

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: P645400 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA2E-740-U-LAM-XX

Issue Date: 2/28/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P645400 (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-SA2E-740-U-LAM-XX  
Description: GALLEON FLOOD, TWO LIGHT SQAURE, LAMBERTIAN  
Light Source: (32) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

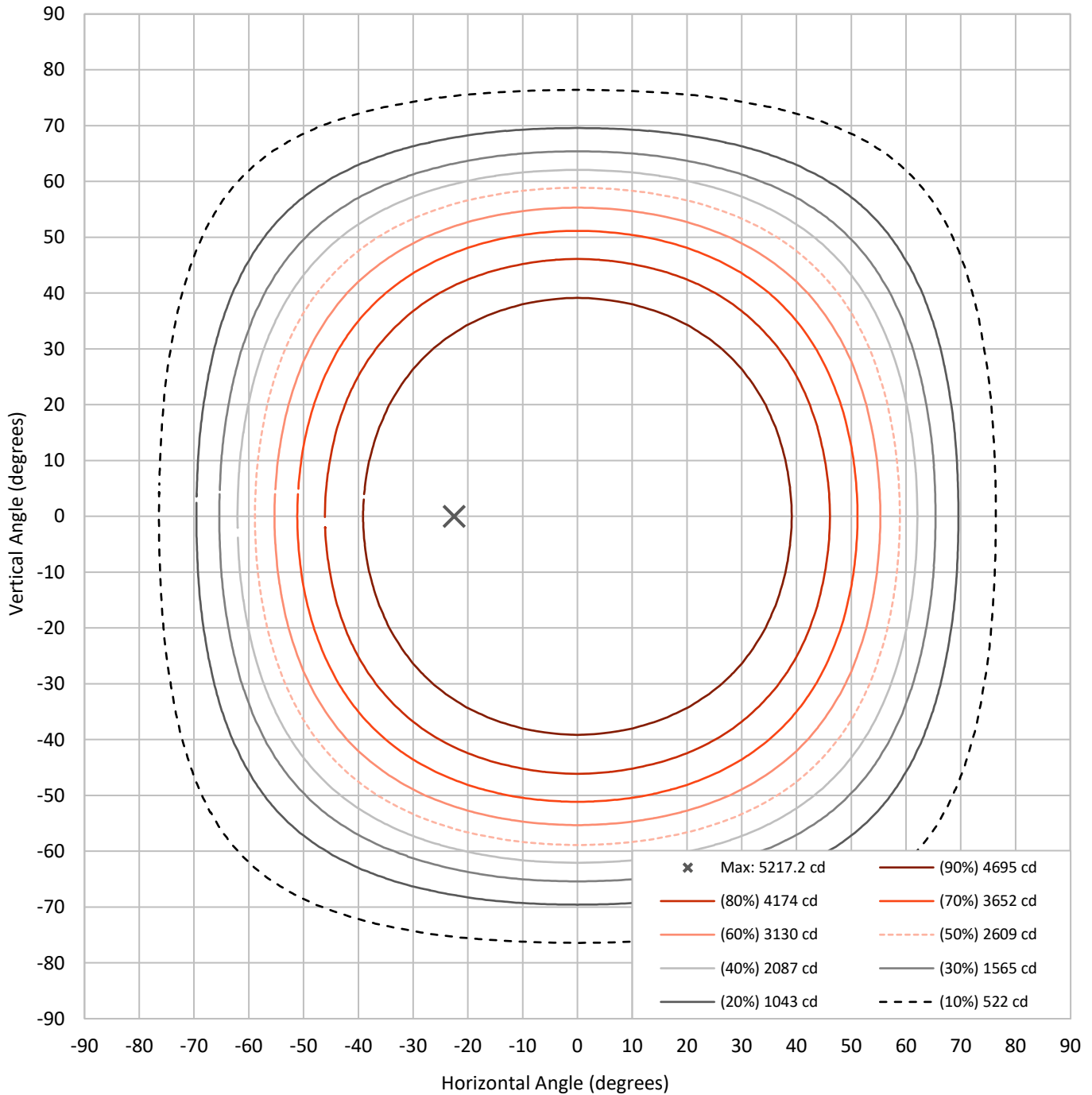
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	15959.7 lumens	Max Intensity:	5217.2 candela
Efficiency:	N/A	Max Intensity Angle:	-22.5°H x 0°V
Efficacy:	127.0 lumens/watt		
Luminous Opening:	Rectangular (W 1' 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:	13281.9 lumens	Field Lumens:	15645.8 lumens
Beam Efficiency:	83.2%	Field Efficiency:	98.0%
Input Watts (W):	125.7		
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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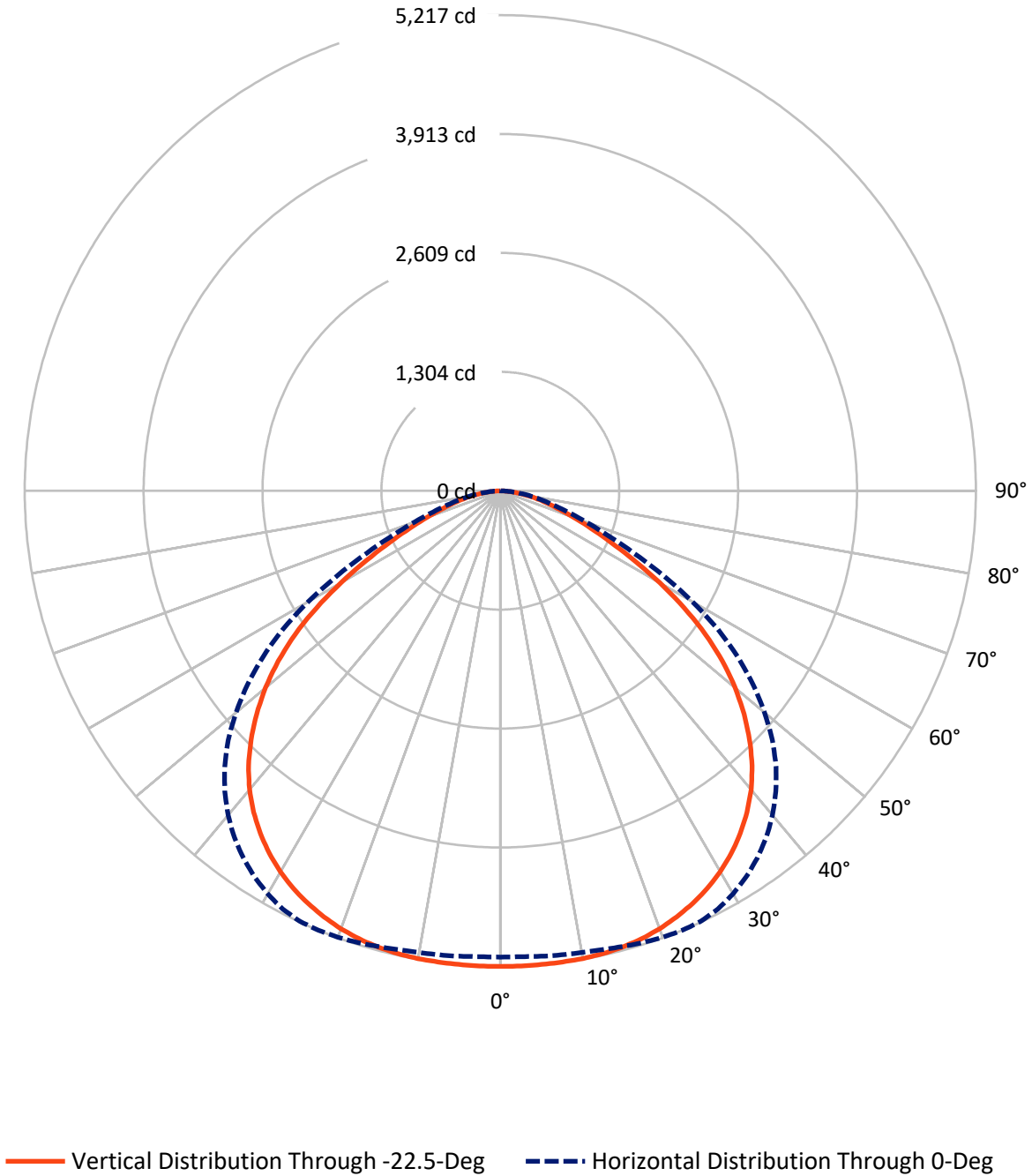
### Iso-Candela Plot





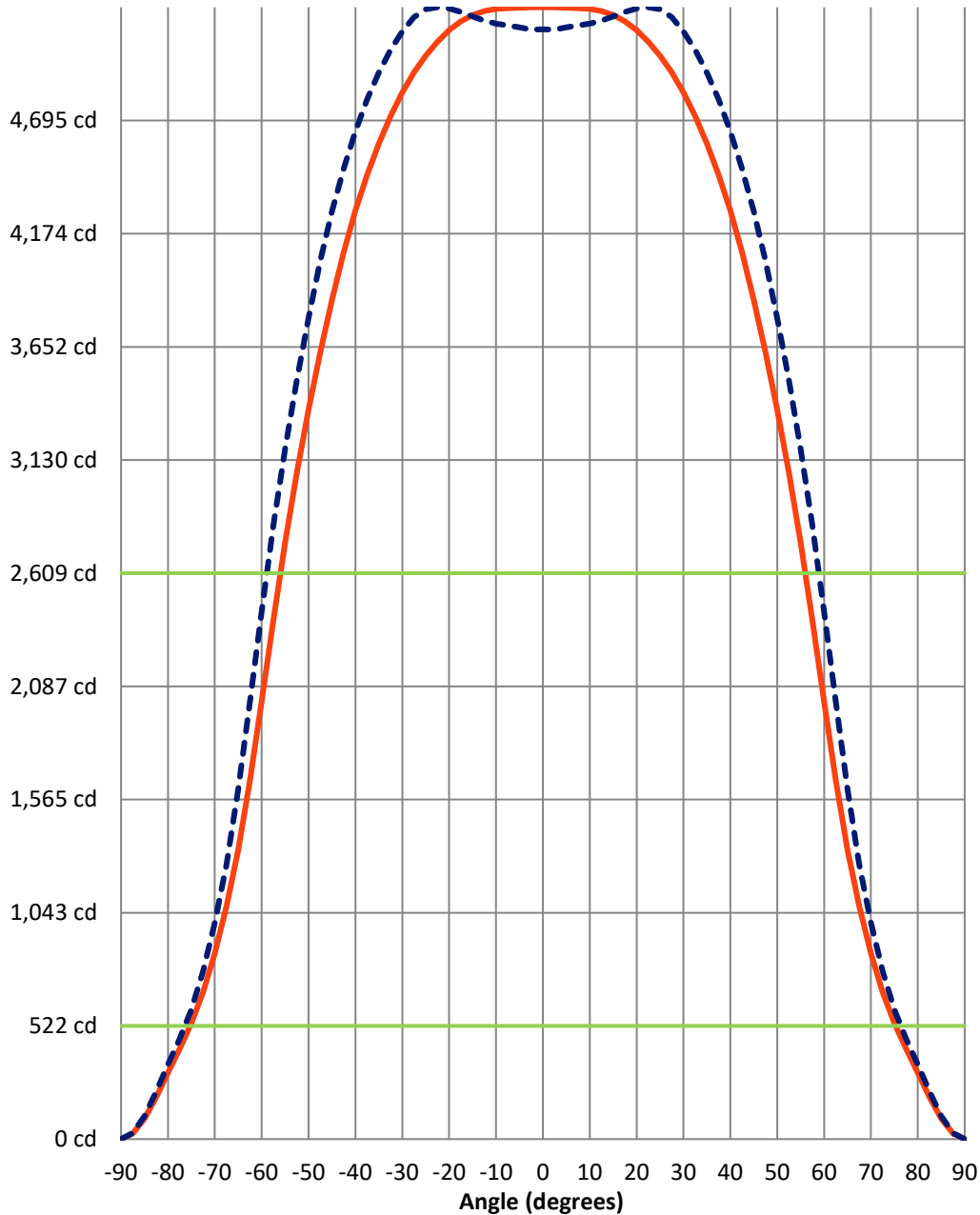
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 117.8°  
 V Angle: 112°  
 Lumens: 13281.9  
 Efficiency: 83.2%

**Field:**  
 H Angle: 152.8°  
 V Angle: 150.5°  
 Lumens: 15645.8  
 Efficiency: 98.0%

**Spill:**  
 Lumens: 313.9  
 Efficiency: 2.0%

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

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FIELD  
BEAM

**CANDELA DISTRIBUTION:**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	1.2	2.5	3.7	4.9	6.2	7.4	8.6	9.7	10.9	12.0
85°	0.0	2.5	5.0	7.4	9.9	12.3	14.7	17.1	19.5	21.8	24.1
82.5°	0.0	3.7	7.4	11.1	14.8	18.5	22.1	25.6	30.3	39.8	49.1
80°	0.0	4.9	9.9	14.8	19.7	24.6	30.9	43.8	56.6	69.2	81.6
77.5°	0.0	6.2	12.3	18.5	24.6	34.3	50.6	66.8	82.7	98.5	117.4
75°	0.0	7.4	14.7	22.1	30.9	50.6	70.2	89.5	109.8	137.1	164.0
72.5°	0.0	8.6	17.1	25.6	43.8	66.8	89.5	114.7	147.0	178.9	210.2
70°	0.0	9.7	19.5	30.3	56.6	82.7	109.8	147.0	183.8	220.2	259.5
67.5°	0.0	10.9	21.8	39.8	69.2	98.5	137.1	178.9	220.2	265.0	309.1
65°	0.0	12.0	24.1	49.1	81.6	117.4	164.0	210.2	259.5	309.1	357.3
62.5°	0.0	13.2	26.3	58.2	93.7	139.5	190.4	243.2	298.1	352.0	403.1
60°	0.0	14.2	28.5	67.1	105.6	161.0	216.3	276.3	336.0	392.6	448.1
57.5°	0.0	15.3	34.2	75.8	122.2	182.1	243.8	308.7	371.6	432.3	496.1
55°	0.0	16.3	39.9	84.2	138.6	202.5	270.8	340.2	406.0	472.1	544.8
52.5°	0.0	17.3	45.3	92.4	154.5	222.7	297.1	369.6	439.5	514.7	592.2
50°	0.0	18.3	50.6	100.4	169.9	243.9	322.5	398.0	473.2	556.2	651.1
47.5°	0.0	19.3	55.7	108.9	184.7	264.4	346.9	425.4	508.7	596.2	709.6
45°	0.0	20.1	60.6	119.6	199.0	284.1	369.5	451.8	543.0	646.6	766.1
42.5°	0.0	21.0	65.3	129.8	212.7	302.9	391.2	479.1	575.8	695.3	832.6
40°	0.0	21.8	69.8	139.6	226.4	320.9	411.8	506.5	610.5	741.9	898.4
37.5°	0.0	22.6	74.0	148.9	240.0	338.0	431.5	532.5	649.8	789.6	961.1
35°	0.0	23.3	78.0	157.6	252.9	353.7	450.1	557.2	687.0	842.8	1025.1
32.5°	0.0	24.0	81.8	165.9	265.1	368.2	468.2	580.5	722.0	893.0	1092.4
30°	0.0	24.7	85.3	173.6	276.4	381.8	486.8	603.8	754.9	940.0	1155.5
27.5°	0.0	25.3	88.6	180.7	286.9	394.4	504.0	630.3	788.4	983.7	1214.2
25°	0.0	25.8	91.6	187.3	296.6	406.0	519.9	654.8	823.9	1029.3	1269.0
22.5°	0.0	26.3	94.3	193.3	305.4	416.5	534.3	677.1	856.4	1073.4	1333.1
20°	0.0	26.8	96.8	198.6	313.3	426.1	547.3	697.1	885.7	1113.3	1390.9
17.5°	0.0	27.2	99.0	203.4	320.3	434.5	558.9	715.0	911.7	1148.7	1442.3
15°	0.0	27.5	100.9	207.6	326.5	441.8	568.9	730.5	934.3	1179.6	1487.2
12.5°	0.0	27.8	102.5	211.1	331.7	448.1	577.5	743.7	953.6	1205.8	1525.4
10°	0.0	28.1	103.8	214.0	336.0	453.2	584.5	754.6	969.5	1227.5	1556.9
7.5°	0.0	28.3	104.9	216.3	339.3	457.2	590.0	763.1	981.8	1244.3	1581.4
5°	0.0	28.4	105.6	217.9	341.7	460.1	594.0	769.1	990.7	1256.4	1599.0
2.5°	0.0	28.5	106.1	218.9	343.1	461.8	596.3	772.8	996.0	1263.7	1609.6
0°	0.0	28.5	106.2	219.2	343.6	462.4	597.1	774.0	997.8	1266.1	1613.1
-2.5°	0.0	28.5	106.1	218.9	343.1	461.8	596.3	772.8	996.0	1263.7	1609.6
-5°	0.0	28.4	105.6	217.9	341.7	460.1	594.0	769.1	990.7	1256.4	1599.0
-7.5°	0.0	28.3	104.9	216.3	339.3	457.2	590.0	763.1	981.8	1244.3	1581.4
-10°	0.0	28.1	103.8	214.0	336.0	453.2	584.5	754.6	969.5	1227.5	1556.9
-12.5°	0.0	27.8	102.5	211.1	331.7	448.1	577.5	743.7	953.6	1205.8	1525.4
-15°	0.0	27.5	100.9	207.6	326.5	441.8	568.9	730.5	934.3	1179.6	1487.2
-17.5°	0.0	27.2	99.0	203.4	320.3	434.5	558.9	715.0	911.7	1148.7	1442.3
-20°	0.0	26.8	96.8	198.6	313.3	426.1	547.3	697.1	885.7	1113.3	1390.9

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CATALOG NUMBER: GFLD-SA2E-740-U-LAM-XX

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	26.3	94.3	193.3	305.4	416.5	534.3	677.1	856.4	1073.4	1333.1
-25°	0.0	25.8	91.6	187.3	296.6	406.0	519.9	654.8	823.9	1029.3	1269.0
-27.5°	0.0	25.3	88.6	180.7	286.9	394.4	504.0	630.3	788.4	983.7	1214.2
-30°	0.0	24.7	85.3	173.6	276.4	381.8	486.8	603.8	754.9	940.0	1155.5
-32.5°	0.0	24.0	81.8	165.9	265.1	368.2	468.2	580.5	722.0	893.0	1092.4
-35°	0.0	23.3	78.0	157.6	252.9	353.7	450.1	557.2	687.0	842.8	1025.1
-37.5°	0.0	22.6	74.0	148.9	240.0	338.0	431.5	532.5	649.8	789.6	961.1
-40°	0.0	21.8	69.8	139.6	226.4	320.9	411.8	506.5	610.5	741.9	898.4
-42.5°	0.0	21.0	65.3	129.8	212.7	302.9	391.2	479.1	575.8	695.3	832.6
-45°	0.0	20.1	60.6	119.6	199.0	284.1	369.5	451.8	543.0	646.6	766.1
-47.5°	0.0	19.3	55.7	108.9	184.7	264.4	346.9	425.4	508.7	596.2	709.6
-50°	0.0	18.3	50.6	100.4	169.9	243.9	322.5	398.0	473.2	556.2	651.1
-52.5°	0.0	17.3	45.3	92.4	154.5	222.7	297.1	369.6	439.5	514.7	592.2
-55°	0.0	16.3	39.9	84.2	138.6	202.5	270.8	340.2	406.0	472.1	544.8
-57.5°	0.0	15.3	34.2	75.8	122.2	182.1	243.8	308.7	371.6	432.3	496.1
-60°	0.0	14.2	28.5	67.1	105.6	161.0	216.3	276.3	336.0	392.6	448.1
-62.5°	0.0	13.2	26.3	58.2	93.7	139.5	190.4	243.2	298.1	352.0	403.1
-65°	0.0	12.0	24.1	49.1	81.6	117.4	164.0	210.2	259.5	309.1	357.3
-67.5°	0.0	10.9	21.8	39.8	69.2	98.5	137.1	178.9	220.2	265.0	309.1
-70°	0.0	9.7	19.5	30.3	56.6	82.7	109.8	147.0	183.8	220.2	259.5
-72.5°	0.0	8.6	17.1	25.6	43.8	66.8	89.5	114.7	147.0	178.9	210.2
-75°	0.0	7.4	14.7	22.1	30.9	50.6	70.2	89.5	109.8	137.1	164.0
-77.5°	0.0	6.2	12.3	18.5	24.6	34.3	50.6	66.8	82.7	98.5	117.4
-80°	0.0	4.9	9.9	14.8	19.7	24.6	30.9	43.8	56.6	69.2	81.6
-82.5°	0.0	3.7	7.4	11.1	14.8	18.5	22.1	25.6	30.3	39.8	49.1
-85°	0.0	2.5	5.0	7.4	9.9	12.3	14.7	17.1	19.5	21.8	24.1
-87.5°	0.0	1.2	2.5	3.7	4.9	6.2	7.4	8.6	9.7	10.9	12.0
-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: P645400 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA2E-740-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°	13.2	14.2	15.3	16.3	17.3	18.3	19.3	20.1	21.0	21.8	22.6
85°	26.3	28.5	34.2	39.9	45.3	50.6	55.7	60.6	65.3	69.8	74.0
82.5°	58.2	67.1	75.8	84.2	92.4	100.4	108.9	119.6	129.8	139.6	148.9
80°	93.7	105.6	122.2	138.6	154.5	169.9	184.7	199.0	212.7	226.4	240.0
77.5°	139.5	161.0	182.1	202.5	222.7	243.9	264.4	284.1	302.9	320.9	338.0
75°	190.4	216.3	243.8	270.8	297.1	322.5	346.9	369.5	391.2	411.8	431.5
72.5°	243.2	276.3	308.7	340.2	369.6	398.0	425.4	451.8	479.1	506.5	532.5
70°	298.1	336.0	371.6	406.0	439.5	473.2	508.7	543.0	575.8	610.5	649.8
67.5°	352.0	392.6	432.3	472.1	514.7	556.2	596.2	646.6	695.3	741.9	789.6
65°	403.1	448.1	496.1	544.8	592.2	651.1	709.6	766.1	832.6	898.4	961.1
62.5°	453.4	508.1	562.9	622.4	690.9	757.4	834.6	913.4	989.2	1074.5	1157.6
60°	508.1	568.9	638.4	715.0	793.8	885.7	974.8	1073.4	1172.9	1269.0	1386.9
57.5°	562.9	638.4	723.0	814.3	916.5	1019.7	1135.6	1247.8	1382.3	1516.6	1650.3
55°	622.4	715.0	814.3	926.9	1044.7	1173.2	1307.6	1464.2	1615.8	1784.7	1946.5
52.5°	690.9	793.8	916.5	1044.7	1185.8	1340.5	1513.8	1693.2	1882.0	2065.4	2245.3
50°	757.4	885.7	1019.7	1173.2	1340.5	1530.4	1732.1	1941.0	2147.2	2348.3	2536.6
47.5°	834.6	974.8	1135.6	1307.6	1513.8	1732.1	1960.7	2188.3	2410.7	2617.0	2814.7
45°	913.4	1073.4	1247.8	1464.2	1693.2	1941.0	2188.3	2431.6	2657.5	2870.8	3057.3
42.5°	989.2	1172.9	1382.3	1615.8	1882.0	2147.2	2410.7	2657.5	2889.0	3094.4	3281.7
40°	1074.5	1269.0	1516.6	1784.7	2065.4	2348.3	2617.0	2870.8	3094.4	3298.8	3488.6
37.5°	1157.6	1386.9	1650.3	1946.5	2245.3	2536.6	2814.7	3057.3	3281.7	3488.6	3670.6
35°	1236.6	1499.0	1792.4	2103.2	2417.0	2713.2	2983.8	3230.8	3453.8	3654.5	3840.7
32.5°	1324.3	1605.0	1926.8	2253.9	2573.4	2875.1	3143.3	3384.9	3606.7	3810.5	3995.3
30°	1414.8	1719.3	2054.4	2395.7	2720.3	3015.4	3283.1	3527.8	3747.8	3949.1	4130.2
27.5°	1499.0	1827.1	2176.1	2524.1	2854.5	3146.9	3411.1	3652.1	3873.3	4075.9	4251.4
25°	1576.9	1926.8	2288.8	2641.6	2967.5	3260.6	3527.2	3768.0	3987.9	4182.4	4353.0
22.5°	1653.7	2018.2	2392.1	2749.4	3071.3	3362.2	3626.4	3867.8	4087.8	4280.5	4444.2
20°	1728.4	2103.2	2483.2	2845.0	3165.5	3454.6	3716.7	3957.6	4171.8	4358.3	4521.3
17.5°	1794.9	2179.0	2562.9	2922.2	3242.9	3533.4	3796.6	4038.3	4247.3	4428.5	4587.9
15°	1853.0	2245.3	2632.6	2989.8	3309.6	3598.9	3862.1	4101.1	4308.7	4488.4	4646.7
12.5°	1902.5	2301.8	2692.0	3047.5	3366.5	3654.9	3918.2	4153.9	4358.0	4535.4	4690.2
10°	1943.2	2348.3	2741.0	3095.1	3413.5	3701.2	3964.6	4197.6	4398.9	4574.4	4726.5
7.5°	1975.0	2384.6	2779.4	3132.3	3450.3	3737.5	4001.0	4231.9	4431.0	4605.2	4755.1
5°	1997.8	2410.7	2806.8	3159.0	3476.7	3763.6	4027.2	4256.6	4454.2	4627.3	4775.8
2.5°	2011.5	2426.4	2823.4	3175.1	3492.6	3779.3	4042.9	4271.5	4468.1	4640.7	4788.3
0°	2016.1	2431.6	2828.9	3180.5	3497.9	3784.5	4048.2	4276.5	4472.8	4645.2	4792.5
-2.5°	2011.5	2426.4	2823.4	3175.1	3492.6	3779.3	4042.9	4271.5	4468.1	4640.7	4788.3
-5°	1997.8	2410.7	2806.8	3159.0	3476.7	3763.6	4027.2	4256.6	4454.2	4627.3	4775.8
-7.5°	1975.0	2384.6	2779.4	3132.3	3450.3	3737.5	4001.0	4231.9	4431.0	4605.2	4755.1
-10°	1943.2	2348.3	2741.0	3095.1	3413.5	3701.2	3964.6	4197.6	4398.9	4574.4	4726.5
-12.5°	1902.5	2301.8	2692.0	3047.5	3366.5	3654.9	3918.2	4153.9	4358.0	4535.4	4690.2
-15°	1853.0	2245.3	2632.6	2989.8	3309.6	3598.9	3862.1	4101.1	4308.7	4488.4	4646.7
-17.5°	1794.9	2179.0	2562.9	2922.2	3242.9	3533.4	3796.6	4038.3	4247.3	4428.5	4587.9
-20°	1728.4	2103.2	2483.2	2845.0	3165.5	3454.6	3716.7	3957.6	4171.8	4358.3	4521.3



REPORT NUMBER: P645400 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA2E-740-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°	1653.7	2018.2	2392.1	2749.4	3071.3	3362.2	3626.4	3867.8	4087.8	4280.5	4444.2
-25°	1576.9	1926.8	2288.8	2641.6	2967.5	3260.6	3527.2	3768.0	3987.9	4182.4	4353.0
-27.5°	1499.0	1827.1	2176.1	2524.1	2854.5	3146.9	3411.1	3652.1	3873.3	4075.9	4251.4
-30°	1414.8	1719.3	2054.4	2395.7	2720.3	3015.4	3283.1	3527.8	3747.8	3949.1	4130.2
-32.5°	1324.3	1605.0	1926.8	2253.9	2573.4	2875.1	3143.3	3384.9	3606.7	3810.5	3995.3
-35°	1236.6	1499.0	1792.4	2103.2	2417.0	2713.2	2983.8	3230.8	3453.8	3654.5	3840.7
-37.5°	1157.6	1386.9	1650.3	1946.5	2245.3	2536.6	2814.7	3057.3	3281.7	3488.6	3670.6
-40°	1074.5	1269.0	1516.6	1784.7	2065.4	2348.3	2617.0	2870.8	3094.4	3298.8	3488.6
-42.5°	989.2	1172.9	1382.3	1615.8	1882.0	2147.2	2410.7	2657.5	2889.0	3094.4	3281.7
-45°	913.4	1073.4	1247.8	1464.2	1693.2	1941.0	2188.3	2431.6	2657.5	2870.8	3057.3
-47.5°	834.6	974.8	1135.6	1307.6	1513.8	1732.1	1960.7	2188.3	2410.7	2617.0	2814.7
-50°	757.4	885.7	1019.7	1173.2	1340.5	1530.4	1732.1	1941.0	2147.2	2348.3	2536.6
-52.5°	690.9	793.8	916.5	1044.7	1185.8	1340.5	1513.8	1693.2	1882.0	2065.4	2245.3
-55°	622.4	715.0	814.3	926.9	1044.7	1173.2	1307.6	1464.2	1615.8	1784.7	1946.5
-57.5°	562.9	638.4	723.0	814.3	916.5	1019.7	1135.6	1247.8	1382.3	1516.6	1650.3
-60°	508.1	568.9	638.4	715.0	793.8	885.7	974.8	1073.4	1172.9	1269.0	1386.9
-62.5°	453.4	508.1	562.9	622.4	690.9	757.4	834.6	913.4	989.2	1074.5	1157.6
-65°	403.1	448.1	496.1	544.8	592.2	651.1	709.6	766.1	832.6	898.4	961.1
-67.5°	352.0	392.6	432.3	472.1	514.7	556.2	596.2	646.6	695.3	741.9	789.6
-70°	298.1	336.0	371.6	406.0	439.5	473.2	508.7	543.0	575.8	610.5	649.8
-72.5°	243.2	276.3	308.7	340.2	369.6	398.0	425.4	451.8	479.1	506.5	532.5
-75°	190.4	216.3	243.8	270.8	297.1	322.5	346.9	369.5	391.2	411.8	431.5
-77.5°	139.5	161.0	182.1	202.5	222.7	243.9	264.4	284.1	302.9	320.9	338.0
-80°	93.7	105.6	122.2	138.6	154.5	169.9	184.7	199.0	212.7	226.4	240.0
-82.5°	58.2	67.1	75.8	84.2	92.4	100.4	108.9	119.6	129.8	139.6	148.9
-85°	26.3	28.5	34.2	39.9	45.3	50.6	55.7	60.6	65.3	69.8	74.0
-87.5°	13.2	14.2	15.3	16.3	17.3	18.3	19.3	20.1	21.0	21.8	22.6
-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: P645400 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA2E-740-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°	23.3	24.0	24.7	25.3	25.8	26.3	26.8	27.2	27.5	27.8	28.1
85°	78.0	81.8	85.3	88.6	91.6	94.3	96.8	99.0	100.9	102.5	103.8
82.5°	157.6	165.9	173.6	180.7	187.3	193.3	198.6	203.4	207.6	211.1	214.0
80°	252.9	265.1	276.4	286.9	296.6	305.4	313.3	320.3	326.5	331.7	336.0
77.5°	353.7	368.2	381.8	394.4	406.0	416.5	426.1	434.5	441.8	448.1	453.2
75°	450.1	468.2	486.8	504.0	519.9	534.3	547.3	558.9	568.9	577.5	584.5
72.5°	557.2	580.5	603.8	630.3	654.8	677.1	697.1	715.0	730.5	743.7	754.6
70°	687.0	722.0	754.9	788.4	823.9	856.4	885.7	911.7	934.3	953.6	969.5
67.5°	842.8	893.0	940.0	983.7	1029.3	1073.4	1113.3	1148.7	1179.6	1205.8	1227.5
65°	1025.1	1092.4	1155.5	1214.2	1269.0	1333.1	1390.9	1442.3	1487.2	1525.4	1556.9
62.5°	1236.6	1324.3	1414.8	1499.0	1576.9	1653.7	1728.4	1794.9	1853.0	1902.5	1943.2
60°	1499.0	1605.0	1719.3	1827.1	1926.8	2018.2	2103.2	2179.0	2245.3	2301.8	2348.3
57.5°	1792.4	1926.8	2054.4	2176.1	2288.8	2392.1	2483.2	2562.9	2632.6	2692.0	2741.0
55°	2103.2	2253.9	2395.7	2524.1	2641.6	2749.4	2845.0	2922.2	2989.8	3047.5	3095.1
52.5°	2417.0	2573.4	2720.3	2854.5	2967.5	3071.3	3165.5	3242.9	3309.6	3366.5	3413.5
50°	2713.2	2875.1	3015.4	3146.9	3260.6	3362.2	3454.6	3533.4	3598.9	3654.9	3701.2
47.5°	2983.8	3143.3	3283.1	3411.1	3527.2	3626.4	3716.7	3796.6	3862.1	3918.2	3964.6
45°	3230.8	3384.9	3527.8	3652.1	3768.0	3867.8	3957.6	4038.3	4101.1	4153.9	4197.6
42.5°	3453.8	3606.7	3747.8	3873.3	3987.9	4087.8	4171.8	4247.3	4308.7	4358.0	4398.9
40°	3654.5	3810.5	3949.1	4075.9	4182.4	4280.5	4358.3	4428.5	4488.4	4535.4	4574.4
37.5°	3840.7	3995.3	4130.2	4251.4	4353.0	4444.2	4521.3	4587.9	4646.7	4690.2	4726.5
35°	4010.8	4157.7	4291.2	4402.3	4502.9	4588.8	4664.7	4726.2	4780.8	4822.3	4855.4
32.5°	4157.7	4303.3	4427.2	4536.6	4634.9	4715.1	4787.9	4844.2	4893.8	4933.7	4964.4
30°	4291.2	4427.2	4548.0	4656.4	4746.0	4824.1	4889.6	4944.5	4990.3	5028.4	5055.4
27.5°	4402.3	4536.6	4656.4	4756.3	4842.0	4917.2	4977.2	5030.1	5070.1	5105.1	5128.4
25°	4502.9	4634.9	4746.0	4842.0	4925.2	4993.8	5050.9	5098.9	5134.3	5164.3	5181.7
22.5°	4588.8	4715.1	4824.1	4917.2	4993.8	5058.0	5111.8	5152.4	5181.4	5199.6	5209.9
20°	4664.7	4787.9	4889.6	4977.2	5050.9	5111.8	5158.5	5188.5	5208.8	5213.7	5216.7
17.5°	4726.2	4844.2	4944.5	5030.1	5098.9	5152.4	5188.5	5209.7	5215.8	5214.7	5211.7
15°	4780.8	4893.8	4990.3	5070.1	5134.3	5181.4	5208.8	5215.8	5214.0	5207.9	5198.5
12.5°	4822.3	4933.7	5028.4	5105.1	5164.3	5199.6	5213.7	5214.7	5207.9	5196.2	5182.8
10°	4855.4	4964.4	5055.4	5128.4	5181.7	5209.9	5216.7	5211.7	5198.5	5182.8	5168.0
7.5°	4881.6	4988.8	5077.0	5146.9	5193.0	5213.0	5214.5	5205.1	5189.2	5171.4	5155.4
5°	4900.5	5006.5	5092.6	5160.5	5201.3	5215.3	5212.8	5199.8	5181.4	5162.9	5148.2
2.5°	4912.0	5017.2	5102.1	5168.7	5206.4	5216.7	5211.8	5196.6	5176.6	5157.4	5143.5
0°	4915.8	5020.8	5105.3	5171.5	5208.1	5217.2	5211.5	5195.5	5174.9	5155.5	5141.8
-2.5°	4912.0	5017.2	5102.1	5168.7	5206.4	5216.7	5211.8	5196.6	5176.6	5157.4	5143.5
-5°	4900.5	5006.5	5092.6	5160.5	5201.3	5215.3	5212.8	5199.8	5181.4	5162.9	5148.2
-7.5°	4881.6	4988.8	5077.0	5146.9	5193.0	5213.0	5214.5	5205.1	5189.2	5171.4	5155.4
-10°	4855.4	4964.4	5055.4	5128.4	5181.7	5209.9	5216.7	5211.7	5198.5	5182.8	5168.0
-12.5°	4822.3	4933.7	5028.4	5105.1	5164.3	5199.6	5213.7	5214.7	5207.9	5196.2	5182.8
-15°	4780.8	4893.8	4990.3	5070.1	5134.3	5181.4	5208.8	5215.8	5214.0	5207.9	5198.5
-17.5°	4726.2	4844.2	4944.5	5030.1	5098.9	5152.4	5188.5	5209.7	5215.8	5214.7	5211.7
-20°	4664.7	4787.9	4889.6	4977.2	5050.9	5111.8	5158.5	5188.5	5208.8	5213.7	5216.7



REPORT NUMBER: P645400 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA2E-740-U-LAM-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	4588.8	4715.1	4824.1	4917.2	4993.8	5058.0	5111.8	5152.4	5181.4	5199.6	5209.9
-25°	4502.9	4634.9	4746.0	4842.0	4925.2	4993.8	5050.9	5098.9	5134.3	5164.3	5181.7
-27.5°	4402.3	4536.6	4656.4	4756.3	4842.0	4917.2	4977.2	5030.1	5070.1	5105.1	5128.4
-30°	4291.2	4427.2	4548.0	4656.4	4746.0	4824.1	4889.6	4944.5	4990.3	5028.4	5055.4
-32.5°	4157.7	4303.3	4427.2	4536.6	4634.9	4715.1	4787.9	4844.2	4893.8	4933.7	4964.4
-35°	4010.8	4157.7	4291.2	4402.3	4502.9	4588.8	4664.7	4726.2	4780.8	4822.3	4855.4
-37.5°	3840.7	3995.3	4130.2	4251.4	4353.0	4444.2	4521.3	4587.9	4646.7	4690.2	4726.5
-40°	3654.5	3810.5	3949.1	4075.9	4182.4	4280.5	4358.3	4428.5	4488.4	4535.4	4574.4
-42.5°	3453.8	3606.7	3747.8	3873.3	3987.9	4087.8	4171.8	4247.3	4308.7	4358.0	4398.9
-45°	3230.8	3384.9	3527.8	3652.1	3768.0	3867.8	3957.6	4038.3	4101.1	4153.9	4197.6
-47.5°	2983.8	3143.3	3283.1	3411.1	3527.2	3626.4	3716.7	3796.6	3862.1	3918.2	3964.6
-50°	2713.2	2875.1	3015.4	3146.9	3260.6	3362.2	3454.6	3533.4	3598.9	3654.9	3701.2
-52.5°	2417.0	2573.4	2720.3	2854.5	2967.5	3071.3	3165.5	3242.9	3309.6	3366.5	3413.5
-55°	2103.2	2253.9	2395.7	2524.1	2641.6	2749.4	2845.0	2922.2	2989.8	3047.5	3095.1
-57.5°	1792.4	1926.8	2054.4	2176.1	2288.8	2392.1	2483.2	2562.9	2632.6	2692.0	2741.0
-60°	1499.0	1605.0	1719.3	1827.1	1926.8	2018.2	2103.2	2179.0	2245.3	2301.8	2348.3
-62.5°	1236.6	1324.3	1414.8	1499.0	1576.9	1653.7	1728.4	1794.9	1853.0	1902.5	1943.2
-65°	1025.1	1092.4	1155.5	1214.2	1269.0	1333.1	1390.9	1442.3	1487.2	1525.4	1556.9
-67.5°	842.8	893.0	940.0	983.7	1029.3	1073.4	1113.3	1148.7	1179.6	1205.8	1227.5
-70°	687.0	722.0	754.9	788.4	823.9	856.4	885.7	911.7	934.3	953.6	969.5
-72.5°	557.2	580.5	603.8	630.3	654.8	677.1	697.1	715.0	730.5	743.7	754.6
-75°	450.1	468.2	486.8	504.0	519.9	534.3	547.3	558.9	568.9	577.5	584.5
-77.5°	353.7	368.2	381.8	394.4	406.0	416.5	426.1	434.5	441.8	448.1	453.2
-80°	252.9	265.1	276.4	286.9	296.6	305.4	313.3	320.3	326.5	331.7	336.0
-82.5°	157.6	165.9	173.6	180.7	187.3	193.3	198.6	203.4	207.6	211.1	214.0
-85°	78.0	81.8	85.3	88.6	91.6	94.3	96.8	99.0	100.9	102.5	103.8
-87.5°	23.3	24.0	24.7	25.3	25.8	26.3	26.8	27.2	27.5	27.8	28.1
-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: P645400 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA2E-740-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°	28.3	28.4	28.5	28.5	28.5	28.4	28.3	28.1	27.8	27.5	27.2
85°	104.9	105.6	106.1	106.2	106.1	105.6	104.9	103.8	102.5	100.9	99.0
82.5°	216.3	217.9	218.9	219.2	218.9	217.9	216.3	214.0	211.1	207.6	203.4
80°	339.3	341.7	343.1	343.6	343.1	341.7	339.3	336.0	331.7	326.5	320.3
77.5°	457.2	460.1	461.8	462.4	461.8	460.1	457.2	453.2	448.1	441.8	434.5
75°	590.0	594.0	596.3	597.1	596.3	594.0	590.0	584.5	577.5	568.9	558.9
72.5°	763.1	769.1	772.8	774.0	772.8	769.1	763.1	754.6	743.7	730.5	715.0
70°	981.8	990.7	996.0	997.8	996.0	990.7	981.8	969.5	953.6	934.3	911.7
67.5°	1244.3	1256.4	1263.7	1266.1	1263.7	1256.4	1244.3	1227.5	1205.8	1179.6	1148.7
65°	1581.4	1599.0	1609.6	1613.1	1609.6	1599.0	1581.4	1556.9	1525.4	1487.2	1442.3
62.5°	1975.0	1997.8	2011.5	2016.1	2011.5	1997.8	1975.0	1943.2	1902.5	1853.0	1794.9
60°	2384.6	2410.7	2426.4	2431.6	2426.4	2410.7	2384.6	2348.3	2301.8	2245.3	2179.0
57.5°	2779.4	2806.8	2823.4	2828.9	2823.4	2806.8	2779.4	2741.0	2692.0	2632.6	2562.9
55°	3132.3	3159.0	3175.1	3180.5	3175.1	3159.0	3132.3	3095.1	3047.5	2989.8	2922.2
52.5°	3450.3	3476.7	3492.6	3497.9	3492.6	3476.7	3450.3	3413.5	3366.5	3309.6	3242.9
50°	3737.5	3763.6	3779.3	3784.5	3779.3	3763.6	3737.5	3701.2	3654.9	3598.9	3533.4
47.5°	4001.0	4027.2	4042.9	4048.2	4042.9	4027.2	4001.0	3964.6	3918.2	3862.1	3796.6
45°	4231.9	4256.6	4271.5	4276.5	4271.5	4256.6	4231.9	4197.6	4153.9	4101.1	4038.3
42.5°	4431.0	4454.2	4468.1	4472.8	4468.1	4454.2	4431.0	4398.9	4358.0	4308.7	4247.3
40°	4605.2	4627.3	4640.7	4645.2	4640.7	4627.3	4605.2	4574.4	4535.4	4488.4	4428.5
37.5°	4755.1	4775.8	4788.3	4792.5	4788.3	4775.8	4755.1	4726.5	4690.2	4646.7	4587.9
35°	4881.6	4900.5	4912.0	4915.8	4912.0	4900.5	4881.6	4855.4	4822.3	4780.8	4726.2
32.5°	4988.8	5006.5	5017.2	5020.8	5017.2	5006.5	4988.8	4964.4	4933.7	4893.8	4844.2
30°	5077.0	5092.6	5102.1	5105.3	5102.1	5092.6	5077.0	5055.4	5028.4	4990.3	4944.5
27.5°	5146.9	5160.5	5168.7	5171.5	5168.7	5160.5	5146.9	5128.4	5105.1	5070.1	5030.1
25°	5193.0	5201.3	5206.4	5208.1	5206.4	5201.3	5193.0	5181.7	5164.3	5134.3	5098.9
22.5°	5213.0	5215.3	5216.7	5217.2	5216.7	5215.3	5213.0	5209.9	5199.6	5181.4	5152.4
20°	5214.5	5212.8	5211.8	5211.5	5211.8	5212.8	5214.5	5216.7	5213.7	5208.8	5188.5
17.5°	5205.1	5199.8	5196.6	5195.5	5196.6	5199.8	5205.1	5211.7	5214.7	5215.8	5209.7
15°	5189.2	5181.4	5176.6	5174.9	5176.6	5181.4	5189.2	5198.5	5207.9	5214.0	5215.8
12.5°	5171.4	5162.9	5157.4	5155.5	5157.4	5162.9	5171.4	5182.8	5196.2	5207.9	5214.7
10°	5155.4	5148.2	5143.5	5141.8	5143.5	5148.2	5155.4	5168.0	5182.8	5198.5	5211.7
7.5°	5145.0	5138.6	5135.1	5133.8	5135.1	5138.6	5145.0	5155.4	5171.4	5189.2	5205.1
5°	5138.6	5132.2	5126.8	5124.7	5126.8	5132.2	5138.6	5148.2	5162.9	5181.4	5199.8
2.5°	5135.1	5126.8	5118.7	5114.4	5118.7	5126.8	5135.1	5143.5	5157.4	5176.6	5196.6
0°	5133.8	5124.7	5114.4	5115.6	5114.4	5124.7	5133.8	5141.8	5155.5	5174.9	5195.5
-2.5°	5135.1	5126.8	5118.7	5114.4	5118.7	5126.8	5135.1	5143.5	5157.4	5176.6	5196.6
-5°	5138.6	5132.2	5126.8	5124.7	5126.8	5132.2	5138.6	5148.2	5162.9	5181.4	5199.8
-7.5°	5145.0	5138.6	5135.1	5133.8	5135.1	5138.6	5145.0	5155.4	5171.4	5189.2	5205.1
-10°	5155.4	5148.2	5143.5	5141.8	5143.5	5148.2	5155.4	5168.0	5182.8	5198.5	5211.7
-12.5°	5171.4	5162.9	5157.4	5155.5	5157.4	5162.9	5171.4	5182.8	5196.2	5207.9	5214.7
-15°	5189.2	5181.4	5176.6	5174.9	5176.6	5181.4	5189.2	5198.5	5207.9	5214.0	5215.8
-17.5°	5205.1	5199.8	5196.6	5195.5	5196.6	5199.8	5205.1	5211.7	5214.7	5215.8	5209.7
-20°	5214.5	5212.8	5211.8	5211.5	5211.8	5212.8	5214.5	5216.7	5213.7	5208.8	5188.5

Classified

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

Scaled Data Report



REPORT NUMBER: P645400 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA2E-740-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°	5213.0	5215.3	5216.7	5217.2	5216.7	5215.3	5213.0	5209.9	5199.6	5181.4	5152.4
-25°	5193.0	5201.3	5206.4	5208.1	5206.4	5201.3	5193.0	5181.7	5164.3	5134.3	5098.9
-27.5°	5146.9	5160.5	5168.7	5171.5	5168.7	5160.5	5146.9	5128.4	5105.1	5070.1	5030.1
-30°	5077.0	5092.6	5102.1	5105.3	5102.1	5092.6	5077.0	5055.4	5028.4	4990.3	4944.5
-32.5°	4988.8	5006.5	5017.2	5020.8	5017.2	5006.5	4988.8	4964.4	4933.7	4893.8	4844.2
-35°	4881.6	4900.5	4912.0	4915.8	4912.0	4900.5	4881.6	4855.4	4822.3	4780.8	4726.2
-37.5°	4755.1	4775.8	4788.3	4792.5	4788.3	4775.8	4755.1	4726.5	4690.2	4646.7	4587.9
-40°	4605.2	4627.3	4640.7	4645.2	4640.7	4627.3	4605.2	4574.4	4535.4	4488.4	4428.5
-42.5°	4431.0	4454.2	4468.1	4472.8	4468.1	4454.2	4431.0	4398.9	4358.0	4308.7	4247.3
-45°	4231.9	4256.6	4271.5	4276.5	4271.5	4256.6	4231.9	4197.6	4153.9	4101.1	4038.3
-47.5°	4001.0	4027.2	4042.9	4048.2	4042.9	4027.2	4001.0	3964.6	3918.2	3862.1	3796.6
-50°	3737.5	3763.6	3779.3	3784.5	3779.3	3763.6	3737.5	3701.2	3654.9	3598.9	3533.4
-52.5°	3450.3	3476.7	3492.6	3497.9	3492.6	3476.7	3450.3	3413.5	3366.5	3309.6	3242.9
-55°	3132.3	3159.0	3175.1	3180.5	3175.1	3159.0	3132.3	3095.1	3047.5	2989.8	2922.2
-57.5°	2779.4	2806.8	2823.4	2828.9	2823.4	2806.8	2779.4	2741.0	2692.0	2632.6	2562.9
-60°	2384.6	2410.7	2426.4	2431.6	2426.4	2410.7	2384.6	2348.3	2301.8	2245.3	2179.0
-62.5°	1975.0	1997.8	2011.5	2016.1	2011.5	1997.8	1975.0	1943.2	1902.5	1853.0	1794.9
-65°	1581.4	1599.0	1609.6	1613.1	1609.6	1599.0	1581.4	1556.9	1525.4	1487.2	1442.3
-67.5°	1244.3	1256.4	1263.7	1266.1	1263.7	1256.4	1244.3	1227.5	1205.8	1179.6	1148.7
-70°	981.8	990.7	996.0	997.8	996.0	990.7	981.8	969.5	953.6	934.3	911.7
-72.5°	763.1	769.1	772.8	774.0	772.8	769.1	763.1	754.6	743.7	730.5	715.0
-75°	590.0	594.0	596.3	597.1	596.3	594.0	590.0	584.5	577.5	568.9	558.9
-77.5°	457.2	460.1	461.8	462.4	461.8	460.1	457.2	453.2	448.1	441.8	434.5
-80°	339.3	341.7	343.1	343.6	343.1	341.7	339.3	336.0	331.7	326.5	320.3
-82.5°	216.3	217.9	218.9	219.2	218.9	217.9	216.3	214.0	211.1	207.6	203.4
-85°	104.9	105.6	106.1	106.2	106.1	105.6	104.9	103.8	102.5	100.9	99.0
-87.5°	28.3	28.4	28.5	28.5	28.5	28.4	28.3	28.1	27.8	27.5	27.2
-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: P645400 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA2E-740-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°	26.8	26.3	25.8	25.3	24.7	24.0	23.3	22.6	21.8	21.0	20.1
85°	96.8	94.3	91.6	88.6	85.3	81.8	78.0	74.0	69.8	65.3	60.6
82.5°	198.6	193.3	187.3	180.7	173.6	165.9	157.6	148.9	139.6	129.8	119.6
80°	313.3	305.4	296.6	286.9	276.4	265.1	252.9	240.0	226.4	212.7	199.0
77.5°	426.1	416.5	406.0	394.4	381.8	368.2	353.7	338.0	320.9	302.9	284.1
75°	547.3	534.3	519.9	504.0	486.8	468.2	450.1	431.5	411.8	391.2	369.5
72.5°	697.1	677.1	654.8	630.3	603.8	580.5	557.2	532.5	506.5	479.1	451.8
70°	885.7	856.4	823.9	788.4	754.9	722.0	687.0	649.8	610.5	575.8	543.0
67.5°	1113.3	1073.4	1029.3	983.7	940.0	893.0	842.8	789.6	741.9	695.3	646.6
65°	1390.9	1333.1	1269.0	1214.2	1155.5	1092.4	1025.1	961.1	898.4	832.6	766.1
62.5°	1728.4	1653.7	1576.9	1499.0	1414.8	1324.3	1236.6	1157.6	1074.5	989.2	913.4
60°	2103.2	2018.2	1926.8	1827.1	1719.3	1605.0	1499.0	1386.9	1269.0	1172.9	1073.4
57.5°	2483.2	2392.1	2288.8	2176.1	2054.4	1926.8	1792.4	1650.3	1516.6	1382.3	1247.8
55°	2845.0	2749.4	2641.6	2524.1	2395.7	2253.9	2103.2	1946.5	1784.7	1615.8	1464.2
52.5°	3165.5	3071.3	2967.5	2854.5	2720.3	2573.4	2417.0	2245.3	2065.4	1882.0	1693.2
50°	3454.6	3362.2	3260.6	3146.9	3015.4	2875.1	2713.2	2536.6	2348.3	2147.2	1941.0
47.5°	3716.7	3626.4	3527.2	3411.1	3283.1	3143.3	2983.8	2814.7	2617.0	2410.7	2188.3
45°	3957.6	3867.8	3768.0	3652.1	3527.8	3384.9	3230.8	3057.3	2870.8	2657.5	2431.6
42.5°	4171.8	4087.8	3987.9	3873.3	3747.8	3606.7	3453.8	3281.7	3094.4	2889.0	2657.5
40°	4358.3	4280.5	4182.4	4075.9	3949.1	3810.5	3654.5	3488.6	3298.8	3094.4	2870.8
37.5°	4521.3	4444.2	4353.0	4251.4	4130.2	3995.3	3840.7	3670.6	3488.6	3281.7	3057.3
35°	4664.7	4588.8	4502.9	4402.3	4291.2	4157.7	4010.8	3840.7	3654.5	3453.8	3230.8
32.5°	4787.9	4715.1	4634.9	4536.6	4427.2	4303.3	4157.7	3995.3	3810.5	3606.7	3384.9
30°	4889.6	4824.1	4746.0	4656.4	4548.0	4427.2	4291.2	4130.2	3949.1	3747.8	3527.8
27.5°	4977.2	4917.2	4842.0	4756.3	4656.4	4536.6	4402.3	4251.4	4075.9	3873.3	3652.1
25°	5050.9	4993.8	4925.2	4842.0	4746.0	4634.9	4502.9	4353.0	4182.4	3987.9	3768.0
22.5°	5111.8	5058.0	4993.8	4917.2	4824.1	4715.1	4588.8	4444.2	4280.5	4087.8	3867.8
20°	5158.5	5111.8	5050.9	4977.2	4889.6	4787.9	4664.7	4521.3	4358.3	4171.8	3957.6
17.5°	5188.5	5152.4	5098.9	5030.1	4944.5	4844.2	4726.2	4587.9	4428.5	4247.3	4038.3
15°	5208.8	5181.4	5134.3	5070.1	4990.3	4893.8	4780.8	4646.7	4488.4	4308.7	4101.1
12.5°	5213.7	5199.6	5164.3	5105.1	5028.4	4933.7	4822.3	4690.2	4535.4	4358.0	4153.9
10°	5216.7	5209.9	5181.7	5128.4	5055.4	4964.4	4855.4	4726.5	4574.4	4398.9	4197.6
7.5°	5214.5	5213.0	5193.0	5146.9	5077.0	4988.8	4881.6	4755.1	4605.2	4431.0	4231.9
5°	5212.8	5215.3	5201.3	5160.5	5092.6	5006.5	4900.5	4775.8	4627.3	4454.2	4256.6
2.5°	5211.8	5216.7	5206.4	5168.7	5102.1	5017.2	4912.0	4788.3	4640.7	4468.1	4271.5
0°	5211.5	5217.2	5208.1	5171.5	5105.3	5020.8	4915.8	4792.5	4645.2	4472.8	4276.5
-2.5°	5211.8	5216.7	5206.4	5168.7	5102.1	5017.2	4912.0	4788.3	4640.7	4468.1	4271.5
-5°	5212.8	5215.3	5201.3	5160.5	5092.6	5006.5	4900.5	4775.8	4627.3	4454.2	4256.6
-7.5°	5214.5	5213.0	5193.0	5146.9	5077.0	4988.8	4881.6	4755.1	4605.2	4431.0	4231.9
-10°	5216.7	5209.9	5181.7	5128.4	5055.4	4964.4	4855.4	4726.5	4574.4	4398.9	4197.6
-12.5°	5213.7	5199.6	5164.3	5105.1	5028.4	4933.7	4822.3	4690.2	4535.4	4358.0	4153.9
-15°	5208.8	5181.4	5134.3	5070.1	4990.3	4893.8	4780.8	4646.7	4488.4	4308.7	4101.1
-17.5°	5188.5	5152.4	5098.9	5030.1	4944.5	4844.2	4726.2	4587.9	4428.5	4247.3	4038.3
-20°	5158.5	5111.8	5050.9	4977.2	4889.6	4787.9	4664.7	4521.3	4358.3	4171.8	3957.6



REPORT NUMBER: P645400 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA2E-740-U-LAM-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	5111.8	5058.0	4993.8	4917.2	4824.1	4715.1	4588.8	4444.2	4280.5	4087.8	3867.8
-25°	5050.9	4993.8	4925.2	4842.0	4746.0	4634.9	4502.9	4353.0	4182.4	3987.9	3768.0
-27.5°	4977.2	4917.2	4842.0	4756.3	4656.4	4536.6	4402.3	4251.4	4075.9	3873.3	3652.1
-30°	4889.6	4824.1	4746.0	4656.4	4548.0	4427.2	4291.2	4130.2	3949.1	3747.8	3527.8
-32.5°	4787.9	4715.1	4634.9	4536.6	4427.2	4303.3	4157.7	3995.3	3810.5	3606.7	3384.9
-35°	4664.7	4588.8	4502.9	4402.3	4291.2	4157.7	4010.8	3840.7	3654.5	3453.8	3230.8
-37.5°	4521.3	4444.2	4353.0	4251.4	4130.2	3995.3	3840.7	3670.6	3488.6	3281.7	3057.3
-40°	4358.3	4280.5	4182.4	4075.9	3949.1	3810.5	3654.5	3488.6	3298.8	3094.4	2870.8
-42.5°	4171.8	4087.8	3987.9	3873.3	3747.8	3606.7	3453.8	3281.7	3094.4	2889.0	2657.5
-45°	3957.6	3867.8	3768.0	3652.1	3527.8	3384.9	3230.8	3057.3	2870.8	2657.5	2431.6
-47.5°	3716.7	3626.4	3527.2	3411.1	3283.1	3143.3	2983.8	2814.7	2617.0	2410.7	2188.3
-50°	3454.6	3362.2	3260.6	3146.9	3015.4	2875.1	2713.2	2536.6	2348.3	2147.2	1941.0
-52.5°	3165.5	3071.3	2967.5	2854.5	2720.3	2573.4	2417.0	2245.3	2065.4	1882.0	1693.2
-55°	2845.0	2749.4	2641.6	2524.1	2395.7	2253.9	2103.2	1946.5	1784.7	1615.8	1464.2
-57.5°	2483.2	2392.1	2288.8	2176.1	2054.4	1926.8	1792.4	1650.3	1516.6	1382.3	1247.8
-60°	2103.2	2018.2	1926.8	1827.1	1719.3	1605.0	1499.0	1386.9	1269.0	1172.9	1073.4
-62.5°	1728.4	1653.7	1576.9	1499.0	1414.8	1324.3	1236.6	1157.6	1074.5	989.2	913.4
-65°	1390.9	1333.1	1269.0	1214.2	1155.5	1092.4	1025.1	961.1	898.4	832.6	766.1
-67.5°	1113.3	1073.4	1029.3	983.7	940.0	893.0	842.8	789.6	741.9	695.3	646.6
-70°	885.7	856.4	823.9	788.4	754.9	722.0	687.0	649.8	610.5	575.8	543.0
-72.5°	697.1	677.1	654.8	630.3	603.8	580.5	557.2	532.5	506.5	479.1	451.8
-75°	547.3	534.3	519.9	504.0	486.8	468.2	450.1	431.5	411.8	391.2	369.5
-77.5°	426.1	416.5	406.0	394.4	381.8	368.2	353.7	338.0	320.9	302.9	284.1
-80°	313.3	305.4	296.6	286.9	276.4	265.1	252.9	240.0	226.4	212.7	199.0
-82.5°	198.6	193.3	187.3	180.7	173.6	165.9	157.6	148.9	139.6	129.8	119.6
-85°	96.8	94.3	91.6	88.6	85.3	81.8	78.0	74.0	69.8	65.3	60.6
-87.5°	26.8	26.3	25.8	25.3	24.7	24.0	23.3	22.6	21.8	21.0	20.1
-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: P645400 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA2E-740-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°	19.3	18.3	17.3	16.3	15.3	14.2	13.2	12.0	10.9	9.7	8.6
85°	55.7	50.6	45.3	39.9	34.2	28.5	26.3	24.1	21.8	19.5	17.1
82.5°	108.9	100.4	92.4	84.2	75.8	67.1	58.2	49.1	39.8	30.3	25.6
80°	184.7	169.9	154.5	138.6	122.2	105.6	93.7	81.6	69.2	56.6	43.8
77.5°	264.4	243.9	222.7	202.5	182.1	161.0	139.5	117.4	98.5	82.7	66.8
75°	346.9	322.5	297.1	270.8	243.8	216.3	190.4	164.0	137.1	109.8	89.5
72.5°	425.4	398.0	369.6	340.2	308.7	276.3	243.2	210.2	178.9	147.0	114.7
70°	508.7	473.2	439.5	406.0	371.6	336.0	298.1	259.5	220.2	183.8	147.0
67.5°	596.2	556.2	514.7	472.1	432.3	392.6	352.0	309.1	265.0	220.2	178.9
65°	709.6	651.1	592.2	544.8	496.1	448.1	403.1	357.3	309.1	259.5	210.2
62.5°	834.6	757.4	690.9	622.4	562.9	508.1	453.4	403.1	352.0	298.1	243.2
60°	974.8	885.7	793.8	715.0	638.4	568.9	508.1	448.1	392.6	336.0	276.3
57.5°	1135.6	1019.7	916.5	814.3	723.0	638.4	562.9	496.1	432.3	371.6	308.7
55°	1307.6	1173.2	1044.7	926.9	814.3	715.0	622.4	544.8	472.1	406.0	340.2
52.5°	1513.8	1340.5	1185.8	1044.7	916.5	793.8	690.9	592.2	514.7	439.5	369.6
50°	1732.1	1530.4	1340.5	1173.2	1019.7	885.7	757.4	651.1	556.2	473.2	398.0
47.5°	1960.7	1732.1	1513.8	1307.6	1135.6	974.8	834.6	709.6	596.2	508.7	425.4
45°	2188.3	1941.0	1693.2	1464.2	1247.8	1073.4	913.4	766.1	646.6	543.0	451.8
42.5°	2410.7	2147.2	1882.0	1615.8	1382.3	1172.9	989.2	832.6	695.3	575.8	479.1
40°	2617.0	2348.3	2065.4	1784.7	1516.6	1269.0	1074.5	898.4	741.9	610.5	506.5
37.5°	2814.7	2536.6	2245.3	1946.5	1650.3	1386.9	1157.6	961.1	789.6	649.8	532.5
35°	2983.8	2713.2	2417.0	2103.2	1792.4	1499.0	1236.6	1025.1	842.8	687.0	557.2
32.5°	3143.3	2875.1	2573.4	2253.9	1926.8	1605.0	1324.3	1092.4	893.0	722.0	580.5
30°	3283.1	3015.4	2720.3	2395.7	2054.4	1719.3	1414.8	1155.5	940.0	754.9	603.8
27.5°	3411.1	3146.9	2854.5	2524.1	2176.1	1827.1	1499.0	1214.2	983.7	788.4	630.3
25°	3527.2	3260.6	2967.5	2641.6	2288.8	1926.8	1576.9	1269.0	1029.3	823.9	654.8
22.5°	3626.4	3362.2	3071.3	2749.4	2392.1	2018.2	1653.7	1333.1	1073.4	856.4	677.1
20°	3716.7	3454.6	3165.5	2845.0	2483.2	2103.2	1728.4	1390.9	1113.3	885.7	697.1
17.5°	3796.6	3533.4	3242.9	2922.2	2562.9	2179.0	1794.9	1442.3	1148.7	911.7	715.0
15°	3862.1	3598.9	3309.6	2989.8	2632.6	2245.3	1853.0	1487.2	1179.6	934.3	730.5
12.5°	3918.2	3654.9	3366.5	3047.5	2692.0	2301.8	1902.5	1525.4	1205.8	953.6	743.7
10°	3964.6	3701.2	3413.5	3095.1	2741.0	2348.3	1943.2	1556.9	1227.5	969.5	754.6
7.5°	4001.0	3737.5	3450.3	3132.3	2779.4	2384.6	1975.0	1581.4	1244.3	981.8	763.1
5°	4027.2	3763.6	3476.7	3159.0	2806.8	2410.7	1997.8	1599.0	1256.4	990.7	769.1
2.5°	4042.9	3779.3	3492.6	3175.1	2823.4	2426.4	2011.5	1609.6	1263.7	996.0	772.8
0°	4048.2	3784.5	3497.9	3180.5	2828.9	2431.6	2016.1	1613.1	1266.1	997.8	774.0
-2.5°	4042.9	3779.3	3492.6	3175.1	2823.4	2426.4	2011.5	1609.6	1263.7	996.0	772.8
-5°	4027.2	3763.6	3476.7	3159.0	2806.8	2410.7	1997.8	1599.0	1256.4	990.7	769.1
-7.5°	4001.0	3737.5	3450.3	3132.3	2779.4	2384.6	1975.0	1581.4	1244.3	981.8	763.1
-10°	3964.6	3701.2	3413.5	3095.1	2741.0	2348.3	1943.2	1556.9	1227.5	969.5	754.6
-12.5°	3918.2	3654.9	3366.5	3047.5	2692.0	2301.8	1902.5	1525.4	1205.8	953.6	743.7
-15°	3862.1	3598.9	3309.6	2989.8	2632.6	2245.3	1853.0	1487.2	1179.6	934.3	730.5
-17.5°	3796.6	3533.4	3242.9	2922.2	2562.9	2179.0	1794.9	1442.3	1148.7	911.7	715.0
-20°	3716.7	3454.6	3165.5	2845.0	2483.2	2103.2	1728.4	1390.9	1113.3	885.7	697.1



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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°	3626.4	3362.2	3071.3	2749.4	2392.1	2018.2	1653.7	1333.1	1073.4	856.4	677.1
-25°	3527.2	3260.6	2967.5	2641.6	2288.8	1926.8	1576.9	1269.0	1029.3	823.9	654.8
-27.5°	3411.1	3146.9	2854.5	2524.1	2176.1	1827.1	1499.0	1214.2	983.7	788.4	630.3
-30°	3283.1	3015.4	2720.3	2395.7	2054.4	1719.3	1414.8	1155.5	940.0	754.9	603.8
-32.5°	3143.3	2875.1	2573.4	2253.9	1926.8	1605.0	1324.3	1092.4	893.0	722.0	580.5
-35°	2983.8	2713.2	2417.0	2103.2	1792.4	1499.0	1236.6	1025.1	842.8	687.0	557.2
-37.5°	2814.7	2536.6	2245.3	1946.5	1650.3	1386.9	1157.6	961.1	789.6	649.8	532.5
-40°	2617.0	2348.3	2065.4	1784.7	1516.6	1269.0	1074.5	898.4	741.9	610.5	506.5
-42.5°	2410.7	2147.2	1882.0	1615.8	1382.3	1172.9	989.2	832.6	695.3	575.8	479.1
-45°	2188.3	1941.0	1693.2	1464.2	1247.8	1073.4	913.4	766.1	646.6	543.0	451.8
-47.5°	1960.7	1732.1	1513.8	1307.6	1135.6	974.8	834.6	709.6	596.2	508.7	425.4
-50°	1732.1	1530.4	1340.5	1173.2	1019.7	885.7	757.4	651.1	556.2	473.2	398.0
-52.5°	1513.8	1340.5	1185.8	1044.7	916.5	793.8	690.9	592.2	514.7	439.5	369.6
-55°	1307.6	1173.2	1044.7	926.9	814.3	715.0	622.4	544.8	472.1	406.0	340.2
-57.5°	1135.6	1019.7	916.5	814.3	723.0	638.4	562.9	496.1	432.3	371.6	308.7
-60°	974.8	885.7	793.8	715.0	638.4	568.9	508.1	448.1	392.6	336.0	276.3
-62.5°	834.6	757.4	690.9	622.4	562.9	508.1	453.4	403.1	352.0	298.1	243.2
-65°	709.6	651.1	592.2	544.8	496.1	448.1	403.1	357.3	309.1	259.5	210.2
-67.5°	596.2	556.2	514.7	472.1	432.3	392.6	352.0	309.1	265.0	220.2	178.9
-70°	508.7	473.2	439.5	406.0	371.6	336.0	298.1	259.5	220.2	183.8	147.0
-72.5°	425.4	398.0	369.6	340.2	308.7	276.3	243.2	210.2	178.9	147.0	114.7
-75°	346.9	322.5	297.1	270.8	243.8	216.3	190.4	164.0	137.1	109.8	89.5
-77.5°	264.4	243.9	222.7	202.5	182.1	161.0	139.5	117.4	98.5	82.7	66.8
-80°	184.7	169.9	154.5	138.6	122.2	105.6	93.7	81.6	69.2	56.6	43.8
-82.5°	108.9	100.4	92.4	84.2	75.8	67.1	58.2	49.1	39.8	30.3	25.6
-85°	55.7	50.6	45.3	39.9	34.2	28.5	26.3	24.1	21.8	19.5	17.1
-87.5°	19.3	18.3	17.3	16.3	15.3	14.2	13.2	12.0	10.9	9.7	8.6
-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°	7.4	6.2	4.9	3.7	2.5	1.2	0.0
85°	14.7	12.3	9.9	7.4	5.0	2.5	0.0
82.5°	22.1	18.5	14.8	11.1	7.4	3.7	0.0
80°	30.9	24.6	19.7	14.8	9.9	4.9	0.0
77.5°	50.6	34.3	24.6	18.5	12.3	6.2	0.0
75°	70.2	50.6	30.9	22.1	14.7	7.4	0.0
72.5°	89.5	66.8	43.8	25.6	17.1	8.6	0.0
70°	109.8	82.7	56.6	30.3	19.5	9.7	0.0
67.5°	137.1	98.5	69.2	39.8	21.8	10.9	0.0
65°	164.0	117.4	81.6	49.1	24.1	12.0	0.0
62.5°	190.4	139.5	93.7	58.2	26.3	13.2	0.0
60°	216.3	161.0	105.6	67.1	28.5	14.2	0.0
57.5°	243.8	182.1	122.2	75.8	34.2	15.3	0.0
55°	270.8	202.5	138.6	84.2	39.9	16.3	0.0
52.5°	297.1	222.7	154.5	92.4	45.3	17.3	0.0
50°	322.5	243.9	169.9	100.4	50.6	18.3	0.0
47.5°	346.9	264.4	184.7	108.9	55.7	19.3	0.0
45°	369.5	284.1	199.0	119.6	60.6	20.1	0.0
42.5°	391.2	302.9	212.7	129.8	65.3	21.0	0.0
40°	411.8	320.9	226.4	139.6	69.8	21.8	0.0
37.5°	431.5	338.0	240.0	148.9	74.0	22.6	0.0
35°	450.1	353.7	252.9	157.6	78.0	23.3	0.0
32.5°	468.2	368.2	265.1	165.9	81.8	24.0	0.0
30°	486.8	381.8	276.4	173.6	85.3	24.7	0.0
27.5°	504.0	394.4	286.9	180.7	88.6	25.3	0.0
25°	519.9	406.0	296.6	187.3	91.6	25.8	0.0
22.5°	534.3	416.5	305.4	193.3	94.3	26.3	0.0
20°	547.3	426.1	313.3	198.6	96.8	26.8	0.0
17.5°	558.9	434.5	320.3	203.4	99.0	27.2	0.0
15°	568.9	441.8	326.5	207.6	100.9	27.5	0.0
12.5°	577.5	448.1	331.7	211.1	102.5	27.8	0.0
10°	584.5	453.2	336.0	214.0	103.8	28.1	0.0
7.5°	590.0	457.2	339.3	216.3	104.9	28.3	0.0
5°	594.0	460.1	341.7	217.9	105.6	28.4	0.0
2.5°	596.3	461.8	343.1	218.9	106.1	28.5	0.0
0°	597.1	462.4	343.6	219.2	106.2	28.5	0.0
-2.5°	596.3	461.8	343.1	218.9	106.1	28.5	0.0
-5°	594.0	460.1	341.7	217.9	105.6	28.4	0.0
-7.5°	590.0	457.2	339.3	216.3	104.9	28.3	0.0
-10°	584.5	453.2	336.0	214.0	103.8	28.1	0.0
-12.5°	577.5	448.1	331.7	211.1	102.5	27.8	0.0
-15°	568.9	441.8	326.5	207.6	100.9	27.5	0.0
-17.5°	558.9	434.5	320.3	203.4	99.0	27.2	0.0
-20°	547.3	426.1	313.3	198.6	96.8	26.8	0.0

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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	534.3	416.5	305.4	193.3	94.3	26.3	0.0
-25°	519.9	406.0	296.6	187.3	91.6	25.8	0.0
-27.5°	504.0	394.4	286.9	180.7	88.6	25.3	0.0
-30°	486.8	381.8	276.4	173.6	85.3	24.7	0.0
-32.5°	468.2	368.2	265.1	165.9	81.8	24.0	0.0
-35°	450.1	353.7	252.9	157.6	78.0	23.3	0.0
-37.5°	431.5	338.0	240.0	148.9	74.0	22.6	0.0
-40°	411.8	320.9	226.4	139.6	69.8	21.8	0.0
-42.5°	391.2	302.9	212.7	129.8	65.3	21.0	0.0
-45°	369.5	284.1	199.0	119.6	60.6	20.1	0.0
-47.5°	346.9	264.4	184.7	108.9	55.7	19.3	0.0
-50°	322.5	243.9	169.9	100.4	50.6	18.3	0.0
-52.5°	297.1	222.7	154.5	92.4	45.3	17.3	0.0
-55°	270.8	202.5	138.6	84.2	39.9	16.3	0.0
-57.5°	243.8	182.1	122.2	75.8	34.2	15.3	0.0
-60°	216.3	161.0	105.6	67.1	28.5	14.2	0.0
-62.5°	190.4	139.5	93.7	58.2	26.3	13.2	0.0
-65°	164.0	117.4	81.6	49.1	24.1	12.0	0.0
-67.5°	137.1	98.5	69.2	39.8	21.8	10.9	0.0
-70°	109.8	82.7	56.6	30.3	19.5	9.7	0.0
-72.5°	89.5	66.8	43.8	25.6	17.1	8.6	0.0
-75°	70.2	50.6	30.9	22.1	14.7	7.4	0.0
-77.5°	50.6	34.3	24.6	18.5	12.3	6.2	0.0
-80°	30.9	24.6	19.7	14.8	9.9	4.9	0.0
-82.5°	22.1	18.5	14.8	11.1	7.4	3.7	0.0
-85°	14.7	12.3	9.9	7.4	5.0	2.5	0.0
-87.5°	7.4	6.2	4.9	3.7	2.5	1.2	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)