.0	23.5	14.6	6.6	3.3	0.0
-65°	41.1	29.4	20.5	12.3	6.1	3.0	0.0
-67.5°	34.4	24.7	17.4	10.0	5.5	2.8	0.0
-70°	27.5	20.7	14.2	7.7	4.9	2.5	0.0
-72.5°	22.4	16.8	11.0	6.5	4.3	2.2	0.0
-75°	17.6	12.7	7.8	5.6	3.7	1.9	0.0
-77.5°	12.7	8.6	6.2	4.7	3.1	1.6	0.0
-80°	7.8	6.2	5.0	3.7	2.5	1.2	0.0
-82.5°	5.6	4.7	3.7	2.8	1.9	0.9	0.0
-85°	3.7	3.1	2.5	1.9	1.3	0.6	0.0
-87.5°	1.9	1.6	1.2	0.9	0.6	0.3	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)